Lead in Drinking Water – Public and Nonpublic Schools

IMPORTANT NOTICE: ELEVATED WATER SAMPLE RESULT(S)
Studio 39

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 September 21, 2018**, twenty-nine (29)** lead water samples were collected from **Studio 39**. Of these lead water samples, two (2) had levels of lead exceeding the action level of 20 parts per billion (ppb) for lead in drinking water in school buildings. The elevated lead result from the sample(s) collected at Studio 39 were as follows:

Sample Number 000011-107 Men's Dressing Room-Bathroom Hand Sink: 26.5 ppb (non-consumable).
Sample Number 000017-206-Bathroom Hand Sink: 28.7 ppb (non-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 work place 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. Two (2) non-consumable water sources consisting of hand sinks will be retested and posted with green signage indicating “Hand Washing Only”.

NEXT STEPS

1. Two (2) non-consumable water sources will be replaced and retested 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

Monday, October 8, 2018

Certificate of Analysis
FINAL

Report for Lab No: 40039.
Studio 39 (4703)
Sampling by regulation to Maryland House Bill 270 - Lead in Drinking Water
P.O. Number: PO 9212
Sampling by Martel personnel on September 21, 2018.

MARTEL NO.		CLIENT SAMPLE IDENTIFICATION	Sample Date/Time
40039	000001	Hall Fountain (across from room 101A) Drinking Fountain (DF)	09/21/2018 06:30

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	09/29/2018 20:24 BJ

MARTEL NO.		CLIENT SAMPLE IDENTIFICATION	Sample Date/Time
40039	000002	Kitchen Tri-sink Sink-Left [KS--C]	09/21/2018 06:30

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	09/29/2018 20:32 BJ

MARTEL NO.		CLIENT SAMPLE IDENTIFICATION	Sample Date/Time
40039	000003	Kitchen Tri-sink Sink-Right [KS--C]	09/21/2018 06:30

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	4.60	ug/l	EPA .200.8	2	09/29/2018 20:35 BJ

MARTEL NO.		CLIENT SAMPLE IDENTIFICATION	Sample Date/Time
40039	000004	Boys Bathroom (By Front Door) Handsink-Left [BS--NC]	09/21/2018 06:30

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	09/29/2018 20:37 BJ

MARTEL NO.		CLIENT SAMPLE IDENTIFICATION	Sample Date/Time
40039	000005	Boys Bathroom (By Front Door) Handsink-Center [BS--NC]	09/21/2018 06:30

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	09/29/2018 20:40 BJ

MARTEL NO.		CLIENT SAMPLE IDENTIFICATION	Sample Date/Time
40039	000006	Boys Bathroom (By Front Door) Handsink-Right [BS--NC]	09/21/2018 06:30

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

MARTEL NO.		CLIENT SAMPLE IDENTIFICATION	Sample Date/Time
40039	000006	Boys Bathroom (By Front Door) Handsink-Right [BS--NC]	09/21/2018 06:30

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	09/29/2018 20:42 BJ

MARTEL NO.		CLIENT SAMPLE IDENTIFICATION	Sample Date/Time
40039	000007	Shop Room-Sink Handsink (HS) [CR--NC]	09/21/2018 06:30

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	4.45	ug/l	EPA .200.8	2	09/29/2018 20:45 BJ

MARTEL NO.		CLIENT SAMPLE IDENTIFICATION	Sample Date/Time
40039	000008	Girls Bathroom (by room 104 Gallary) HS-Left [BS--NC]	09/21/2018 06:30

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	10/01/2018 20:32 BJ

MARTEL NO.		CLIENT SAMPLE IDENTIFICATION	Sample Date/Time
40039	000009	Girls Bathroom (by room 104 Gallary) HS-Center [BS--NC]	09/21/2018 06:30

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	09/29/2018 20:50 BJ

MARTEL NO.		CLIENT SAMPLE IDENTIFICATION	Sample Date/Time
40039	000010	Girls Bathroom (by room 104 Gallary) HS-Right [BS--NC]	09/21/2018 06:30

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	09/29/2018 20:52 BJ

MARTEL NO.		CLIENT SAMPLE IDENTIFICATION	Sample Date/Time
40039	000011	107 Men's Dressing Room- Bathroom HS [BS--NC]	09/21/2018 06:30

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	26.5	ug/l*	EPA .200.8	2	09/29/2018 21:02 BJ

MARTEL NO.		CLIENT SAMPLE IDENTIFICATION	Sample Date/Time
40039	000012	106 Women's Dressing Room- Bathroom HS [BS--NC]	09/21/2018 06:30

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	17.5	ug/l	EPA .200.8	2	09/29/2018 21:08 BJ

MARTEL NO.		CLIENT SAMPLE IDENTIFICATION	Sample Date/Time
40039	000013	Hall Fountain (across from room 107) DF [DF--C]	09/21/2018 06:30

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

MARTEL NO. 40039 000014 — CLIENT SAMPLE IDENTIFICATION: 209 HS [CR--NC] — Sample Date/Time: 09/21/2018 06:30

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	3.92	ug/l	EPA .200.8	2	09/29/2018 21:10 BJ

MARTEL NO. 40039 000015 — CLIENT SAMPLE IDENTIFICATION: Hall Fountain (across from room 107) DF [DF--C] — Sample Date/Time: 09/21/2018 06:30

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	09/29/2018 21:13 BJ

MARTEL NO. 40039 000016 — CLIENT SAMPLE IDENTIFICATION: 207 HS [CR--NC] — Sample Date/Time: 09/21/2018 06:30

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	09/29/2018 21:15 BJ

MARTEL NO. 40039 000017 — CLIENT SAMPLE IDENTIFICATION: 206- Bathroom HS [BS--NC] — Sample Date/Time: 09/21/2018 06:30

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	28.7	ug/l*	EPA .200.8	2	09/29/2018 21:18 BJ

MARTEL NO. 40039 000018 — CLIENT SAMPLE IDENTIFICATION: Women's bathroom-Upstairs (next to room 205) HS-Left [BS-- — Sample Date/Time: 09/21/2018 06:30

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	09/29/2018 21:20 BJ

MARTEL NO. 40039 000019 — CLIENT SAMPLE IDENTIFICATION: Women's bathroom-Upstairs (next to room 205) HS-Center — Sample Date/Time: 09/21/2018 06:30

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	09/29/2018 21:23 BJ

MARTEL NO. 40039 000020 — CLIENT SAMPLE IDENTIFICATION: Women's bathroom-Upstairs (next to room 205) HS-Right [BS- — Sample Date/Time: 09/21/2018 06:30

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	09/29/2018 21:25 BJ

MARTEL NO. 40039 000021 — CLIENT SAMPLE IDENTIFICATION: 205 HS [CR--NC] — Sample Date/Time: 09/21/2018 06:30

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	09/29/2018 21:33 BJ

MARTEL NO.		CLIENT SAMPLE IDENTIFICATION	Sample Date/Time
40039	000022	205-Bathroom HS [BS--NC]	09/21/2018 06:30

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	09/29/2018 21:41 BJ

MARTEL NO.		CLIENT SAMPLE IDENTIFICATION	Sample Date/Time
40039	000023	204 HS [CR--NC]	09/21/2018 06:30

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	09/29/2018 21:43 BJ

MARTEL NO.		CLIENT SAMPLE IDENTIFICATION	Sample Date/Time
40039	000024	203 HS [CR--NC]	09/21/2018 06:30

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	09/29/2018 21:46 BJ

MARTEL NO.		CLIENT SAMPLE IDENTIFICATION	Sample Date/Time
40039	000025	Men's Upstairs Bathroom HS-Left [BS--NC]	09/21/2018 06:30

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	09/29/2018 21:49 BJ

MARTEL NO.		CLIENT SAMPLE IDENTIFICATION	Sample Date/Time
40039	000026	Men's Upstairs Bathroom HS-Center [BS--NC]	09/21/2018 06:30

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	09/29/2018 21:51 BJ

MARTEL NO.		CLIENT SAMPLE IDENTIFICATION	Sample Date/Time
40039	000027	Men's Upstairs Bathroom HS-Right [BS--NC]	09/21/2018 06:30

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	09/29/2018 21:54 BJ

MARTEL NO.		CLIENT SAMPLE IDENTIFICATION	Sample Date/Time
40039	000028	Hall Fountain (across from room 201) DF [DF--C]	09/21/2018 06:30

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	09/29/2018 21:56 BJ

MARTEL NO.		CLIENT SAMPLE IDENTIFICATION	Sample Date/Time
40039	000029	201 HS [CR--NC]	09/21/2018 06:30

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	09/29/2018 21:59 BJ

MARTEL NO.	CLIENT SAMPLE IDENTIFICATION	Sample Date/Time
40039 000030	202 HS [CR--NC]	09/21/2018 06:30

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	09/29/2018 22:01 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

Sample Date/Start Time: 6:45A End time: 7:15

Bottle Type/Preservative: 250 ml plastic/HNO3 Analysis: Lead (EPA 200.8) Samples preserved properly (Yes) or No NOTES:

Sampled/Reliquished by: [signature] Received at Martel by: [signature] Date/Time: 9-21-18 1200

Studio 39 (4703) Martel No. 40039

291 Locust Ave, Annapolis, MD 21401

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

Sample #	Room #	Fixture Type (Sink, Bubbler, Water Fountain, Gooseneck, Ice Machine, etc.)	Key	Con sum
1	Hall Fountain (across from room 101A)	Drinking Fountain (DF)	DF	C
2	Kitchen Tri-sink	Sink-Left	KS	C
3	Kitchen Tri-sink	Sink-Right	KS	C
4	Boys Bathroom (By Front Door)	Handsink-Left	BS	NC
5	Boys Bathroom (By Front Door)	Handsink-Center	BS	NC
6	Boys Bathroom (By Front Door)	Handsink-Right	BS	NC
7	Shop Room-Sink	Handsink (HS)	CR	NC
8	Girls Bathroom (by room 104 Gallary)	HS-Left	BS	NC
9	Girls Bathroom (by room 104 Gallary)	HS-Center	BS	NC
10	Girls Bathroom (by room 104 Gallary)	HS-Right	BS	NC
11	107 Men's Dressing Room- Bathroom	HS	BS	NC
12	106 Women's Dressing Room- Bathroom	HS	BS	NC
~~13~~	~~Hall Fountain (across from room 107)~~	~~DF~~ NW	DF	C
14	209	HS	CR	NC
15	Hall Fountain (across from room 207)	DF	DF	C
16	207	HS	CR	NC
17	206- Bathroom	HS	BS	NC
18	Women's bathroom-Upstairs (next to room 205)	HS-Left	BS	NC
19	Women's bathroom-Upstairs (next to room 205)	HS-Center	BS	NC
20	Women's bathroom-Upstairs (next to room 205)	HS-Right	BS	NC
21	205	HS	CR	NC
22	205-Bathroom	HS	BS	NC
23	204	HS	CR	NC
24	203	HS	CR	NC
25	Men's Upstairs Bathroom	HS-Left	BS	NC
26	Men's Upstairs Bathroom	HS-Center	BS	NC
27	Men's Upstairs Bathroom	HS-Right	BS	NC

Studio 39 (4703) Martel No. 40039

291 Locust Ave, Annapolis, MD 21401

28	Hall Fountain (across from room 201)	DF	DF	C
29	201	HS	CR	NC
30	202	HS	CR	NC