



CERTIFICATE OF ANALYSIS

Chain of Custody: 631138
Client: Howard County Public School System
Address: 10910 Route 108
Ellicott City, MD 21042
Attention: Jeff Klenk

Job Name: Lake Elkhorn Middle School
Job Location: 6680 Cradlerock Way, Columbia, MD
21045
Job Number: 13.035
P.O. Number: Not Provided

Date Submitted: 11/19/2021
Date Analyzed: 11/30/2021
Report Date: 11/30/2021
Date Sampled: 11/18/2021 - 11/19/2021
Person Submitting: Jeff Klenk

Summary of Drinking Water Analysis for Metals

AMA Sample Number	Client Sample Number	Sample Collection Information		Analysis Type	Sample Analyte	Reporting Limit	Final Result	Comments
		Date/Time	Location					
631138-1	LEMS 1BW First-Draw	11/18/2021 5:51 am	Bottle Refill Dispenser/Water Refill Station, Consumption, Hallway, , Bottle Fill, ,	Furnace AA	Lead	1 ug/L	< 1 ug/L	
631138-2	LEMS 4BW First-Draw	11/18/2021 5:51 am	Bottle Refill Dispenser/Water Refill Station, Consumption, Hallway, , Bottle Fill, ,	Furnace AA	Lead	1 ug/L	< 1 ug/L	
631138-3	LEMS 13BW First-Draw	11/18/2021 5:51 am	Bottle Refill Dispenser/Water Refill Station, Consumption, Hallway, , Bottle Fill, ,	Furnace AA	Lead	1 ug/L	< 1 ug/L	
631138-4	LEMS 1 First-Draw	11/19/2021 5:35 am	Drinking Water Fountain - Cooler/Chiller Style, Consumption, Hallway, , Fountain, ,	Furnace AA	Lead	1 ug/L	< 1 ug/L	
631138-5	LEMS 2 First-Draw	11/19/2021 5:35 am	Drinking Water Fountain - Cooler/Chiller Style, Consumption, Locker Room, , Fountain, ,	Furnace AA	Lead	1 ug/L	< 1 ug/L	
631138-6	LEMS 3 First-Draw	11/19/2021 5:35 am	Drinking Water Fountain - Cooler/Chiller Style, Consumption, Locker Room, , Fountain, ,	Furnace AA	Lead	1 ug/L	< 1 ug/L	
631138-7	LEMS 4 First-Draw	11/19/2021 5:35 am	Drinking Water Fountain - Cooler/Chiller Style, Consumption, Hallway, , Fountain, ,	Furnace AA	Lead	1 ug/L	< 1 ug/L	
631138-8	LEMS 8 First-Draw	11/19/2021 5:35 am	Faucet, Cold, Consumption, Classroom (Home Economics), , Sink, ,	Furnace AA	Lead	1 ug/L	55 ug/L	55.2 ug/L. This results meets or exceeds the 5.5ppb action level as established by MDE for schools.
<p>This sample was not part of the 3-year routine / standard sampling that was conducted. This sample was a follow up remedial. Thus notification is not required.</p>								
631138-9	LEMS 10 First-Draw	11/19/2021 5:35 am	Drinking Water Fountain - Cooler/Chiller Style, Consumption, Hallway, , Fountain, ,	Furnace AA	Lead	1 ug/L	3.4 ug/L	
631138-10	LEMS 11 First-Draw	11/19/2021 5:35 am	Faucet, Cold, Consumption, Media Center, , Sink, ,	Furnace AA	Lead	1 ug/L	< 1 ug/L	
631138-11	LEMS 13 First-Draw	11/19/2021 5:35 am	Drinking Water Fountain - Cooler/Chiller Style, Consumption, Hallway, , Fountain, ,	Furnace AA	Lead	1 ug/L	1.6 ug/L	
631138-12	LEMS 14 First-Draw	11/19/2021 5:35 am	Faucet, Cold, Consumption, Nurse's Office/Health Room, , Sink, ,	Furnace AA	Lead	1 ug/L	< 1 ug/L	



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AMA Sample Number	Client Sample Number	Date/Time	Location	Sample Collection Information	Analysis Type	Sample Analyte	Reporting Limit	Final Result	Comments
Analysis Methods: Flame AA: APHA SM3111B (1999, 22nd Ed.), Furnace AA: APHA SM3113B (2010, 22nd Ed.), ICP: EPA 200.8 (Rev. 5.4)					Sample Collector: Jeff Klenk Certification:				
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): Nida McGarvey									

Technical Director George Land

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. 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.