

Lead in Drinking Water – Public and Nonpublic Schools

IMPORTANT NOTICE: ELEVATED WATER SAMPLE RESULT(S) **Linthicum 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 March 28, 2018, **ninety-nine (99)** lead water samples were collected from **Linthicum Elementary School**. Of these lead water samples, **five (5)** 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 Linthicum Elementary School were as follows: (see attached map)

Sample No.000011-46.7 ppb: Resource Bubbler Right (across electrical room) (**consumable**)

Sample No.000013-97.9 ppb: Computer Lab Gooseneck Left (non-consumable)

Sample No. 000015-42.5 ppb: Computer Lab Bubbler Right (**consumable**)

Sample No.000069-23.0 ppb: D208 Custodial Closet Slop Sink (non-consumable).

Sample No. 000090-73.1 ppb: Boys Bathroom (near E210) Hand Sink Center (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. Consumable water sources will be taken out of service and shutoff.
2. Non-Consumable water sources will be posted with signage indicating "Do Not Use For Drinking" or "Hand Washing Only".

NEXT STEPS

1. Consumable water sources will be replaced with new plumbing fixtures.

2. Non-Consumable water sources will be permanently posted with signage if a second flush test is acceptable.

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

Tuesday, May 8, 2018

Pasadena, MD 21122

Attention: Chris Williams

Certificate of Analysis
AMENDED

Report for Lab No: 40005.

Linthicum ES (1152)

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

P.O. Number: PO 9212

Sampling by Martel personnel on March 28, 2018, Patrick Shannon.

MARTEL NO.	CLIENT SAMPLE IDENTIFICATION		Sample Date/Time			
40005	000001	Main Office Bathroom Hand Sink	03/28/2018 05:00			
Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial	
Lead	<2	ug/l	EPA 200.8	2	05/02/2018 13:36 BJ	
MARTEL NO.	CLIENT SAMPLE IDENTIFICATION		Sample Date/Time			
40005	000002	Health Room Bathroom Hand Sink	03/28/2018 05:00			
Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial	
Lead	<2	ug/l	EPA 200.8	2	05/02/2018 13:48 BJ	
MARTEL NO.	CLIENT SAMPLE IDENTIFICATION		Sample Date/Time			
40005	000003	Health Room Hand Sink	03/28/2018 05:00			
Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial	
Lead	3.58	ug/l	EPA 200.8	2	05/02/2018 13:51 BJ	
MARTEL NO.	CLIENT SAMPLE IDENTIFICATION		Sample Date/Time			
40005	000004	Teachers Lounge Mens Bathroom Hand Sink	03/28/2018 05:00			
Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial	
Lead	<2	ug/l	EPA 200.8	2	05/02/2018 13:53 BJ	
MARTEL NO.	CLIENT SAMPLE IDENTIFICATION		Sample Date/Time			
40005	000005	Teachers Lounge Womans Bathroom Hand Slnk	03/28/2018 05:00			
Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial	
Lead	<2	ug/l	EPA 200.8	2	05/02/2018 13:56 BJ	
MARTEL NO.	CLIENT SAMPLE IDENTIFICATION		Sample Date/Time			
40005	000006	Teachers Lounge Kitchen Area Hand Sink	03/28/2018 05:00			
Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial	



MARTEL NO. 40005 000006 CLIENT SAMPLE IDENTIFICATION Teachers Lounge Kitchen Area Hand Sink Sample Date/Time 03/28/2018 05:00

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA 200.8	2	05/02/2018 13:58 BJ

MARTEL NO. 40005 000007 CLIENT SAMPLE IDENTIFICATION Art Gooseneck (LEFT) Sample Date/Time 03/28/2018 05:00

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA 200.8	2	05/02/2018 14:01 BJ

MARTEL NO. 40005 000008 CLIENT SAMPLE IDENTIFICATION Art Gooseneck (RIGHT) Sample Date/Time 03/28/2018 05:00

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA 200.8	2	05/02/2018 14:03 BJ

MARTEL NO. 40005 000009 CLIENT SAMPLE IDENTIFICATION Resources (across from elctrical equipment rm) Gooseneck (LE) Sample Date/Time 03/28/2018 05:00

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	5.95	ug/l	EPA 200.8	2	05/02/2018 14:05 BJ

MARTEL NO. 40005 000010 CLIENT SAMPLE IDENTIFICATION Resources (across from elctrical equipment rm) Bubbler (LEFT) Sample Date/Time 03/28/2018 05:00

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	12.0	ug/l	EPA 200.8	2	05/02/2018 14:08 BJ

MARTEL NO. 40005 000011 CLIENT SAMPLE IDENTIFICATION Resources (across from elctrical equipment rm) Bubbler (RIGH) Sample Date/Time 03/28/2018 05:00

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	46.7	ug/l*	EPA 200.8	2	05/02/2018 14:18 BJ

MARTEL NO. 40005 000012 CLIENT SAMPLE IDENTIFICATION Kindergarten - CPU Room Bathroom Hand Sink Sample Date/Time 03/28/2018 05:00

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	15.6	ug/l	EPA 200.8	2	05/02/2018 14:23 BJ

MARTEL NO. 40005 000013 CLIENT SAMPLE IDENTIFICATION Kindergarten - CPU Room Gooseneck (LEFT) Sample Date/Time 03/28/2018 05:00

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	97.9	ug/l*	EPA 200.8	2	05/02/2018 14:26 BJ



MARTEL NO. 40005 000014 CLIENT SAMPLE IDENTIFICATION Kindergarten - CPU Room Bubbler (LEFT) Sample Date/Time 03/28/2018 05:00

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	19.3	ug/l	EPA 200.8	2	05/02/2018 14:28 BJ

MARTEL NO. 40005 000015 CLIENT SAMPLE IDENTIFICATION Kindergarten - CPU Room Bubbler (RIGHT) Sample Date/Time 03/28/2018 05:00

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	42.5	ug/l*	EPA 200.8	2	05/02/2018 14:31 BJ

MARTEL NO. 40005 000016 CLIENT SAMPLE IDENTIFICATION Kindergarten Global Study Bathroom Hand Sink Sample Date/Time 03/28/2018 05:00

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	16.7	ug/l	EPA 200.8	2	05/02/2018 14:33 BJ

MARTEL NO. 40005 000017 CLIENT SAMPLE IDENTIFICATION Music Room Gooseneck Sample Date/Time 03/28/2018 05:00

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	8.72	ug/l	EPA 200.8	2	05/02/2018 14:36 BJ

MARTEL NO. 40005 000018 CLIENT SAMPLE IDENTIFICATION Music Room Bubbler Sample Date/Time 03/28/2018 05:00

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA 200.8	2	05/02/2018 14:38 BJ

MARTEL NO. 40005 000019 CLIENT SAMPLE IDENTIFICATION Hall Fountain (by music room) Water Fountain Sample Date/Time 03/28/2018 05:00

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	2.13	ug/l	EPA 200.8	2	05/02/2018 14:40 BJ

MARTEL NO. 40005 000020 CLIENT SAMPLE IDENTIFICATION Boys Bathroom (Kindergarten Hall) Hand Sink (LEFT) Sample Date/Time 03/28/2018 05:00

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	2.41	ug/l	EPA 200.8	2	05/02/2018 14:43 BJ

MARTEL NO. 40005 000021 CLIENT SAMPLE IDENTIFICATION Boys Bathroom (Kindergarten Hall) Hand Sink (RIGHT) Sample Date/Time 03/28/2018 05:00

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	4.04	ug/l	EPA 200.8	2	05/02/2018 14:51 BJ



MARTEL NO. 40005 000022 CLIENT SAMPLE IDENTIFICATION Girls Bathroom (Kindergarten Hall) Hand Sink (LEFT) Sample Date/Time 03/28/2018 05:00

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	3.79	ug/l	EPA 200.8	2	05/02/2018 14:58 BJ

MARTEL NO. 40005 000023 CLIENT SAMPLE IDENTIFICATION Girls Bathroom (Kindergarten Hall) Hand Sink (RIGHT) Sample Date/Time 03/28/2018 05:00

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	4.17	ug/l	EPA 200.8	2	05/02/2018 15:00 BJ

MARTEL NO. 40005 000024 CLIENT SAMPLE IDENTIFICATION Cafeteria Water Fountain Sample Date/Time 03/28/2018 05:00

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA 200.8	2	05/02/2018 15:03 BJ

MARTEL NO. 40005 000025 CLIENT SAMPLE IDENTIFICATION Kitchen - Serving Area Hand Sink Sample Date/Time 03/28/2018 05:00

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	7.19	ug/l	EPA 200.8	2	05/02/2018 15:05 BJ

MARTEL NO. 40005 000026 CLIENT SAMPLE IDENTIFICATION Kitchen - Bathroom Hand Sink Sample Date/Time 03/28/2018 05:00

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA 200.8	2	05/02/2018 15:08 BJ

MARTEL NO. 40005 000027 CLIENT SAMPLE IDENTIFICATION Kitchen Custodial Area (near bathroom) Slop Sink Sample Date/Time 03/28/2018 05:00

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	19.1	ug/l	EPA 200.8	2	05/02/2018 15:10 BJ

MARTEL NO. 40005 000028 CLIENT SAMPLE IDENTIFICATION Kitchen - Tri Sink Goosenck (LEFT) Sample Date/Time 03/28/2018 05:00

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA 200.8	2	05/02/2018 15:13 BJ

MARTEL NO. 40005 000029 CLIENT SAMPLE IDENTIFICATION Kitchen - Tri Sink Gooseneck (RIGHT) Sample Date/Time 03/28/2018 05:00

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



MARTEL NO. 40005 CLIENT SAMPLE IDENTIFICATION Sample Date/Time
 000030 Kitchen - Double Sink Gooseneck 03/28/2018 05:00

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

MARTEL NO. 40005 CLIENT SAMPLE IDENTIFICATION Sample Date/Time
 000031 Kitchen (across from double sink) Hand Sink 03/28/2018 05:00

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	6.85	ug/l	EPA 200.8	2	05/02/2018 15:27 BJ

MARTEL NO. 40005 CLIENT SAMPLE IDENTIFICATION Sample Date/Time
 000032 Gym - Fountain by bathrooms Water Fountain 03/28/2018 05:00

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	2.56	ug/l	EPA 200.8	2	05/02/2018 15:32 BJ

MARTEL NO. 40005 CLIENT SAMPLE IDENTIFICATION Sample Date/Time
 000033 Gym Girls Bathroom Hand Sink 03/28/2018 05:00

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA 200.8	2	05/02/2018 15:35 BJ

MARTEL NO. 40005 CLIENT SAMPLE IDENTIFICATION Sample Date/Time
 000034 Gym Boys Bathroom Hand Sink 03/28/2018 05:00

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA 200.8	2	05/02/2018 15:37 BJ

MARTEL NO. 40005 CLIENT SAMPLE IDENTIFICATION Sample Date/Time
 000035 Gym Office Bathroom Hand Sink 03/28/2018 05:00

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	7.13	ug/l	EPA 200.8	2	05/02/2018 15:40 BJ

MARTEL NO. 40005 CLIENT SAMPLE IDENTIFICATION Sample Date/Time
 000036 Hallway fountain (across from resource room) Water Fountain 03/28/2018 05:00

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	8.17	ug/l	EPA 200.8	2	05/02/2018 15:42 BJ

MARTEL NO. 40005 CLIENT SAMPLE IDENTIFICATION Sample Date/Time
 000037 Media Center Gooseneck (LEFT) 03/28/2018 05:00

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	7.29	ug/l	EPA 200.8	2	05/02/2018 15:45 BJ



MARTEL NO. 40005	000038	CLIENT SAMPLE IDENTIFICATION Media Center Gooseneck (CENTER)	Sample Date/Time 03/28/2018 05:00
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Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	6.20	ug/l	EPA 200.8	2	05/02/2018 15:47 BJ

MARTEL NO. 40005	000039	CLIENT SAMPLE IDENTIFICATION Media Center Gooseneck (RIGHT)	Sample Date/Time 03/28/2018 05:00
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Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	15.3	ug/l	EPA 200.8	2	05/02/2018 15:50 BJ

MARTEL NO. 40005	000040	CLIENT SAMPLE IDENTIFICATION C204 Gooseneck	Sample Date/Time 03/28/2018 05:00
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Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	6.36	ug/l	EPA 200.8	2	05/02/2018 15:52 BJ

MARTEL NO. 40005	000041	CLIENT SAMPLE IDENTIFICATION C204 Bubbler	Sample Date/Time 03/28/2018 05:00
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Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	4.28	ug/l	EPA 200.8	2	05/02/2018 16:00 BJ

MARTEL NO. 40005	000042	CLIENT SAMPLE IDENTIFICATION Girls Bathroom (across from rm C208) Hand Sink (LEFT)	Sample Date/Time 03/28/2018 05:00
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Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA 200.8	2	05/02/2018 16:07 BJ

MARTEL NO. 40005	000043	CLIENT SAMPLE IDENTIFICATION Girls Bathroom (across from rm C208) Hand Sink (CENTER)	Sample Date/Time 03/28/2018 05:00
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Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA 200.8	2	05/02/2018 16:09 BJ

MARTEL NO. 40005	000044	CLIENT SAMPLE IDENTIFICATION Girls Bathroom (across from rm C208) Hand Sink (RIGHT)	Sample Date/Time 03/28/2018 05:00
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Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	2.00	ug/l	EPA 200.8	2	05/02/2018 16:12 BJ

MARTEL NO. 40005	000045	CLIENT SAMPLE IDENTIFICATION C208 Custodial Closet Slop Sink	Sample Date/Time 03/28/2018 05:00
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Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	11.3	ug/l	EPA 200.8	2	05/02/2018 16:14 BJ



MARTEL NO. 40005 CLIENT SAMPLE IDENTIFICATION Sample Date/Time
 000046 Boys Bathroom (next to rm C208) Hand Sink (LEFT) 03/28/2018 05:00

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA 200.8	2	05/02/2018 16:17 BJ

MARTEL NO. 40005 CLIENT SAMPLE IDENTIFICATION Sample Date/Time
 000047 Boys Bathroom (next to rm C208) Hand Sink (CENTER) 03/28/2018 05:00

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA 200.8	2	05/02/2018 16:19 BJ

MARTEL NO. 40005 CLIENT SAMPLE IDENTIFICATION Sample Date/Time
 000048 Boys Bathroom (next to rm C208) Hand Sink (RIGHT) 03/28/2018 05:00

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA 200.8	2	05/02/2018 16:22 BJ

MARTEL NO. 40005 CLIENT SAMPLE IDENTIFICATION Sample Date/Time
 000049 Bathroom (across from rm C214) Hand Sink 03/28/2018 05:00

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA 200.8	2	05/02/2018 16:24 BJ

MARTEL NO. 40005 CLIENT SAMPLE IDENTIFICATION Sample Date/Time
 000050 Hallway Fountain (outside of rm C214) Gooseneck (LEFT) 03/28/2018 05:00

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA 200.8	2	05/02/2018 16:27 BJ

MARTEL NO. 40005 CLIENT SAMPLE IDENTIFICATION Sample Date/Time
 000051 Hallway Fountain (outside of rm C214) Bubbler (LEFT) 03/28/2018 05:00

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA 200.8	2	05/02/2018 16:36 BJ

MARTEL NO. 40005 CLIENT SAMPLE IDENTIFICATION Sample Date/Time
 000052 Hallway Fountain (outside of rm C214) Gooseneck (RIGHT) 03/28/2018 05:00

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA 200.8	2	05/02/2018 16:41 BJ

MARTEL NO. 40005 CLIENT SAMPLE IDENTIFICATION Sample Date/Time
 000053 Hallway Fountain (outside of rm C214) Bubbler (RIGHT) 03/28/2018 05:00

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA 200.8	2	05/02/2018 16:44 BJ



MARTEL NO. 40005 CLIENT SAMPLE IDENTIFICATION Sample Date/Time
 000054 C210 Gooseneck 03/28/2018 05:00

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	4.52	ug/l	EPA 200.8	2	05/02/2018 16:46 BJ

MARTEL NO. 40005 CLIENT SAMPLE IDENTIFICATION Sample Date/Time
 000055 C210 Bubbler 03/28/2018 05:00

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA 200.8	2	05/02/2018 16:49 BJ

MARTEL NO. 40005 CLIENT SAMPLE IDENTIFICATION Sample Date/Time
 000056 C214 Gooseneck 03/28/2018 05:00

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA 200.8	2	05/02/2018 16:51 BJ

MARTEL NO. 40005 CLIENT SAMPLE IDENTIFICATION Sample Date/Time
 000057 C214 Bubbler 03/28/2018 05:00

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA 200.8	2	05/02/2018 16:54 BJ

MARTEL NO. 40005 CLIENT SAMPLE IDENTIFICATION Sample Date/Time
 000058 C205 Gooseneck 03/28/2018 05:00

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	3.55	ug/l	EPA 200.8	2	05/02/2018 16:56 BJ

MARTEL NO. 40005 CLIENT SAMPLE IDENTIFICATION Sample Date/Time
 000059 C205 Bubbler 03/28/2018 05:00

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	2.29	ug/l	EPA 200.8	2	05/02/2018 16:59 BJ

MARTEL NO. 40005 CLIENT SAMPLE IDENTIFICATION Sample Date/Time
 000060 D204 Gooseneck 03/28/2018 05:00

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	4.15	ug/l	EPA 200.8	2	05/02/2018 17:01 BJ

MARTEL NO. 40005 CLIENT SAMPLE IDENTIFICATION Sample Date/Time
 000061 D204 Bubbler 03/28/2018 05:00

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA 200.8	2	05/02/2018 17:16 BJ



MARTEL NO. 40005 CLIENT SAMPLE IDENTIFICATION Sample Date/Time
 000062 Hallway Fountain (outside of rm D204) Gooseneck (LEFT) 03/28/2018 05:00

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA 200.8	2	05/02/2018 17:24 BJ

MARTEL NO. 40005 CLIENT SAMPLE IDENTIFICATION Sample Date/Time
 000063 Hallway Fountain (outside of rm D204) Bubbler (LEFT) 03/28/2018 05:00

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA 200.8	2	05/02/2018 17:26 BJ

MARTEL NO. 40005 CLIENT SAMPLE IDENTIFICATION Sample Date/Time
 000064 Hallway Fountain (outside of rm D204) Gooseneck (RIGHT) 03/28/2018 05:00

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA 200.8	2	05/02/2018 17:29 BJ

MARTEL NO. 40005 CLIENT SAMPLE IDENTIFICATION Sample Date/Time
 000065 Hallway Fountain (outside of rm D204) Bubbler (RIGHT) 03/28/2018 05:00

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA 200.8	2	05/02/2018 17:31 BJ

MARTEL NO. 40005 CLIENT SAMPLE IDENTIFICATION Sample Date/Time
 000066 Girls Bathroom (next to rm D205) Hand Sink (LEFT) 03/28/2018 05:00

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	4.06	ug/l	EPA 200.8	2	05/02/2018 17:34 BJ

MARTEL NO. 40005 CLIENT SAMPLE IDENTIFICATION Sample Date/Time
 000067 Girls Bathroom (next to rm D205) Hand Sink (CENTER) 03/28/2018 05:00

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	16.8	ug/l	EPA 200.8	2	05/02/2018 17:36 BJ

MARTEL NO. 40005 CLIENT SAMPLE IDENTIFICATION Sample Date/Time
 000068 Girls Bathroom (next to rm D205) Hand Sink (RIGHT) 03/28/2018 05:00

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	11.6	ug/l	EPA 200.8	2	05/02/2018 17:39 BJ

MARTEL NO. 40005 CLIENT SAMPLE IDENTIFICATION Sample Date/Time
 000069 D208 Custodial Closet Slop Sink 03/28/2018 05:00

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	23.0	ug/l*	EPA 200.8	2	05/02/2018 17:41 BJ



MARTEL NO. 40005 000070 CLIENT SAMPLE IDENTIFICATION Boys Bathroom (across from D208) Hand Sink (LEFT) Sample Date/Time 03/28/2018 05:00

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA 200.8	2	05/02/2018 17:44 BJ

MARTEL NO. 40005 000071 CLIENT SAMPLE IDENTIFICATION Boys Bathroom (across from D208) Hand Sink (CENTER) Sample Date/Time 03/28/2018 05:00

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA 200.8	2	05/02/2018 17:53 BJ

MARTEL NO. 40005 000072 CLIENT SAMPLE IDENTIFICATION Boys Bathroom (across from D208) Hand Sink (RIGHT) Sample Date/Time 03/28/2018 05:00

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	2.94	ug/l	EPA 200.8	2	05/02/2018 17:58 BJ

MARTEL NO. 40005 000073 CLIENT SAMPLE IDENTIFICATION Restroom (by D214) Hand Sink Sample Date/Time 03/28/2018 05:00

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA 200.8	2	05/02/2018 18:01 BJ

MARTEL NO. 40005 000074 CLIENT SAMPLE IDENTIFICATION D210 Gooseneck Sample Date/Time 03/28/2018 05:00

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	2.46	ug/l	EPA 200.8	2	05/02/2018 18:03 BJ

MARTEL NO. 40005 000075 CLIENT SAMPLE IDENTIFICATION D210 Bubbler Sample Date/Time 03/28/2018 05:00

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA 200.8	2	05/02/2018 18:06 BJ

MARTEL NO. 40005 000076 CLIENT SAMPLE IDENTIFICATION D214 Gooseneck Sample Date/Time 03/28/2018 05:00

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	10.2	ug/l	EPA 200.8	2	05/02/2018 18:08 BJ

MARTEL NO. 40005 000077 CLIENT SAMPLE IDENTIFICATION D214 Bubbler Sample Date/Time 03/28/2018 05:00

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA 200.8	2	05/02/2018 18:11 BJ



MARTEL NO. 40005 000078 CLIENT SAMPLE IDENTIFICATION D205 Gooseneck Sample Date/Time 03/28/2018 05:00

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	3.29	ug/l	EPA 200.8	2	05/02/2018 18:13 BJ

MARTEL NO. 40005 000079 CLIENT SAMPLE IDENTIFICATION D205 Bubbler Sample Date/Time 03/28/2018 05:00

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA 200.8	2	05/02/2018 18:16 BJ

MARTEL NO. 40005 000080 CLIENT SAMPLE IDENTIFICATION E204 Gooseneck Sample Date/Time 03/28/2018 05:00

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	2.78	ug/l	EPA 200.8	2	05/02/2018 18:18 BJ

MARTEL NO. 40005 000081 CLIENT SAMPLE IDENTIFICATION E204 Bubbler Sample Date/Time 03/28/2018 05:00

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA 200.8	2	05/02/2018 18:26 BJ

MARTEL NO. 40005 000082 CLIENT SAMPLE IDENTIFICATION Hall Fountain (by rm E204) Gooseneck (LEFT) Sample Date/Time 03/28/2018 05:00

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA 200.8	2	05/02/2018 18:33 BJ

MARTEL NO. 40005 000083 CLIENT SAMPLE IDENTIFICATION Hall Fountain (by rm E204) Bubbler (LEFT) Sample Date/Time 03/28/2018 05:00

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA 200.8	2	05/02/2018 18:36 BJ

MARTEL NO. 40005 000084 CLIENT SAMPLE IDENTIFICATION Hall Fountain (by rm E204) Gooseneck (RIGHT) Sample Date/Time 03/28/2018 05:00

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA 200.8	2	05/02/2018 18:38 BJ

MARTEL NO. 40005 000085 CLIENT SAMPLE IDENTIFICATION Hall Fountain (by rm E204) Bubbler (RIGHT) Sample Date/Time 03/28/2018 05:00

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA 200.8	2	05/02/2018 18:41 BJ



MARTEL NO.	CLIENT SAMPLE IDENTIFICATION	Sample Date/Time
40005 000086	Girls Bathroom (by rm E205) Hand Sink (LEFT)	03/28/2018 05:00

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	548	ug/l*	EPA 200.8	2	05/02/2018 18:43 BJ

MARTEL NO.	CLIENT SAMPLE IDENTIFICATION	Sample Date/Time
40005 000087	Girls Bathroom (by rm E205) Hand Sink (CENTER)	03/28/2018 05:00

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	2.69	ug/l	EPA 200.8	2	05/02/2018 18:46 BJ

MARTEL NO.	CLIENT SAMPLE IDENTIFICATION	Sample Date/Time
40005 000088	Girls Bathroom (by rm E205) Hand Sink (RIGHT)	03/28/2018 05:00

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	2.32	ug/l	EPA 200.8	2	05/02/2018 18:48 BJ

MARTEL NO.	CLIENT SAMPLE IDENTIFICATION	Sample Date/Time
40005 000089	Boys Bathroom (by rm E210) Hand Sink (LEFT)	03/28/2018 05:00

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	4.11	ug/l	EPA 200.8	2	05/02/2018 18:51 BJ

MARTEL NO.	CLIENT SAMPLE IDENTIFICATION	Sample Date/Time
40005 000090	Boys Bathroom (by rm E210) Hand Sink (CENTER)	03/28/2018 05:00

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	73.1	ug/l*	EPA 200.8	2	05/02/2018 18:53 BJ

MARTEL NO.	CLIENT SAMPLE IDENTIFICATION	Sample Date/Time
40005 000091	Boys Bathroom (by rm E210) Hand Sink (RIGHT)	03/28/2018 05:00

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA 200.8	2	05/02/2018 19:03 BJ

MARTEL NO.	CLIENT SAMPLE IDENTIFICATION	Sample Date/Time
40005 000092	E208 Custodial Closet Slop Sink	03/28/2018 05:00

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	2.05	ug/l	EPA 200.8	2	05/02/2018 19:08 BJ

MARTEL NO.	CLIENT SAMPLE IDENTIFICATION	Sample Date/Time
40005 000093	Restroom (by E214) Hand Sink	03/28/2018 05:00

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA 200.8	2	05/02/2018 19:11 BJ



MARTEL NO. 40005 000094 E210 Gooseneck CLIENT SAMPLE IDENTIFICATION Sample Date/Time 03/28/2018 05:00

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA 200.8	2	05/02/2018 19:13 BJ

MARTEL NO. 40005 000095 E210 Bubbler CLIENT SAMPLE IDENTIFICATION Sample Date/Time 03/28/2018 05:00

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	3.46	ug/l	EPA 200.8	2	05/02/2018 19:16 BJ

MARTEL NO. 40005 000096 E205 Gooseneck CLIENT SAMPLE IDENTIFICATION Sample Date/Time 03/28/2018 05:00

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA 200.8	2	05/02/2018 19:18 BJ

MARTEL NO. 40005 000097 E205 Bubbler CLIENT SAMPLE IDENTIFICATION Sample Date/Time 03/28/2018 05:00

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA 200.8	2	05/02/2018 19:21 BJ

MARTEL NO. 40005 000098 E214 Gooseneck CLIENT SAMPLE IDENTIFICATION Sample Date/Time 03/28/2018 05:00

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	3.68	ug/l	EPA 200.8	2	05/02/2018 19:23 BJ

MARTEL NO. 40005 000099 E214 Bubbler CLIENT SAMPLE IDENTIFICATION Sample Date/Time 03/28/2018 05:00

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA 200.8	2	05/02/2018 19:26 BJ



Martel Laboratories JDS Inc.

MAY05B0

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

AACOP1

05/08/2018
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.

* result exceeds 20 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: 3-28-18 5:00x

End time: 7:10A

Bottle Type/Preservative: 250 ml plastic/HNO3

Analysis: Lead (EPA 200.8)

Samples preserved properly Yes or No

NOTES:

Sampled/Relinquished by: [Signature]

Received at Martel by: 3/28/18 [Signature]

Date/Time: 0800

Linthicum ES (1152) MARTEL LAB NO. 40005

101 School Lane, Linthicum, MD 21090

**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 Bathroom	Hand Sink
2	Health Room Bathroom	Hand Sink
3	Health Room	Hand Sink
4	Teachers Lounge Mens Bathroom	Hand Sink
5	Teachers Lounge Womans Bathroom	Hand Sink
6	Teachers Lounge Kitchen Area	Hand Sink
7	Art	Gooseneck (LEFT)
8	Art	Gooseneck (RIGHT)
9	Resources (across from elctrical equipment rm)	Gooseneck (LEFT)
10	Resources (across from elctrical equipment rm)	Bubbler (LEFT)
11	Resources (across from elctrical equipment rm)	Bubbler (RIGHT)
12	Kindergarten - CPU Room Bathroom	Hand Sink
13	Kindergarten - CPU Room	Gooseneck (LEFT)
14	Kindergarten - CPU Room	Bubbler (LEFT)
15	Kindergarten - CPU Room	Bubbler (RIGHT)
16	Kindergarten Global Study Bathroom	Hand Sink
17	Music Room	Gooseneck
18	Music Room	Bubbler
19	Hall Fountain (by music room)	Water Fountain
20	Boys Bathroom (Kindergarten Hall)	Hand Sink (LEFT)
21	Boys Bathroom (Kindergarten Hall)	Hand Sink (RIGHT)
22	Girls Bathroom (Kindergarten Hall)	Hand Sink (LEFT)
23	Girls Bathroom (Kindergarten Hall)	Hand Sink (RIGHT)
24	Cafeteria	Water Fountain
25	Kitchen - Serving Area	Hand Sink
26	Kitchen - Bathroom	Hand Sink
27	Kitchen Custodial Area (near bathroom)	Slop Sink
28	Kitchen - Tri Sink	Goosenck (LEFT)
29	Kitchen - Tri Sink	Gooseneck (RIGHT)
30	Kitchen - Double Sink	Gooseneck
31	Kitchen (across from double sink)	Hand Sink
32	Gym - Fountain by bathrooms	Water Fountain

Linthicum ES (1152) MARTEL LAB NO. 40005

101 School Lane, Linthicum, MD 21090

33	Gym Girls Bathroom	Hand Sink
34	Gym Boys Bathroom	Hand Sink
35	Gym Office Bathroom	Hand Sink
36	Hallway fountain (across from resource room)	Water Fountain
37	Media Center	Gooseneck (LEFT)
38	Media Center	Gooseneck (CENTER)
39	Media Center	Gooseneck (RIGHT)
40	C204	Gooseneck
41	C204	Bubbler
42	Girls Bathroom (across from rm C208)	Hand Sink (LEFT)
43	Girls Bathroom (across from rm C208)	Hand Sink (CENTER)
44	Girls Bathroom (across from rm C208)	Hand Sink (RIGHT)
45	C208 Custodial Closet	Slop Sink
46	Boys Bathroom (next to rm C208)	Hand Sink (LEFT)
47	Boys Bathroom (next to rm C208)	Hand Sink (CENTER)
48	Boys Bathroom (next to rm C208)	Hand Sink (RIGHT)
49	Bathroom (across from rm C214)	Hand Sink
50	Hallway Fountain (outside of rm C214)	Gooseneck (LEFT)
51	Hallway Fountain (outside of rm C214)	Bubbler (LEFT)
52	Hallway Fountain (outside of rm C214)	Gooseneck (RIGHT)
53	Hallway Fountain (outside of rm C214)	Bubbler (RIGHT)
54	C210	Gooseneck
55	C210	Bubbler
56	C214	Gooseneck
57	C214	Bubbler
58	C205	Gooseneck
59	C205	Bubbler
60	D204	Gooseneck
61	D204	Bubbler
62	Hallway Fountain (outside of rm D204)	Gooseneck (LEFT)
63	Hallway Fountain (outside of rm D204)	Bubbler (LEFT)
64	Hallway Fountain (outside of rm D204)	Gooseneck (RIGHT)
65	Hallway Fountain (outside of rm D204)	Bubbler (RIGHT)
66	Girls Bathroom (next to rm D205)	Hand Sink (LEFT)
67	Girls Bathroom (next to rm D205)	Hand Sink (CENTER)
68	Girls Bathroom (next to rm D205)	Hand Sink (RIGHT)
69	D208 Custodial Closet	Slop Sink
70	Boys Bathroom (across from D208)	Hand Sink (LEFT)
71	Boys Bathroom (across from D208)	Hand Sink (CENTER)
72	Boys Bathroom (across from D208)	Hand Sink (RIGHT)
73	Restroom (by D214)	Hand Sink
74	D210	Gooseneck
75	D210	Bubbler
76	D214	Gooseneck

Linthicum ES (1152) MARTEL LAB NO. 40005

101 School Lane, Linthicum, MD 21090

77		D214	Bubbler
78		D205	Gooseneck
79		D205	Bubbler
80		E204	Gooseneck
81		E204	Bubbler
82	Hall Fountain (by rm E204)		Gooseneck (LEFT)
83	Hall Fountain (by rm E204)		Bubbler (LEFT)
84	Hall Fountain (by rm E204)		Gooseneck (RIGHT)
85	Hall Fountain (by rm E204)		Bubbler (RIGHT)
86	Girls Bathroom (by rm E205)		Hand Sink (LEFT)
87	Girls Bathroom (by rm E205)		Hand Sink (CENTER)
88	Girls Bathroom (by rm E205)		Hand Sink (RIGHT)
89	Boys Bathroom (by rm E210)		Hand Sink (LEFT)
90	Boys Bathroom (by rm E210)		Hand Sink (CENTER)
91	Boys Bathroom (by rm E210)		Hand Sink (RIGHT)
92	E208 Custodial Closet		Slop Sink
93	Restroom (by E214)		Hand Sink
94		E210	Gooseneck
95		E210	Bubbler
96		E205	Gooseneck
97		E205	Bubbler
98		E214	Gooseneck
99		E214	Bubbler
100	Outside (see map)		Hose Bibb
101	Outside (see map)		Hose Bibb
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