

Lead in Drinking Water – Public and Nonpublic Schools

IMPORTANT NOTICE: ELEVATED WATER SAMPLE RESULT(S) **Crofton Woods 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 November 15, 2018, **one hundred (100)** lead water samples were collected from **Crofton Woods Elementary School**. Of these lead water samples, two (2) had levels of lead exceeding the action level of 20 parts per billion (ppb) for lead in drinking water in school buildings. The elevated lead result from the sample(s) collected at Crofton Woods Elementary School were as follows:

Sample Number 000086-Art Hand Sink-Center: 22 ppb (non-consumable).

Sample Number 000090-Pine Lodge (closest to Office) Drinking Fountain: 95.8 ppb (consumable).

ACTION LEVEL (AL)

The AL is 20 ppb for lead in drinking water in school buildings. The AL is the concentration of lead which, if exceeded, triggers required remediation.

HEALTH EFFECTS OF LEAD

Lead can cause serious health problems if too much enters your body from drinking water or other sources. It can cause damage to the brain and kidneys and can interfere with the production of red blood cells that carry oxygen to all parts of your body. The greatest risk of lead exposure is to infants, young children, and pregnant women. Lead is stored in the bones and it can be released later in life. During pregnancy, the fetus receives lead from the mother's bones, which may affect brain development. Scientists have linked the effects of lead on the brain with lowered IQ in children. Adults with kidney problems and high blood pressure can be affected by low levels of lead more than healthy adults.

SOURCES OF HUMAN EXPOSURE TO LEAD

There are many different sources of human exposure to lead. These include: lead-based paint, lead-contaminated dust or soil, some plumbing materials, certain types of pottery, pewter, brass fixtures, food, and cosmetics, exposure in the 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. One (1) consumable water source consisting of a drinking fountain will be shut off immediately and retested.
2. One (1) non-consumable water source consisting of a hand sink will be marked with signage indicating for "Hand Washing Only" and retested.

NEXT STEPS

1. Two (2) consumable and non-consumable water sources will be replaced and retested in accordance with the regulations.

TO REDUCE EXPOSURE TO LEAD IN DRINKING WATER:

1. Run your water to flush out lead: If water hasn't been used for several hours, run water for 15 to 30 seconds or until it becomes cold or reaches a steady temperature before using it for drinking or cooking.
2. Use cold water for cooking and preparing baby formula: Lead from the plumbing dissolves more easily into hot water.

Please note that boiling the water will not reduce lead levels.

ADDITIONAL INFORMATION

1. For additional information, please contact Chris Williams, Environmental Issues Program Manager, at 410-360-0138. For additional information on reducing lead exposure around your home/building and the health effects of lead, visit EPA's website at www.epa.gov/lead. If you are concerned about exposure; contact your local health department or healthcare provider to find out how you can get your child tested for lead.

MARTEL



AACPS - Operations Division
9034 Ft. Smallwood Road

Monday, January 21, 2019

Pasadena, MD 21122

Attention: Chris Williams; Brian Wells

Certificate of Analysis
FINAL

Report for Lab No: 40077.

Crofton Woods ES (3082)

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

P.O. Number: PO 9212

Sampling by Martel personnel on November 15, 2018.

MARTEL NO.	CLIENT SAMPLE IDENTIFICATION	Sample Date/Time
40077 000001	Health Room Hand Sink (HS) [NO--C]	11/15/2018 05:00
Compound	Test Value Test Unit Method Detection Limit	Analysis Date/Time/Initial
Lead	<2 ug/l EPA .200.8 2	01/16/2019 16:12 BJ
40077 000002	Health Room-Bathroom (BR) HS [BS--NC]	11/15/2018 05:00
Compound	Test Value Test Unit Method Detection Limit	Analysis Date/Time/Initial
Lead	<2 ug/l EPA .200.8 2	01/16/2019 16:24 BJ
40077 000003	Main Office BR HS [BS--NC]	11/15/2018 05:00
Compound	Test Value Test Unit Method Detection Limit	Analysis Date/Time/Initial
Lead	<2 ug/l EPA .200.8 2	01/16/2019 16:27 BJ
40077 000004	Staff Lounge Women's BR HS [BS--NC]	11/15/2018 05:00
Compound	Test Value Test Unit Method Detection Limit	Analysis Date/Time/Initial
Lead	<2 ug/l EPA .200.8 2	01/16/2019 16:29 BJ
40077 000005	Staff Lounge Men's BR HS [BS--NC]	11/15/2018 05:00
Compound	Test Value Test Unit Method Detection Limit	Analysis Date/Time/Initial
Lead	<2 ug/l EPA .200.8 2	01/16/2019 16:32 BJ
40077 000006	Staff Lounge HS [TL--C]	11/15/2018 05:00
Compound	Test Value Test Unit Method Detection Limit	Analysis Date/Time/Initial



MARTEL NO. 40077 000006 CLIENT SAMPLE IDENTIFICATION Staff Lounge HS [TL--C] Sample Date/Time 11/15/2018 05:00

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	01/16/2019 16:34 BJ

MARTEL NO. 40077 000007 CLIENT SAMPLE IDENTIFICATION 3 Bubbler (B)-Left (L) [DF--C] Sample Date/Time 11/15/2018 05:05

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	2.08	ug/l	EPA .200.8	2	01/16/2019 16:37 BJ

MARTEL NO. 40077 000008 CLIENT SAMPLE IDENTIFICATION 3 HS [CR--NC] Sample Date/Time 11/15/2018 05:05

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	01/16/2019 16:39 BJ

MARTEL NO. 40077 000009 CLIENT SAMPLE IDENTIFICATION 3 B-Right (R.) [DF--C] Sample Date/Time 11/15/2018 05:05

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	01/16/2019 16:42 BJ

MARTEL NO. 40077 000010 CLIENT SAMPLE IDENTIFICATION 4 B-L [DF--C] Sample Date/Time 11/15/2018 05:08

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	4.25	ug/l	EPA .200.8	2	01/16/2019 16:44 BJ

MARTEL NO. 40077 000011 CLIENT SAMPLE IDENTIFICATION 4 HS [CR--NC] Sample Date/Time 11/15/2018 05:08

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	01/16/2019 16:54 BJ

MARTEL NO. 40077 000012 CLIENT SAMPLE IDENTIFICATION 4 B-R [DF--C] Sample Date/Time 11/15/2018 05:15

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	01/16/2019 17:00 BJ

MARTEL NO. 40077 000013 CLIENT SAMPLE IDENTIFICATION Restroom (next to 3) HS [BS--NC] Sample Date/Time 11/15/2018 05:15

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	01/16/2019 17:02 BJ



MARTEL NO. 40077 000014 CLIENT SAMPLE IDENTIFICATION Hall Fountain (next to 3) Drinking Fountain (DF) [DF--C] Sample Date/Time 11/15/2018 05:15

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	01/16/2019 17:04 BJ

MARTEL NO. 40077 000015 CLIENT SAMPLE IDENTIFICATION Girls BR (next to 4) HS-L [BS--NC] Sample Date/Time 11/15/2018 05:15

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	01/16/2019 17:07 BJ

MARTEL NO. 40077 000016 CLIENT SAMPLE IDENTIFICATION Girls BR (next to 4) HS-Center (C.) [BS--NC] Sample Date/Time 11/15/2018 05:15

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	2.76	ug/l	EPA .200.8	2	01/16/2019 17:09 BJ

MARTEL NO. 40077 000017 CLIENT SAMPLE IDENTIFICATION Girls BR (next to 4) HS-R [BS--NC] Sample Date/Time 11/15/2018 05:15

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	2.07	ug/l	EPA .200.8	2	01/16/2019 17:12 BJ

MARTEL NO. 40077 000018 CLIENT SAMPLE IDENTIFICATION Boys BR (next to 7) HS-L [BS--NC] Sample Date/Time 11/15/2018 05:15

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	01/16/2019 17:14 BJ

MARTEL NO. 40077 000019 CLIENT SAMPLE IDENTIFICATION Boys BR (next to 7) HS-C [BS--NC] Sample Date/Time 11/15/2018 05:15

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	01/16/2019 17:17 BJ

MARTEL NO. 40077 000020 CLIENT SAMPLE IDENTIFICATION Boys BR (next to 7) HS-R [BS--NC] Sample Date/Time 11/15/2018 05:15

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	01/16/2019 17:19 BJ

MARTEL NO. 40077 000021 CLIENT SAMPLE IDENTIFICATION 7 B-L [DF--C] Sample Date/Time 11/15/2018 05:20

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	2.83	ug/l	EPA .200.8	2	01/16/2019 17:27 BJ



MARTEL NO.	CLIENT SAMPLE IDENTIFICATION				Sample Date/Time
40077	000022	7 HS	[CR--NC]		11/15/2018 05:20
Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	01/16/2019 17:34 BJ

MARTEL NO.	CLIENT SAMPLE IDENTIFICATION				Sample Date/Time
40077	000023	7 B-R	[DF--C]		11/15/2018 05:20
Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	01/16/2019 17:37 BJ

MARTEL NO.	CLIENT SAMPLE IDENTIFICATION				Sample Date/Time
40077	000024	8 B-L	[DF--C]		11/15/2018 05:20
Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	01/16/2019 17:39 BJ

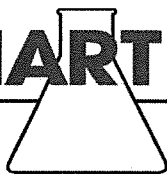
MARTEL NO.	CLIENT SAMPLE IDENTIFICATION				Sample Date/Time
40077	000025	8 HS	[CR--NC]		11/15/2018 05:20
Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	01/16/2019 17:42 BJ

MARTEL NO.	CLIENT SAMPLE IDENTIFICATION				Sample Date/Time
40077	000026	8 B-R	[DF--C]		11/15/2018 05:23
Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	01/16/2019 17:44 BJ

MARTEL NO.	CLIENT SAMPLE IDENTIFICATION				Sample Date/Time
40077	000027	30 HS	[CR--NC]		11/15/2018 05:23
Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	01/16/2019 17:47 BJ

MARTEL NO.	CLIENT SAMPLE IDENTIFICATION				Sample Date/Time
40077	000028	30 B	[DF--C]		11/15/2018 05:23
Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	01/16/2019 17:49 BJ

MARTEL NO.	CLIENT SAMPLE IDENTIFICATION				Sample Date/Time
40077	000029	30-BR HS	[BS--NC]		11/15/2018 05:23
Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	01/16/2019 17:52 BJ



MARTEL NO. 40077 000030 31 HS [CR--NC] CLIENT SAMPLE IDENTIFICATION Sample Date/Time 11/15/2018 05:23

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	01/16/2019 17:54 BJ

MARTEL NO. 40077 000031 31 B [DF--C] CLIENT SAMPLE IDENTIFICATION Sample Date/Time 11/15/2018 05:23

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	01/16/2019 18:04 BJ

MARTEL NO. 40077 000032 31-BR HS [BS--NC] CLIENT SAMPLE IDENTIFICATION Sample Date/Time 11/15/2018 05:23

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	01/16/2019 18:09 BJ

MARTEL NO. 40077 000033 32 HS [CR--NC] CLIENT SAMPLE IDENTIFICATION Sample Date/Time 11/15/2018 05:23

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	01/16/2019 18:11 BJ

MARTEL NO. 40077 000034 32 B [DF--C] CLIENT SAMPLE IDENTIFICATION Sample Date/Time 11/15/2018 05:23

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	01/16/2019 18:14 BJ

MARTEL NO. 40077 000035 32-BR HS [BS--NC] CLIENT SAMPLE IDENTIFICATION Sample Date/Time 11/15/2018 05:23

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	01/16/2019 18:16 BJ

MARTEL NO. 40077 000036 33 HS [CR--NC] CLIENT SAMPLE IDENTIFICATION Sample Date/Time 11/15/2018 05:29

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	01/16/2019 18:19 BJ

MARTEL NO. 40077 000037 33 B [DF--C] CLIENT SAMPLE IDENTIFICATION Sample Date/Time 11/15/2018 05:29

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	01/16/2019 18:21 BJ

MARTEL NO.	CLIENT SAMPLE IDENTIFICATION				Sample Date/Time
40077 000038	33-BR HS [BS--NC]				11/15/2018 05:29
Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	01/16/2019 18:24 BJ

MARTEL NO.	CLIENT SAMPLE IDENTIFICATION				Sample Date/Time
40077 000039	34 HS [CR--NC]				11/15/2018 05:29
Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	01/16/2019 18:26 BJ

MARTEL NO.	CLIENT SAMPLE IDENTIFICATION				Sample Date/Time
40077 000040	34 B [DF--C]				11/15/2018 05:29
Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	01/16/2019 18:29 BJ

MARTEL NO.	CLIENT SAMPLE IDENTIFICATION				Sample Date/Time
40077 000041	34-BR HS [BS--NC]				11/15/2018 05:29
Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	01/16/2019 18:36 BJ

MARTEL NO.	CLIENT SAMPLE IDENTIFICATION				Sample Date/Time
40077 000042	11 B-L [DF--C]				11/15/2018 05:30
Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	2.60	ug/l	EPA .200.8	2	01/16/2019 18:43 BJ

MARTEL NO.	CLIENT SAMPLE IDENTIFICATION				Sample Date/Time
40077 000043	11 HS [CR--NC]				11/15/2018 05:30
Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	2.04	ug/l	EPA .200.8	2	01/16/2019 18:46 BJ

MARTEL NO.	CLIENT SAMPLE IDENTIFICATION				Sample Date/Time
40077 000044	11 B-R [DF--C]				11/15/2018 05:30
Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	2.90	ug/l	EPA .200.8	2	01/16/2019 18:48 BJ

MARTEL NO.	CLIENT SAMPLE IDENTIFICATION				Sample Date/Time
40077 000045	Restroom (next to 11) HS [BS--NC]				11/15/2018 05:30
Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	01/16/2019 18:51 BJ



MARTEL NO. 40077 000046 CLIENT SAMPLE IDENTIFICATION Hall Fountain (next to 11) DF [DF--C] Sample Date/Time 11/15/2018 05:30

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	01/16/2019 18:53 BJ

MARTEL NO. 40077 000047 CLIENT SAMPLE IDENTIFICATION 12 B-L [DF--C] Sample Date/Time 11/15/2018 05:30

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	2.73	ug/l	EPA .200.8	2	01/16/2019 18:56 BJ

MARTEL NO. 40077 000048 CLIENT SAMPLE IDENTIFICATION 12 HS [CR--NC] Sample Date/Time 11/15/2018 05:30

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	01/16/2019 18:58 BJ

MARTEL NO. 40077 000049 CLIENT SAMPLE IDENTIFICATION 12 B-R [DF--C] Sample Date/Time 11/15/2018 05:30

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	01/16/2019 19:01 BJ

MARTEL NO. 40077 000050 CLIENT SAMPLE IDENTIFICATION Girls BR (next to 12) HS-L [BS--NC] Sample Date/Time 11/15/2018 05:43

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	8.94	ug/l	EPA .200.8	2	01/16/2019 19:03 BJ

MARTEL NO. 40077 000051 CLIENT SAMPLE IDENTIFICATION Girls BR (next to 12) HS-C [BS--NC] Sample Date/Time 11/15/2018 05:43

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	19.2	ug/l	EPA .200.8	2	01/16/2019 19:13 BJ

MARTEL NO. 40077 000052 CLIENT SAMPLE IDENTIFICATION Girls BR (next to 12) HS-R [BS--NC] Sample Date/Time 11/15/2018 05:43

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	8.69	ug/l	EPA .200.8	2	01/16/2019 19:18 BJ

MARTEL NO. 40077 000053 CLIENT SAMPLE IDENTIFICATION Boys BR (next to 15) HS-L [BS--NC] Sample Date/Time 11/15/2018 05:43

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	01/16/2019 19:21 BJ



MARTEL NO. 40077 000054 Boys BR (next to 15) HS-C [BS--NC] CLIENT SAMPLE IDENTIFICATION Sample Date/Time 11/15/2018 05:43

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	01/16/2019 19:23 BJ

MARTEL NO. 40077 000055 Boys BR (next to 15) HS-R [BS--NC] CLIENT SAMPLE IDENTIFICATION Sample Date/Time 11/15/2018 05:43

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

MARTEL NO. 40077 000056 16 B-L [DF--C] CLIENT SAMPLE IDENTIFICATION Sample Date/Time 11/15/2018 05:43

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	3.77	ug/l	EPA .200.8	2	01/16/2019 19:26 BJ

MARTEL NO. 40077 000057 16 HS [CR--NC] CLIENT SAMPLE IDENTIFICATION Sample Date/Time 11/15/2018 05:43

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	4.46	ug/l	EPA .200.8	2	01/16/2019 19:28 BJ

MARTEL NO. 40077 000058 16 B-R [DF--C] CLIENT SAMPLE IDENTIFICATION Sample Date/Time 11/15/2018 05:43

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	3.52	ug/l	EPA .200.8	2	01/16/2019 19:31 BJ

MARTEL NO. 40077 000059 15 B-L [DF--C] CLIENT SAMPLE IDENTIFICATION Sample Date/Time 11/15/2018 05:43

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	01/16/2019 19:33 BJ

MARTEL NO. 40077 000060 15 HS [CR--NC] CLIENT SAMPLE IDENTIFICATION Sample Date/Time 11/15/2018 05:43

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	01/16/2019 19:36 BJ

MARTEL NO. 40077 000061 15 B-R [DF--C] CLIENT SAMPLE IDENTIFICATION Sample Date/Time 11/15/2018 05:43

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	2.96	ug/l	EPA .200.8	2	01/16/2019 19:43 BJ



MARTEL NO. 40077 000062 19 HS [CR--NC] CLIENT SAMPLE IDENTIFICATION Sample Date/Time 11/15/2018 05:45

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	01/16/2019 19:51 BJ

MARTEL NO. 40077 000063 19 DF [DF--C] CLIENT SAMPLE IDENTIFICATION Sample Date/Time 11/15/2018 05:45

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	3.43	ug/l	EPA .200.8	2	01/16/2019 19:53 BJ

MARTEL NO. 40077 000064 19 B-L [DF--C] CLIENT SAMPLE IDENTIFICATION Sample Date/Time 11/15/2018 05:45

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

MARTEL NO. 40077 000065 Restroom (next to 19) HS [BS--NC] CLIENT SAMPLE IDENTIFICATION Sample Date/Time 11/15/2018 05:45

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	2.85	ug/l	EPA .200.8	2	01/16/2019 19:56 BJ

MARTEL NO. 40077 000066 Hall Fountain (next to 19) DF [DF--C] CLIENT SAMPLE IDENTIFICATION Sample Date/Time 11/15/2018 05:45

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	01/16/2019 19:58 BJ

MARTEL NO. 40077 000067 20 B-L [DF--C] CLIENT SAMPLE IDENTIFICATION Sample Date/Time 11/15/2018 05:45

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

MARTEL NO. 40077 000068 20 HS [CR--NC] CLIENT SAMPLE IDENTIFICATION Sample Date/Time 11/15/2018 05:45

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	01/16/2019 20:01 BJ

MARTEL NO. 40077 000069 20 B-R [DF--C] CLIENT SAMPLE IDENTIFICATION Sample Date/Time 11/15/2018 05:45

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	5.02	ug/l	EPA .200.8	2	01/16/2019 20:03 BJ



MARTEL NO. 40077 000070 CLIENT SAMPLE IDENTIFICATION: Girls BR (next to 20) HS-L [BS--NC] Sample Date/Time: 11/15/2018 05:50

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	01/16/2019 20:06 BJ

MARTEL NO. 40077 000071 CLIENT SAMPLE IDENTIFICATION: Girls BR (next to 20) HS-C [BS--NC] Sample Date/Time: 11/15/2018 05:50

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	01/16/2019 20:16 BJ

MARTEL NO. 40077 000072 CLIENT SAMPLE IDENTIFICATION: Girls BR (next to 20) HS-R [BS--NC] Sample Date/Time: 11/15/2018 05:50

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	6.64	ug/l	EPA .200.8	2	01/16/2019 20:21 BJ

MARTEL NO. 40077 000073 CLIENT SAMPLE IDENTIFICATION: Boys BR (next to 23) HS-L [BS--NC] Sample Date/Time: 11/15/2018 05:50

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	5.60	ug/l	EPA .200.8	2	01/16/2019 20:23 BJ

MARTEL NO. 40077 000074 CLIENT SAMPLE IDENTIFICATION: Boys BR (next to 23) HS-C [BS--NC] Sample Date/Time: 11/15/2018 05:50

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	4.34	ug/l	EPA .200.8	2	01/16/2019 20:26 BJ

MARTEL NO. 40077 000075 CLIENT SAMPLE IDENTIFICATION: Boys BR (next to 23) HS-R [BS--NC] Sample Date/Time: 11/15/2018 05:50

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	01/16/2019 20:28 BJ

MARTEL NO. 40077 000076 CLIENT SAMPLE IDENTIFICATION: 23 B-L [DF--C] Sample Date/Time: 11/15/2018 05:55

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	2.00	ug/l	EPA .200.8	2	01/16/2019 20:31 BJ

MARTEL NO. 40077 000077 CLIENT SAMPLE IDENTIFICATION: 23 HS [CR--NC] Sample Date/Time: 11/15/2018 05:55

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	3.46	ug/l	EPA .200.8	2	01/16/2019 20:33 BJ



MARTEL NO. 40077 000078 23 B-R [DF--C] CLIENT SAMPLE IDENTIFICATION Sample Date/Time 11/15/2018 05:55

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	6.73	ug/l	EPA .200.8	2	01/16/2019 20:36 BJ

MARTEL NO. 40077 000079 24 B-L [DF--C] CLIENT SAMPLE IDENTIFICATION Sample Date/Time 11/15/2018 05:55

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	3.22	ug/l	EPA .200.8	2	01/16/2019 20:38 BJ

MARTEL NO. 40077 000080 24 HS [CR--NC] CLIENT SAMPLE IDENTIFICATION Sample Date/Time 11/15/2018 05:55

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	14.2	ug/l	EPA .200.8	2	01/16/2019 20:41 BJ

MARTEL NO. 40077 000081 24 B-R [DF--C] CLIENT SAMPLE IDENTIFICATION Sample Date/Time 11/15/2018 05:55

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	4.11	ug/l	EPA .200.8	2	01/16/2019 20:48 BJ

MARTEL NO. 40077 000082 Media Center B-L [DF--C] CLIENT SAMPLE IDENTIFICATION Sample Date/Time 11/15/2018 05:58

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	2.10	ug/l	EPA .200.8	2	01/16/2019 20:56 BJ

MARTEL NO. 40077 000083 Media Center HS [OT--NC] CLIENT SAMPLE IDENTIFICATION Sample Date/Time 11/15/2018 05:58

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	01/16/2019 20:58 BJ

MARTEL NO. 40077 000084 Media Center B-R [DF--C] CLIENT SAMPLE IDENTIFICATION Sample Date/Time 11/15/2018 06:00

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

MARTEL NO. 40077 000085 Art HS-L [OT--NC] CLIENT SAMPLE IDENTIFICATION Sample Date/Time 11/15/2018 06:00

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	7.13	ug/l	EPA .200.8	2	01/16/2019 21:01 BJ



MARTEL NO. 40077 000086 Art HS-C [OT--NC] CLIENT SAMPLE IDENTIFICATION Sample Date/Time 11/15/2018 06:00

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	22.0	ug/l*	EPA .200.8	2	01/16/2019 21:03 BJ

MARTEL NO. 40077 000087 Art HS-R [OT--NC] CLIENT SAMPLE IDENTIFICATION Sample Date/Time 11/15/2018 06:00

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	01/16/2019 21:06 BJ

MARTEL NO. 40077 000088 Pine Lodge DF [DF--C] CLIENT SAMPLE IDENTIFICATION Sample Date/Time 11/15/2018 06:00

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

MARTEL NO. 40077 000089 Pine Lodge-Boys BR HS [BS--NC] CLIENT SAMPLE IDENTIFICATION Sample Date/Time 11/15/2018 06:00

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	2.41	ug/l	EPA .200.8	2	01/16/2019 21:08 BJ

MARTEL NO. 40077 000090 Pine Lodge (closest to Office) DF [DF--C] CLIENT SAMPLE IDENTIFICATION Sample Date/Time 11/15/2018 06:00

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	95.8	ug/l*	EPA .200.8	2	01/16/2019 21:11 BJ

MARTEL NO. 40077 000091 Pine Lodge (closest to Office)-BR HS [BS--NC] CLIENT SAMPLE IDENTIFICATION Sample Date/Time 11/15/2018 06:00

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	10.8	ug/l	EPA .200.8	2	01/16/2019 21:21 BJ

MARTEL NO. 40077 000092 Girls BR-Main Hall HS-L [BS--NC] CLIENT SAMPLE IDENTIFICATION Sample Date/Time 11/15/2018 06:00

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	01/16/2019 21:26 BJ

MARTEL NO. 40077 000093 Girls BR-Main Hall HS-R [BS--NC] CLIENT SAMPLE IDENTIFICATION Sample Date/Time 11/15/2018 06:10

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	01/16/2019 21:28 BJ



MARTEL NO. 40077 000094 Boys BR-Main Hall HS-L [BS--NC] CLIENT SAMPLE IDENTIFICATION Sample Date/Time 11/15/2018 06:10

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	01/16/2019 21:31 BJ

MARTEL NO. 40077 000095 Boys BR-Main Hall HS-R [BS--NC] CLIENT SAMPLE IDENTIFICATION Sample Date/Time 11/15/2018 06:10

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	01/16/2019 21:33 BJ

MARTEL NO. 40077 000096 Café Fountain DF [DF--C] CLIENT SAMPLE IDENTIFICATION Sample Date/Time 11/15/2018 06:10

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	01/16/2019 21:36 BJ

MARTEL NO. 40077 000097 Kitchen Dual Sink Sink [KS--C] CLIENT SAMPLE IDENTIFICATION Sample Date/Time 11/15/2018 06:10

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	01/16/2019 21:38 BJ

MARTEL NO. 40077 000098 Kitchen Sink (across from dual) HS [KS--NC] CLIENT SAMPLE IDENTIFICATION Sample Date/Time 11/15/2018 06:15

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	01/16/2019 21:41 BJ

MARTEL NO. 40077 000099 Kitchen Tri-Sink Sink-L [KS--C] CLIENT SAMPLE IDENTIFICATION Sample Date/Time 11/15/2018 06:15

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	01/16/2019 21:43 BJ

MARTEL NO. 40077 000100 Kitchen Tri-Sink Sink-R [KS--C] CLIENT SAMPLE IDENTIFICATION Sample Date/Time 11/15/2018 06:15

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	01/16/2019 21:46 BJ

MARTEL NO. 40077 000101 Kitchen BR HS [BS--NC] CLIENT SAMPLE IDENTIFICATION Sample Date/Time 11/15/2018 06:15

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	01/16/2019 21:53 BJ



MARTEL NO.	CLIENT SAMPLE IDENTIFICATION	Sample Date/Time			
40077 000102	Gym Office BR HS [BS--NC]	11/15/2018 06:15			
Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	2.57	ug/l	EPA .200.8	2	01/16/2019 22:01 BJ

MARTEL NO.	CLIENT SAMPLE IDENTIFICATION	Sample Date/Time			
40077 000103	Gym Fountain DF [DF--C]	11/15/2018 06:15			
Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	01/16/2019 22:03 BJ

MARTEL NO.	CLIENT SAMPLE IDENTIFICATION	Sample Date/Time			
40077 000104	Gym Boys BR HS [BS--NC]	11/15/2018 06:15			
Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	4.14	ug/l	EPA .200.8	2	01/16/2019 22:06 BJ

MARTEL NO.	CLIENT SAMPLE IDENTIFICATION	Sample Date/Time			
40077 000105	Gym Girls BR HS [BS--NC]	11/15/2018 06:15			
Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	3.21	ug/l	EPA .200.8	2	01/16/2019 22:08 BJ

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

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.

* 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: 11-15-18 4:55AM End Date/Time: 11-15-18 6:20AM

Sampler/Relinquished By: Lavem Couch Received at Martel by: [Signature] Date/Time: 11-15-18 9:00AM

Crofton Woods ES (3082) Martel No. 40077

1750 Urby Dr, Crofton, MD 21114

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 <small>L or NGZ</small>	Time/notes	
1	Health Room	Hand Sink (HS)	NO	C	5:00	
2	Health Room-Bathroom (BR)	HS	BS	NC	↓	
3	Main Office BR	HS	BS	NC		
4	Staff Lounge Women's BR	HS	BS	NC		
5	Staff Lounge Men's BR	HS	BS	NC		
6	Staff Lounge	HS	TL	C		
7	3	Bubbler (B)-Left (L)	DF	C		5:05
8	3	HS	CR	NC	↓	
9	3	B-Right (R.)	DF	C		Not existing
10	4	B-L	DF	C	5:08	
11	4	HS	CR	NC	↓	
12	4	B-R	DF	C		5:15
13	Restroom (next to 3)	HS	BS	NC	↓	
14	Hall Fountain (next to 3)	Drinking Fountain (DF)	DF	C		
15	Girls BR (next to 4)	HS-L	BS	NC		
16	Girls BR (next to 4)	HS-Center (C.)	BS	NC		
17	Girls BR (next to 4)	HS-R	BS	NC		
18	Boys BR (next to 7)	HS-L	BS	NC		
19	Boys BR (next to 7)	HS-C	BS	NC		
20	Boys BR (next to 7)	HS-R	BS	NC	↓	
21	7	B-L	DF	C		5:20
22	7	HS	CR	NC		
23	7	B-R	DF	C		
24	8	B-L	DF	C		
25	8	HS	CR	NC	↓	

dc 11/15/18

Crofton Woods ES (3082) Martel No. 40077

1750 Urby Dr, Crofton, MD 21114

26	8	B-R	DF	C	5:23	
27	30	HS	CR	NC	↓	
28	30	B	DF	C		
29	30-BR	HS	BS	NC		
30	31	HS	CR	NC		
31	31	B	DF	C		
32	31-BR	HS	BS	NC		
33	32	HS	CR	NC		
34	32	B	DF	C		
35	32-BR	HS	BS	NC		
36	33	HS	CR	NC		5:29
37	33	B	DF	C		↓
38	33-BR	HS	BS	NC		
39	34	HS	CR	NC		
40	34	B	DF	C		
41	34-BR	HS	BS	NC		
42	11	B-L	DF	C	5:30	
43	11	HS	CR	NC	↓	
44	11	B-R	DF	C		
45	Restroom (next to 11)	HS	BS	NC		
46	Hall Fountain (next to 11)	DF	DF	C		
47	12	B-L	DF	C		
48	12	HS	CR	NC		
49	12	B-R	DF	C		
50	Girls BR (next to 12)	HS-L	BS	NC		5:43
51	Girls BR (next to 12)	HS-C	BS	NC		↓
52	Girls BR (next to 12)	HS-R	BS	NC		
53	Boys BR (next to 15)	HS-L	BS	NC		
54	Boys BR (next to 15)	HS-C	BS	NC		
55	Boys BR (next to 15)	HS-R	BS	NC	NW	
56	16	B-L	DF	C		
57	16	HS	CR	NC		
58	16	B-R	DF	C		
59	15	B-L	DF	C		
60	15	HS	CR	NC		
61	15	B-R	DF	C	↓	

Crofton Woods ES (3082) Martel No. 40077

1750 Urby Dr, Crofton, MD 21114

62	19	HS	CR	NC	5:45
63	19	DF	DF	C	NW
64	19	B-L	DF	C	
65	Restroom (next to 19)	HS	BS	NC	
66	Hall Fountain (next to 19)	DF	DF	C	
67	20	B-L	DF	C	
68	20	HS	CR	NC	Not functional
69	20	B-R	DF	C	
70	Girls BR (next to 20)	HS-L	BS	NC	
71	Girls BR (next to 20)	HS-C	BS	NC	
72	Girls BR (next to 20)	HS-R	BS	NC	
73	Boys BR (next to 23)	HS-L	BS	NC	5:50
74	Boys BR (next to 23)	HS-C	BS	NC	
75	Boys BR (next to 23)	HS-R	BS	NC	
76	23	B-L	DF	C	
77	23	HS	CR	NC	
78	23	B-R	DF	C	5:55
79	24	B-L	DF	C	
80	24	HS	CR	NC	
81	24	B-R	DF	C	
82	Media Center	B-L	DF	C	
83	Media Center	HS	OT	NC	5:58
84	Media Center	B-R	DF	C	Not working
85	Art	HS-L	OT	NC	6:00
86	Art	HS-C	OT	NC	Not working
87	Art	HS-R	OT	NC	
88	Pine Lodge	DF	DF	C	
89	Pine Lodge-Boys BR	HS	BS	NC	
90	Pine Lodge (closest to Office)	DF	DF	C	
91	Pine Lodge (closest to Office)-BR	HS	BS	NC	6:10
92	Girls BR-Main Hall	HS-L	BS	NC	
93	Girls BR-Main Hall	HS-R	BS	NC	
94	Boys BR-Main Hall	HS-L	BS	NC	
95	Boys BR-Main Hall	HS-R	BS	NC	
96	Café Fountain	DF	DF	C	6:10
97	Kitchen Dual Sink	Sink	KS	C	

Crofton Woods ES (3082) Martel No. 40077

1750 Urby Dr, Crofton, MD 21114

98	Kitchen Sink (across from dual)	HS	KS	NC	6:15 ↓
99	Kitchen Tri-Sink	Sink-L	KS	C	
100	Kitchen Tri-Sink	Sink-R	KS	C	
101	Kitchen BR	HS	BS	NC	
102	Gym Office BR	HS	BS	NC	
103	Gym Fountain	DF	DF	C	
104	Gym Boys BR	HS	BS	NC	
105	Gym Girls BR	HS	BS	NC	