



CERTIFICATE OF ANALYSIS

Chain of Custody: 634701
Client: Howard County Public School System
Address: 10910 Route 108
Ellicott City, MD 21042
Attention: Jeff Klenk

Job Name: Dayton Oaks Elementary School
Job Location: 4691 Ten Oaks Road, Dayton, MD
21036
Job Number: 13.083
P.O. Number: Not Provided

Date Submitted: 04/01/2022
Date Analyzed: 04/06/2022
Report Date: 04/08/2022
Date Sampled: 03/30/2022
Person Submitting: Jeff Klenk
Revised: 04/13/2022 (Revision #1)

Summary of Drinking Water Analysis for Metals

AMA Sample Number	Client Sample Number	Date/Time	Location	Sample Collection Information	Analysis Type	Sample Analyte	Reporting Limit	Final Result	Comments
634701-1	DOES 1 Flush	03/30/2022 6:06 am	Faucet, Cold, Consumption, Kitchen, , Sink, Main Bldg, 1st Floor		Furnace AA	Lead	1 ug/L	1.1 ug/L	
634701-2	DOES 2 First-Draw	03/30/2022 6:06 am	Ice Machine (Stand Alone), Consumption, Kitchen, , Ice Maker, Main Bldg, 1st Floor		Furnace AA	Lead	1 ug/L	< 1 ug/L	
634701-3	DOES 3 First-Draw	03/30/2022 6:06 am	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated), Consumption, Cafeteria, , Fountain, Main Bldg, 1st Floor		Furnace AA	Lead	1 ug/L	4.5 ug/L	
634701-4	DOES 4 First-Draw	03/30/2022 6:06 am	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated), Consumption, Hallway, , Fountain, Main Bldg, 1st Floor		Furnace AA	Lead	1 ug/L	< 1 ug/L	
634701-5	DOES 5 First-Draw	03/30/2022 6:06 am	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated), Consumption, Hallway, , Fountain, Main Bldg, 1st Floor		Furnace AA	Lead	1 ug/L	1.2 ug/L	
634701-6	DOES 11 First-Draw	03/30/2022 6:06 am	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated), Consumption, Hallway, , Fountain, Main Bldg, 1st Floor		Furnace AA	Lead	1 ug/L	1.4 ug/L	
634701-7	DOES 17 First-Draw	03/30/2022 6:06 am	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated), Consumption, Hallway, , Fountain, Main Bldg, 1st Floor		Furnace AA	Lead	1 ug/L	2.3 ug/L	
634701-8	DOES 18 First-Draw	03/30/2022 6:06 am	Faucet, Cold, Consumption, Classroom, , Sink, Main Bldg, 1st Floor		Furnace AA	Lead	1 ug/L	4.1 ug/L	
634701-9	DOES 27 First-Draw	03/30/2022 6:06 am	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated), Consumption, Hallway, , Fountain, Main Bldg, 1st Floor		Furnace AA	Lead	1 ug/L	3.2 ug/L	
634701-10	DOES 33 First-Draw	03/30/2022 6:06 am	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated), Consumption, Hallway, , Fountain, Main Bldg, 1st Floor		Furnace AA	Lead	1 ug/L	1.8 ug/L	
634701-11	DOES 35 First-Draw	03/30/2022 6:06 am	Faucet, Cold, Consumption, Classroom, , Sink, Main Bldg, 1st Floor		Furnace AA	Lead	1 ug/L	3.1 ug/L	
634701-12	DOES 40 First-Draw	03/30/2022 6:06 am	Faucet, Cold, Consumption, Nurse's Office/Health Room, , Sink, Main Bldg, 1st Floor		Furnace AA	Lead	1 ug/L	8.6 ug/L	This result meets or exceeds the 5.5ppb action level as established by MDE for schools.



CERTIFICATE OF ANALYSIS

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634701-13	DOES 42 First-Draw	03/30/2022 6:06 am	Faucet, Cold, Consumption, Classroom, , Sink, Main Bldg, 1st Floor		Furnace AA	Lead	1 ug/L	5.4 ug/L	
634701-14	DOES 44 First-Draw	03/30/2022 6:06 am	Faucet, Cold, Consumption, Teachers' Lounge/Break Room, , Sink, Main Bldg, 1st Floor		Furnace AA	Lead	1 ug/L	11 ug/L	10.8 ug/L. This result meets or exceeds the 5.5ppb action level as established by MDE for schools.
634701-15	DOES 45 First-Draw	03/30/2022 6:06 am	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated), Consumption, Hallway, , Fountain, Main Bldg, 1st Floor		Furnace AA	Lead	1 ug/L	1.7 ug/L	
634701-16	DOES 46 First-Draw	03/30/2022 6:06 am	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated), Consumption, Hallway, , Fountain, Main Bldg, 1st Floor		Furnace AA	Lead	1 ug/L	2.2 ug/L	
634701-17	DOES 48 First-Draw	03/30/2022 6:06 am	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated), Consumption, Hallway, , Fountain, Main Bldg, 2nd Floor		Furnace AA	Lead	1 ug/L	1.1 ug/L	
634701-18	DOES 49 First-Draw	03/30/2022 6:06 am	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated), Consumption, Hallway, , Fountain, Main Bldg, 2nd Floor		Furnace AA	Lead	1 ug/L	1 ug/L	1.1 ug/L.
634701-19	DOES 51 First-Draw	03/30/2022 6:06 am	Faucet, Cold, Consumption, Teachers' Lounge/Break Room, , Sink, Main Bldg, 2nd Floor		Furnace AA	Lead	1 ug/L	12 ug/L	11.6 ug/L. This result meets or exceeds the 5.5ppb action level as established by MDE for schools.
634701-20	DOES 57 First-Draw	03/30/2022 6:06 am	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated), Consumption, Hallway, , Fountain, Main Bldg, 2nd Floor		Furnace AA	Lead	1 ug/L	1.1 ug/L	
634701-21	DOES 63 First-Draw	03/30/2022 6:06 am	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated), Consumption, Hallway, , Fountain, Main Bldg, 2nd Floor		Furnace AA	Lead	1 ug/L	2.9 ug/L	
634701-22	DOES 70 First-Draw	03/30/2022 6:06 am	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated), Consumption, Hallway, , Fountain, Main Bldg, 2nd Floor		Furnace AA	Lead	1 ug/L	4.6 ug/L	



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		Date/Time	Location					
634701-23	DOES 76 First-Draw	03/30/2022 6:06 am	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated), Consumption, Hallway, , Fountain, Main Bldg, 2nd Floor	Furnace AA	Lead	1 ug/L	1.1 ug/L	
634701-24	DOES 83 First-Draw	03/30/2022 6:06 am	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated), Consumption, Hallway, , Fountain, Main Bldg, 2nd Floor	Furnace AA	Lead	1 ug/L	2.5 ug/L	
634701-25	DOES 84 First-Draw	03/30/2022 6:06 am	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated), Consumption, Hallway, , Fountain, Main Bldg, 2nd Floor	Furnace AA	Lead	1 ug/L	2.2 ug/L	

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

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