



**Charles County Public Schools**

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

**Attention:**

Monday, February 14, 2022

***Certificate of Analysis***

**FINAL**

**Project Information:**

Report for Lab No: 60427.  
Samples flushed by Martel on November 19, 2021, sampled by Martel on November 20, 2021.  
Project Identification: MD HB 270  
School: William A. Diggs Elementary School PSC #08.047

**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. 60427 1 CLIENT SAMPLE IDENTIFICATION WDES-1-FC [Sink - Left fixture--Kitchen - Left Fixture on] Sample Date/Time 11/20/2021 07:34

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	2.58	ug/l	EPA .200.8	2	02/12/2022 13:27 BJ

MARTEL NO. 60427 2 CLIENT SAMPLE IDENTIFICATION WDES-2-FC [Sink - Right fixture--Kitchen - Right Fixture o] Sample Date/Time 11/20/2021 07:34

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	02/12/2022 13:29 BJ

MARTEL NO. 60427 3 CLIENT SAMPLE IDENTIFICATION WDES-3-IM [Ice Machine --Kitchen] Sample Date/Time 11/20/2021 07:35

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	02/12/2022 13:43 BJ

MARTEL NO. 60427 4 CLIENT SAMPLE IDENTIFICATION WDES-4-FC [sink - next to ice maker--Kitchen] Sample Date/Time 11/20/2021 07:35

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	02/12/2022 13:38 BJ

MARTEL NO. 60427 5 CLIENT SAMPLE IDENTIFICATION WDES-5-FC [sink--kitchen sink 2 comp] Sample Date/Time 11/20/2021 07:36

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	5.67	ug/l*	EPA .200.8	2	02/12/2022 13:46 BJ

MARTEL NO. 60427 6 CLIENT SAMPLE IDENTIFICATION WDES-6-FC [sink - by locker room--kitchen] Sample Date/Time 11/20/2021 07:36

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	4.19	ug/l	EPA .200.8	2	02/12/2022 13:48 BJ

MARTEL NO. 60427 7 CLIENT SAMPLE IDENTIFICATION WDES-7-DC [water fountain- on left--corridor wing] Sample Date/Time 11/20/2021 07:45

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	02/12/2022 13:51 BJ

MARTEL NO. 60427 8 CLIENT SAMPLE IDENTIFICATION WDES-8-DC [water fountain - on right--corridor wing] Sample Date/Time 11/20/2021 07:45

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	02/12/2022 13:53 BJ



MARTEL NO. 60427 15 CLIENT SAMPLE IDENTIFICATION WDES-15-FC [sink--Classroom D 131 - Pre-K] Sample Date/Time 11/20/2021 07:50

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	02/12/2022 13:55 BJ

MARTEL NO. 60427 16 CLIENT SAMPLE IDENTIFICATION WDES-16-DB [bubbler--Classroom D 131 - Pre-K] Sample Date/Time 11/20/2021 07:50

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	02/12/2022 13:58 BJ

MARTEL NO. 60427 17 CLIENT SAMPLE IDENTIFICATION WDES-17-FC [sink--Classroom D 134 - K] Sample Date/Time 11/20/2021 07:55

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	02/12/2022 14:00 BJ

MARTEL NO. 60427 18 CLIENT SAMPLE IDENTIFICATION WDES-18-DB [bubbler--Classroom D 134 - K] Sample Date/Time 11/20/2021 07:55

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	02/12/2022 14:03 BJ

MARTEL NO. 60427 19 CLIENT SAMPLE IDENTIFICATION WDES-19-FC [sink--Classroom D 137 - K] Sample Date/Time 11/20/2021 07:57

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	198	ug/l*	EPA .200.8	2	02/12/2022 14:15 BJ

MARTEL NO. 60427 20 CLIENT SAMPLE IDENTIFICATION WDES-20-DB [bubbler--Classroom D 137 - K] Sample Date/Time 11/20/2021 07:57

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	02/12/2022 14:27 BJ

MARTEL NO. 60427 21 CLIENT SAMPLE IDENTIFICATION WDES-21-FC [sink--Classroom D 104 - K] Sample Date/Time 11/20/2021 07:55

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	02/12/2022 14:30 BJ

MARTEL NO. 60427 22 CLIENT SAMPLE IDENTIFICATION WDES-22-DB [bubbler--Classroom D 104 - K] Sample Date/Time 11/20/2021 07:55

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	02/12/2022 14:32 BJ



MARTEL NO. 60427 23 CLIENT SAMPLE IDENTIFICATION WDES-23-FC [sink--Classroom D 107 - K] Sample Date/Time 11/20/2021 07:53

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	02/12/2022 14:34 BJ

MARTEL NO. 60427 24 CLIENT SAMPLE IDENTIFICATION WDES-24-DB [bubbler--Classroom D 107 - K] Sample Date/Time 11/20/2021 07:00

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

MARTEL NO. 60427 25 CLIENT SAMPLE IDENTIFICATION WDES-25-FC [sink--Classroom D 110 - K] Sample Date/Time 11/20/2021 07:59

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	02/12/2022 14:37 BJ

MARTEL NO. 60427 26 CLIENT SAMPLE IDENTIFICATION WDES-26-DB [bubbler--Classroom D 110 - K] Sample Date/Time 11/20/2021 07:59

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	02/12/2022 14:39 BJ

MARTEL NO. 60427 31 CLIENT SAMPLE IDENTIFICATION WDES-31-FC [sink--CR D 117 (Sp-Ed) SOAR] Sample Date/Time 11/20/2021 07:46

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	02/12/2022 14:41 BJ

MARTEL NO. 60427 32 CLIENT SAMPLE IDENTIFICATION WDES-32-DB [bubbler--CR D 117 (Sp-Ed) SOAR] Sample Date/Time 11/20/2021 07:46

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	02/12/2022 14:44 BJ

MARTEL NO. 60427 53 CLIENT SAMPLE IDENTIFICATION WDES-53-DC [water fountain- on left--corridor ] Sample Date/Time 11/20/2021 08:01

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	02/12/2022 14:46 BJ

MARTEL NO. 60427 54 CLIENT SAMPLE IDENTIFICATION WDES-54-DC [water fountain- on right--corridor] Sample Date/Time 11/20/2021 08:01

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	02/12/2022 14:56 BJ



MARTEL NO. 60427 63 CLIENT SAMPLE IDENTIFICATION WDES-63-FC [sink--CR F 126 (Sp-Ed) Pull Out] Sample Date/Time 11/20/2021 08:03

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	02/12/2022 15:01 BJ

MARTEL NO. 60427 64 CLIENT SAMPLE IDENTIFICATION WDES-64-DB [bubbler--CR F 126 (Sp-Ed) Pull Out] Sample Date/Time 11/20/2021 08:03

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	02/12/2022 15:04 BJ

MARTEL NO. 60427 77 CLIENT SAMPLE IDENTIFICATION WDES-77-DC [water fountain- on left--corridor] Sample Date/Time 11/20/2021 08:05

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	02/12/2022 15:06 BJ

MARTEL NO. 60427 78 CLIENT SAMPLE IDENTIFICATION WDES-78-DC [water fountain - on right--corridor] Sample Date/Time 11/20/2021 08:05

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	02/12/2022 15:09 BJ

MARTEL NO. 60427 81 CLIENT SAMPLE IDENTIFICATION WDES-81-FC [sink--Health Room A119] Sample Date/Time 11/20/2021 08:09

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	02/12/2022 15:11 BJ

MARTEL NO. 60427 82 CLIENT SAMPLE IDENTIFICATION WDES-82-FC [sink--Health Room A120] Sample Date/Time 11/20/2021 08:09

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	2.06	ug/l	EPA .200.8	2	02/12/2022 15:13 BJ

MARTEL NO. 60427 83 CLIENT SAMPLE IDENTIFICATION WDES-83-DB [bubbler--Health Room A120] Sample Date/Time 11/20/2021 08:09

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	02/12/2022 15:16 BJ

MARTEL NO. 60427 84 CLIENT SAMPLE IDENTIFICATION WDES-84-FC [sink--Staff Lounge A136] Sample Date/Time 11/20/2021 07:40

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	02/12/2022 15:18 BJ



# Certificate of Analysis

MARTEL NO. 60427 87 CLIENT SAMPLE IDENTIFICATION WDES-87-DC [water fountain- See map--corridor #87-#90 left] Sample Date/Time 11/20/2021 07:43

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	02/12/2022 15:21 BJ

MARTEL NO. 60427 88 CLIENT SAMPLE IDENTIFICATION WDES-88-DC [water fountain- See map--corridor #87-#90 left] Sample Date/Time 11/20/2021 07:43

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	02/12/2022 15:33 BJ

MARTEL NO. 60427 89 CLIENT SAMPLE IDENTIFICATION WDES-89-DC [water fountain- See map--corridor #87-#90 left] Sample Date/Time 11/20/2021 07:43

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	02/12/2022 15:45 BJ

MARTEL NO. 60427 90 CLIENT SAMPLE IDENTIFICATION WDES-90-DC [water fountain- See map--corridor #87-#90 left] Sample Date/Time 11/20/2021 07:43

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	02/12/2022 15:48 BJ

MARTEL NO. 60427 91 CLIENT SAMPLE IDENTIFICATION WDES-91-FC [sink--classroom B116 - coffee pot manual fill] Sample Date/Time 11/20/2021 07:45

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	02/12/2022 15:50 BJ

MARTEL NO. 60427 92 CLIENT SAMPLE IDENTIFICATION WDES-92-FC [sink--CR B111 (Sp-Ed) SOAR] Sample Date/Time 11/20/2021 08:15

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	02/12/2022 15:53 BJ

MARTEL NO. 60427 93 CLIENT SAMPLE IDENTIFICATION WDES-93-DB [bubbler--CR B111 (Sp-Ed) SOAR] Sample Date/Time 11/20/2021 08:15

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	02/12/2022 15:55 BJ

MARTEL NO. 60427 94 CLIENT SAMPLE IDENTIFICATION WDES-94-DC [water fountain - on left--Main office ] Sample Date/Time 11/20/2021 08:12

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	02/12/2022 15:57 BJ



**Certificate of Analysis**

MARTEL NO. 60427 95 CLIENT SAMPLE IDENTIFICATION WDES-95-DC [water fountain - on right--Main office ] Sample Date/Time 11/20/2021 08:12

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	02/12/2022 16:00 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 HNO<sub>3</sub> Analysis: Lead (EPA 200.8)

Sample Start Date/Time: 11/20/21 0734 End Date/Time: 11/20/21 0815

Sampler/Relinquished By: DS David Smith Received at Martel by [Signature] Date/Time: 11/22/21

23 William A. Diggs Elementary School PSC #08.047  
2615 Davis Road Waldorf, MD 20603

**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 60427**

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 NCT	Flush	Sample Time
							Flush Date	
1	1	WDES-1-FC	Sink - Left fixture	FC	Kitchen - Left Fixture on 3 Comp Sink	C	11/19/21	0734
2	2	WDES-2-FC	Sink - Right fixture	FC	Kitchen - Right Fixture on 3 Comp Sink	C		0734
3	3	WDES-3-IM	Ice Machine	IM	Kitchen	C		0735
4	4	WDES-4-FC	sink - next to ice maker	FC	Kitchen	C		0735
5	5	WDES-5-FC	sink	FC	kitchen sink 2 comp	C		0736
6	6	WDES-6-FC	sink - by locker room	FC	kitchen	C		0736
7	7	WDES-7-DC	water fountain- on left	DC	corridor wing	C		0745
8	8	WDES-8-DC	water fountain - on right	DC	corridor wing	C		0745
9	15	WDES-15-FC	sink	FC	Classroom D 131 - Pre-K	C		0750
10	16	WDES-16-DB	bubbler	DB	Classroom D 131 - Pre-K	C		0750
11	17	WDES-17-FC	sink	FC	Classroom D 134 - K	C		0755
12	18	WDES-18-DB	bubbler	DB	Classroom D 134 - K	C		0755
13	19	WDES-19-FC	sink	FC	Classroom D 137 - K	C		0757
14	20	WDES-20-DB	bubbler	DB	Classroom D 137 - K	C		0757
15	21	WDES-21-FC	sink	FC	Classroom D 104 - K	C		0755
16	22	WDES-22-DB	bubbler	DB	Classroom D 104 - K	C		0755
17	23	WDES-23-FC	sink	FC	Classroom D 107 - K	C		0753
18	24	WDES-24-DB	bubbler	DB	Classroom D 107 - K	C		
19	25	WDES-25-FC	sink	FC	Classroom D 110 - K	C		0759
20	26	WDES-26-DB	bubbler	DB	Classroom D 110 - K	C		0759
21	31	WDES-31-FC	sink	FC	CR D 117 (Sp-Ed) SOAR	C		0746
22	32	WDES-32-DB	bubbler	DB	CR D 117 (Sp-Ed) SOAR	C		0746
23	53	WDES-53-DC	water fountain- on left	DC	corridor	C		0801
24	54	WDES-54-DC	water fountain- on right	DC	corridor	C		0801
25	63	WDES-63-FC	sink	FC	CR F 126 (Sp-Ed) Pull Out	C		0803

bubbler not functional

P08



23 William A. Diggs Elementary School PSC #08.047

2615 Davis Road Waldorf, MD 20603

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 60427

26	64	WDES-64-DB	bubbler	DB	CR F 126 (Sp-Ed) Pull Out	C	4/12/21	0803	
27	77	WDES-77-DC	water fountain- on left	DC	corridor	C		0805	
28	78	WDES-78-DC	water fountain - on right	DC	corridor	C		0805	
29	81	WDES-81-FC	sink	FC	Health Room A119	C		0809	
30	82	WDES-82-FC	sink	FC	Health Room A120	C		0809	
31	83	WDES-83-DB	bubbler	DB	Health Room A120	C		0809	
32	84	WDES-84-FC	sink	FC	Staff Lounge A136	C		0740	
33	87	WDES-87-DC	water fountain- See map	DC	corridor #87-#90 left to right	C		0743	
34	88	WDES-88-DC	water fountain- See map	DC	corridor #87-#90 left to right	C		0743	
35	89	WDES-89-DC	water fountain- See map	DC	corridor #87-#90 left to right	C		0743	
36	90	WDES-90-DC	water fountain- See map	DC	corridor #87-#90 left to right	C		0743	
37	91	WDES-91-FC	sink	FC	classroom B116 - coffee pot manual fill	C		0745	
38	92	WDES-92-FC	sink	FC	CR B111 (Sp-Ed) SOAR	C		0815	
39	93	WDES-93-DB	bubbler	DB	CR B111 (Sp-Ed) SOAR	C		0815	
40	94	WDES-94-DC	water fountain - on left	DC	Main office	C		0812	
41	95	WDES-95-DC	water fountain - on right	DC	Main office	C	✓	0812	