

CERTIFICATE OF ANALYSIS

Chain of Custody: 665888	Job Name: Rockburn Elementary School	Date Submitted: 02/10/2025
Client: Howard County Public School System	Job Location: 6145 Montgomery Road, Elkridge MD 21075	Date Analyzed: 02/19/2025
Address: 10910 Route 108 Ellicott City Maryland 21042	Job Number: 13.050	Report Date: 02/24/2025
Attention: Christopher Madden	P.O. Number: Not Provided	Date Sampled: 01/28/2025 - 02/06/2025
		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
665888-1	: ROES-1 First Draw	01/28/2025 6:55 AM	Faucet, Cold, Yes (= Consumption), Kitchen, See Floor Plan, Sink, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	1.9 ug/L	
665888-2	: ROES-50 First Draw	02/06/2025 8:09 AM	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated), Yes (= Consumption), Hallway, See Floor Plan, Right Fountain, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	<0.5 ug/L	
665888-3	: ROES51 First Draw	01/28/2025 6:57 AM	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated), Yes (= Consumption), Hallway, See Floor Plan, Left Fountain, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	<0.5 ug/L	
665888-4	: ROES-40 First Draw	01/28/2025 7:00 AM	Faucet, Cold, Yes (= Consumption), Office, See Floor Plan, Sink, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	1.8 ug/L	
665888-5	: ROES-41F First-Draw	02/06/2025 8:11 AM	Combination Sink - Fountain - Bubblers Style (Non-Refrigerated), Yes (= Consumption), Classroom, See Floor Plan, Bubblers, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	57.6 ug/L	This result meets or exceeds the 5.5ppb action level as established by MDE for schools.

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 #82939

Overview

Analysis Type: ICP
Sample Type: Lead Water
Analysis Date: 02/19/2025

Samples Included

665888-1, 665888-2, 665888-3, 665888-4, 665888-5

Preparation Blank

Result: -0.000 ppm

Report Limit Verification Sample

Percent Recovery: 117.8 %

Duplicates

RPD: N/A

Matrix Spike Analysis

Spiked Sample Percent Recovery: 98.5%
Spike Duplicate Percent Recovery: 97.8%
RPD: 0.7%

Matrix Blank

Result: -0.000 ppm

Lab Control Sample #1

Percent Recovery: 105.68 %

Lab Control Sample #2

Percent Recovery: 107.36 %

Reference Sample

Percent Recovery: 94.5%

Calibration Curve

Correlation: 1.0

Serial Dilution / Bench Spike

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

Notes



School Name: Rockburn Elementary School
Address: 6145 Montgomery Road, Elkridge MD 21075
County: Howard County
MSDE ID #: 13.050

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: 10-Day
Due Date & Time: 2/24/2025 5:00 PM
Enter as M/D/YY HH:MM

Start Date & Time: 01/28/2025 6:55 AM
Stop Date & Time: 02/06/2025 8:11 AM
Enter as M/D/YY HH:MM

Sample Collection Data

AMA ID	Bottle ID # <small>(Label bottle submitted to lab w/ the ID #)</small>	Outlet ID Code <small>(Unique ID for each Outlet)</small>	Draw Type <small>(First Draw or First)</small>	Sample ID for AMA LIMS	Outlet Type <small>(Select from the Drop-Down Options)</small>	Outlet Use <small>(Consumption or Non-Consumption)</small>	Outlet Area Type <small>(Select from Drop-Down Options)</small>	Outlet Location Description <small>(Be as detailed as possible, ie. between Rooms 123 & 120)</small>	Outlet Description <small>(Be as detailed as possible, ie. Left Bubbler)</small>	Building ID <small>(Only required if school has multiple buildings, ie. Main Bldg, Trailer 1)</small>	Building Floor <small>(Use "1" if Bldg is Single Story)</small>	Sample Location for AMA LIMS	Date Collected <small>(M/D/YYYY)</small>	Time Collected <small>(HH:MM)</small>	Collection Date/Time for AMA LIMS	Date of Last Use <small>(M/D/YYYY)</small>	Time of Last Use <small>(HH:MM)</small>	Sample Purpose <small>(Select from Drop-Down Options)</small>
-1	ROES-1	ROES	First Draw	ROES-1: ROES First Draw	Faucet, Cold	Yes (= Consumption)	Kitchen	See Floor Plan	Sink	Main Bldg	1st Floor	Faucet, Cold, Yes (= Consumption), Kitchen, See Floor Plan, Sink, Main Bldg, 1st Floor	1/28/2025	06:55	1/28/2025 6:55 AM	1/27/2025	21:00	Extra/Special
-2	ROES-50	ROES-50	First Draw	ROES-50: ROES-50 First Draw	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated)	Yes (= Consumption)	Hallway	See Floor Plan	Right Fountain	Main Bldg	1st Floor	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated), Yes (= Consumption), Hallway, See Floor Plan, Right Fountain, Main Bldg, 1st Floor	2/6/2025	08:09	2/6/2025 8:09 AM	2/5/2025	21:00	Extra/Special
-3	ROESS1	ROESS1	First Draw	ROESS1: ROESS1 First Draw	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated)	Yes (= Consumption)	Hallway	See Floor Plan	Left Fountain	Main Bldg	1st Floor	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated), Yes (= Consumption), Hallway, See Floor Plan, Left Fountain, Main Bldg, 1st Floor	1/28/2025	06:57	1/28/2025 6:57 AM	1/27/2025	21:00	Extra/Special
-4	ROES-40	ROES-40	First Draw	ROES-40: ROES-40 First Draw	Faucet, Cold	Yes (= Consumption)	Office	See Floor Plan	Sink	Main Bldg	1st Floor	Faucet, Cold, Yes (= Consumption), Office, See Floor Plan, Sink, Main Bldg, 1st Floor	1/28/2025	07:00	1/28/2025 7:00 AM	1/27/2025	21:00	Extra/Special
-5	ROES-41F	ROES-41F	First-Draw	ROES-41F: ROES-41F First-Draw	Combination Sink - Fountain - Bubbler Style (Non-Refrigerated)	Yes (= Consumption)	Classroom	See Floor Plan	Bubbler	Main Bldg	1st Floor	Combination Sink - Fountain - Bubbler Style (Non-Refrigerated), Yes (= Consumption), Classroom, See Floor Plan, Bubbler, Main Bldg, 1st Floor	2/6/2025	08:11	2/6/2025 8:11 AM	2/5/2025	21:00	Extra/Special

(NOTE: Please delete unused rows prior to emailing this E-COC to info@amalab.com & kmaxwell@amalab.com)

Print Name

Enter As M/D/YYYY HH:MM

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

Relinquished by:	Christopher Madden	<i>Christopher Madden</i>	Date & Time:	2/6/2025 9:00 AM	Via:	AMA Courier
Received by:	Dana Nicodemus Hudson	<i>Dana Nicodemus Hudson</i>	Date & Time:	2/10/2025 9:30 AM	Via:	Pick Up