



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

Monday, February 6, 2023
Certificate of Analysis
FINAL

Project Information:

Report for Lab No: 60811.

First Draw samples flushed on December 1, 2022, sampled by Martel on December 2, 2022.
Project Identification: MD HB 270
School: Malcolm Elementary School

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.

Project Manager



MARTEL NO. 60811 1 CLIENT SAMPLE IDENTIFICATION MES-1-DC Sample Date/Time 12/02/2022 00:00

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	01/11/2023 17:50 BJ

MARTEL NO. 60811 4 CLIENT SAMPLE IDENTIFICATION MES-4-FC Sample Date/Time 12/02/2022 07:28

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	01/11/2023 17:53 BJ

MARTEL NO. 60811 5 CLIENT SAMPLE IDENTIFICATION MES-5-IM Sample Date/Time 12/02/2022 07:28

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	02/03/2023 11:33 BJ

MARTEL NO. 60811 6 CLIENT SAMPLE IDENTIFICATION MES-6-FC Sample Date/Time 12/02/2022 07:28

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	02/03/2023 11:35 BJ

MARTEL NO. 60811 7 CLIENT SAMPLE IDENTIFICATION MES-7-DC Sample Date/Time 12/02/2022 07:34

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	02/03/2023 11:38 BJ

MARTEL NO. 60811 8 CLIENT SAMPLE IDENTIFICATION MES-8-FC Sample Date/Time 12/02/2022 07:37

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	5.17	ug/l	EPA .200.8	2	02/03/2023 11:40 BJ

MARTEL NO. 60811 9 CLIENT SAMPLE IDENTIFICATION MES-9-DC Sample Date/Time 12/02/2022 07:39

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	2.66	ug/l	EPA .200.8	2	02/03/2023 11:42 BJ

MARTEL NO. 60811 10 CLIENT SAMPLE IDENTIFICATION MES-10-DC Sample Date/Time 12/02/2022 07:39

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	3.16	ug/l	EPA .200.8	2	02/03/2023 11:45 BJ



MARTEL NO. 60811 11 CLIENT SAMPLE IDENTIFICATION MES-11-DC Sample Date/Time 12/02/2022 07:40

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	02/03/2023 11:47 BJ

MARTEL NO. 60811 12 CLIENT SAMPLE IDENTIFICATION MES-12-FC Sample Date/Time 12/02/2022 07:44

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	02/03/2023 11:49 BJ

MARTEL NO. 60811 13 CLIENT SAMPLE IDENTIFICATION MES-13-DB Sample Date/Time 12/02/2022 07:44

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	3.01	ug/l	EPA .200.8	2	02/03/2023 11:59 BJ

MARTEL NO. 60811 14 CLIENT SAMPLE IDENTIFICATION MES-14-FC Sample Date/Time 12/02/2022 07:45

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	02/03/2023 12:05 BJ

MARTEL NO. 60811 15 CLIENT SAMPLE IDENTIFICATION MES-15-DB Sample Date/Time 12/02/2022 07:45

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	02/03/2023 12:07 BJ

MARTEL NO. 60811 16 CLIENT SAMPLE IDENTIFICATION MES-16-FC Sample Date/Time 12/02/2022 07:47

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	3.98	ug/l	EPA .200.8	2	02/03/2023 12:09 BJ

MARTEL NO. 60811 17 CLIENT SAMPLE IDENTIFICATION MES-17-DB Sample Date/Time 12/02/2022 07:47

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	02/03/2023 12:12 BJ

MARTEL NO. 60811 19 CLIENT SAMPLE IDENTIFICATION MES-19-FC Sample Date/Time 12/02/2022 07:50

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	02/03/2023 12:14 BJ



MARTEL NO.	CLIENT SAMPLE IDENTIFICATION				Sample Date/Time
60811 20	MES-20-DB				12/02/2022 07:50
Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	12.8	ug/l*	EPA .200.8	2	02/03/2023 12:17 BJ
60811 21	MES-21-DC				12/02/2022 07:51
Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	02/03/2023 12:19 BJ
60811 22	MES-22-DC				12/02/2022 07:51
Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	02/03/2023 12:21 BJ
60811 23	MES-23-FC				12/02/2022 07:53
Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	20.2	ug/l*	EPA .200.8	2	02/03/2023 12:24 BJ
60811 24	MES-24-DB				12/02/2022 07:53
Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	15.8	ug/l*	EPA .200.8	2	02/03/2023 12:31 BJ
60811 27	MES-27-FC				12/02/2022 07:54
Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	02/03/2023 12:39 BJ
60811 28	MES-28-DB				12/02/2022 07:54
Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	02/03/2023 12:41 BJ
60811 29	MES-29-FC				12/02/2022 07:55
Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	5.42	ug/l	EPA .200.8	2	02/03/2023 12:43 BJ



MARTEL NO. 60811 36 CLIENT SAMPLE IDENTIFICATION MES-36-DC Sample Date/Time 12/02/2022 07:58

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	02/03/2023 12:46 BJ

MARTEL NO. 60811 37 CLIENT SAMPLE IDENTIFICATION MES-37-DC Sample Date/Time 12/02/2022 08:00

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	02/03/2023 12:48 BJ

MARTEL NO. 60811 48 CLIENT SAMPLE IDENTIFICATION MES-48-DC Sample Date/Time 12/02/2022 08:00

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

MARTEL NO. 60811 49 CLIENT SAMPLE IDENTIFICATION MES-49-DC Sample Date/Time 12/02/2022 08:02

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	02/03/2023 12:51 BJ

MARTEL NO. 60811 50 CLIENT SAMPLE IDENTIFICATION MES-50-BU Sample Date/Time 12/02/2022 07:33

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	02/03/2023 12:53 BJ

MARTEL NO. 60811 51 CLIENT SAMPLE IDENTIFICATION MES-51-BU Sample Date/Time 12/02/2022 07:40

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	02/03/2023 12:55 BJ

MARTEL NO. 60811 52 CLIENT SAMPLE IDENTIFICATION MES-52-BU Sample Date/Time 12/02/2022 08:00

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	02/03/2023 13:05 BJ

MARTEL NO. 60811 4F CLIENT SAMPLE IDENTIFICATION MES-4F-FC Sample Date/Time 12/02/2022 07:31

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	02/03/2023 13:10 BJ



MARTEL NO. 60811	6F	CLIENT SAMPLE IDENTIFICATION MES-6F-FC				Sample Date/Time 12/02/2022 07:31
Compound		Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead		<2	ug/l	EPA 200.8	2	02/03/2023 13:12 BJ

MARTEL NO. 60811	8V	CLIENT SAMPLE IDENTIFICATION MES-8F-FC				Sample Date/Time 12/02/2022 08:11
Compound		Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead		<2	ug/l	EPA 200.8	2	02/03/2023 13:15 BJ

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: 12/2/22 7:20AM End Date/Time: 12/2/22 8:15AM

Sampler/Relinquished By: Nour Arnoult Received at Martel by A. [Signature] Date/Time: 12-2-22 11:58

07 Malcolm Elementary School
14760 Poplar Hill Road Waldorf, MD 20601
PSC #08.024 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>

Martel #	Sample #	Location ID #	Fixture Type <small>(Sink, bubbler, Water Fountain, Goose-neck Ice Machine, Hose Bibb)</small>	Outlet Key Codes	Room/Location	Consumption Cor.NCZ	Flush	Martel NO:
							Flush Date	60811
								Sample Time
1	1	MES-1-DC	water fountain	DC	cafeteria	C	—	—
2	4	MES-4-FC	2 comp sink(near boiler room)	FC	kitchen	C	7:15	7:28
3	5	MES-5-IM	Ice Machine	IM	kitchen (near boiler room)	C	7:15	7:28
4	6	MES-6-FC	2 comp sink(near manager's office)	FC	kitchen (near manager's office)	C	7:15	7:28
5	7	MES-7-DC	water fountain	DC	gym	C	7:50	7:34
6	8	MES-8-FC	sink	FC	nurse office	C	7:14	7:33
7	9	MES-9-DC	water fountain - Left	DC	corridor	C	7:48	7:39
8	10	MES-10-DC	water fountain - Right	DC	corridor	C	7:48	7:39
9	11	MES-11-DC	water fountain	DC	corridor	C	7:46	7:40
10	12	MES-12-FC	sink	FC	Classroom 101 - PreK	C	7:20	7:44
11	13	MES-13-DB	bubbler	DB	Classroom 101 - PreK	C	7:20	7:44
12	14	MES-14-FC	sink	FC	Classroom 103 - K	C	7:23	7:45
13	15	MES-15-DB	bubbler	DB	Classroom 103 - K	C	7:23	7:45
14	16	MES-16-FC	sink	FC	Classroom 130 - K	C	7:27	7:47
15	17	MES-17-DB	bubbler	DB	Classroom 130 - K	C	7:27	7:47
16	19	MES-19-FC	sink	FC	Classroom 105 - K	C	7:35	7:50
17	20	MES-20-DB	bubbler	DB	Classroom 105 - K	C	7:35	7:50
18	21	MES-21-DC	water fountain - Left	DC	corridor	C	7:43	7:51
19	22	MES-22-DC	water fountain - Right	DC	corridor	C	7:43	7:51
20	23	MES-23-FC	sink	FC	CR 106 (Sp-Ed)Pull Out	C	7:38	7:53
21	24	MES-24-DB	bubbler	DB	CR 106 (Sp-Ed)Pull Out	C	7:38	7:53
22	27	MES-27-FC	sink - Center of room	FC	CR 108 (Sp-Ed)SOAR	C	7:40	7:54
23	28	MES-28-DB	bubbler	DB	CR 108 (Sp-Ed)SOAR	C	7:40	7:54

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14760 Poplar Hill Road Waldorf, MD 20601

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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

24	29	MES-29-FC	sink - Next to stove	FC	CR 108 (Sp-Ed)SOAR	c	7:40	7:55	
25	36	MES-36-DC	water fountain	DC	corridor	c	7:55	7:58	
26	37	MES-37-DC	water fountain	DC	corridor	c	7:58	8:00	
27	48	MES-48-DC	water fountain - Left	DC	corridor	c	—	—	
28	49	MES-49-DC	water fountain - Right	DC	corridor	c	7:58	8:00	8:02
29	50	MES-50-BU	Bottle Filler	BU	Cafeteria	c	7:53	7:33	
30	51	MES-51-BU	Bottle Filler	BU	Corridor	c	7:46	7:40	
31	52	MES-52-BU	Bottle Filler	BU	Corridor	c	7:56	8:00	
32	4F	MES-4F-FC	2 comp sink(near boiler room)	FC	kitchen	c	x	7:31	flush before sample
33	6F	MES-6F-FC	2 comp sink(near manager's office)	FC	kitchen (near manager's office)	c	x	7:31	flush before sample
34	8V	MES-8V-FC	sink	FC	nurse office	c	x	7:31	8:11 flush before sample