



Charles County Public Schools
P.O. Box 2770
5980 Radio Station Road
La Plata, MD 20646
Attention:

Thursday, April 20, 2023
Certificate of Analysis
FINAL

Project Information:

Report for Lab No: 60815.

First Draw samples flushed by Martel Laboratories on December 7, 2022, sampled by Martel on December 8, 2022.

Project Identification: MD HB 270

School: Dr. Thomas L. Higdon ES

References and Important Notes:

40CFR136=U.S. "Code of Federal Regulations", Title 40, Protection of the Environment, Part 136, Guidelines Establishing Test Procedures for the Analysis of Pollutants Under the Clean Water Act.

* Indicates result(s) greater than 5.5 ug/l - regulatory limit for these samples.

Notices:

Chain of Custody Form(s) are attached and are an integral part of this report.
This report will be retained for at least five years and will be disposed of without notice.
Measurement uncertainty for each listed test is available upon request.
The results presented herein relate only to the samples or items tested.
All samples tested were in acceptable condition, unless otherwise noted.



MARTEL NO. 60815 1 HES-1-DC CLIENT SAMPLE IDENTIFICATION Sample Date/Time 12/07/2022 05:50

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	04/19/2023 17:28 BJ

MARTEL NO. 60815 2 HES-2-DC CLIENT SAMPLE IDENTIFICATION Sample Date/Time 12/07/2022 05:50

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	04/19/2023 17:41 BJ

MARTEL NO. 60815 3 HES-3-FC CLIENT SAMPLE IDENTIFICATION Sample Date/Time 12/07/2022 05:53

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	04/19/2023 17:44 BJ

MARTEL NO. 60815 5 HES-5-DC CLIENT SAMPLE IDENTIFICATION Sample Date/Time 12/07/2022 05:55

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	04/19/2023 17:46 BJ

MARTEL NO. 60815 20 HES-20-DC CLIENT SAMPLE IDENTIFICATION Sample Date/Time 12/07/2022 05:00

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	not	working	EPA .200.8	2	/ /

MARTEL NO. 60815 45 HES-45-FC CLIENT SAMPLE IDENTIFICATION Sample Date/Time 12/07/2022 06:26

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	04/19/2023 17:49 BJ

MARTEL NO. 60815 46 HES-46-DB CLIENT SAMPLE IDENTIFICATION Sample Date/Time 12/07/2022 06:26

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	04/19/2023 17:52 BJ

MARTEL NO. 60815 47 HES-47-FC CLIENT SAMPLE IDENTIFICATION Sample Date/Time 12/07/2022 06:24

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	04/19/2023 17:54 BJ



MARTEL NO.	CLIENT SAMPLE IDENTIFICATION	Sample Date/Time
60815 48	HES-48-DB	12/07/2022 06:24

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	4.77	ug/l	EPA 200.8	2	04/19/2023 17:57 BJ

MARTEL NO.	CLIENT SAMPLE IDENTIFICATION	Sample Date/Time
60815 49	HES-49-FC	12/07/2022 06:24

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA 200.8	2	04/19/2023 17:59 BJ

MARTEL NO.	CLIENT SAMPLE IDENTIFICATION	Sample Date/Time
60815 50	HES-50-FC	12/07/2022 06:22

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA 200.8	2	04/19/2023 18:10 BJ

MARTEL NO.	CLIENT SAMPLE IDENTIFICATION	Sample Date/Time
60815 51	HES-51-DB	12/07/2022 06:22

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	2.08	ug/l	EPA 200.8	2	04/19/2023 18:16 BJ

MARTEL NO.	CLIENT SAMPLE IDENTIFICATION	Sample Date/Time
60815 52	HES-52-FC	12/07/2022 06:22

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA 200.8	2	04/19/2023 18:18 BJ

MARTEL NO.	CLIENT SAMPLE IDENTIFICATION	Sample Date/Time
60815 53	HES-53-FC	12/07/2022 06:20

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA 200.8	2	04/19/2023 18:21 BJ

MARTEL NO.	CLIENT SAMPLE IDENTIFICATION	Sample Date/Time
60815 54	HES-54-DB	12/07/2022 06:20

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	6.63	ug/l*	EPA 200.8	2	04/19/2023 18:23 BJ

MARTEL NO.	CLIENT SAMPLE IDENTIFICATION	Sample Date/Time
60815 56	HES-56-DC	12/07/2022 06:19

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA 200.8	2	04/19/2023 18:26 BJ



MARTEL NO. 60815 57 CLIENT SAMPLE IDENTIFICATION HES-57-DC Sample Date/Time 12/07/2022 06:18

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA 200.8	2	04/19/2023 18:29 BJ

MARTEL NO. 60815 58 CLIENT SAMPLE IDENTIFICATION HES-58-FC Sample Date/Time 12/07/2022 06:08

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA 200.8	2	04/19/2023 18:31 BJ

MARTEL NO. 60815 59 CLIENT SAMPLE IDENTIFICATION HES-59-FC Sample Date/Time 12/07/2022 06:08

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	3.66	ug/l	EPA 200.8	2	04/19/2023 18:34 BJ

MARTEL NO. 60815 60 CLIENT SAMPLE IDENTIFICATION HES-60-FC Sample Date/Time 12/07/2022 06:09

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	2.46	ug/l	EPA 200.8	2	04/19/2023 18:36 BJ

MARTEL NO. 60815 61 CLIENT SAMPLE IDENTIFICATION HES-61-FC Sample Date/Time 12/07/2022 06:11

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	4.51	ug/l	EPA 200.8	2	04/19/2023 18:45 BJ

MARTEL NO. 60815 62 CLIENT SAMPLE IDENTIFICATION HES-62-FC Sample Date/Time 12/07/2022 06:09

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	2.77	ug/l	EPA 200.8	2	04/19/2023 18:52 BJ

MARTEL NO. 60815 63 CLIENT SAMPLE IDENTIFICATION HES-63-DC Sample Date/Time 12/07/2022 06:12

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA 200.8	2	04/19/2023 18:55 BJ

MARTEL NO. 60815 64 CLIENT SAMPLE IDENTIFICATION HES-64-IM Sample Date/Time 12/07/2022 06:12

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA 200.8	2	04/19/2023 18:58 BJ



MARTEL NO. 60815 66 CLIENT SAMPLE IDENTIFICATION HES-66-FC Sample Date/Time 12/07/2022 05:53

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	2.69	ug/l	EPA .200.8	2	04/19/2023 19:00 BJ

MARTEL NO. 60815 67 CLIENT SAMPLE IDENTIFICATION HES-67-BU Sample Date/Time 12/07/2022 06:18

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	04/19/2023 19:03 BJ

MARTEL NO. 60815 68 CLIENT SAMPLE IDENTIFICATION HES-68-BU Sample Date/Time 12/07/2022 05:55

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	04/19/2023 19:06 BJ

MARTEL NO. 60815 58F CLIENT SAMPLE IDENTIFICATION HES-58F-FC FLUSHED Sample Date/Time 12/07/2022 06:14

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	04/19/2023 19:08 BJ

MARTEL NO. 60815 59F CLIENT SAMPLE IDENTIFICATION HES-59F-FC FLUSHED Sample Date/Time 12/07/2022 06:14

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	04/19/2023 19:11 BJ

MARTEL NO. 60815 60F CLIENT SAMPLE IDENTIFICATION HES-60F-FC FLUSHED Sample Date/Time 12/07/2022 06:15

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	04/19/2023 19:13 BJ

MARTEL NO. 60815 61F CLIENT SAMPLE IDENTIFICATION HES-61F-FC FLUSHED Sample Date/Time 12/07/2022 06:16

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	04/19/2023 19:24 BJ

MARTEL NO. 60815 62F CLIENT SAMPLE IDENTIFICATION HES-62F-FC FLUSHED Sample Date/Time 12/07/2022 06:15

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	04/19/2023 19:29 BJ



MARTEL NO.		CLIENT SAMPLE IDENTIFICATION			Sample Date/Time	
60815	66F	HES-66F-FC FLUSHED			12/07/2022 05:59	
Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial	
Lead	<2	ug/l	EPA 200.8	2	04/19/2023 19:32 BJ	

Flush Date: 12/6/22

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

Charles County Public Schools Drinking Water Lead Testing

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

Sample Start Date/Time: 12/7/22 05:50 End Date/Time: 12/7/22 06:26

Sampler/Relinquished By: DH Received at Martel by: [Signature] Date/Time: 12-8-22 11:50

16- Dr. Thomas L. Higdon Elementary
12872 Rock Point Road Newburg, MD 20664
PSC #08.027 First Draw unless noted
<u>ALL OUTLET WERE FLUSHED THE NIGHT BEFORE SAMPLING BETWEEN THE HOURS OF 6 PM and 10 PM. WHEN SAMPLE TIMES ARE IDENTICAL, SAMPLING WAS PERFORMED IN LAB NUMBER ORDER</u>

							Flush	Martel NO: 60815
Martel #	Sample #	Location ID #	Fixture Type <small>(Sink, Bubler, Water Fountain, Gooseneck, Ice Machine, Hose Bibb)</small>	Outlet Key Codes	Room/Location	Consumption Cor. HCZ	Flush Data	Sample Time
1	1	HES-1-DC	water fountain on left	DC	main corridor	C	✓	05:50
2	2	HES-2-DC	water fountain on right	DC	main corridor	C	✓	↓
3	3	HES-3-FC	teacher lounge sink	FC	teacher lounge CR 125	C	✓	05:53
4	5	HES-5-DC	water fountain	DC	corridor next to cr 131	C	✓	05:55
5	20	HES-20-DC	water fountain	DC	corridor	C	Not working	
6	45	HES-45-FC	sink	FC	cr 105 (Sp-Ed) Life Skills	C	✓	06:26
7	46	HES-46-DB	bubler	DB	cr 105 (Sp-Ed) Life Skills	C	✓	↓
8	47	HES-47-FC	Sink - Right	FC	cr 103 - Pre-K	C	✓	06:24
9	48	HES-48-DB	bubler	DB	cr 103 - Pre-K	C	✓	↓
10	49	HES-49-FC	sink - Left	FC	cr 103 - Pre-K	C	✓	↓
11	50	HES-50-FC	sink - Left	FC	cr 101 - K	C	✓	06:22
12	51	HES-51-DB	bubler	DB	cr 101 - K	C	✓	↓
13	52	HES-52-FC	sink - Right	FC	cr 101 - K	C	✓	↓
14	53	HES-53-FC	sink - Right	FC	cr 102 - K	C	✓	06:20
15	54	HES-54-DB	bubler	DB	cr 102 - K	C	✓	↓
16	56	HES-56-DC	water fountain	DC	hallway next to cr 102	C	✓	06:19
17	57	HES-57-DC	water fountain	DC	auditorium/ lunch room	C	✓	06:18
18	58	HES-58-FC	Sink - Left fixture	FC	Kitchen - Left Fixture on 3 Comp Sink	C	✓	06:09
19	59	HES-59-FC	Sink - Right fixture	FC	Kitchen - Right Fixture on 3 Comp Sink	C	✓	06:08
20	60	HES-60-FC	island sink	FC	kitchen	C	✓	06:09
21	61	HES-61-FC	2 comp sink	FC	kitchen	C	✓	06:11
22	62	HES-62-FC	island sink next to water fountain	FC	kitchen	C	✓	06:09
23	63	HES-63-DC	water fountain	DC	kitchen	C	✓	06:12

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24	64	HES-64-IM	Ice Machine	IM	Kitchen	C	✓	06:12
25	66	HES-66-FC	sink	FC	Nurse's Office	C	✓	05:53
26	67	HES-67-BU	Bottle Filler	BU	Café	C	✓	06:18
27	68	HES-68-BU	Bottle Filler	BU	Corridor	C	✓	05:55
28	58F	HES-58F-FC	Sink - Left fixture	FC	Kitchen - Left Fixture on 3 Comp Sink	C	X	06:14 <small>flush before sample</small>
29	59F	HES-59F-FC	Sink - Right fixture	FC	Kitchen - Right Fixture on 3 Comp Sink	C	X	06:14 <small>flush before sample</small>
30	60F	HES-60F-FC	island sink	FC	kitchen	C	X	06:15 <small>flush before sample</small>
31	61F	HES-61F-FC	2 comp sink	FC	kitchen	C	X	06:16 <small>flush before sample</small>
32	62F	HES-62F-FC	island sink next to water fountain	FC	kitchen	C	X	06:15 <small>flush before sample</small>
33	66F	HES-66F-FC	sink	FC	Nurse's Office	C	X	05:59 <small>flush before sample</small>