

CERTIFICATE OF ANALYSIS

Chain of Custody: 651538	Job Name: Harpers Choice Middle School	Date Submitted: 09/26/2023
Client: Howard County Public School System	Job Location: 5450 Beaverkill Road, Columbia, MD, 21044	Date Analyzed: 09/29/2023
Address: 10910 Route 108 Ellicott City Maryland 21042	Job Number: 13.003	Report Date: 10/02/2023
Attention: Christopher Madden	P.O. Number: Not Provided	Date Sampled: 09/12/2023 Person Submitting: John Farmer

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
651538-1	1: HCMS 18 First-Draw	9/12/2023 6:23:00 AM	Faucet, Cold, Yes (= Consumption), Nurse's Office/Health Room, Sink, Main Building, 1st Floor	ICP	Lead	0.5 ug/L	2.5 ug/L	

Sample Collector: Christopher Madden
 Certification:

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

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

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QC Summary for SDG #77315

Overview

Analysis Type: ICP
Sample Type: Lead Water
Analysis Date: 09/29/2023

Samples Included

651538-1

Preparation Blank

Result: 0.000 ppm

Report Limit Verification Sample

Percent Recovery: 98.4 %

Duplicates

RPD: 0.7 %

Matrix Spike Analysis

Spiked Sample Percent Recovery: 90.7%
Spike Duplicate Percent Recovery: 89.7%
RPD: 1.1%

Matrix Blank

Result: 0.000 ppm

Lab Control Sample #1

Percent Recovery: 102.24 %

Lab Control Sample #2

Percent Recovery: 96.95 %

Reference Sample

Percent Recovery: 102.8%

Calibration Curve

Correlation: 1.0

Serial Dilution / Bench Spike

Serial Dilution RPD: N/A
Bench Spike Percent Recovery: N/A

Notes



School Name: Harpers Choice Middle School
Address: 5450 Beaverkill Road, Columbia, MD 21044
County: Howard County
MSDE ID #: 13.003

Project Manager: Christopher Madden
PM Cell Phone No.: 410-313-8874
Email Results To: christopher_madden@hcpss.org
Email Invoice To: christopher_madden@hcpss.org

Samples Collected by: Christopher Madden
Sampler's Phone Number: 410-313-6699
Sampler's Affiliation: Howard County Public School System

Turn-Around-Time: **5-Day**
Due Date & Time: **10/3/2023 5:00 PM**
Start Date & Time: 09/12/2023 6:23 AM
Stop Date & Time: 09/12/2023 6:23 AM

Sample Collection Data

AMA ID	Bottle ID # (Label bottle submitted to lab w/ this ID #)	Outlet ID Code (Unique ID for each outlet)	Draw Type (First Draw or Flush)	Sample ID for AMA LIMS	Outlet Type (Select from the Drop-Down Options)	Outlet Use (Consumption or Non-Consumption)	Outlet Area Type (Select from Drop-Down Options)	Outlet Location Description (Be as detailed as possible, i.e. between Rooms 123 & 122)	Outlet Description (Be as detailed as possible, i.e. Left Bubble)	Building ID (Only required if school has multiple buildings, i.e. Main Bldg, Trailer 1)	Building Floor (Use "1" if Bldg is Single Story)	Sample Location for AMA LIMS	Date Collected (MM/YYYY)	Time Collected (HH:MM)	Collection Date/Time for AMA LIMS	Date of Last Use (MM/YYYY)	Time of Last Use (HH:MM)	Sample Purpose (Select from Drop-Down Options)
-1	1	HCMS 18	First-Draw	1: HCMS 18 First-Draw	Faucet, Cold	Yes (= Consumption)	Nurse's Office/Health Room		Sink	Main Building	1st Floor	Faucet, Cold, Yes (= Consumption), Nurse's Office/Health Room, Sink, Main Building, 1st Floor	9/12/2023	06:23	9/12/2023 6:23 AM	9/11/2023	17:00	Follow-Up (Post-Remediation)

(NOTE: Please delete unused rows prior to emailing this E-COC to info@amalab.com & kmaxwell@amalab.com)
Sign Name Enter As MM/DD/YYYY HH:MM

Print Name

i.e., In-Person, FedEx, UPS, Courier, etc.

Relinquished by:	John Farmer	<i>John Farmer</i>	Date & Time:	9/12/2023 10:00AM	Via:	AMA Courier
Received by:	Kolby Maxwell	<i>Kolby Maxwell</i>	Date & Time:	9/26/2023 3:00 PM	Via:	Courier