



Charles County Public Schools

P.O. Box 2770
5980 Radio Station Road
La Plate, MD 20646

Attention:

Monday, February 21, 2022

Certificate of Analysis
FINAL

Project Information:

Report for Lab No: 60430.
Samples flushed by Martel on November 22, 2021, sampled by Martel on November 23, 2021.
Project Identification: MD HB 270
School: Malcolm Elementary School PSC #08.024.

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.

DL2020



Certificate of Analysis

MARTEL NO.	CLIENT SAMPLE IDENTIFICATION	Sample Date/Time
60430 1	MES-1-DC [water fountain --cafeteria]	11/23/2021 05:36
Compound	Test Value	Test Unit
Lead	2.77	ug/l
	Method	Detection Limit
	EPA .200.8	2
	Analysis Date/Time/Initial	02/17/2022 15:23 BJ
60430 4	MES-4-FC [2 comp sink(near boiler room)--kitchen]	11/23/2021 05:34
Compound	Test Value	Test Unit
Lead	<2	ug/l
	Method	Detection Limit
	EPA .200.8	2
	Analysis Date/Time/Initial	02/17/2022 15:28 BJ
60430 5	MES-5-IM [Ice Machine --kitchen (near boiler room)]	11/23/2021 05:34
Compound	Test Value	Test Unit
Lead	<2	ug/l
	Method	Detection Limit
	EPA .200.8	2
	Analysis Date/Time/Initial	02/17/2022 15:31 BJ
60430 6	MES-6-FC [2 comp sink(near manager's office)--kitchen (nea	11/23/2021 05:34
Compound	Test Value	Test Unit
Lead	<2	ug/l
	Method	Detection Limit
	EPA .200.8	2
	Analysis Date/Time/Initial	02/17/2022 15:33 BJ
60430 7	MES-7-DC [water fountain --gym]	11/23/2021 05:37
Compound	Test Value	Test Unit
Lead	<2	ug/l
	Method	Detection Limit
	EPA .200.8	2
	Analysis Date/Time/Initial	02/17/2022 15:36 BJ
60430 8	MES-8-FC [sink--nurse office]	11/23/2021 05:38
Compound	Test Value	Test Unit
Lead	<2	ug/l
	Method	Detection Limit
	EPA .200.8	2
	Analysis Date/Time/Initial	02/17/2022 15:38 BJ
60430 9	MES-9-DC [water fountain - Left--corridor]	11/23/2021 05:39
Compound	Test Value	Test Unit
Lead	<2	ug/l
	Method	Detection Limit
	EPA .200.8	2
	Analysis Date/Time/Initial	02/17/2022 15:41 BJ
60430 10	MES-10-DC [water fountain - Right --corridor]	11/23/2021 05:39
Compound	Test Value	Test Unit
Lead	<2	ug/l
	Method	Detection Limit
	EPA .200.8	2
	Analysis Date/Time/Initial	02/17/2022 15:43 BJ



Certificate of Analysis

MARTEL NO.	CLIENT SAMPLE IDENTIFICATION	Sample Date/Time
60430 11	MES-11-DC [water fountain --corridor]	11/23/2021 05:40
Compound	Test Value Test Unit Method	Detection Limit Analysis Date/Time/Initial
Lead	<2 ug/l EPA .200.8	2 02/17/2022 15:46 BJ
60430 12	MES-12-FC [sink--Classroom 101 - PreK]	11/23/2021 05:41
Compound	Test Value Test Unit Method	Detection Limit Analysis Date/Time/Initial
Lead	5.25 ug/l EPA .200.8	2 02/17/2022 15:48 BJ
60430 13	MES-13-DB [bubbler--Classroom 101 - PreK]	11/23/2021 05:41
Compound	Test Value Test Unit Method	Detection Limit Analysis Date/Time/Initial
Lead	6.82 ug/l* EPA .200.8	2 02/17/2022 15:56 BJ
60430 14	MES-14-FC [sink--Classroom 103 - K]	11/23/2021 05:44
Compound	Test Value Test Unit Method	Detection Limit Analysis Date/Time/Initial
Lead	13.8 ug/l* EPA .200.8	2 02/17/2022 16:04 BJ
60430 15	MES-15-DB [bubbler--Classroom 103 - K]	11/23/2021 05:44
Compound	Test Value Test Unit Method	Detection Limit Analysis Date/Time/Initial
Lead	7.40 ug/l* EPA .200.8	2 02/17/2022 16:06 BJ
60430 16	MES-16-FC [sink--Classroom 130 - K]	11/23/2021 05:49
Compound	Test Value Test Unit Method	Detection Limit Analysis Date/Time/Initial
Lead	2.22 ug/l EPA .200.8	2 02/17/2022 16:09 BJ
60430 17	MES-17-DB [bubbler--Classroom 130 - K]	11/23/2021 05:49
Compound	Test Value Test Unit Method	Detection Limit Analysis Date/Time/Initial
Lead	<2 ug/l EPA .200.8	2 02/17/2022 16:11 BJ
60430 19	MES-19-FC [sink--Classroom 105 - K]	11/23/2021 05:43
Compound	Test Value Test Unit Method	Detection Limit Analysis Date/Time/Initial
Lead	3.03 ug/l EPA .200.8	2 02/17/2022 16:14 BJ



MARTEL NO. 60430 20 CLIENT SAMPLE IDENTIFICATION MES-20-DB [bubbler--Classroom 105 - K] Sample Date/Time 11/23/2021 05:43

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	12.4	ug/l*	EPA .200.8	2	02/17/2022 16:16 BJ

MARTEL NO. 60430 21 CLIENT SAMPLE IDENTIFICATION MES-21-DC [water fountain - Left--corridor] Sample Date/Time 11/23/2021 05:45

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	02/17/2022 16:19 BJ

MARTEL NO. 60430 22 CLIENT SAMPLE IDENTIFICATION MES-22-DC [water fountain - Right --corridor] Sample Date/Time 11/23/2021 05:45

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	02/17/2022 16:21 BJ

MARTEL NO. 60430 23 CLIENT SAMPLE IDENTIFICATION MES-23-FC [sink--CR 106 (Sp-Ed)Pull Out] Sample Date/Time 11/23/2021 05:46

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	2.33	ug/l	EPA .200.8	2	02/17/2022 16:24 BJ

MARTEL NO. 60430 24 CLIENT SAMPLE IDENTIFICATION MES-24-DB [bubbler--CR 106 (Sp-Ed)Pull Out] Sample Date/Time 11/23/2021 05:46

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	7.73	ug/l*	EPA .200.8	2	02/17/2022 16:34 BJ

MARTEL NO. 60430 27 CLIENT SAMPLE IDENTIFICATION MES-27-FC [sink - Center of room--CR 108 (Sp-Ed)SOAR] Sample Date/Time 11/23/2021 05:47

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	19.8	ug/l*	EPA .200.8	2	02/17/2022 16:39 BJ

MARTEL NO. 60430 28 CLIENT SAMPLE IDENTIFICATION MES-28-DB [bubbler--CR 108 (Sp-Ed)SOAR] Sample Date/Time 11/23/2021 05:47

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	41.3	ug/l*	EPA .200.8	2	02/17/2022 16:41 BJ

MARTEL NO. 60430 29 CLIENT SAMPLE IDENTIFICATION MES-29-FC [sink - Next to stove--CR 108 (Sp-Ed)SOAR] Sample Date/Time 11/23/2021 05:47

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	2.23	ug/l	EPA .200.8	2	02/17/2022 16:44 BJ



Certificate of Analysis

MARTEL NO. 60430 36 MES-36-DC CLIENT SAMPLE IDENTIFICATION [water fountain --corridor] Sample Date/Time 11/23/2021 05:50

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	02/17/2022 16:46 BJ

MARTEL NO. 60430 37 MES-37-DC CLIENT SAMPLE IDENTIFICATION [water fountain --corridor] Sample Date/Time 11/23/2021 05:51

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	02/17/2022 16:49 BJ

MARTEL NO. 60430 42 MES-42-FC CLIENT SAMPLE IDENTIFICATION [sink--Classroom 115] Sample Date/Time 11/23/2021 05:52

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	02/17/2022 16:51 BJ

MARTEL NO. 60430 43 MES-43-DB CLIENT SAMPLE IDENTIFICATION [bubbler--Classroom 115] Sample Date/Time 11/23/2021 05:00

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

MARTEL NO. 60430 48 MES-48-DC CLIENT SAMPLE IDENTIFICATION [water fountain - Left--corridor] Sample Date/Time 11/23/2021 05:55

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	02/17/2022 16:54 BJ

MARTEL NO. 60430 49 MES-49-DC CLIENT SAMPLE IDENTIFICATION [water fountain - Right --corridor] Sample Date/Time 11/23/2021 05:00

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

MARTEL NO. 60430 50 MES-50-BU CLIENT SAMPLE IDENTIFICATION [Bottle Filler--Cafeteria] Sample Date/Time 11/23/2021 05:36

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	02/17/2022 17:01 BJ

MARTEL NO. 60430 51 MES-51-BU CLIENT SAMPLE IDENTIFICATION [Bottle Filler--Corridor] Sample Date/Time 11/23/2021 05:40

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	02/17/2022 17:09 BJ



Certificate of Analysis

MARTEL NO. 60430 52 CLIENT SAMPLE IDENTIFICATION MES-52-BU [Bottle Filler--Corridor] Sample Date/Time 11/23/2021 05:51

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	02/17/2022 17:12 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: 11/23/12 536 End Date/Time: 11/23/12 553

Sampler/Relinquished By: [Signature] Received at Martel by: [Signature] Date/Time: 11/23/12 1000

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

ALL OUTLET WERE FLUSHED THE NIGHT BEFORE SAMPLING BETWEEN THE HOURS OF 6 PM and 11 PM. WHEN SAMPLE TIMES ARE IDENTICAL, SAMPLING WAS PERFORMED IN LAB NUMBER ORDER

Martel NO:

60430

Martel #	Sample #	Location ID #	Fixture Type <small>(Sink, Bubbler, Water Fountain, Gooseneck, Ice Machine, Hose Bibb, etc.)</small>	Outlet Key Codes	Room/Location	Consumption C or NC?	Flush	Sample Time
							Flush Date	
1	1	MES-1-DC	water fountain	DC	cafeteria	C	✓	536
2	4	MES-4-FC	2 comp sink(near boiler room)	FC	kitchen	C	✓	534
3	5	MES-5-IM	Ice Machine	IM	kitchen (near boiler room)	C	✓	↓
4	6	MES-6-FC	2 comp sink(near manager's office)	FC	kitchen (near manager's office)	C	✓	↓
5	7	MES-7-DC	water fountain	DC	gym	C	✓	537
6	8	MES-8-FC	sink	FC	nurse office	C	✓	538
7	9	MES-9-DC	water fountain - Left	DC	corridor	C	✓	539
8	10	MES-10-DC	water fountain - Right	DC	corridor	C	✓	↓
9	11	MES-11-DC	water fountain	DC	corridor	C	✓	540
10	12	MES-12-FC	sink	FC	Classroom 101 - PreK	C	✓	541
11	13	MES-13-DB	bubbler	DB	Classroom 101 - PreK	C	✓	↓
12	14	MES-14-FC	sink	FC	Classroom 103 - K	C	✓	544
13	15	MES-15-DB	bubbler	DB	Classroom 103 - K	C	✓	↓
14	16	MES-16-FC	sink	FC	Classroom 130 - K	C	✓	549
15	17	MES-17-DB	bubbler	DB	Classroom 130 - K	C	✓	↓
16	19	MES-19-FC	sink	FC	Classroom 105 - K	C	✓	543
17	20	MES-20-DB	bubbler	DB	Classroom 105 - K	C	✓	↓
18	21	MES-21-DC	water fountain - Left	DC	corridor	C	✓	545
19	22	MES-22-DC	water fountain - Right	DC	corridor	C	✓	↓
20	23	MES-23-FC	sink	FC	CR 106 (Sp-Ed)Pull Out	C	✓	546
21	24	MES-24-DB	bubbler	DB	CR 106 (Sp-Ed)Pull Out	C	✓	↓
22	27	MES-27-FC	sink - Center of room	FC	CR 108 (Sp-Ed)SOAR	C	✓	547
23	28	MES-28-DB	bubbler	DB	CR 108 (Sp-Ed)SOAR	C	✓	↓
24	29	MES-29-FC	sink - Next to stove	FC	CR 108 (Sp-Ed)SOAR	C	✓	↓
25	36	MES-36-DC	water fountain	DC	corridor	C	✓	550

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ALL OUTLET WERE FLUSHED THE NIGHT BEFORE SAMPLING BETWEEN THE HOURS OF 6 PM and 11 PM. WHEN SAMPLE TIMES ARE IDENTICAL, SAMPLING WAS PERFORMED IN LAB NUMBER ORDER

Martel NO:

Flush 60430

26	37	MES-37-DC	water fountain	DC	corridor	C	✓	551
27	42	MES-42-FC	sink	FC	Classroom 115	C	✓	552
28	43	MES-43-DB	bubbler	DB	Classroom 115	C		removed.
29	48	MES-48-DC	water fountain - Left	DC	corridor	C	✓	553
30	49	MES-49-DC	water fountain - Right	DC	corridor	C		NW
31	50	MES-50-BU	Bottle Filler	BU	Cafeteria	C	✓	536
32	51	MES-51-BU	Bottle Filler	BU	Corridor	C	✓	540 551 540
33	52	MES-52-BU	Bottle Filler	BU	Corridor	C	✓	540

551

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