



Charles County Public Schools

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

Attention:

Monday, March 7, 2022

Certificate of Analysis

FINAL

Project Information:

Report for Lab No: 60429.
Samples flushed by Martel on November 22, 2021, sampled by Martel on November 23, 2021.
Project Identification: MD HB 270
School: Arthur Middleton ES PSC #089.011

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. 60429 1 CLIENT SAMPLE IDENTIFICATION AMES-1-FC [Sink - Left fixture--Kitchen - Left Fixture on] Sample Date/Time 11/23/2021 04:49

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	7.80	ug/l*	EPA .200.8	2	02/18/2022 19:23 BJ

MARTEL NO. 60429 2 CLIENT SAMPLE IDENTIFICATION AMES-2-FC [Sink - Right fixture--Kitchen - Right Fixture o] Sample Date/Time 11/23/2021 04:49

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	2.49	ug/l	EPA .200.8	2	02/18/2022 19:25 BJ

MARTEL NO. 60429 4 CLIENT SAMPLE IDENTIFICATION AMES-4-FC [Island sink--kitchen island] Sample Date/Time 11/23/2021 04:49

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	6.68	ug/l*	EPA .200.8	2	02/18/2022 19:28 BJ

MARTEL NO. 60429 5 CLIENT SAMPLE IDENTIFICATION AMES-5-FC [sink--kitchen sink] Sample Date/Time 11/23/2021 04:50

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	3.07	ug/l	EPA .200.8	2	02/18/2022 19:30 BJ

MARTEL NO. 60429 6 CLIENT SAMPLE IDENTIFICATION AMES-6-IM [Ice Machine --kitchen] Sample Date/Time 11/23/2021 04:50

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	02/18/2022 19:33 BJ

MARTEL NO. 60429 9 CLIENT SAMPLE IDENTIFICATION AMES-9-FC [sink - Left--CR 112 (Sp-Ed) Life Skills] Sample Date/Time 11/23/2021 04:55

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	03/04/2022 19:24 BJ

MARTEL NO. 60429 10 CLIENT SAMPLE IDENTIFICATION AMES-10-DB [bubbler--CR 112 (Sp-Ed) Life Skills] Sample Date/Time 11/23/2021 04:55

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	4.41	ug/l	EPA .200.8	2	02/18/2022 19:38 BJ

MARTEL NO. 60429 11 CLIENT SAMPLE IDENTIFICATION AMES-11-FC [Sink - Right--CR 112 (Sp-Ed) Life Skills] Sample Date/Time 11/23/2021 04:55

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	4.31	ug/l	EPA .200.8	2	02/18/2022 19:50 BJ



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MARTEL NO. 60429 16 CLIENT SAMPLE IDENTIFICATION AMES-16-FC [sink--CR 002 Nurse office] Sample Date/Time 11/23/2021 04:47

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	3.94	ug/l	EPA .200.8	2	02/18/2022 20:02 BJ

MARTEL NO. 60429 21 CLIENT SAMPLE IDENTIFICATION AMES-21-FC [sink--CR 100 staff lounge] Sample Date/Time 11/23/2021 04:45

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	3.30	ug/l	EPA .200.8	2	02/18/2022 20:05 BJ

MARTEL NO. 60429 23 CLIENT SAMPLE IDENTIFICATION AMES-23-FC [sink--CR 203 - Pre-K] Sample Date/Time 11/23/2021 05:10

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	10.4	ug/l*	EPA .200.8	2	02/18/2022 20:07 BJ

MARTEL NO. 60429 24 CLIENT SAMPLE IDENTIFICATION AMES-24-DB [bubbler--CR 203 - Pre-K] Sample Date/Time 11/23/2021 05:10

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	6.53	ug/l*	EPA .200.8	2	02/18/2022 20:10 BJ

MARTEL NO. 60429 25 CLIENT SAMPLE IDENTIFICATION AMES-25-FC [sink--CR 203 - Pre-K] Sample Date/Time 11/23/2021 05:10

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	3.09	ug/l	EPA .200.8	2	02/18/2022 20:12 BJ

MARTEL NO. 60429 33 CLIENT SAMPLE IDENTIFICATION AMES-33-FC [Sink - Right--CR 212 - K] Sample Date/Time 11/23/2021 04:59

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	02/18/2022 20:15 BJ

MARTEL NO. 60429 34 CLIENT SAMPLE IDENTIFICATION AMES-34-DB [bubbler--CR 212 - K] Sample Date/Time 11/23/2021 04:59

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	2.95	ug/l	EPA .200.8	2	02/18/2022 20:17 BJ

MARTEL NO. 60429 35 CLIENT SAMPLE IDENTIFICATION AMES-35-FC [sink - Next to closet--CR 330 - K] Sample Date/Time 11/23/2021 05:00

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	02/18/2022 20:19 BJ



MARTEL NO. 60429 36 CLIENT SAMPLE IDENTIFICATION AMES-36-DB [bubbler--CR 330 - K] Sample Date/Time 11/23/2021 05:00

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	02/18/2022 20:22 BJ

MARTEL NO. 60429 37 CLIENT SAMPLE IDENTIFICATION AMES-37-FC [sink - Next to stove--CR 330 - K] Sample Date/Time 11/23/2021 05:00

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	02/18/2022 20:32 BJ

MARTEL NO. 60429 38 CLIENT SAMPLE IDENTIFICATION AMES-38-FC [sink - Next to closet--CR 331 - K] Sample Date/Time 11/23/2021 05:03

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	02/18/2022 20:37 BJ

MARTEL NO. 60429 39 CLIENT SAMPLE IDENTIFICATION AMES-39-DB [bubbler--CR 331 - K] Sample Date/Time 11/23/2021 05:03

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	02/18/2022 20:39 BJ

MARTEL NO. 60429 40 CLIENT SAMPLE IDENTIFICATION AMES-40-FC [sink - Next to stove--CR 331 - K] Sample Date/Time 11/23/2021 05:03

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	02/18/2022 20:42 BJ

MARTEL NO. 60429 41 CLIENT SAMPLE IDENTIFICATION AMES-41-FC [sink - Next to closet--CR 333 - K] Sample Date/Time 11/23/2021 05:05

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	02/18/2022 20:44 BJ

MARTEL NO. 60429 42 CLIENT SAMPLE IDENTIFICATION AMES-42-DB [bubbler--CR 333 - K] Sample Date/Time 11/23/2021 05:05

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	02/18/2022 20:47 BJ

MARTEL NO. 60429 43 CLIENT SAMPLE IDENTIFICATION AMES-43-FC [sink - Next to stove--CR 333 - K] Sample Date/Time 11/23/2021 05:05

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	02/18/2022 20:49 BJ



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MARTEL NO. 60429 44 CLIENT SAMPLE IDENTIFICATION AMES-44-FC [sink - Next to closet--CR 334 - Pre-K] Sample Date/Time 11/23/2021 05:06

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	02/18/2022 20:52 BJ

MARTEL NO. 60429 45 CLIENT SAMPLE IDENTIFICATION AMES-45-DB [bubbler--CR 334 - Pre-K] Sample Date/Time 11/23/2021 05:06

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	02/18/2022 20:54 BJ

MARTEL NO. 60429 46 CLIENT SAMPLE IDENTIFICATION AMES-46-FC [sink - Next to stove--CR 334 - Pre-K] Sample Date/Time 11/23/2021 05:06

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	02/18/2022 20:57 BJ

MARTEL NO. 60429 48 CLIENT SAMPLE IDENTIFICATION AMES-48-DC [Water Fountain - Low--Corridor between Rm] Sample Date/Time 11/23/2021 04:49

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	02/25/2022 07:30 BJ

MARTEL NO. 60429 49 CLIENT SAMPLE IDENTIFICATION AMES-49-DC [Water Fountain - High--Corridor between Rm] Sample Date/Time 11/23/2021 04:49

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	02/25/2022 07:42 BJ

MARTEL NO. 60429 50 CLIENT SAMPLE IDENTIFICATION AMES-50-BU [Bottle Filler--Corridor between Rm 106 & 108] Sample Date/Time 11/23/2021 04:00

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

MARTEL NO. 60429 51 CLIENT SAMPLE IDENTIFICATION AMES-51-DC [Water Fountain - Low--Corridor between Rm] Sample Date/Time 11/23/2021 05:07

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	02/25/2022 07:44 BJ

MARTEL NO. 60429 52 CLIENT SAMPLE IDENTIFICATION AMES-52-DC [Water Fountain - High--Corridor between Rm] Sample Date/Time 11/23/2021 05:07

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	02/25/2022 07:46 BJ



MARTEL NO. 60429 53 CLIENT SAMPLE IDENTIFICATION AMES-53-BU [Bottle Filler--Corridor between Rm 207 & 209] Sample Date/Time 11/23/2021 05:00

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

MARTEL NO. 60429 54 CLIENT SAMPLE IDENTIFICATION AMES-54-DC [Water Fountain - Low--Corridor] Sample Date/Time 11/23/2021 04:58

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	02/25/2022 07:49 BJ

MARTEL NO. 60429 55 CLIENT SAMPLE IDENTIFICATION AMES-55-DC [Water Fountain - High--Corridor] Sample Date/Time 11/23/2021 04:58

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	02/25/2022 07:51 BJ

MARTEL NO. 60429 56 CLIENT SAMPLE IDENTIFICATION AMES-56-DC [Water Fountain - Low--Corridor] Sample Date/Time 11/23/2021 05:11

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	02/25/2022 07:54 BJ

MARTEL NO. 60429 57 CLIENT SAMPLE IDENTIFICATION AMES-57-DC [Water Fountain - High--Corridor] Sample Date/Time 11/23/2021 05:11

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	02/25/2022 07:56 BJ

MARTEL NO. 60429 58 CLIENT SAMPLE IDENTIFICATION AMES-58-DC [Water Fountain - Low--Corridor] Sample Date/Time 11/23/2021 04:46

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	03/01/2022 08:05 BJ

MARTEL NO. 60429 59 CLIENT SAMPLE IDENTIFICATION AMES-59-DC [Water Fountain - High--Corridor] Sample Date/Time 11/23/2021 04:46

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	02/25/2022 08:01 BJ

MARTEL NO. 60429 60 CLIENT SAMPLE IDENTIFICATION AMES-60-DC [Water Fountain - Low--Corridor] Sample Date/Time 11/23/2021 04:53

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	02/25/2022 08:11 BJ



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MARTEL NO.	CLIENT SAMPLE IDENTIFICATION	Sample Date/Time
60429 61	AMES-61-DC [Water Fountain - High--Corridor]	11/23/2021 04:53
Compound	Test Value Test Unit Method Detection Limit	Analysis Date/Time/Initial
Lead	<2 ug/l EPA .200.8 2	02/25/2022 08:16 BJ
60429 62	AMES-62-BU [Bottle Filler--Corridor]	11/23/2021 04:53
Compound	Test Value Test Unit Method Detection Limit	Analysis Date/Time/Initial
Lead	<2 ug/l EPA .200.8 2	02/25/2022 08:19 BJ
60429 63	AMES-63-BU [Bottle Filler--Corridor]	11/23/2021 04:58
Compound	Test Value Test Unit Method Detection Limit	Analysis Date/Time/Initial
Lead	<2 ug/l EPA .200.8 2	02/25/2022 08:21 BJ
60429 64	AMES-64-BU [Bottle Filler--Corridor]	11/23/2021 05:11
Compound	Test Value Test Unit Method Detection Limit	Analysis Date/Time/Initial
Lead	<2 ug/l EPA .200.8 2	02/25/2022 08:23 BJ
60429 65	AMES-65-BU [Bottle Filler--Corridor]	11/23/2021 04:46
Compound	Test Value Test Unit Method Detection Limit	Analysis Date/Time/Initial
Lead	<2 ug/l EPA .200.8 2	02/25/2022 08:26 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: 11/23/21 445 End Date/Time: 11/23/21 511

Sampler/Relinquished By: [Signature] Received at Martel by: [Signature] Date/Time: 11/23 10:00

09 Arthur Middleton Elementary School PSC #08.011
1109 Copley Avenue Waldorf, MD 20602

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 **60429**

Martel #	Sample #	Location ID #	Fixture Type <i>(Sink, Bubbler, Water Fountain, Gooseneck, Ice Machine, Hose Bibb, etc.)</i>	Outlet Key Codes	Room/Location	Consumption C or NC?	Flush	Sample Time
							Flush Date	
1	1	AMES-1-FC	Sink - Left fixture	FC	Kitchen - Left Fixture on 3 Comp Sink	C	✓	449
2	2	AMES-2-FC	Sink - Right fixture	FC	Kitchen - Right Fixture on 3 Comp Sink	C	✓	↓
3	4	AMES-4-FC	Island sink	FC	kitchen island	C	✓	↓
4	5	AMES-5-FC	sink	FC	kitchen sink	C	✓	450
5	6	AMES-6-IM	Ice Machine	IM	kitchen	C	✓	↓
6	9	AMES-9-FC	sink - Left	FC	CR 112 (Sp-Ed) Life Skills	C	✓	455
7	10	AMES-10-DB	bubbler	DB	CR 112 (Sp-Ed) Life Skills	C	✓	↓
8	11	AMES-11-FC	Sink - Right	FC	CR 112 (Sp-Ed) Life Skills	C	✓	↓
9	16	AMES-16-FC	sink	FC	CR 002 Nurse office	C	✓	447
10	21	AMES-21-FC	sink	FC	CR 100 staff lounge	C	✓	445
11	23	AMES-23-FC	sink	FC	CR 203 - Pre-K	C	✓	510
12	24	AMES-24-DB	bubbler	DB	CR 203 - Pre-K	C	✓	↓
13	25	AMES-25-FC	sink	FC	CR 203 - Pre-K	C	✓	↓
14	33	AMES-33-FC	Sink - Right	FC	CR 212 - K	C	✓	459
15	34	AMES-34-DB	bubbler	DB	CR 212 - K	C	✓	459
16	35	AMES-35-FC	sink - Next to closet	FC	CR 330 - K	C	✓	500
17	36	AMES-36-DB	bubbler	DB	CR 330 - K	C	✓	500
18	37	AMES-37-FC	sink - Next to stove	FC	CR 330 - K	C	✓	↓
19	38	AMES-38-FC	sink - Next to closet	FC	CR 331 - K	C	✓	503
20	39	AMES-39-DB	bubbler	DB	CR 331 - K	C	✓	↓
21	40	AMES-40-FC	sink - Next to stove	FC	CR 331 - K	C	✓	↓
22	41	AMES-41-FC	sink - Next to closet	FC	CR 333 - K	C	✓	505
23	42	AMES-42-DB	bubbler	DB	CR 333 - K	C	✓	↓
24	43	AMES-43-FC	sink - Next to stove	FC	CR 333 - K	C	✓	↓
25	44	AMES-44-FC	sink - Next to closet	FC	CR 334 - Pre-K	C	✓	506

09 Arthur Middleton Elementary School PSC #08.011

1109 Copley Avenue Waldorf, MD 20602

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 60429

26	45	AMES-45-DB	bubbler	DB	CR 334 - Pre-K	C	✓	506	
27	46	AMES-46-FC	sink - Next to stove	FC	CR 334 - Pre-K	C	✓	↓	
28	48	AMES-48-DC	Water Fountain - Low	DC	Corridor between Rm 106 & 108	C	✓	449	
29	49	AMES-49-DC	Water Fountain - High	DC	Corridor between Rm 106 & 108	C	✓	↓	
30	50	AMES-50-BU	Bottle Filler	BU	Corridor between Rm 106 & 108	C	✓	turned off	
31	51	AMES-51-DC	Water Fountain - Low	DC	Corridor between Rm 207 & 209	C	✓	507	
32	52	AMES-52-DC	Water Fountain - High	DC	Corridor between Rm 207 & 209	C	✓	↓	
33	53	AMES-53-BU	Bottle Filler	BU	Corridor between Rm 207 & 209	C	✓	turned off	
34	54	AMES-54-DC	Water Fountain - Low	DC	Corridor	C	✓	458	
35	55	AMES-55-DC	Water Fountain - High	DC	Corridor	C	✓	↓	
36	56	AMES-56-DC	Water Fountain - Low	DC	Corridor	C	✓	511	
37	57	AMES-57-DC	Water Fountain - High	DC	Corridor	C	✓	↓	
38	58	AMES-58-DC	Water Fountain - Low	DC	Corridor	C	✓	446	
39	59	AMES-59-DC	Water Fountain - High	DC	Corridor	C	✓	↓	
40	60	AMES-60-DC	Water Fountain - Low	DC	Corridor	C	✓	453	
41	61	AMES-61-DC	Water Fountain - High	DC	Corridor	C	✓	↓	
42	62	AMES-62-BU	Bottle Filler	BU	Corridor	C	✓	↓	
43	63	AMES-63-BU	Bottle Filler	BU	Corridor	C	✓	458	
44	64	AMES-64-BU	Bottle Filler	BU	Corridor	C	✓	511	
45	65	AMES-65-BU	Bottle Filler	BU	Corridor	C	✓	446	