

Lead in Drinking Water – Public and Nonpublic Schools

IMPORTANT NOTICE: ELEVATED WATER SAMPLE RESULT(S) **Central 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 October 9, 2018, **ninety-eight (98)** lead water samples were collected from **Central Elementary School**. Of these lead water samples, eight (8) 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 Central Elementary School were as follows:

Sample Number 000022-HB (across from Art) Bubbler: 29.3 ppb (consumable).
Sample Number 000041-Classroom 7 Bubbler-Left: 20.7 ppb (consumable).
Sample Number 000055-Classroom 11 Bubbler-Left: 32.5 ppb (consumable).
Sample Number 000059-Classroom 12 Bubbler-Left: 73.6 ppb (consumable).
Sample Number 000060-Classroom 12 Hand Sink: 81.7 ppb (non-consumable).
Sample Number 000069-Classroom 15 Bubbler-Left: 22.3 ppb (consumable).
Sample Number 000075-Classroom 20 Bubbler-Left: 48.4 ppb (consumable).
Sample Number 000099-Gym Girls Hand Sink: 36.2 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. Six (6) consumable water sources consisting of bubblers will be shut off immediately and retested.
2. Two (2) non-consumable water sources consisting of hand sinks will be posted with green signage indicating “Hand Washing Only” and retested.

NEXT STEPS

1. All eight (8) consumable and non-consumable water source plumbing fixtures 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.



AACPS - Operations Division
9034 Ft. Smallwood Road

Monday, October 22, 2018

Pasadena, MD 21122

Attention: Chris Williams

Certificate of Analysis
FINAL

Report for Lab No: 40048.

Central ES (4112).

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

P.O. Number: PO 9212

Sampling by Martel personnel on October 9, 2018 by Patrick Shannon.

MARTEL NO.	CLIENT SAMPLE IDENTIFICATION						Sample Date/Time
40048	000001	Old Health Room Hand Sink (HS)----{NO NC}					10/09/2018 05:00
Compound		Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial	
Lead		4.72	ug/l	EPA 200.8	2	10/18/2018 14:54 BJ	

MARTEL NO.	CLIENT SAMPLE IDENTIFICATION						Sample Date/Time
40048	000002	Old Health Room - Bathroom (BR) HS----{BS NC}					10/09/2018 05:01
Compound		Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial	
Lead		4.31	ug/l	EPA 200.8	2	10/18/2018 15:07 BJ	

MARTEL NO.	CLIENT SAMPLE IDENTIFICATION						Sample Date/Time
40048	000003	Main Office - BR HS----{BS NC}					10/09/2018 05:02
Compound		Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial	
Lead		<2	ug/l	EPA 200.8	2	10/18/2018 15:09 BJ	

MARTEL NO.	CLIENT SAMPLE IDENTIFICATION						Sample Date/Time
40048	000004	Women's BR (outside café) HS-Left (L)----{BS NC}					10/09/2018 05:03
Compound		Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial	
Lead		<2	ug/l	EPA 200.8	2	10/18/2018 15:12 BJ	

MARTEL NO.	CLIENT SAMPLE IDENTIFICATION						Sample Date/Time
40048	000005	Women's BR (outside café) HS-Right (R.)----{BS NC}					10/09/2018 05:04
Compound		Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial	
Lead		<2	ug/l	EPA 200.8	2	10/18/2018 15:14 BJ	

MARTEL NO.	CLIENT SAMPLE IDENTIFICATION						Sample Date/Time
40048	000006	Men's BR (outside café) HS-L----{BS NC}					10/09/2018 05:05
Compound		Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial	
Lead		<2	ug/l	EPA 200.8	2	10/18/2018 15:14 BJ	



MARTEL NO.	CLIENT SAMPLE IDENTIFICATION	Sample Date/Time
40048 000006	Men's BR (outside café) HS-L----[BS NC]	10/09/2018 05:05
Compound	Test Value Test Unit Method Detection Limit	Analysis Date/Time/Initial
Lead	<2 ug/l EPA 200.8 2	10/18/2018 15:17 BJ
40048 000007	Men's BR (outside café) HS-R----[BS NC]	10/09/2018 05:06
Compound	Test Value Test Unit Method Detection Limit	Analysis Date/Time/Initial
Lead	<2 ug/l EPA 200.8 2	10/18/2018 15:19 BJ
40048 000008	HE (across from office area) HS----[CR NC]	10/09/2018 05:07
Compound	Test Value Test Unit Method Detection Limit	Analysis Date/Time/Initial
Lead	<2 ug/l EPA 200.8 2	10/18/2018 15:22 BJ
40048 000009	HE (across from office area) Bubbler (B)----[DF C]	10/09/2018 05:08
Compound	Test Value Test Unit Method Detection Limit	Analysis Date/Time/Initial
Lead	3.25 ug/l EPA 200.8 2	10/18/2018 15:24 BJ
40048 000010	HE (across from office area) Girls BR HS----[BS NC]	10/09/2018 05:09
Compound	Test Value Test Unit Method Detection Limit	Analysis Date/Time/Initial
Lead	<2 ug/l EPA 200.8 2	10/18/2018 15:26 BJ
40048 000011	HE (across from office area) Boys BR HS----[BS NC]	10/09/2018 05:10
Compound	Test Value Test Unit Method Detection Limit	Analysis Date/Time/Initial
Lead	<2 ug/l EPA 200.8 2	10/18/2018 15:37 BJ
40048 000012	Staff Lounge - Women's BR HS----[BS NC]	10/09/2018 05:11
Compound	Test Value Test Unit Method Detection Limit	Analysis Date/Time/Initial
Lead	<2 ug/l EPA 200.8 2	10/18/2018 15:42 BJ
40048 000013	Staff Lounge - Men's BR HS----[BS NC]	10/09/2018 05:12
Compound	Test Value Test Unit Method Detection Limit	Analysis Date/Time/Initial
Lead	2.13 ug/l EPA 200.8 2	10/18/2018 15:44 BJ



MARTEL NO.	CLIENT SAMPLE IDENTIFICATION		Sample Date/Time
40048	000014	Staff Lounge HS---{TL C}	10/09/2018 05:13
Compound	Test Value	Test Unit	Method
Lead	3.65	ug/l	EPA 200.8
			Detection Limit
			2
			Analysis Date/Time/Initial
			10/18/2018 15:47 BJ
40048	000015	Art Room HS-L---{CR NC}	10/09/2018 05:14
Compound	Test Value	Test Unit	Method
Lead	6.53	ug/l	EPA 200.8
			Detection Limit
			2
			Analysis Date/Time/Initial
			10/18/2018 15:49 BJ
40048	000016	Art Room HS-Center (C.)---{CR NC}	10/09/2018 05:15
Compound	Test Value	Test Unit	Method
Lead	<2	ug/l	EPA 200.8
			Detection Limit
			2
			Analysis Date/Time/Initial
			10/18/2018 15:52 BJ
40048	000017	Art Room HS-R---{CR NC}	10/09/2018 05:16
Compound	Test Value	Test Unit	Method
Lead	2.66	ug/l	EPA 200.8
			Detection Limit
			2
			Analysis Date/Time/Initial
			10/18/2018 15:54 BJ
40048	000018	Health Room BR HS---{BS NC}	10/09/2018 05:17
Compound	Test Value	Test Unit	Method
Lead	2.36	ug/l	EPA 200.8
			Detection Limit
			2
			Analysis Date/Time/Initial
			10/18/2018 15:57 BJ
40048	000019	Health Room HS---{CR NC}	10/09/2018 05:18
Compound	Test Value	Test Unit	Method
Lead	<2	ug/l	EPA 200.8
			Detection Limit
			2
			Analysis Date/Time/Initial
			10/18/2018 15:59 BJ
40048	000020	Health Room B---{DF C}	10/09/2018 05:00
Compound	Test Value	Test Unit	Method
Lead	non	operational	EPA 200.8
			Detection Limit
			2
			Analysis Date/Time/Initial
			//
40048	000021	HB (across from Art) HS---{CR NC}	10/09/2018 05:19
Compound	Test Value	Test Unit	Method
Lead	4.27	ug/l	EPA 200.8
			Detection Limit
			2
			Analysis Date/Time/Initial
			10/18/2018 16:07 BJ



MARTEL NO.	CLIENT SAMPLE IDENTIFICATION		Sample Date/Time			
40048	000022	HB (across from Art) B----{DF C}	10/09/2018 05:20			
Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial	
Lead	29.3	ug/l*	EPA 200.8	2	10/18/2018 16:14 BJ	

MARTEL NO.	CLIENT SAMPLE IDENTIFICATION		Sample Date/Time			
40048	000023	Classroom 30 HS----{CR NC}	10/09/2018 05:25			
Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial	
Lead	<2	ug/l	EPA 200.8	2	10/18/2018 16:17 BJ	

MARTEL NO.	CLIENT SAMPLE IDENTIFICATION		Sample Date/Time			
40048	000024	Classroom 30 B----{DF C}	10/09/2018 05:25			
Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial	
Lead	<2	ug/l	EPA 200.8	2	10/18/2018 16:19 BJ	

MARTEL NO.	CLIENT SAMPLE IDENTIFICATION		Sample Date/Time			
40048	000025	Classroom 30 BR HS----{BS NC}	10/09/2018 05:25			
Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial	
Lead	<2	ug/l	EPA 200.8	2	10/18/2018 16:22 BJ	

MARTEL NO.	CLIENT SAMPLE IDENTIFICATION		Sample Date/Time			
40048	000026	Classroom 31 HS----{CR NC}	10/09/2018 05:26			
Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial	
Lead	<2	ug/l	EPA 200.8	2	10/18/2018 16:24 BJ	

MARTEL NO.	CLIENT SAMPLE IDENTIFICATION		Sample Date/Time			
40048	000027	Classroom 31 B----{DF C}	10/09/2018 05:26			
Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial	
Lead	<2	ug/l	EPA 200.8	2	10/18/2018 16:27 BJ	

MARTEL NO.	CLIENT SAMPLE IDENTIFICATION		Sample Date/Time			
40048	000028	Classroom 31 BR HS----{BS NC}	10/09/2018 05:26			
Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial	
Lead	2.85	ug/l	EPA 200.8	2	10/18/2018 16:29 BJ	

MARTEL NO.	CLIENT SAMPLE IDENTIFICATION		Sample Date/Time			
40048	000029	Classroom 32 HS----{CR NC}	10/09/2018 05:27			
Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial	
Lead	<2	ug/l	EPA 200.8	2	10/18/2018 16:32 BJ	

MARTEL NO.	CLIENT SAMPLE IDENTIFICATION				Sample Date/Time
40048 000030	Classroom 32 B----[DF C]				10/09/2018 05:27
Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA 200.8	2	10/18/2018 16:34 BJ

MARTEL NO.	CLIENT SAMPLE IDENTIFICATION				Sample Date/Time
40048 000031	Classroom 32 BR HS----[BS NC]				10/09/2018 05:27
Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	2.55	ug/l	EPA 200.8	2	10/18/2018 16:44 BJ

MARTEL NO.	CLIENT SAMPLE IDENTIFICATION				Sample Date/Time
40048 000032	Classroom 33 HS----[CR NC]				10/09/2018 05:28
Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA 200.8	2	10/18/2018 16:49 BJ

MARTEL NO.	CLIENT SAMPLE IDENTIFICATION				Sample Date/Time
40048 000033	Classroom 33 B----[DF C]				10/09/2018 05:28
Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA 200.8	2	10/18/2018 16:52 BJ

MARTEL NO.	CLIENT SAMPLE IDENTIFICATION				Sample Date/Time
40048 000034	Classroom 33 BR HS----[BS NC]				10/09/2018 05:28
Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	2.90	ug/l	EPA 200.8	2	10/18/2018 16:54 BJ

MARTEL NO.	CLIENT SAMPLE IDENTIFICATION				Sample Date/Time
40048 000035	Classroom 34 HS----[CR NC]				10/09/2018 05:29
Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	17.8	ug/l	EPA 200.8	2	10/18/2018 16:56 BJ

MARTEL NO.	CLIENT SAMPLE IDENTIFICATION				Sample Date/Time
40048 000036	Classroom 34 B----[DF C]				10/09/2018 05:29
Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA 200.8	2	10/18/2018 16:59 BJ

MARTEL NO.	CLIENT SAMPLE IDENTIFICATION				Sample Date/Time
40048 000037	Classroom 34 BR HS----[BS NC]				10/09/2018 05:29
Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA 200.8	2	10/18/2018 17:02 BJ



MARTEL NO.	CLIENT SAMPLE IDENTIFICATION		Sample Date/Time			
40048	000038	Classroom 35 HS----{CR NC}	10/09/2018 05:30			
Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial	
Lead	<2	ug/l	EPA 200.8	2	10/18/2018 17:04 BJ	

MARTEL NO.	CLIENT SAMPLE IDENTIFICATION		Sample Date/Time			
40048	000039	Classroom 35 B----{DF C}	10/09/2018 05:31			
Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial	
Lead	<2	ug/l	EPA 200.8	2	10/18/2018 17:06 BJ	

MARTEL NO.	CLIENT SAMPLE IDENTIFICATION		Sample Date/Time			
40048	000040	Classroom 35 BR HS----{BS NC}	10/09/2018 05:32			
Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial	
Lead	<2	ug/l	EPA 200.8	2	10/18/2018 17:09 BJ	

MARTEL NO.	CLIENT SAMPLE IDENTIFICATION		Sample Date/Time			
40048	000041	Classroom 7 B-L----{DF C}	10/09/2018 05:33			
Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial	
Lead	20.7	ug/l*	EPA 200.8	2	10/18/2018 17:16 BJ	

MARTEL NO.	CLIENT SAMPLE IDENTIFICATION		Sample Date/Time			
40048	000042	Classroom 7 HS----{CR NC}	10/09/2018 05:34			
Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial	
Lead	4.46	ug/l	EPA 200.8	2	10/18/2018 17:24 BJ	

MARTEL NO.	CLIENT SAMPLE IDENTIFICATION		Sample Date/Time			
40048	000043	Classroom 7 B-R----{DF C}	10/09/2018 05:35			
Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial	
Lead	6.45	ug/l	EPA 200.8	2	10/18/2018 17:26 BJ	

MARTEL NO.	CLIENT SAMPLE IDENTIFICATION		Sample Date/Time			
40048	000044	Restroom (outside 7) HS----{CR NC}	10/09/2018 05:36			
Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial	
Lead	<2	ug/l	EPA 200.8	2	10/18/2018 17:29 BJ	

MARTEL NO.	CLIENT SAMPLE IDENTIFICATION		Sample Date/Time			
40048	000045	Hall Fountain (outside 7) Drinking Fountain (DF)----{DF C}	10/09/2018 05:37			
Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial	
Lead	<2	ug/l	EPA 200.8	2	10/18/2018 17:31 BJ	



MARTEL NO.	CLIENT SAMPLE IDENTIFICATION		Sample Date/Time			
40048	000046	Classroom 8 B-L----{DF C}	10/09/2018 05:38			
Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial	
Lead	18.2	ug/l	EPA 200.8	2	10/18/2018 17:34 BJ	
40048	000047	Classroom 8 HS----{CR NC}	10/09/2018 05:39			
Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial	
Lead	<2	ug/l	EPA 200.8	2	10/18/2018 17:36 BJ	
40048	000048	Classroom 8 B-R----{DF C}	10/09/2018 05:40			
Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial	
Lead	2.52	ug/l	EPA 200.8	2	10/18/2018 17:39 BJ	
40048	000049	Boys (across from 8) HS-L----{BS NC}	10/09/2018 05:41			
Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial	
Lead	<2	ug/l	EPA 200.8	2	10/18/2018 17:41 BJ	
40048	000050	Boys (across from 8) HS-C----{BS NC}	10/09/2018 05:42			
Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial	
Lead	<2	ug/l	EPA 200.8	2	10/18/2018 17:44 BJ	
40048	000051	Boys (across from 8) HS-R----{BS NC}	10/09/2018 05:43			
Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial	
Lead	<2	ug/l	EPA 200.8	2	10/18/2018 17:54 BJ	
40048	000052	Girls (next to 4) HS-L----{BS NC}	10/09/2018 05:44			
Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial	
Lead	<2	ug/l	EPA 200.8	2	10/18/2018 17:59 BJ	
40048	000053	Girls (next to 4) HS-C----{BS NC}	10/09/2018 05:46			
Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial	
Lead	<2	ug/l	EPA 200.8	2	10/18/2018 18:01 BJ	



MARTEL NO.	CLIENT SAMPLE IDENTIFICATION		Sample Date/Time			
40048	000054	Girls (next to 4) HS-R----[BS NC]	10/09/2018 05:47			
Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial	
Lead	<2	ug/l	EPA 200.8	2	10/18/2018 18:04 BJ	

MARTEL NO.	CLIENT SAMPLE IDENTIFICATION		Sample Date/Time			
40048	000055	Classroom 11 B-L----[DF C]	10/09/2018 05:48			
Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial	
Lead	32.5	ug/l*	EPA 200.8	2	10/18/2018 18:06 BJ	

MARTEL NO.	CLIENT SAMPLE IDENTIFICATION		Sample Date/Time			
40048	000056	Classroom 11 HS----[CR NC]	10/09/2018 05:49			
Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial	
Lead	2.56	ug/l	EPA 200.8	2	10/18/2018 18:09 BJ	

MARTEL NO.	CLIENT SAMPLE IDENTIFICATION		Sample Date/Time			
40048	000057	Classroom 11 B-R----[DF C]	10/09/2018 05:50			
Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial	
Lead	2.09	ug/l	EPA 200.8	2	10/18/2018 18:11 BJ	

MARTEL NO.	CLIENT SAMPLE IDENTIFICATION		Sample Date/Time			
40048	000058	Restroom (outside 11) HS----[BS NC]	10/09/2018 05:51			
Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial	
Lead	2.73	ug/l	EPA 200.8	2	10/18/2018 18:14 BJ	

MARTEL NO.	CLIENT SAMPLE IDENTIFICATION		Sample Date/Time			
40048	000059	Classroom 12 B-L----[DF C]	10/09/2018 05:52			
Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial	
Lead	73.6	ug/l*	EPA 200.8	2	10/18/2018 18:16 BJ	

MARTEL NO.	CLIENT SAMPLE IDENTIFICATION		Sample Date/Time			
40048	000060	Classroom 12 HS----[CR NC]	10/09/2018 05:53			
Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial	
Lead	81.7	ug/l*	EPA 200.8	2	10/18/2018 18:19 BJ	

MARTEL NO.	CLIENT SAMPLE IDENTIFICATION		Sample Date/Time			
40048	000061	Classroom 12 B-R----[DF C]	10/09/2018 05:54			
Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial	
Lead	4.35	ug/l	EPA 200.8	2	10/18/2018 18:27 BJ	



MARTEL NO.	CLIENT SAMPLE IDENTIFICATION	Sample Date/Time
40048 000062	Girls (outside 12) HS-L----{BS NC}	10/09/2018 05:55
Compound	Test Value Test Unit Method Detection Limit	Analysis Date/Time/Initial
Lead	3.61 ug/l EPA 200.8 2	10/18/2018 18:34 BJ
40048 000063	Girls (outside 12) HS-C----{BS NC}	10/09/2018 05:56
Compound	Test Value Test Unit Method Detection Limit	Analysis Date/Time/Initial
Lead	<2 ug/l EPA 200.8 2	10/18/2018 18:37 BJ
40048 000064	Girls (outside 12) HS-R----{BS NC}	10/09/2018 05:59
Compound	Test Value Test Unit Method Detection Limit	Analysis Date/Time/Initial
Lead	6.39 ug/l EPA 200.8 2	10/18/2018 18:39 BJ
40048 000065	Boys (across from 16) HS-L----{BS NC}	10/09/2018 05:58
Compound	Test Value Test Unit Method Detection Limit	Analysis Date/Time/Initial
Lead	2.23 ug/l EPA 200.8 2	10/18/2018 18:42 BJ
40048 000066	Boys (across from 16) HS-C----{BS NC}	10/09/2018 05:59
Compound	Test Value Test Unit Method Detection Limit	Analysis Date/Time/Initial
Lead	4.65 ug/l EPA 200.8 2	10/18/2018 18:44 BJ
40048 000067	Boys (across from 16) HS-R----{BS NC}	10/09/2018 06:00
Compound	Test Value Test Unit Method Detection Limit	Analysis Date/Time/Initial
Lead	5.00 ug/l EPA 200.8 2	10/18/2018 18:47 BJ
40048 000068	Hall Fountain (across from Girls) DF----{DF C}	10/09/2018 06:01
Compound	Test Value Test Unit Method Detection Limit	Analysis Date/Time/Initial
Lead	<2 ug/l EPA 200.8 2	10/18/2018 18:49 BJ
40048 000069	Classroom 15 B-L----{DF C}	10/09/2018 06:02
Compound	Test Value Test Unit Method Detection Limit	Analysis Date/Time/Initial
Lead	22.3 ug/l* EPA 200.8 2	10/18/2018 18:52 BJ



MARTEL NO.	CLIENT SAMPLE IDENTIFICATION		Sample Date/Time			
40048	000070	Classroom 15 HS----[CR NC]	10/09/2018 06:03			
Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial	
Lead	<2	ug/l	EPA 200.8	2	10/18/2018 18:54 BJ	

MARTEL NO.	CLIENT SAMPLE IDENTIFICATION		Sample Date/Time			
40048	000071	Classroom 15 B-R----[DF C]	10/09/2018 06:04			
Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial	
Lead	5.86	ug/l	EPA 200.8	2	10/18/2018 19:04 BJ	

MARTEL NO.	CLIENT SAMPLE IDENTIFICATION		Sample Date/Time			
40048	000072	Classroom 19 B-L----[DF C]	10/09/2018 06:05			
Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial	
Lead	4.44	ug/l	EPA 200.8	2	10/18/2018 19:09 BJ	

MARTEL NO.	CLIENT SAMPLE IDENTIFICATION		Sample Date/Time			
40048	000073	Classroom 19 HS----[CR NC]	10/09/2018 06:06			
Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial	
Lead	<2	ug/l	EPA 200.8	2	10/18/2018 19:12 BJ	

MARTEL NO.	CLIENT SAMPLE IDENTIFICATION		Sample Date/Time			
40048	000074	Classroom 19 B-R----[DF C]	10/09/2018 06:07			
Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial	
Lead	3.14	ug/l	EPA 200.8	2	10/18/2018 19:14 BJ	

MARTEL NO.	CLIENT SAMPLE IDENTIFICATION		Sample Date/Time			
40048	000075	Classroom 20 B-L----[DF C]	10/09/2018 06:08			
Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial	
Lead	48.4	ug/l*	EPA 200.8	2	10/18/2018 19:17 BJ	

MARTEL NO.	CLIENT SAMPLE IDENTIFICATION		Sample Date/Time			
40048	000076	Classroom 20 HS----[CR NC]	10/09/2018 06:09			
Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial	
Lead	<2	ug/l	EPA 200.8	2	10/18/2018 19:19 BJ	

MARTEL NO.	CLIENT SAMPLE IDENTIFICATION		Sample Date/Time			
40048	000077	Classroom 20 B-R----[DF C]	10/09/2018 06:10			
Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial	
Lead	7.38	ug/l	EPA 200.8	2	10/18/2018 19:22 BJ	



MARTEL NO.	CLIENT SAMPLE IDENTIFICATION				Sample Date/Time
40048 000078	Hall Fountain (across from 20) DF----{DF C}				10/09/2018 06:11
Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA 200.8	2	10/18/2018 19:24 BJ

MARTEL NO.	CLIENT SAMPLE IDENTIFICATION				Sample Date/Time
40048 000079	Restroom (across from 20) HS----{BS NC}				10/09/2018 06:12
Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	3.09	ug/l	EPA 200.8	2	10/18/2018 19:27 BJ

MARTEL NO.	CLIENT SAMPLE IDENTIFICATION				Sample Date/Time
40048 000080	Girls (outside 20) HS-L----{BS NC}				10/09/2018 06:13
Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	6.33	ug/l	EPA 200.8	2	10/18/2018 19:29 BJ

MARTEL NO.	CLIENT SAMPLE IDENTIFICATION				Sample Date/Time
40048 000081	Girls (outside 20) HS-C----{BS NC}				10/09/2018 06:14
Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA 200.8	2	10/18/2018 19:37 BJ

MARTEL NO.	CLIENT SAMPLE IDENTIFICATION				Sample Date/Time
40048 000082	Girls (outside 20) HS-R----{BS NC}				10/09/2018 06:15
Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	2.42	ug/l	EPA 200.8	2	10/18/2018 19:44 BJ

MARTEL NO.	CLIENT SAMPLE IDENTIFICATION				Sample Date/Time
40048 000083	Boys (across from 24) HS--L----{BS NC}				10/09/2018 06:15
Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	6.46	ug/l	EPA 200.8	2	10/18/2018 19:47 BJ

MARTEL NO.	CLIENT SAMPLE IDENTIFICATION				Sample Date/Time
40048 000084	Boys (across from 24) HS-C----{BS NC}				10/09/2018 06:16
Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	3.10	ug/l	EPA 200.8	2	10/18/2018 19:50 BJ

MARTEL NO.	CLIENT SAMPLE IDENTIFICATION				Sample Date/Time
40048 000085	Boys (across from 24) HS-R----{BS NC}				10/09/2018 06:17
Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA 200.8	2	10/18/2018 19:52 BJ



MARTEL NO.	CLIENT SAMPLE IDENTIFICATION		Sample Date/Time			
40048	000086	Classroom 24 HS-L----{CR NC}	10/09/2018 06:18			
Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial	
Lead	17.6	ug/l	EPA 200.8	2	10/18/2018 19:55 BJ	
40048	000087	Classroom 24 HS-R----{CR NC}	10/09/2018 06:19			
Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial	
Lead	3.22	ug/l	EPA 200.8	2	10/18/2018 19:57 BJ	
40048	000088	Classroom 24 B----{DF C}	10/09/2018 06:20			
Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial	
Lead	17.6	ug/l	EPA 200.8	2	10/18/2018 20:00 BJ	
40048	000089	Café Fountain DF----{DF C}	10/09/2018 06:20			
Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial	
Lead	<2	ug/l	EPA 200.8	2	10/18/2018 20:02 BJ	
40048	000090	Kitchen Dual Sink Sink----{KS C}	10/09/2018 06:21			
Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial	
Lead	2.35	ug/l	EPA 200.8	2	10/18/2018 20:05 BJ	
40048	000091	Kitchen Hand Sink (across from dual) HS----{KS NC}	10/09/2018 06:22			
Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial	
Lead	<2	ug/l	EPA 200.8	2	10/18/2018 20:15 BJ	
40048	000092	Kitchen Tri-Sink Sink Left----{KS C}	10/09/2018 06:23			
Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial	
Lead	<2	ug/l	EPA 200.8	2	10/18/2018 20:20 BJ	
40048	000093	Kitchen Tri-Sink Sink Right----{KS C}	10/09/2018 06:24			
Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial	
Lead	<2	ug/l	EPA 200.8	2	10/18/2018 20:22 BJ	



MARTEL NO.	CLIENT SAMPLE IDENTIFICATION	Sample Date/Time			
40048 000094	Kitchen BR HS----{BS NC}	10/09/2018 06:25			
Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	3.12	ug/l	EPA 200.8	2	10/18/2018 20:25 BJ

MARTEL NO.	CLIENT SAMPLE IDENTIFICATION	Sample Date/Time			
40048 000095	Kitchen sprayer (across from dual) Sprayer----{OT C}	10/09/2018 06:26			
Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	17.9	ug/l	EPA 200.8	2	10/18/2018 20:27 BJ

MARTEL NO.	CLIENT SAMPLE IDENTIFICATION	Sample Date/Time			
40048 000096	Gym Office BR HS----{BS NC}	10/09/2018 06:27			
Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	5.10	ug/l	EPA 200.8	2	10/18/2018 20:30 BJ

MARTEL NO.	CLIENT SAMPLE IDENTIFICATION	Sample Date/Time			
40048 000097	Gym Fountain DF----{DF C}	10/09/2018 06:30			
Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA 200.8	2	10/18/2018 20:32 BJ

MARTEL NO.	CLIENT SAMPLE IDENTIFICATION	Sample Date/Time			
40048 000098	Gym Boys HS----{BS NC}	10/09/2018 06:31			
Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	12.8	ug/l	EPA 200.8	2	10/18/2018 20:35 BJ

MARTEL NO.	CLIENT SAMPLE IDENTIFICATION	Sample Date/Time			
40048 000099	Gym Girls HS----{BS NC}	10/09/2018 06:32			
Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	36.2	ug/l*	EPA 200.8	2	10/18/2018 20:37 BJ



Martel Laboratories JDS Inc.

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

Anne Arundel County Public Schools Drinking Water Lead Testing

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

Start Date/Time: 10-9 5:00 A End Date/Time: 10-9 6:30 A

Sampler/Relinquished By:  Received at Martel by  Date/Time: 10-9 10:20

Central ES (4112) Martel No. 40048

130 Stepney Ln, Edgewater, MD 21037

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

Sample #	Room #	Fixture Type <small>(Sink, Bubbler, Water Fountain, Gooseneck, Ice Machine, etc.)</small>	Outlet Key Codes	Consumption CAR/NCZ	Time/notes
1 /	Old Health Room	Hand Sink (HS)	NO	NC	5:00
2 /	Old Health Room - Bathroom (BR)	HS	BS	NC	5:01
3 /	Main Office - BR	HS	BS	NC	5:02
4	Women's BR (outside café)	HS-Left (L)	BS	NC	5:03
5	Women's BR (outside café)	HS-Right (R.)	BS	NC	5:04
6	Men's BR (outside café) ✓	HS-L	BS	NC	5:05
7	Men's BR (outside café) ✓	HS-R	BS	NC	5:06
8	HE (across from office area) ✓	HS	CR	NC	5:07
9	HE (across from office area) ✓	Bubbler (B)	DF	C	5:08
10	HE (across from office area) Girls BR ✓	HS	BS	NC	5:09
11	HE (across from office area) Boys BR ✓	HS	BS	NC	5:10
12	Staff Lounge - Women's BR ✓	HS	BS	NC	5:11
13	Staff Lounge - Men's BR ✓	HS	BS	NC	5:12
14	Staff Lounge ✓	HS	TL	C	5:13
15	Art Room ✓	HS-L	CR	NC	5:14
16	Art Room ✓	HS-Center (C.)	CR	NC	5:15
17	Art Room ✓	HS-R	CR	NC	5:16
18	Health Room BR ✓	HS	BS	NC	5:17
19	Health Room ✓	HS	CR	NC	5:18
20	Health Room N/A	B	DF	C	N/A
21	HB (across from Art) ✓	HS	CR	NC	5:19
22	HB (across from Art) ✓	B	DF	C	5:20
23	Classroom 30 ✓	HS	CR	NC	5:25
24	Classroom 30 ✓	B	DF	C	5:25
25	Classroom 30 BR ✓	HS	BS	NC	5:25

Central ES (4112) Martel No. 40048

130 Stepney Ln, Edgewater, MD 21037

26	Classroom 31 ✓	HS	CR	NC	5:26
27	Classroom 31 ✓	B	DF	C	5:26
28	Classroom 31 BR ✓	HS	BS	NC	5:26
29	Classroom 32 ✓	HS	CR	NC	5:27
30	Classroom 32 ✓	B	DF	C	5:27
31	Classroom 32 BR ✓	HS	BS	NC	5:27
32	Classroom 33 ✓	HS	CR	NC	5:28
33	Classroom 33 ✓	B	DF	C	5:28
34	Classroom 33 BR ✓	HS	BS	NC	5:28
35	U.I.F. Classroom 34 ✓	HS	CR	NC	5:29
36	Classroom 34 ✓	B	DF	C	5:29
37	Classroom 34 BR ✓	HS	BS	NC	5:29
38	Classroom 35 ✓	HS	CR	NC	5:30
39	Classroom 35 ✓	B	DF	C	5:31
40	Classroom 35 BR ✓	HS	BS	NC	5:32
41	Classroom 7 ✓	B-L	DF	C	5:33
42	Classroom 7 ✓	HS	CR	NC	5:34
43	Classroom 7 ✓	B-R	DF	C	5:35
44	Restroom (outside 7)	HS	CR	NC	5:36
45	Hall Fountain (outside 7) ✓	Drinking Fountain (DF)	DF	C	5:37
46	Classroom 8 ✓	B-L	DF	C	5:38
47	Classroom 8 ✓	HS	CR	NC	5:39
48	Classroom 8 ✓	B-R	DF	C	5:40
49	Boys (across from 8) ✓	HS-L	BS	NC	5:41
50	Boys (across from 8) ✓	HS-C	BS	NC	5:42
51	Boys (across from 8) ✓	HS-R	BS	NC	5:43
52	Girls (next to 4) ✓	HS-L	BS	NC	5:44
53	Girls (next to 4) ✓	HS-C	BS	NC	5:46
54	Girls (next to 4) ✓	HS-R	BS	NC	5:47
55	Classroom 11 ✓	B-L	DF	C	5:48
56	Classroom 11 ✓	HS	CR	NC	5:49
57	Classroom 11 ✓	B-R	DF	C	5:50
58	Restroom (outside 11) ✓	HS	BS	NC	5:51
59	Classroom 12 ✓	B-L	DF	C	5:52
60	Classroom 12 ✓	HS	CR	NC	5:53
61	Classroom 12 ✓	B-R	DF	C	5:54

Central ES (4112) Martel No. 40048

130 Stepney Ln, Edgewater, MD 21037

62	Girls (outside 12) ✓	HS-L	BS	NC	6:55
63	Girls (outside 12) ✓	HS-C	BS	NC	6:56
64	Girls (outside 12) ✓	HS-R	BS	NC	6:59
65	Boys (across from 16) ✓	HS-L	BS	NC	6:58
66	Boys (across from 16) ✓	HS-C	BS	NC	6:59
67	Boys (across from 16) ✓	HS-R	BS	NC	6:00
68	Hall Fountain (across from Girls) ✓	DF	DF	C	6:01
69	Classroom 15 ✓	B-L	DF	C	6:02
70	Classroom 15 ✓	HS	CR	NC	6:03
71	Classroom 15 ✓	B-R	DF	C	6:04
72	Classroom 19 ✓	B-L	DF	C	6:05
73	Classroom 19 ✓	HS	CR	NC	6:06
74	Classroom 19 ✓	B-R	DF	C	6:07
75	Classroom 20 ✓	B-L	DF	C	6:08
76	Classroom 20 ✓	HS	CR	NC	6:09
77	Classroom 20 ✓	B-R	DF	C	6:10
78	Hall Fountain (across from 20) ✓	DF	DF	C	6:11
79	Restroom (across from 20) ✓	HS	BS	NC	6:12
80	Girls (outside 20) ✓	HS-L	BS	NC	6:13
81	Girls (outside 20) ✓	HS-C	BS	NC	6:14
82	Girls (outside 20) ✓	HS-R	BS	NC	6:15
83	Boys (across from 24) ✓	HS-L	BS	NC	6:15
84	Boys (across from 24) ✓	HS-C	BS	NC	6:16
85	Boys (across from 24) ✓	HS-R	BS	NC	6:17
86	Classroom 24 ✓	HS-L	CR	NC	6:18
87	Classroom 24 ✓	HS-R	CR	NC	6:19
88	Classroom 24 ✓	B	DF	C	6:20
89	Café Fountain ✓	DF	DF	C	6:20
90	Kitchen Dual Sink ✓	Sink	KS	C	6:21
91	Kitchen Hand Sink (across from dual) ✓	HS	KS	NC	6:22
92	Kitchen Tri-Sink ✓	Sink Left	KS	C	6:23
93	Kitchen Tri-Sink ✓	Sink Right	KS	C	6:24
94	Kitchen BR ✓	HS	BS	NC	6:25
95	Kitchen sprayer (across from dual) ✓	Sprayer	OT	C	6:26
96	Gym Office BR ✓	HS	BS	NC	6:27
97	Gym Fountain ✓	DF	DF	C	6:30

Central ES (4112) Martel No. 40048

130 Stepney Ln, Edgewater, MD 21037

98	Gym Boys ✓	HS	BS	NC	6:31
99	Gym Girls ✓	HS	BS	NC	6:32