

Lead in Drinking Water – Public and Nonpublic Schools

IMPORTANT NOTICE: ELEVATED WATER SAMPLE RESULT(S) **Hilltop 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 6, 2018, **ninety-eight (98)** lead water samples were collected from **Hilltop Elementary School**. Of these lead water samples, thirteen (**13**) 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 results from the sample(s) collected at Hilltop Elementary School were as follows:

Sample No.000004-77.7 ppb: Boys Restroom-Main Hall Hand Sink (non-consumable).
Sample No.000005-673 ppb: Girls Restroom-Main Hall Hand Sink (non-consumable).
Sample No. 000014-31.0 ppb: Room 23 Hand Sink (non-consumable).
Sample No. 000063-318 ppb: Boys Restroom (left next to Room 7) Hand Sink (non-consumable).
Sample No. 000070-24.3 ppb: Girls Restroom (right next to Room 4) Hand Sink (non-consumable).
Sample No. 000071-121 ppb: Girls Restroom (middle next to Room 4) Hand Sink (non-consumable).
Sample No. 000076-129 ppb: Room 104 Bubbler (left) (consumable).
Sample No. 000078-33.5 ppb: Room 104 Bubbler (right) (consumable).
Sample No. 000086-65.3 ppb: Room 102B Restroom Hand Sink (non-consumable).
Sample No.000089-83.4 ppb: Room 102A Restroom Hand Sink (non-consumable).
Sample No. 000090-110 ppb: Room102A Water Fountain Bubbler (consumable).
Sample No.000100-78.0 ppb: Gym Boys Restroom Hand Sink (non-consumable).
Sample No.000101-32.3 ppb: Gym Girls Restroom Hand Sink (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. The bubblers will be shut down and posted with signage indicating “Do Not Use For Drinking”.
2. The bathroom hand sinks will not be used for drinking and are posted with a green sign indicating “Hand Washing Only”.
3. The outside hose bibbs are shut off with keyed access only and posted with red signage indicating “Do Not Use for Drinking”.

NEXT STEPS

1. The bubblers plumbing fixtures will be replaced.
2. The bathroom hand sink plumbing fixtures will be replaced.
3. The outside hose bibbs will not be used for drinking water consumption and are shut off with keyed access only and posted with permanent red signage.

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.



AACPS - Operations Division
9034 Ft. Smallwood Road

Monday, May 21, 2018

Pasadena, CA 21222

Certificate of Analysis
FINAL

Attention: Chris Williams

Report for Lab No: 40008.

Hilltop ES (1142) Report for Lab No. 40008

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

P.O. Number: PO 9212

Sampling by Martel personnel on April 6, 2018, Patrick Shannon.

MARTEL NO.	CLIENT SAMPLE IDENTIFICATION						Sample Date/Time
40008	000001	Main office restroom Hand Sink (HS) [BS--NC]					04/06/2018 05:00
Compound		Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial	
Lead		<2	ug/l	EPA 200.8	2	05/18/2018 11:57 CSG	
MARTEL NO.	CLIENT SAMPLE IDENTIFICATION						Sample Date/Time
40008	000002	Teacher's lounge Gooseneck (GN) [TL--NC]					04/06/2018 05:00
Compound		Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial	
Lead		<2	ug/l	EPA 200.8	2	05/18/2018 12:09 CSG	
MARTEL NO.	CLIENT SAMPLE IDENTIFICATION						Sample Date/Time
40008	000003	Office workroom HS [OT--NC]					04/06/2018 05:00
Compound		Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial	
Lead		2.08	ug/l	EPA 200.8	2	05/18/2018 12:12 CSG	
MARTEL NO.	CLIENT SAMPLE IDENTIFICATION						Sample Date/Time
40008	000004	Boys Restroom- Main Hall HS [BS--NC]					04/06/2018 05:00
Compound		Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial	
Lead		77.7	ug/l*	EPA 200.8	2	05/18/2018 12:14 CSG	
MARTEL NO.	CLIENT SAMPLE IDENTIFICATION						Sample Date/Time
40008	000005	Girls Restroom- Main Hall HS [BS--NC]					04/06/2018 05:00
Compound		Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial	
Lead		673	ug/l*	EPA 200.8	2	05/18/2018 18:21 CSG	
MARTEL NO.	CLIENT SAMPLE IDENTIFICATION						Sample Date/Time
40008	000006	Custodial room- Main Hall Hose bibb [OT--NC]					04/06/2018 05:00
Compound		Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial	



MARTEL NO. 40008 CLIENT SAMPLE IDENTIFICATION Sample Date/Time
 000006 Custodial room- Main Hall Hose bibb [OT--NC] 04/06/2018 05:00

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	3.00	ug/l	EPA 200.8	2	05/18/2018 12:19 CSG

MARTEL NO. 40008 CLIENT SAMPLE IDENTIFICATION Sample Date/Time
 000007 Main hall restroom HS [BS--NC] 04/06/2018 05:00

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA 200.8	2	05/18/2018 12:22 CSG

MARTEL NO. 40008 CLIENT SAMPLE IDENTIFICATION Sample Date/Time
 000008 Room 103 Health Room HS [NO--NC] 04/06/2018 05:00

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA 200.8	2	05/18/2018 12:24 CSG

MARTEL NO. 40008 CLIENT SAMPLE IDENTIFICATION Sample Date/Time
 000009 Room 103 Health Room GN [NO--NC] 04/06/2018 05:00

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA 200.8	2	05/18/2018 12:26 CSG

MARTEL NO. 40008 CLIENT SAMPLE IDENTIFICATION Sample Date/Time
 000010 Room 105 (see map) GN (TOP) [CR--NC] 04/06/2018 05:00

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	5.21	ug/l	EPA 200.8	2	05/18/2018 12:29 CSG

MARTEL NO. 40008 CLIENT SAMPLE IDENTIFICATION Sample Date/Time
 000011 Room 105 (see map) GN (LEFT) [CR--NC] 04/06/2018 05:00

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA 200.8	2	05/18/2018 12:39 CSG

MARTEL NO. 40008 CLIENT SAMPLE IDENTIFICATION Sample Date/Time
 000012 Room 105 (see map) GN (BOTTOM) [CR--C] 04/06/2018 05:00

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	2.43	ug/l	EPA 200.8	2	05/18/2018 12:44 CSG

MARTEL NO. 40008 CLIENT SAMPLE IDENTIFICATION Sample Date/Time
 000013 Room 105 (see map) GN (RIGHT) [CR--NC] 04/06/2018 05:00

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA 200.8	2	05/18/2018 12:47 CSG



MARTEL NO. 40008 000014 Room 23 HS [CR--C] CLIENT SAMPLE IDENTIFICATION Sample Date/Time 04/06/2018 05:00

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	31.0	ug/l*	EPA 200.8	2	05/18/2018 12:49 CSG

MARTEL NO. 40008 000015 Room 23 (right) Bubbler [DF--C] CLIENT SAMPLE IDENTIFICATION Sample Date/Time 04/06/2018 05:00

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	3.77	ug/l	EPA 200.8	2	05/18/2018 12:52 CSG

MARTEL NO. 40008 000016 Room 23 (left) Bubbler [DF--NC] CLIENT SAMPLE IDENTIFICATION Sample Date/Time 04/06/2018 05:00

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	3.38	ug/l	EPA 200.8	2	05/18/2018 12:54 CSG

MARTEL NO. 40008 000017 Boys Restroom (nxt to Room 23) HS (right) [BS--NC] CLIENT SAMPLE IDENTIFICATION Sample Date/Time 04/06/2018 05:00

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	2.64	ug/l	EPA 200.8	2	05/18/2018 12:57 CSG

MARTEL NO. 40008 000018 Boys Restroom (nxt to Room 23) HS (center) [BS--NC] CLIENT SAMPLE IDENTIFICATION Sample Date/Time 04/06/2018 05:00

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA 200.8	2	05/18/2018 12:59 CSG

MARTEL NO. 40008 000019 Boys Restroom (nxt to Room 23) HS (left) [BS--C] CLIENT SAMPLE IDENTIFICATION Sample Date/Time 04/06/2018 05:00

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	2.57	ug/l	EPA 200.8	2	05/18/2018 13:02 CSG

MARTEL NO. 40008 000020 Room 20 (right) HS [CR--NC] CLIENT SAMPLE IDENTIFICATION Sample Date/Time 04/06/2018 05:00

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA 200.8	2	05/18/2018 13:04 CSG

MARTEL NO. 40008 000021 Room 20 (left) Bubbler [DF--NC] CLIENT SAMPLE IDENTIFICATION Sample Date/Time 04/06/2018 05:00

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA 200.8	2	05/18/2018 13:12 CSG



MARTEL NO. 40008 000022 CLIENT SAMPLE IDENTIFICATION: Girls Restroom (right, nxt to Room 20) HS [BS--C] Sample Date/Time: 04/06/2018 05:00

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	2.42	ug/l	EPA 200.8	2	05/18/2018 13:20 CSG

MARTEL NO. 40008 000023 CLIENT SAMPLE IDENTIFICATION: Girls Restroom (middle, nxt to Room 20) HS [BS--NC] Sample Date/Time: 04/06/2018 05:00

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	2.38	ug/l	EPA 200.8	2	05/18/2018 13:22 CSG

MARTEL NO. 40008 000024 CLIENT SAMPLE IDENTIFICATION: Girls Restroom (left, nxt to Room 20) HS [BS--C] Sample Date/Time: 04/06/2018 05:00

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	2.52	ug/l	EPA 200.8	2	05/18/2018 13:25 CSG

MARTEL NO. 40008 000025 CLIENT SAMPLE IDENTIFICATION: Custodial closet (nxt to Room 20) Hose bibb [OT--C] Sample Date/Time: 04/06/2018 05:00

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	3.13	ug/l	EPA 200.8	2	05/18/2018 13:27 CSG

MARTEL NO. 40008 000026 CLIENT SAMPLE IDENTIFICATION: Restroom (across from Room 23) HS [BS--C] Sample Date/Time: 04/06/2018 05:00

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA 200.8	2	05/18/2018 13:30 CSG

MARTEL NO. 40008 000027 CLIENT SAMPLE IDENTIFICATION: Hallway (across from Room 23) Bubbler [DF--C] Sample Date/Time: 04/06/2018 05:00

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA 200.8	2	05/18/2018 13:32 CSG

MARTEL NO. 40008 000028 CLIENT SAMPLE IDENTIFICATION: Room 15 (right) Bubbler [DF--NC] Sample Date/Time: 04/06/2018 05:00

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA 200.8	2	05/18/2018 13:35 CSG

MARTEL NO. 40008 000029 CLIENT SAMPLE IDENTIFICATION: Room 15 (left) Bubbler [DF--NC] Sample Date/Time: 04/06/2018 05:00

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	5.85	ug/l	EPA 200.8	2	05/18/2018 13:37 CSG



MARTEL NO. 40008 CLIENT SAMPLE IDENTIFICATION Room 15 HS [CR--C] Sample Date/Time 04/06/2018 05:00

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	2.76	ug/l	EPA 200.8	2	05/18/2018 13:39 CSG

MARTEL NO. 40008 CLIENT SAMPLE IDENTIFICATION Boys Restroom (right, nxt to Room 15) HS [BS--C] Sample Date/Time 04/06/2018 05:00

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

MARTEL NO. 40008 CLIENT SAMPLE IDENTIFICATION Boys Restroom (middle, nxt to Room 15) HS [BS--NC] Sample Date/Time 04/06/2018 05:00

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA 200.8	2	05/18/2018 13:49 CSG

MARTEL NO. 40008 CLIENT SAMPLE IDENTIFICATION Boys Restroom (left, nxt to Room 15) HS [BS--NC] Sample Date/Time 04/06/2018 05:00

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	5.02	ug/l	EPA 200.8	2	05/18/2018 13:54 CSG

MARTEL NO. 40008 CLIENT SAMPLE IDENTIFICATION Room 12 HS [CR--NC] Sample Date/Time 04/06/2018 05:00

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	3.31	ug/l	EPA 200.8	2	05/18/2018 13:57 CSG

MARTEL NO. 40008 CLIENT SAMPLE IDENTIFICATION Room 12 (left) Bubbler [DF--NC] Sample Date/Time 04/06/2018 05:00

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	4.96	ug/l	EPA 200.8	2	05/18/2018 13:59 CSG

MARTEL NO. 40008 CLIENT SAMPLE IDENTIFICATION Room 12 (right) Bubbler [DF--NC] Sample Date/Time 04/06/2018 05:00

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	6.70	ug/l	EPA 200.8	2	05/18/2018 14:02 CSG

MARTEL NO. 40008 CLIENT SAMPLE IDENTIFICATION Girls Bathroom (right, nxt to Room 12) HS [BS--NC] Sample Date/Time 04/06/2018 05:00

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	10.3	ug/l	EPA 200.8	2	05/18/2018 14:04 CSG



MARTEL NO.	CLIENT SAMPLE IDENTIFICATION					Sample Date/Time
40008	000038	Girls Bathroom (middle, nxt to Room 12) HS [BS--NC]				04/06/2018 05:00
Compound		Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead		<2	ug/l	EPA 200.8	2	05/18/2018 14:07 CSG

MARTEL NO.	CLIENT SAMPLE IDENTIFICATION					Sample Date/Time
40008	000039	Girls Bathroom (left, nxt to Room 12) HS [BS--C]				04/06/2018 05:00
Compound		Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead		<2	ug/l	EPA 200.8	2	05/18/2018 14:09 CSG

MARTEL NO.	CLIENT SAMPLE IDENTIFICATION					Sample Date/Time
40008	000040	Custodial closet (nxt to Room 12) Hose bibb [OT--NC]				04/06/2018 05:00
Compound		Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead		10.2	ug/l	EPA 200.8	2	05/18/2018 14:12 CSG

MARTEL NO.	CLIENT SAMPLE IDENTIFICATION					Sample Date/Time
40008	000041	Hallway (nxt to Room 12) Bubbler [DF--NC]				04/06/2018 05:00
Compound		Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead		<2	ug/l	EPA 200.8	2	05/18/2018 14:19 CSG

MARTEL NO.	CLIENT SAMPLE IDENTIFICATION					Sample Date/Time
40008	000042	Adult Restroom (across from Room 15) HS [BS--C]				04/06/2018 05:00
Compound		Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead		<2	ug/l	EPA 200.8	2	05/18/2018 14:27 CSG

MARTEL NO.	CLIENT SAMPLE IDENTIFICATION					Sample Date/Time
40008	000043	Room 34 Bubbler [DF--NC]				04/06/2018 05:00
Compound		Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead		<2	ug/l	EPA 200.8	2	05/18/2018 14:29 CSG

MARTEL NO.	CLIENT SAMPLE IDENTIFICATION					Sample Date/Time
40008	000044	Room 34 GN [CR--NC]				04/06/2018 05:00
Compound		Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead		<2	ug/l	EPA 200.8	2	05/18/2018 14:32 CSG

MARTEL NO.	CLIENT SAMPLE IDENTIFICATION					Sample Date/Time
40008	000045	Room 34 Restroom HS [BS--C]				04/06/2018 05:00
Compound		Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead		<2	ug/l	EPA 200.8	2	05/18/2018 14:34 CSG



MARTEL NO. 40008 000046 CLIENT SAMPLE IDENTIFICATION Room 33 Restroom HS [BS--NC] Sample Date/Time 04/06/2018 05:00

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA 200.8	2	05/18/2018 14:37 CSG

MARTEL NO. 40008 000047 CLIENT SAMPLE IDENTIFICATION Room 33 Bubblers [DF--NC] Sample Date/Time 04/06/2018 05:00

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA 200.8	2	05/18/2018 14:39 CSG

MARTEL NO. 40008 000048 CLIENT SAMPLE IDENTIFICATION Room 33 GN [CR--C] Sample Date/Time 04/06/2018 05:00

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA 200.8	2	05/18/2018 14:42 CSG

MARTEL NO. 40008 000049 CLIENT SAMPLE IDENTIFICATION Room 32 Restroom HS [BS--NC] Sample Date/Time 04/06/2018 05:00

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA 200.8	2	05/18/2018 14:44 CSG

MARTEL NO. 40008 000050 CLIENT SAMPLE IDENTIFICATION Room 32 Bubblers [DF--NC] Sample Date/Time 04/06/2018 05:00

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA 200.8	2	05/18/2018 14:47 CSG

MARTEL NO. 40008 000051 CLIENT SAMPLE IDENTIFICATION Room 32 GN [CR--C] Sample Date/Time 04/06/2018 05:00

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA 200.8	2	05/18/2018 14:57 CSG

MARTEL NO. 40008 000052 CLIENT SAMPLE IDENTIFICATION Room 31 Bubblers [DF--NC] Sample Date/Time 04/06/2018 05:00

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA 200.8	2	05/18/2018 15:02 CSG

MARTEL NO. 40008 000053 CLIENT SAMPLE IDENTIFICATION Room 31 GN [CR--NC] Sample Date/Time 04/06/2018 05:00

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA 200.8	2	05/18/2018 15:04 CSG



MARTEL NO.	CLIENT SAMPLE IDENTIFICATION				Sample Date/Time
40008	000054	Room 31 Restroom HS [BS--C]		04/06/2018 05:00	
Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA 200.8	2	05/18/2018 15:07 CSG

MARTEL NO.	CLIENT SAMPLE IDENTIFICATION				Sample Date/Time
40008	000055	Room 30 Restroom HS [BS--NC]		04/06/2018 05:00	
Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA 200.8	2	05/18/2018 15:09 CSG

MARTEL NO.	CLIENT SAMPLE IDENTIFICATION				Sample Date/Time
40008	000056	Room 30 Bubbler [DF--NC]		04/06/2018 05:00	
Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA 200.8	2	05/18/2018 15:12 CSG

MARTEL NO.	CLIENT SAMPLE IDENTIFICATION				Sample Date/Time
40008	000057	Room 30 GN [CR--C]		04/06/2018 05:00	
Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA 200.8	2	05/18/2018 15:14 CSG

MARTEL NO.	CLIENT SAMPLE IDENTIFICATION				Sample Date/Time
40008	000058	Room 7 (right) Bubbler [DF--NC]		04/06/2018 05:00	
Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	3.48	ug/l	EPA 200.8	2	05/18/2018 15:17 CSG

MARTEL NO.	CLIENT SAMPLE IDENTIFICATION				Sample Date/Time
40008	000059	Room 7 (left) Bubbler [DF--NC]		04/06/2018 05:00	
Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	non	operational	EPA 200.8	2	//

MARTEL NO.	CLIENT SAMPLE IDENTIFICATION				Sample Date/Time
40008	000060	Room 7 HS [CR--C]		04/06/2018 05:00	
Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA 200.8	2	05/18/2018 15:22 CSG

MARTEL NO.	CLIENT SAMPLE IDENTIFICATION				Sample Date/Time
40008	000061	Boys Restroom (right, nxt to Room 7) HS [BS--NC]		04/06/2018 05:00	
Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	4.96	ug/l	EPA 200.8	2	05/18/2018 15:29 CSG



MARTEL NO. 40008 000062 CLIENT SAMPLE IDENTIFICATION Boys Restroom (middle, nxt to Room 7) HS [BS--NC] Sample Date/Time 04/06/2018 05:00

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	2.44	ug/l	EPA 200.8	2	05/18/2018 15:37 CSG

MARTEL NO. 40008 000063 CLIENT SAMPLE IDENTIFICATION Boys Restroom (left, nxt to Room 7) HS [BS--C] Sample Date/Time 04/06/2018 05:00

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	318	ug/l*	EPA 200.8	2	05/18/2018 15:40 CSG

MARTEL NO. 40008 000064 CLIENT SAMPLE IDENTIFICATION Custodial closet (nxt to Room 7) Hose bibb [OT--NC] Sample Date/Time 04/06/2018 05:00

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA 200.8	2	05/18/2018 15:42 CSG

MARTEL NO. 40008 000065 CLIENT SAMPLE IDENTIFICATION Hallway (nxt to Room 7) Bubbler [DF--NC] Sample Date/Time 04/06/2018 05:00

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA 200.8	2	05/18/2018 15:45 CSG

MARTEL NO. 40008 000066 CLIENT SAMPLE IDENTIFICATION Restroom (across from Room 4) HS [BS--NC] Sample Date/Time 04/06/2018 05:00

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA 200.8	2	05/18/2018 15:47 CSG

MARTEL NO. 40008 000067 CLIENT SAMPLE IDENTIFICATION Room 4 (right) HS [CR--NC] Sample Date/Time 04/06/2018 05:00

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	4.39	ug/l	EPA 200.8	2	05/18/2018 15:50 CSG

MARTEL NO. 40008 000068 CLIENT SAMPLE IDENTIFICATION Room 4 (right) Bubbler [DF--NC] Sample Date/Time 04/06/2018 05:00

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA 200.8	2	05/18/2018 15:52 CSG

MARTEL NO. 40008 000069 CLIENT SAMPLE IDENTIFICATION Room 4 (left) Bubbler [DF--NC] Sample Date/Time 04/06/2018 05:00

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	3.69	ug/l	EPA 200.8	2	05/18/2018 15:55 CSG



MARTEL NO. 40008 000070 CLIENT SAMPLE IDENTIFICATION: Girls Restroom (right, nxt to Room 4) HS [BS--NC] Sample Date/Time: 04/06/2018 05:00

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	24.3	ug/l*	EPA 200.8	2	05/18/2018 15:57 CSG

MARTEL NO. 40008 000071 CLIENT SAMPLE IDENTIFICATION: Girls Restroom (middle, nxt to Room 4) HS [BS--C] Sample Date/Time: 04/06/2018 05:00

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	121	ug/l*	EPA 200.8	2	05/18/2018 16:07 CSG

MARTEL NO. 40008 000072 CLIENT SAMPLE IDENTIFICATION: Girls Restroom (left, nxt to Room 4) HS [BS--NC] Sample Date/Time: 04/06/2018 05:00

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	13.9	ug/l	EPA 200.8	2	05/18/2018 16:12 CSG

MARTEL NO. 40008 000073 CLIENT SAMPLE IDENTIFICATION: Media Hall (right, nxt to room 104) Bubbler [DF--NC] Sample Date/Time: 04/06/2018 05:00

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	8.50	ug/l	EPA 200.8	2	05/18/2018 16:15 CSG

MARTEL NO. 40008 000074 CLIENT SAMPLE IDENTIFICATION: Media Hall (left, nxt to Room 104) Bubbler [DF--C] Sample Date/Time: 04/06/2018 05:00

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	5.96	ug/l	EPA 200.8	2	05/18/2018 16:17 CSG

MARTEL NO. 40008 000075 CLIENT SAMPLE IDENTIFICATION: Media Hall (nxt to Room 104) HS [OT--NC] Sample Date/Time: 04/06/2018 05:00

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	6.07	ug/l	EPA 200.8	2	05/18/2018 16:20 CSG

MARTEL NO. 40008 000076 CLIENT SAMPLE IDENTIFICATION: Room 104 Bubbler (left) [DF--NC] Sample Date/Time: 04/06/2018 05:00

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	129	ug/l*	EPA 200.8	2	05/18/2018 16:22 CSG

MARTEL NO. 40008 000077 CLIENT SAMPLE IDENTIFICATION: Room 104 HS (left) [CR--C] Sample Date/Time: 04/06/2018 05:00

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	6.76	ug/l	EPA 200.8	2	05/18/2018 16:25 CSG



MARTEL NO. 40008 000078 CLIENT SAMPLE IDENTIFICATION Room 104 Bubbler (right) [DF--NC] Sample Date/Time 04/06/2018 05:00

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	33.5	ug/l*	EPA 200.8	2	05/18/2018 16:27 CSG

MARTEL NO. 40008 000079 CLIENT SAMPLE IDENTIFICATION Room 104 HS (right) [CR--NC] Sample Date/Time 04/06/2018 05:00

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	4.11	ug/l	EPA 200.8	2	05/18/2018 16:30 CSG

MARTEL NO. 40008 000080 CLIENT SAMPLE IDENTIFICATION Pre-k Paige Restroom HS [BS--C] Sample Date/Time 04/06/2018 05:00

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA 200.8	2	05/18/2018 16:32 CSG

MARTEL NO. 40008 000081 CLIENT SAMPLE IDENTIFICATION Pre-k Paige Room GN [CR--NC] Sample Date/Time 04/06/2018 05:00

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA 200.8	2	05/18/2018 16:40 CSG

MARTEL NO. 40008 000082 CLIENT SAMPLE IDENTIFICATION Pre-k Paige Room Bubbler [DF--NC] Sample Date/Time 04/06/2018 05:00

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA 200.8	2	05/18/2018 16:47 CSG

MARTEL NO. 40008 000083 CLIENT SAMPLE IDENTIFICATION Pre-k Paige Room GN [CR--NC] Sample Date/Time 04/06/2018 05:00

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA 200.8	2	05/18/2018 16:50 CSG

MARTEL NO. 40008 000084 CLIENT SAMPLE IDENTIFICATION Room 102B Bubbler [DF--NC] Sample Date/Time 04/06/2018 05:00

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA 200.8	2	05/18/2018 16:52 CSG

MARTEL NO. 40008 000085 CLIENT SAMPLE IDENTIFICATION Room 102B GN [CR--NC] Sample Date/Time 04/06/2018 05:00

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA 200.8	2	05/18/2018 16:55 CSG



MARTEL NO.	CLIENT SAMPLE IDENTIFICATION	Sample Date/Time			
40008 000086	Room 102B Restroom HS [BS--NC]	04/06/2018 05:00			
Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	65.3	ug/l*	EPA 200.8	2	05/18/2018 16:57 CSG

MARTEL NO.	CLIENT SAMPLE IDENTIFICATION	Sample Date/Time			
40008 000087	Room 102B Water fountain Bubbler [DF--NC]	04/06/2018 05:00			
Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	non	operational	EPA 200.8	2	//

MARTEL NO.	CLIENT SAMPLE IDENTIFICATION	Sample Date/Time			
40008 000088	Room 102A GN [CR--C]	04/06/2018 05:00			
Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	3.59	ug/l	EPA 200.8	2	05/18/2018 17:00 CSG

MARTEL NO.	CLIENT SAMPLE IDENTIFICATION	Sample Date/Time			
40008 000089	Room 102A Restroom HS [BS--NC]	04/06/2018 05:00			
Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	83.4	ug/l*	EPA 200.8	2	05/18/2018 17:03 CSG

MARTEL NO.	CLIENT SAMPLE IDENTIFICATION	Sample Date/Time			
40008 000090	Room 102A Water fountain Bubbler [DF--NC]	04/06/2018 05:00			
Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	110	ug/l	EPA 200.8	2	05/18/2018 17:05 CSG

MARTEL NO.	CLIENT SAMPLE IDENTIFICATION	Sample Date/Time			
40008 000091	Café Bubbler [DF--C]	04/06/2018 05:00			
Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA 200.8	2	05/18/2018 17:15 CSG

MARTEL NO.	CLIENT SAMPLE IDENTIFICATION	Sample Date/Time			
40008 000092	Kitchen (right) GN [KS--NC]	04/06/2018 05:00			
Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA 200.8	2	05/18/2018 17:20 CSG

MARTEL NO.	CLIENT SAMPLE IDENTIFICATION	Sample Date/Time			
40008 000093	Kitchen (left) GN [KS--NC]	04/06/2018 05:00			
Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA 200.8	2	05/18/2018 18:23 CSG



MARTEL NO. 40008 000094 Kitchen HS [KS--C] CLIENT SAMPLE IDENTIFICATION Sample Date/Time 04/06/2018 05:00

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA 200.8	2	05/18/2018 18:26 CSG

MARTEL NO. 40008 000095 Kitchen Restroom HS [BS--NC] CLIENT SAMPLE IDENTIFICATION Sample Date/Time 04/06/2018 05:00

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	4.70	ug/l	EPA 200.8	2	05/18/2018 18:29 CSG

MARTEL NO. 40008 000096 Kitchen custdian closet Hose bibb [OT--NC] CLIENT SAMPLE IDENTIFICATION Sample Date/Time 04/06/2018 05:00

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	5.25	ug/l	EPA 200.8	2	05/18/2018 18:32 CSG

MARTEL NO. 40008 000097 Kitchen (near custodian closet) HS [KS--NC] CLIENT SAMPLE IDENTIFICATION Sample Date/Time 04/06/2018 05:00

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA 200.8	2	05/18/2018 18:34 CSG

MARTEL NO. 40008 000098 Physical Ed Office Restroom HS [BS--C] CLIENT SAMPLE IDENTIFICATION Sample Date/Time 04/06/2018 05:00

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA 200.8	2	05/18/2018 17:35 CSG

MARTEL NO. 40008 000099 Gym Bubbler [DF--NC] CLIENT SAMPLE IDENTIFICATION Sample Date/Time 04/06/2018 05:00

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA 200.8	2	05/18/2018 17:38 CSG

MARTEL NO. 40008 000100 Gym Boys Restroom HS [BS--NC] CLIENT SAMPLE IDENTIFICATION Sample Date/Time 04/06/2018 05:00

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	78.0	ug/l*	EPA 200.8	2	05/18/2018 17:40 CSG

MARTEL NO. 40008 000101 Gym Girls Restroom HS [BS--C] CLIENT SAMPLE IDENTIFICATION Sample Date/Time 04/06/2018 05:00

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	32.3	ug/l*	EPA 200.8	2	05/18/2018 17:48 CSG



Martel Laboratories JDS Inc.

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

AACOP1

05/21/2018
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.

* result exceeds 20.5 ug/l (ppb).

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

Sample Date/Start Time: 4/6/18 500

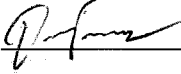
End time: 629

Bottle Type/Preservative: 250 ml plastic/HNO3

Analysis: Lead (EPA 200.8)

Samples preserved properly Yes or No

NOTES:

Sampled/Relinquished by: 

Received at Martel by: 

Date/Time: 4/6/18 0800

Hilltop ES (1142)

415 Melrose Avenue, Glen Burnie, MD 21061

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, Hose Bibb, etc.)
1	Main office restroom	Hand Sink (HS)
2	Teacher's lounge	Gooseneck (GN)
3	Office workroom	HS
4	Boys Restroom- Main Hall	HS
5	Girls Restroom- Main Hall	HS
6	Custodial room- Main Hall	Hose bibb
7	Main hall restroom	HS
8	Room 103 Health Room	HS
9	Room 103 Health Room	GN
10	Room 105 (see map)	GN (TOP)
11	Room 105 (see map)	GN (LEFT)
12	Room 105 (see map)	GN (BOTTOM)
13	Room 105 (see map)	GN (RIGHT)
14	Room 23	HS
15	Room 23 (right)	Bubbler
16	Room 23 (left)	Bubbler
17	Boys Restroom (nxt to Room 23)	HS (right)
18	Boys Restroom (nxt to Room 23)	HS (center)
19	Boys Restroom (nxt to Room 23)	HS (left)
20	Room 20 (right)	HS
21	Room 20 (left)	Bubbler
22	Girls Restroom (right, nxt to Room 20)	HS
23	Girls Restroom (middle, nxt to Room 20)	HS
24	Girls Restroom (left, nxt to Room 20)	HS
25	Custodial closet (nxt to Room 20)	Hose bibb
26	Restroom (across from Room 23)	HS
27	Hallway (across from Room 23)	Bubbler
28	Room 15 (right)	Bubbler
29	Room 15 (left)	Bubbler
30	Room 15	HS
31	Boys Restroom (right, nxt to Room 15)	HS
32	Boys Restroom (middle, nxt to Room 15)	HS

Hilltop ES (1142)**415 Melrose Avenue, Glen Burnie, MD 21061**

33	Boys Restroom (left, nxt to Room 15)	HS
34	Room 12	HS
35	Room 12 (left)	Bubbler
36	Room 12 (right)	Bubbler
37	Girls Bathroom (right, nxt to Room 12)	HS
38	Girls Bathroom (middle, nxt to Room 12)	HS
39	Girls Bathroom (left, nxt to Room 12)	HS
40	Custodial closet (nxt to Room 12)	Hose bibb
41	Hallway (nxt to Room 12)	Bubbler
42	Adult Restroom (across from Room 15)	HS
43	Room 34	Bubbler
44	Room 34	GN
45	Room 34 Restroom	HS
46	Room 33 Restroom	HS
47	Room 33	Bubbler
48	Room 33	GN
49	Room 32 Restroom	HS
50	Room 32	Bubbler
51	Room 32	GN
52	Room 31	Bubbler
53	Room 31	GN
54	Room 31 Restroom	HS
55	Room 30 Restroom	HS
56	Room 30	Bubbler
57	Room 30	GN
58	Room 7 (right)	Bubbler
59	Room 7 (left)	Bubbler
60	Room 7	HS
61	Boys Restroom (right, nxt to Room 7)	HS
62	Boys Restroom (middle, nxt to Room 7)	HS
63	Boys Restroom (left, nxt to Room 7)	HS
64	Custodial closet (nxt to Room 7)	Hose bibb
65	Hallway (nxt to Room 7)	Bubbler
66	Restroom (across from Room 4)	HS
67	Room 4 (right)	HS
68	Room 4 (right)	Bubbler
69	Room 4 (left)	Bubbler
70	Girls Restroom (right, nxt to Room 4)	HS
71	Girls Restroom (middle, nxt to Room 4)	HS
72	Girls Restroom (left, nxt to Room 4)	HS
73	Media Hall (right, nxt to room 104)	Bubbler
74	Media Hall (left, nxt to Room 104)	Bubbler
75	Media Hall (nxt to Room 104)	HS
76	Room 104	Bubbler (left)

Hilltop ES (1142)

415 Melrose Avenue, Glen Burnie, MD 21061

77	Room 104	HS (left)
78	Room 104	Bubbler (right)
79	Room 104	HS (right)
80	Pre-k Paige Restroom	HS
81	Pre-k Paige Room	GN
82	Pre-k Paige Room	Bubbler
83	Pre-k Paige Room	GN
84	Room 102B	Bubbler
85	Room 102B	GN
86	Room 102B Restroom	HS
87	Room 102B Water fountain	Bubbler
88	Room 102A	GN
89	Room 102A Restroom	HS
90	Room 102A Water fountain	Bubbler
91	Café	Bubbler
92	Kitchen (right)	GN
93	Kitchen (left)	GN
94	Kitchen	HS
95	Kitchen Restroom	HS
96	Kitchen custodian closet	Hose bibb
97	Kitchen (near custodian closet)	HS
98	Physical Ed Office Restroom	HS
99	Gym	Bubbler
100	Gym Boys Restroom	HS
101	Gym Girls Restroom	HS
102	Outside (see map)	Hose bibb
103	Outside (see map)	Hose bibb
104	Outside (see map)	Hose bibb
105	Outside (see map)	Hose bibb
106	Outside (see map)	Hose bibb
107	Boiler Room	Hose bibb
108	Outside (see map)	Hose bibb
109	Outside (see map)	Hose bibb