



CERTIFICATE OF ANALYSIS

Chain of Custody: 630264
Client: Howard County Public School System
Address: 10910 Route 108
Ellicott City, MD 21042
Attention: Jeff Klenk

Job Name: Dunloggin Middle School
Job Location: 9129 Northfield Road, Ellicott City,
MD 21042
Job Number: 13.001
P.O. Number: Not Provided

Date Submitted: 10/28/2021
Date Analyzed: 11/03/2021
Report Date: 11/04/2021
Date Sampled: 10/20/2021 - 10/21/2021
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					
630264-1	1: DMS 4 First Draw	10/20/2021 6:00 am	Drinking Water Fountain - Cooler/Chiller Style, Consumption, Cafeteria, , ,	ICP	Lead	0.5 ug/L	1.4 ug/L	
630264-2	2: DMS 4BW First Draw	10/20/2021 6:00 am	Bottle Refill Dispenser/Water Refill Station, Consumption, Cafeteria, , ,	ICP	Lead	0.5 ug/L	1.5 ug/L	
630264-3	3: DMS 5 First Draw	10/20/2021 6:00 am	Drinking Water Fountain - Cooler/Chiller Style, Consumption, Hallway, , ,	ICP	Lead	0.5 ug/L	0.71 ug/L	
630264-4	4: DMS 6 First Draw	10/20/2021 6:00 am	Drinking Water Fountain - Cooler/Chiller Style, Consumption, Locker Room, , ,	ICP	Lead	0.5 ug/L	2.9 ug/L	
630264-5	5: DMS 7 First Draw	10/20/2021 6:00 am	Drinking Water Fountain - Cooler/Chiller Style, Consumption, Locker Room, , ,	ICP	Lead	0.5 ug/L	1.7 ug/L	
630264-6	6: DMS 8 First Draw	10/20/2021 6:00 am	Drinking Water Fountain - Cooler/Chiller Style, Consumption, Hallway, , ,	ICP	Lead	0.5 ug/L	0.74 ug/L	
630264-7	7: DMS 11 First Draw	10/20/2021 6:00 am	Drinking Water Fountain - Cooler/Chiller Style, Consumption, Hallway, , ,	ICP	Lead	0.5 ug/L	< 0.5 ug/L	
630264-8	8: DMS 12 First Draw	10/20/2021 6:00 am	Drinking Water Fountain - Cooler/Chiller Style, Consumption, Hallway, , ,	ICP	Lead	0.5 ug/L	< 0.5 ug/L	
630264-9	9: DMS 13 First Draw	10/20/2021 6:00 am	Refrigerator Water Dispenser, Consumption, Teachers' Lounge/Break Room, , ,	ICP	Lead	0.5 ug/L	< 0.5 ug/L	
630264-10	10: DMS 16 First Draw	10/20/2021 6:00 am	Drinking Water Fountain - Cooler/Chiller Style, Consumption, Hallway, , ,	ICP	Lead	0.5 ug/L	< 0.5 ug/L	
630264-11	11: DMS 17 First Draw	10/20/2021 6:00 am	Drinking Water Fountain - Cooler/Chiller Style, Consumption, Hallway, , ,	ICP	Lead	0.5 ug/L	< 0.5 ug/L	
630264-12	12: DMS 1 First Draw	10/21/2021 5:05 am	Faucet, Cold, Consumption, Kitchen, , Sink,	ICP	Lead	0.5 ug/L	0.97 ug/L	
630264-13	13: DMS 2 First Draw	10/21/2021 5:05 am	Faucet, Cold, Consumption, Kitchen, , Sink,	ICP	Lead	0.5 ug/L	1.1 ug/L	
630264-14	14: DMS 10 First Draw	10/21/2021 5:05 am	Faucet, Cold, Consumption, Workroom, , Sink,	ICP	Lead	0.5 ug/L	1.2 ug/L	



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630264-15	15: DMS 14 First Draw	10/21/2021 5:05 am	Faucet, Cold, Consumption, Teachers' Lounge/Break Room, , Sink,	ICP	Lead	0.5 ug/L	< 0.5 ug/L	
630264-16	16: DMS 18 First Draw	10/21/2021 5:05 am	Faucet, Cold, Consumption, Nurse's Office/Health Room, , Sink,	ICP	Lead	0.5 ug/L	6.5 ug/L	This results meets or exceeds the 5.5ppb action level as established by MDE for schools.
630264-17	17: DMS 19 First Draw	10/21/2021 5:05 am	Faucet, Cold, Consumption, Classroom (Home Economics), , Sink,	ICP	Lead	0.5 ug/L	5.7 ug/L	This results meets or exceeds the 5.5ppb action level as established by MDE for schools.
630264-18	18: DMS 20 First Draw	10/21/2021 5:05 am	Faucet, Cold, Consumption, Classroom (Home Economics), , Sink,	ICP	Lead	0.5 ug/L	4.4 ug/L	
630264-19	19: DMS 21 First Draw	10/21/2021 5:05 am	Faucet, Cold, Consumption, Classroom (Home Economics), , Sink,	ICP	Lead	0.5 ug/L	7.8 ug/L	This results meets or exceeds the 5.5ppb action level as established by MDE for schools.
630264-20	20: DMS 22 First Draw	10/21/2021 5:05 am	Faucet, Cold, Consumption, Classroom (Home Economics), , Sink,	ICP	Lead	0.5 ug/L	5.7 ug/L	This results meets or exceeds the 5.5ppb action level as established by MDE for schools.
630264-21	21: DMS 23 First Draw	10/21/2021 5:05 am	Faucet, Cold, Consumption, Classroom (Home Economics), , Sink,	ICP	Lead	0.5 ug/L	2.8 ug/L	
630264-22	22: DMS 24 First Draw	10/21/2021 5:05 am	Faucet, Cold, Consumption, Classroom (Home Economics), , Sink,	ICP	Lead	0.5 ug/L	3.6 ug/L	
630264-23	23: DMS 25 First Draw	10/21/2021 5:05 am	Faucet, Cold, Consumption, Kitchen, , Sink,	ICP	Lead	0.5 ug/L	0.73 ug/L	
630264-24	24: DMS 27 First Draw	10/21/2021 5:05 am	Faucet, Cold, Consumption, Classroom (Home Economics), , Sink,	ICP	Lead	0.5 ug/L	12 ug/L	11.7 ug/L. This results meets or exceeds the 5.5ppb action level as established by MDE for schools.



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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): Jean-Paul Littleton								

Technical Director George Land

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