

Charles County Public Schools

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

Monday, February 26, 2024

Certificate of Analysis
FINAL

Project Information:

Report for Lab No: 70107.

First Draw samples flushed by Martel on November 6, 2023, sampled by Martel on November 7, 2023.

Project Identification: MD HB 270

School: William B. Wade Elementary School PSC #08.028

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.

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

Project Manager



MARTEL NO. 70107 1 CLIENT SAMPLE IDENTIFICATION WWES-1-IM Sample Date/Time 11/07/2023 06:55

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	02/05/2024 15:49 CSG

MARTEL NO. 70107 2 CLIENT SAMPLE IDENTIFICATION WWES-2-FC Sample Date/Time 11/07/2023 06:50

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	2.25	ug/l	EPA .200.8	2	02/16/2024 19:51 EK

MARTEL NO. 70107 3 CLIENT SAMPLE IDENTIFICATION WWES-3-FC Sample Date/Time 11/07/2023 06:50

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	02/05/2024 15:55 CSG

MARTEL NO. 70107 4 CLIENT SAMPLE IDENTIFICATION WWES-4-FC Sample Date/Time 11/07/2023 06:51

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	02/16/2024 20:03 EK

MARTEL NO. 70107 5 CLIENT SAMPLE IDENTIFICATION WWES-5-FC Sample Date/Time 11/07/2023 06:51

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	02/16/2024 20:08 EK

MARTEL NO. 70107 6 CLIENT SAMPLE IDENTIFICATION WWES-6-FC Sample Date/Time 11/07/2023 06:51

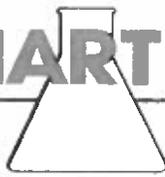
Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	2.35	ug/l	EPA .200.8	2	02/16/2024 20:10 EK

MARTEL NO. 70107 7 CLIENT SAMPLE IDENTIFICATION WWES-7-DC Sample Date/Time 11/07/2023 06:56

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	02/16/2024 20:13 EK

MARTEL NO. 70107 8 CLIENT SAMPLE IDENTIFICATION WWES-8-DC Sample Date/Time 11/07/2023 07:00

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	02/16/2024 20:15 EK



MARTEL NO. 70107 9 CLIENT SAMPLE IDENTIFICATION WWES-9-DC Sample Date/Time 11/07/2023 07:01

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	02/16/2024 20:17 EK

MARTEL NO. 70107 22 CLIENT SAMPLE IDENTIFICATION WWES-22-FC Sample Date/Time 11/07/2023 07:06

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	02/16/2024 20:20 EK

MARTEL NO. 70107 23 CLIENT SAMPLE IDENTIFICATION WWES-23-DB Sample Date/Time 11/07/2023 07:06

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	02/16/2024 20:22 EK

MARTEL NO. 70107 24 CLIENT SAMPLE IDENTIFICATION WWES-24-FC Sample Date/Time 11/07/2023 07:09

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	02/16/2024 20:25 EK

MARTEL NO. 70107 25 CLIENT SAMPLE IDENTIFICATION WWES-25-DB Sample Date/Time 11/07/2023 07:09

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	02/16/2024 20:27 EK

MARTEL NO. 70107 32 CLIENT SAMPLE IDENTIFICATION WWES-32-DC Sample Date/Time 11/07/2023 07:11

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	02/16/2024 20:34 EK

MARTEL NO. 70107 33 CLIENT SAMPLE IDENTIFICATION WWES-33-FC Sample Date/Time 11/07/2023 07:15

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	02/16/2024 20:42 EK

MARTEL NO. 70107 34 CLIENT SAMPLE IDENTIFICATION WWES-34-DB Sample Date/Time 11/07/2023 07:15

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	2.61	ug/l	EPA .200.8	2	02/16/2024 20:44 EK



MARTEL NO. 70107 51 CLIENT SAMPLE IDENTIFICATION WWES-51-DC Sample Date/Time 11/07/2023 07:26

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	02/16/2024 20:47 EK

MARTEL NO. 70107 58 CLIENT SAMPLE IDENTIFICATION WWES-58-FC Sample Date/Time 11/07/2023 07:27

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	02/16/2024 20:49 EK

MARTEL NO. 70107 59 CLIENT SAMPLE IDENTIFICATION WWES-59-DB Sample Date/Time 11/07/2023 07:27

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	02/16/2024 20:52 EK

MARTEL NO. 70107 60 CLIENT SAMPLE IDENTIFICATION WWES-60-FC Sample Date/Time 11/07/2023 07:27

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	02/16/2024 20:54 EK

MARTEL NO. 70107 61 CLIENT SAMPLE IDENTIFICATION WWES-61-DB Sample Date/Time 11/07/2023 07:27

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	2.16	ug/l	EPA .200.8	2	02/16/2024 20:56 EK

MARTEL NO. 70107 70 CLIENT SAMPLE IDENTIFICATION WWES-70-FC Sample Date/Time 11/07/2023 07:28

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	02/16/2024 20:59 EK

MARTEL NO. 70107 71 CLIENT SAMPLE IDENTIFICATION WWES-71-DB Sample Date/Time 11/07/2023 07:28

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	02/15/2024 15:17 BJ

MARTEL NO. 70107 72 CLIENT SAMPLE IDENTIFICATION WWES-72-FC Sample Date/Time 11/07/2023 07:29

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	02/16/2024 21:01 EK



MARTEL NO. 70107 73 CLIENT SAMPLE IDENTIFICATION WWES-73-DB Sample Date/Time 11/07/2023 07:29

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	2.06	ug/l	EPA .200.8	2	02/16/2024 21:11 EK

MARTEL NO. 70107 74 CLIENT SAMPLE IDENTIFICATION WWES-74-FC Sample Date/Time 11/07/2023 07:30

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	2.97	ug/l	EPA .200.8	2	02/16/2024 21:16 EK

MARTEL NO. 70107 76 CLIENT SAMPLE IDENTIFICATION WWES-76-FC Sample Date/Time 11/07/2023 07:30

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	2.24	ug/l	EPA .200.8	2	02/16/2024 21:18 EK

MARTEL NO. 70107 77 CLIENT SAMPLE IDENTIFICATION WWES-77-DB Sample Date/Time 11/07/2023 07:30

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	02/16/2024 21:21 EK

MARTEL NO. 70107 78 CLIENT SAMPLE IDENTIFICATION WWES-78-FC Sample Date/Time 11/07/2023 07:30

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	02/16/2024 21:23 EK

MARTEL NO. 70107 79 CLIENT SAMPLE IDENTIFICATION WWES-79-DB Sample Date/Time 11/07/2023 07:30

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	02/16/2024 21:26 EK

MARTEL NO. 70107 80 CLIENT SAMPLE IDENTIFICATION WWES-80-DC Sample Date/Time 11/07/2023 07:30

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	02/16/2024 21:28 EK

MARTEL NO. 70107 81 CLIENT SAMPLE IDENTIFICATION WWES-81-FC Sample Date/Time 11/07/2023 07:32

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	02/16/2024 21:31 EK



Certificate of Analysis

MARTEL NO.	CLIENT SAMPLE IDENTIFICATION				Sample Date/Time
70107 84	WWES-84-FC				11/07/2023 07:35
Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	02/16/2024 21:33 EK
70107 85	WWES-85-DB				11/07/2023 07:35
Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	02/16/2024 21:35 EK
70107 86	WWES-86-FC				11/07/2023 07:35
Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	02/16/2024 21:43 EK
70107 87	WWES-87-FC				11/07/2023 07:44
Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	02/16/2024 21:50 EK
70107 90	WWES-90-FC				11/07/2023 07:40
Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	02/16/2024 21:53 EK
70107 91	WWES-91-FC				11/07/2023 07:42
Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	02/16/2024 21:55 EK
70107 93	WWES-93-BU				11/07/2023 07:00
Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	02/16/2024 21:58 EK
70107 94	WWES-94-BU				11/07/2023 07:01
Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	02/16/2024 22:00 EK



MARTEL NO. 70107 95 CLIENT SAMPLE IDENTIFICATION WWES-95-BU Sample Date/Time 11/07/2023 07:11

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	02/16/2024 22:02 EK

MARTEL NO. 70107 96 CLIENT SAMPLE IDENTIFICATION WWES-96-BU Sample Date/Time 11/07/2023 07:15

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	02/16/2024 22:05 EK

MARTEL NO. 70107 2F CLIENT SAMPLE IDENTIFICATION WWES-2-FC Sample Date/Time 11/07/2023 07:50

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	02/16/2024 22:07 EK

MARTEL NO. 70107 3F CLIENT SAMPLE IDENTIFICATION WWES-3-FC Sample Date/Time 11/07/2023 07:50

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	02/16/2024 22:10 EK

MARTEL NO. 70107 4F CLIENT SAMPLE IDENTIFICATION WWES-4-FC Sample Date/Time 11/07/2023 07:50

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	02/16/2024 22:19 EK

MARTEL NO. 70107 5F CLIENT SAMPLE IDENTIFICATION WWES-5-FC Sample Date/Time 11/07/2023 07:50

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	02/16/2024 22:24 EK

MARTEL NO. 70107 6F CLIENT SAMPLE IDENTIFICATION WWES-6-FC Sample Date/Time 11/07/2023 07:50

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	02/16/2024 22:27 EK

MARTEL Chain of Custody Record

Martel Laboratories IOS 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: 4/7/23 End Date/Time: 4/7/23

Sampler/Relinquished By: [Signature] Received at Martel by [Signature] Date/Time: _____

19 William B. Wade Elementary School PSC #08.028

First Draw

2300 Smallwood Drive West Waldorf, MD 20603

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

Martel NO:

70107

Martel #	Sample #	Location ID #	Fixture Type <small>(Sink, Bubbler, Water Fountain, Goose-neck Ice Machine, Hose Bibb)</small>	Outlet Key Codes	Room/Location	Consumption C or NC?	Flush	Sample Time
							Flush Date	
1	1	WWES-1-IM	Ice Machine	IM	kitchen	C	✓	6:55
2	2	WWES-2-FC	sink	FC	kitchen 2 comp sink	C	✓	6:50
3	3	WWES-3-FC	island sink - Next to ice maker	FC	kitchen	C	✓	6:50
4	4	WWES-4-FC	island sink	FC	kitchen	C	✓	6:57
5	5	WWES-5-FC	Sink - Left fixture	FC	Kitchen - Left Fixture on 3 Comp Sink	C	✓	6:57
6	6	WWES-6-FC	Sink - Right fixture	FC	Kitchen - Right Fixture on 3 Comp Sink	C	✓	6:57
7	7	WWES-7-DC	water fountain	DC	kitchen	C	✓	6:56
8	8	WWES-8-DC	water fountain	DC	corridor	C	✓	7:00
9	9	WWES-9-DC	water fountain	DC	corridor	C	✓	7:01
10	22	WWES-22-FC	sink	FC	CR 117 (Sp-Ed) SOAR	C	✓	7:06
11	23	WWES-23-DB	bubbler	DB	CR 117 (Sp-Ed) SOAR	C	✓	7:06
12	24	WWES-24-FC	sink	FC	Classroom 110 - K	C	✓	7:09
13	25	WWES-25-DB	bubbler	DB	Classroom 110 - K	C	✓	7:09
14	32	WWES-32-DC	water fountain	DC	corridor	C	✓	7:11
15	33	WWES-33-FC	sink	FC	CR 118 (Sp-Ed) SOAR	C	✓	7:15
16	34	WWES-34-DB	bubbler	DB	CR 118 (Sp-Ed) SOAR	C	✓	7:15
17	51	WWES-51-DC	water fountain	DC	corridor	C	✓	7:26
18	58	WWES-58-FC	sink - Left	FC	Classroom 132 - Pre-K	C	✓	7:27
19	59	WWES-59-DB	bubbler - Left	DB	Classroom 132 - Pre-K	C	✓	7:27
20	60	WWES-60-FC	sink - Right	FC	Classroom 132 - Pre-K	C	✓	7:27
21	61	WWES-61-DB	bubbler - Right	DB	Classroom 132 - Pre-K	C	✓	7:27
22	70	WWES-70-FC	sink	FC	CR 108 (Sp-Ed) Pull Out	C	✓	7:28

19 William B. Wade Elementary School PSC #08.028

First Draw

2300 Smallwood Drive West Waldorf, MD 20603

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

Martel NO:

Flush 70107

							Flush	Martel NO:
23	71	WWES-71-DB	bubbler	DB	CR 108 (Sp-Ed) Pull Out	C	✓	728
24	72	WWES-72-FC	sink	FC	Classroom 103 - K	C	✓	729
25	73	WWES-73-DB	bubbler	DB	Classroom 103 - K	C	✓	↓
26	74	WWES-74-FC	sink on left	FC	Classroom 102 - K	C	✓	730
27	76	WWES-76-FC	sink on right	FC	Classroom 102 - K	C	✓	↓
28	77	WWES-77-DB	bubbler on right	DB	Classroom 102 - K	C	✓	↓
29	78	WWES-78-FC	sink	FC	Classroom 109 - K	C	✓	730
30	79	WWES-79-DB	bubbler	DB	Classroom 109 - K	C	✓	730
31	80	WWES-80-DC	water fountain	DC	corridor	C	✓	730
32	81	WWES-81-FC	sink on left	FC	Classroom 101 - K	C	✓	732
33	84	WWES-84-FC	sink on left	FC	Classroom 100 - Pre-K	C	✓	733
34	85	WWES-85-DB	bubbler	DB	Classroom 100 - Pre-K	C	✓	735
35	86	WWES-86-FC	sink on right	FC	Classroom 100 - Pre-K	C	✓	755
36	87	WWES-87-FC	sink	FC	teacher lounge	C	✓	740 744
37	90	WWES-90-FC	sink on right	FC	CR 116 (Sp-Ed) Pull Out	C	✓	740
38	91	WWES-91-FC	sink on right	FC	CR 119 (Sp-Ed) Sensory	C	✓	742
39	93	WWES-93-BU	Bottle Filler	BU	Corridor	C	✓	700 →
40	94	WWES-94-BU	Bottle Filler	BU	Corridor	C	✓	700
41	95	WWES-95-BU	Bottle Filler	BU	Corridor	C	✓	711
42	96	WWES-96-BU	Bottle Filler	BU	Corridor	C	✓	A.C
43	2	WWES-2-FC	sink	FC	kitchen 2 comp sink	C	XXX	Flush at end, record time 750 28
44	3	WWES-3-FC	island sink - Next to ice maker	FC	kitchen	C	XXX	Flush at end, record time 750 ✓
45	4	WWES-4-FC	island sink	FC	kitchen	C	XXX	Flush at end, record time 750 ✓
46	5	WWES-5-FC	Sink - Left fixture	FC	Kitchen - Left Fixture on 3 Comp Sink	C	XXX	Flush at end, record time 750 ✓
47	6	WWES-6-FC	Sink - Right fixture	FC	Kitchen - Right Fixture on 3 Comp Sink	C	XXX	Flush at end, record time 750 ✓
48	7	WWES-7-DC	water fountain	DC	kitchen	C	XXX	Flush at end, record time 750 ✓

P09