

CERTIFICATE OF ANALYSIS

Columbia, MD

Maryland Water Quality Lab #262W

Chain of Custody: 662600

Job Name:

Harpers Choice Middle

Date Submitted:

10/11/2024

NY ELAP

Client:

Howard County Public School System

School **Job Location:** 5450 Beaverkill Road,

Date Analyzed:

10/18/2024

Address:

10910 Route 108 Ellicott City

Job Number: 13.003

Report Date:

10/18/2024

Attention:

Maryland 21042

Christopher Madden

P.O. Number:

115.24.B7

Date Sampled: Person Submitting:

10/01/2024 - 10/08/2024

Christopher Madden

Summary of Drinking Water Analysis for Metals

AMA Sample Number	Client Sample Number	Date/Time	Location	Analysis Type	Sample Analyte	Reporting Limit	Final Result	Comments
662600-1	: HCMS-1 Flush	10/01/2024 6:40 AM	Faucet, Cold, Yes (= Consumption), Kitchen, , Sink, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	2.0 ug/L	
662600-2	: HCMS-2 Flush	10/01/2024 6:42 AM	Faucet, Cold, Yes (= Consumption), Kitchen, , Sink, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	4.0 ug/L	
662600-3	: HCMS-3 First-Draw	10/01/2024 5:58 AM	Bottle Filler/Drinking Fountain Combo Unit - Fountain - Cooler/Chiller Style (Refrigerated), Yes (= Consumption), Cafeteria, , Fountain, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	1.9 ug/L	
662600-4	: HCMS-5 First-Draw	10/01/2024 6:04 AM	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated), Yes (= Consumption), Locker Room, , Fountain, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	3.2 ug/L	
662600-5	: HCMS-6 First-Draw	10/01/2024 6:07 AM	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated), Yes (= Consumption), Locker Room, , Fountain, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	4.2 ug/L	
662600-6	: HCMS-7 First-Draw	10/01/2024 6:09 AM	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated), Yes (= Consumption), Hallway, , Fountain, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	<0.5 ug/L	
662600-7	: HCMS-9 First-Draw	10/01/2024 6:11 AM	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated), Yes (= Consumption), Hallway, , Fountain, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	<0.5 ug/L	
662600-8	: HCMS-10 First-Draw	10/01/2024 6:12 AM	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated), Yes (= Consumption), Hallway, , Fountain, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	<0.5 ug/L	
662600-9	: HCMS-11 First-Draw	10/01/2024 6:15 AM	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated), Yes (= Consumption), Teachers' Lounge/Break Room, , Fountain, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	0.67 ug/L	
662600-10	: HCMS-12 First-Draw	10/01/2024 6:18 AM	Faucet, Cold, Yes (= Consumption), Staff Workroom, , Sink , Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	0.78 ug/L	
662600-11	: HCMS-15 First-Draw	10/01/2024 6:21 AM	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated), Yes (= Consumption), Hallway, , Fountain, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	2.4 ug/L	
662600-12	: HCMS-16 First-Draw	10/01/2024 5:59 AM	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated), Yes (= Consumption), Cafeteria, , Fountain, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	4.3 ug/L	



CERTIFICATE OF ANALYSIS

Maryland Water Quality Lab #262W

Chain of Custody: 662

662600

Job Name:

Job Location:

Harpers Choice Middle

Date Submitted:

10/11/2024

NY ELAP

Client:

Howard County Public School System

School 5450 Beaverkill Road,

Date Analyzed:

10/18/2024

Address:

10910 Route 108 Ellicott City

Columbia, MD 13.003

Report Date: 10/18/2024

Maryland 21042

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Job Number: 13.00

Report Date.

10/18/2024

Attention: Christopher Madden

P.O. Number: 115.24.B7

Date Sampled:

10/01/2024 - 10/08/2024

Person Submitting: Christopher Madden

Summary of Drinking Water Analysis for Metals

AMA Sample Number	Client Sample Number	Date/Time	Location	Analysis Type	Sample Analyte	Reporting Limit	Final Result	Comments
			Drinking Water Fountain - Cooler/Chiller Style		<u>-</u>			
662600-13	: HCMS-17 First-Draw	10/01/2024 6:22 AM	(Refrigerated), Yes (= Consumption), Hallway, ,	ICP	Lead	0.5 ug/L	3.2 ug/L	
			Fountain, Main Bldg, 1st Floor					
662600-14	: HCMS-18 First-Draw	10/01/2024 6:25 AM	Faucet, Cold, Yes (= Consumption), Nurse's	ICP	Lead	0.5 ug/L	1.0 ug/L	
			Office/Health Room, , Sink, Main Bldg, 1st Floor					
662600-15	: HCMS-19 First-Draw	10/01/2024 6:29 AM	Faucet, Cold, Yes (= Consumption), Classroom	ICP	Lead	0.5 ug/L	<0.5 ug/L	
			(Home Economics), , Sink, Main Bldg, 1st Floor					
662600-16	: HCMS-20 First-Draw	10/01/2024 6:30 AM	Faucet, Cold, Yes (= Consumption), Classroom	ICP	Lead	0.5 ug/L	0.53 ug/L	
		10,01,101.000	(Home Economics), , Sink, Main Bldg, 1st Floor					
662600-17	: HCMS-21 First-Draw	10/01/2024 6:31 AM	Faucet, Cold, Yes (= Consumption), Classroom	ICP	Lead	0.5 ug/L	<0.5 ug/L	
002000 17	. HCIVIS ZITHISC DIGW		(Home Economics), , Sink, Main Bldg, 1st Floor					
662600-18	: HCMS-22 First-Draw	10/01/2024 6:32 AM	Faucet, Cold, Yes (= Consumption), Classroom	ICP	Lead	0.5 ug/L	<0.5 ug/L	
002000 10	. ITCIVIS ZZ I IISC DIGW	10/01/2024 0.32 AW	(Home Economics), , Sink, Main Bldg, 1st Floor		Lead	0.5 ug/ L	10.5 ug/ L	
662600-19	: HCMS-23 First-Draw	10/01/2024 6:33 AM	Faucet, Cold, Yes (= Consumption), Classroom	ICP	Lead	0.5 ug/L	<0.5 ug/L	
002000-13	. HCWIS-25 HISC-DIAW	10/01/2024 0.33 AIVI	(Home Economics), , Sink, Main Bldg, 1st Floor	ici	Leau	0.5 ug/L	\0.5 ug/L	
662600-20	: HCMS-24 First-Draw	10/01/2024 6:35 AM	Faucet, Cold, Yes (= Consumption), Classroom	ICP	Lead	0.5 ug/L	<0.5 ug/L	
002000-20	. 11Clv13-24 1 1131-D1aw	10/01/2024 0.33 AIVI	(Home Economics), , Sink, Main Bldg, 1st Floor	ICF	Leau	0.5 ug/L	<0.5 ug/L	
662600-21	: HCMS-3BW First- Draw		Bottle Filler/Drinking Fountain Combo Unit - Bottle			0.5 ug/L	2.2 ug/L	
		10/08/2024 7:14 AM	Filler, Yes (= Consumption), Cafeteria, , Bottle Filler,	ICP	Lead			
	Diaw		Main Bldg, 1st Floor					

Analysis Method: ICP: EPA 200.8 (Rev. 5.4)

Preparation Method: None

mg/L = Parts Per Million (ppm), N/A = Not Applicable, μg/L = Parts Per Billion, N/P = Not Provided

Sample Collector: Christopher Madden

Certification:

All results are to be considered preliminary and subject to change unless signed by the Technical Director or Deputy.

Analyst(s): Paul Littleton

Technical Director

George Land

George Ind



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Maryland Water Quality Lab #262W

NY ELAP

Chain of Custody: 662600 Harpers Choice Middle Job Name:

Job Number:

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School

13.003

115.24.B7

Client: Howard County Public School System Job Location: 5450 Beaverkill Road,

Columbia, MD

10910 Route 108 Ellicott City

Maryland 21042

Attention: Christopher Madden

Address:

Date Analyzed:

Date Submitted:

10/18/2024

Report Date: 10/18/2024

Date Sampled: 10/01/2024 - 10/08/2024

10/11/2024

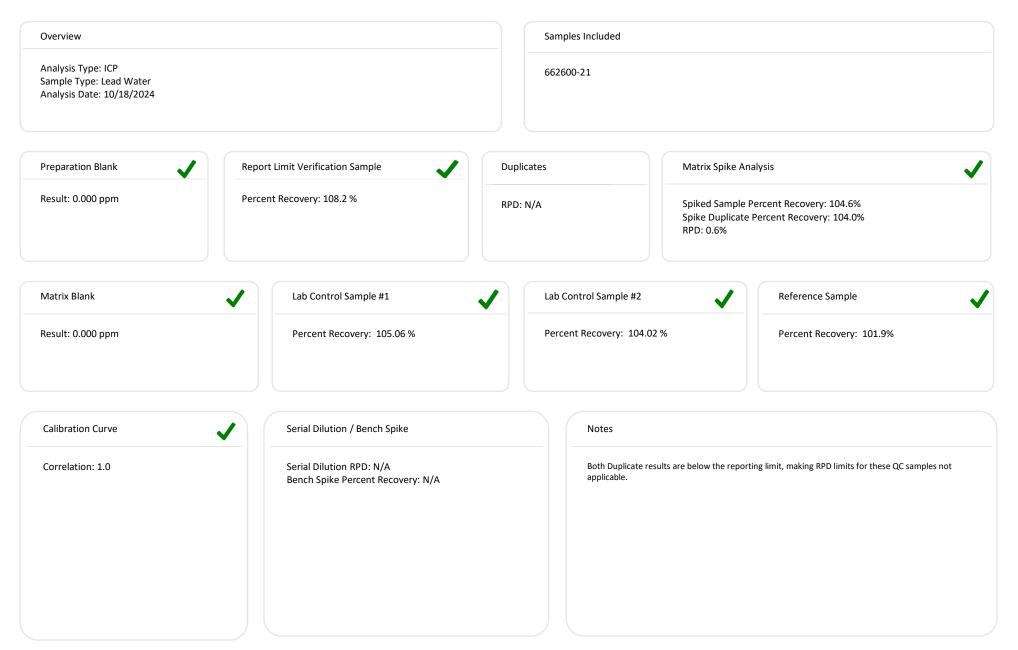
Person Submitting: Christopher Madden

Summary of Drinking Water Analysis for Metals

This report applies only to the sample, or samples, investigated and is not necessarily indicative of the quality or condition of apparently identical or similar products. As a mutual protection to clients, the public, and these Laboratories, this report is submitted and accepted for the exclusive use of the client to whom it is addressed and upon the condition that it is not to be used, in whole or in part, in any advertising or publicity matter without prior written authorization from us. Sample types, locations, and collection protocols are based upon the information provided by the persons submitting them and, unless collected by personnel of these Laboratories, we expressly disclaim any knowledge and liability for the accuracy and completeness of this information. The results apply only to the sample(s) tested as received. Residual sample material will be discarded in accordance with the appropriate regulatory guidelines, unless otherwise requested by the client. This report must not be used to claim, and does not imply product certification, approval, or endorsement by NY ELAP, AIHA-LAP, or any agency of the Federal Government. All rights reserved. AMA Analytical Services, Inc.

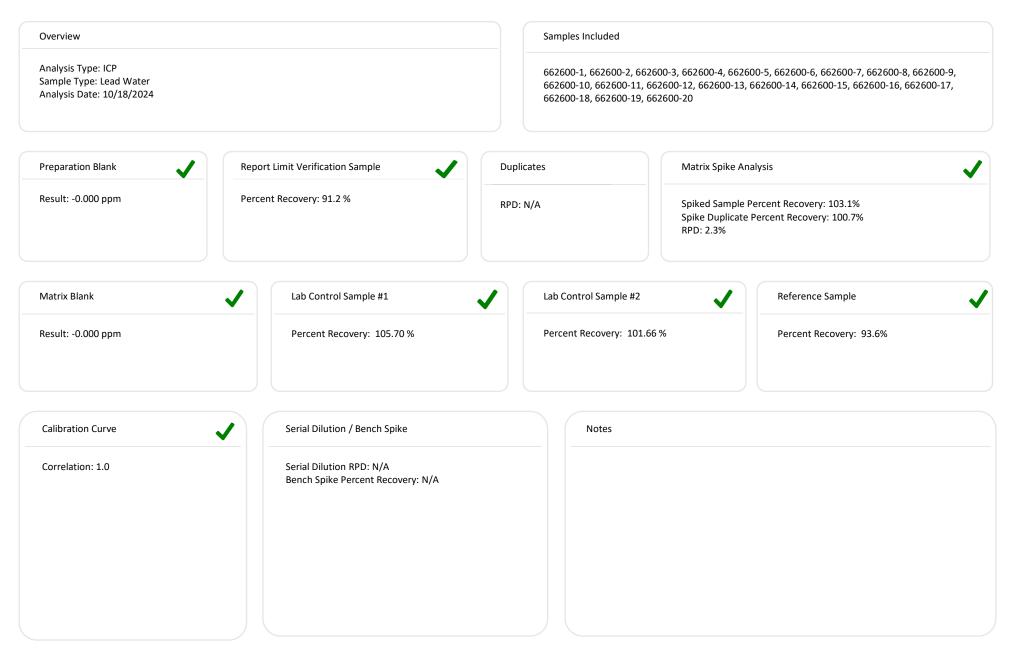


QC Summary for SDG #81473





QC Summary for SDG #81481



E-COC Pb H2O at MD Schools **Howard County Public School System**

10910 Clarksville Pike Ellicott City, MD 21042 (410) 313-6600

Sampler's Affiliation: Howard County Public School System

School Name: Harpers Choice Middle

County: Howard County

MSDE ID #: 13.003

Address: 5450 Beaverkill Road, Columbia, MD

Project Manager: Christopher Madden PM Cell Phone No.: 410-313-8874

Samples Collected by: Christopher Madden Sampler's Phone Number: 410-313-6699

5-Day Turn-Around-Time: Due Date & Time: 10/18/2024 5:00 PM

Enter as M/D/YY HH:MM

Start Date & Time: 10/1/2024 5:58AM & 10/8/2024 7:14AM Stop Date & Time: 10/1/2024 6:40AM & 10/8/2024 7:14AM

Enter as M/D/YY HH:MM

Email Results To: christopher_madden@hcpss.org

Email Invoice To: christopher_madden@hcpss.org

Sample Collection Data																	
ID (La submi	ttle ID # Outlet ID abel bottle itted to lab w/ his ID #) Outlet ID Code (Unique ID for each Outlet)	Draw Type (First Draw or	Sample ID for AMA LIMS	Outlet Type (Select from the Drop-Down Options)	Outlet Use (Consumption or Non- Consumption)	Outlet Area Type (Selct from Drop-Down Options)	Outlet Location Description (Be as detailed as possible: ie, between Room 123 & 125)	Outlet Description (Be as detailed as possible: ie, Left Bubbler)	Building ID (Only required if school has multiple buildings: ie, Main Bldg, Trailer 1)	Building Floor (Use "1" if Bldg is single story)	Sample Location for AMA LIMS	Date Collected (MM/DD/YYYY)	Time Collected (military time, ie 08:00 or 15:00)	Collection Date/Time for AMA LIMS	Use	Time of Last Use nilitary time, ie 08:00 or 15:00)	Sample Purpose (Select from Drop-Down Options)
-1	HCMS-1	Flush	: HCMS-1 Flush	Faucet, Cold	Yes (= Consumption)	Kitchen		Sink	Main Bldg	1st Floor	Faucet, Cold, Yes (= Consumption), Kitchen, , Sink, Main Bldg, 1st Floor	10/1/2024	06:40	10/1/2024 6:40 AM	9/30/2024	21:00	Extra/Special
-2	HCMS-2	Flush	: HCMS-2 Flush	Faucet, Cold	Yes (= Consumption)	Kitchen		Sink	Main Bldg	1st Floor	Faucet, Cold, Yes (= Consumption), Kitchen, , Sink, Main Bldg, 1st Floor	10/1/2024	06:42	10/1/2024 6:42 AM	9/30/2024	21:00	Extra/Special
-3	HCMS-3	First-Draw	: HCMS-3 First-Draw	Bottle Filler/Drinking Fountain Combo Unit - Fountain - Cooler/Chiller Style (Refrigerated)	Yes (= Consumption)	Cafeteria		Fountain	Main Bldg	1st Floor	Bottle Filler/Drinking Fountain Combo Unit - Fountain - Cooler/Chiller Style (Refrigerated), Yes (= Consumption), Cafeteria, , Fountain, Main Bldg, 1st Floor	10/1/2024	05:58	10/1/2024 5:58 AM	9/30/2024	21:00	Standard/Routine
-4	HCMS-5	First-Draw	: HCMS-5 First-Draw	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated)	Yes (= Consumption)	Locker Room		Fountain	Main Bldg	1st Floor	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated), Yes (= Consumption), Locker Room, , Fountain, Main Bldg, 1st Floor	10/1/2024	06:04	10/1/2024 6:04 AM	9/30/2024	21:00	Standard/Routine
-5	HCMS-6	First-Draw	: HCMS-6 First-Draw	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated)	Yes (= Consumption)	Locker Room		Fountain	Main Bldg	1st Floor	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated), Yes (= Consumption), Locker Room, , Fountain, Main Bldg, 1st Floor	10/1/2024	06:07	10/1/2024 6:07 AM	9/30/2024	21:00	Standard/Routine
-6	HCMS-7	First-Draw	: HCMS-7 First-Draw	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated)	Yes (= Consumption)	Hallway		Fountain	Main Bldg	1st Floor	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated), Yes (= Consumption), Hallway, , Fountain, Main Bldg, 1st Floor	10/1/2024	06:09	10/1/2024 6:09 AM	9/30/2024	21:00	Standard/Routine
-7	HCMS-9	First-Draw	: HCMS-9 First-Draw	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated)	Yes (= Consumption)	Hallway		Fountain	Main Bldg	1st Floor	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated), Yes (= Consumption), Hallway, , Fountain, Main Bldg, 1st Floor	10/1/2024	06:11	10/1/2024 6:11 AM	9/30/2024	21:00	Standard/Routine
-8	HCMS-10	First-Draw	: HCMS-10 First-Draw	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated)	Yes (= Consumption)	Hallway		Fountain	Main Bldg	1st Floor	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated), Yes (= Consumption), Hallway, , Fountain, Main Bldg, 1st Floor	10/1/2024	06:12	10/1/2024 6:12 AM	9/30/2024	21:00	Standard/Routine
-9	HCMS-11	First-Draw	: HCMS-11 First-Draw	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated)	Yes (= Consumption)	Teachers' Lounge/Break Room		Fountain	Main Bldg	1st Floor	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated), Yes (= Consumption), Teachers' Lounge/Break Room, , Fountain, Main Bldg, 1st Floor	10/1/2024	06:15	10/1/2024 6:15 AM	9/30/2024	21:00	Standard/Routine
-10	HCMS-12	First-Draw	: HCMS-12 First-Draw	Faucet, Cold	Yes (= Consumption)	Staff Workroom		Sink	Main Bldg	1st Floor	Faucet, Cold, Yes (= Consumption), Staff Workroom, , Sink , Main Bldg, 1st Floor	10/1/2024	06:18	10/1/2024 6:18 AM	9/30/2024	21:00	Standard/Routine
-11	HCMS-15	First-Draw	: HCMS-15 First-Draw	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated)	Yes (= Consumption)	Hallway		Fountain	Main Bldg	1st Floor	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated), Yes (= Consumption), Hallway, , Fountain, Main Bldg, 1st Floor	10/1/2024	06:21	10/1/2024 6:21 AM	9/30/2024	21:00	Standard/Routine
-12	HCMS-16	First-Draw	: HCMS-16 First-Draw	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated)	Yes (= Consumption)	Cafeteria		Fountain	Main Bldg	1st Floor	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated), Yes (= Consumption), Cafeteria, , Fountain, Main Bldg, 1st Floor	10/1/2024	05:59	10/1/2024 5:59 AM	9/30/2024	21:00	Standard/Routine
-13	HCMS-17	First-Draw	: HCMS-17 First-Draw	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated)	Yes (= Consumption)			Fountain	Main Bldg	1st Floor	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated), Yes (= Consumption), Hallway, , Fountain, Main Bldg, 1st Floor	10/1/2024	06:22	10/1/2024 6:22 AM	9/30/2024	21:00	Standard/Routine
-14	HCMS-18	First-Draw	: HCMS-18 First-Draw	Faucet, Cold	Yes (= Consumption)	Nurse's Office/Health Room		Sink	Main Bldg	1st Floor	Faucet, Cold, Yes (= Consumption), Nurse's Office/Health Room, , Sink, Main Bldg, 1st Floor	10/1/2024	06:25	10/1/2024 6:25 AM	9/30/2024	21:00	Standard/Routine
-15	HCMS-19	First-Draw	: HCMS-19 First-Draw	Faucet, Cold	Yes (= Consumption)	Classroom (Home Economics)		Sink	Main Bldg	1st Floor	Faucet, Cold, Yes (= Consumption), Classroom (Home Economics), , Sink, Main Bldg, 1st Floor	10/1/2024	06:29	10/1/2024 6:29 AM	9/30/2024	21:00	Standard/Routine
-16	HCMS-20	First-Draw	: HCMS-20 First-Draw	Faucet, Cold	Yes (= Consumption)	Classroom (Home Economics)		Sink	Main Bldg	1st Floor	Faucet, Cold, Yes (= Consumption), Classroom (Home Economics), , Sink, Main Bldg, 1st Floor	10/1/2024	06:30	10/1/2024 6:30 AM	9/30/2024	21:00	Standard/Routine
-17	HCMS-21	First-Draw	: HCMS-21 First-Draw	Faucet, Cold	Yes (= Consumption)	Classroom (Home Economics)		Sink	Main Bldg	1st Floor	Faucet, Cold, Yes (= Consumption), Classroom (Home Economics), , Sink, Main Bldg, 1st Floor	10/1/2024	06:31	10/1/2024 6:31 AM	9/30/2024	21:00	Standard/Routine
-18	HCMS-22	First-Draw	: HCMS-22 First-Draw	Faucet, Cold	Yes (= Consumption)	Classroom (Home Economics)		Sink	Main Bldg	1st Floor	Faucet, Cold, Yes (= Consumption), Classroom (Home Economics), , Sink, Main Bldg, 1st Floor	10/1/2024	06:32	10/1/2024 6:32 AM	9/30/2024	21:00	Standard/Routine
-19	HCMS-23	First-Draw	: HCMS-23 First-Draw	Faucet, Cold	Yes (= Consumption)	Classroom (Home Economics)		Sink	Main Bldg	1st Floor	Faucet, Cold, Yes (= Consumption), Classroom (Home Economics), , Sink, Main Bldg, 1st Floor	10/1/2024	06:33	10/1/2024 6:33 AM	9/30/2024	21:00	Standard/Routine
-20	HCMS-24	First-Draw	: HCMS-24 First-Draw	Faucet, Cold	Yes (= Consumption)	Classroom (Home Economics)		Sink	Main Bldg	1st Floor	Faucet, Cold, Yes (= Consumption), Classroom (Home Economics), , Sink, Main Bldg, 1st Floor	10/1/2024	06:35	10/1/2024 6:35 AM	9/30/2024	21:00	Standard/Routine
-21	HCMS-3BW	First-Draw	: HCMS-3BW First-Draw	Bottle Filler/Drinking Fountain Combo Unit - Bottle Filler	Yes (= Consumption)			Bottle Filler	Main Bldg	1st Floor	Bottle Filler/Drinking Fountain Combo Unit - Bottle Filler, Yes (= Consumption), Cafeteria, , Bottle Filler, Main Bldg, 1st Floor	10/8/2024	07:14	10/8/2024 7:14 AM	10/7/2024	23:00	Standard/Routine
				Print Name			(NOTE: Please delete u Sign Name	nused rows prior to e	emailing this E-0	COC to info	o@amalab.com & kmaxwell@amalab.com) Enter As M/D/YYYY HH:MM			i.e.	, In-Person, Fe	dEx, UPS, (Courier, etc.

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Relinquished by:	Christopher Madden	Christopher Madden	Date & Time:	10/8/2024 10:05 AM	Via:	AMA Courier		
Received by:	Dana Nicodemus Hudson	Dana Nicodemus Hudson	Date & Time:	10/8/2024 10:00 AM	Via:	Pick Up		