



CERTIFICATE OF ANALYSIS

Chain of Custody: 635049
Client: Howard County Public School System
Address: 10910 Route 108
Ellicott City, MD 21042
Attention: Jeff Klenk

Job Name: Glenelg High School
Job Location: 14025 Burntwoods Road, Glenelg, MD
21737
Job Number: 13.061
P.O. Number: Not Provided

Date Submitted: 04/11/2022
Date Analyzed: 04/18/2022
Report Date: 04/18/2022
Date Sampled: 04/05/2022 - 04/06/2022
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					
635049-1	GHS 1A First-Draw	04/06/2022 5:10 am	Multiple Compartment Sink - Faucet, Cold, Consumption, Kitchen, , Sink, Main Bldg, 1st Floor	Furnace AA	Lead	1 ug/L	7.8 ug/L	This result meets or exceeds the 5.5ppb action level as established by MDE for schools.
635049-2	GHS 1B Flush	04/06/2022 5:10 am	Multiple Compartment Sink - Faucet, Cold, Consumption, Kitchen, , Sink, Main Bldg, 1st Floor	Furnace AA	Lead	1 ug/L	< 1 ug/L	
635049-3	GHS 2 Flush	04/06/2022 5:10 am	Multiple Compartment Sink - Faucet, Cold, Consumption, Kitchen, , Sink, Main Bldg, 1st Floor	Furnace AA	Lead	1 ug/L	1.4 ug/L	
635049-4	GHS 3 Flush	04/06/2022 5:10 am	Multiple Compartment Sink - Faucet, Cold, Consumption, Kitchen, , Sink, Main Bldg, 1st Floor	Furnace AA	Lead	1 ug/L	1.4 ug/L	
635049-5	GHS 4 First-Draw	04/06/2022 5:10 am	Ice Machine (Stand Alone), Consumption, Kitchen, , Ice Maker, Main Bldg, 1st Floor	Furnace AA	Lead	1 ug/L	13 ug/L	12.8 ug/L. This result meets or exceeds the 5.5ppb action level as established by MDE for schools.
635049-6	GHS 5 Flush	04/06/2022 5:10 am	Faucet, Cold, Consumption, Kitchen, , Sink, Main Bldg, 1st Floor	Furnace AA	Lead	1 ug/L	< 1 ug/L	
635049-7	GHS 6 First-Draw	04/05/2022 5:15 am	Bottle Filler/Drinking Fountain Combo Unit - Fountain - Cooler/Chiller Style (Refrigerated), Consumption, Hallway, , Fountain, Main Bldg, 1st Floor	Furnace AA	Lead	1 ug/L	< 1 ug/L	
635049-8	GHS 6BW First-Draw	04/06/2022 5:10 am	Bottle Filler/Drinking Fountain Combo Unit - Bottle Filler, Consumption, Hallway, , Bottle Fill Station, Main Bldg, 1st Floor	Furnace AA	Lead	1 ug/L	< 1 ug/L	



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635049-9	GHS 7 First-Draw	04/05/2022 5:15 am	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated), Consumption, Hallway, , Fountain, Main Bldg, 1st Floor	Furnace AA	Lead	1 ug/L	< 1 ug/L	
635049-10	GHS 8 First-Draw	04/05/2022 5:15 am	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated), Consumption, Hallway, , Fountain, Main Bldg, 1st Floor	Furnace AA	Lead	1 ug/L	< 1 ug/L	
635049-11	GHS 9 First-Draw	04/06/2022 5:10 am	Faucet, Cold, Consumption, Office, , Sink, Main Bldg, 1st Floor	Furnace AA	Lead	1 ug/L	3.3 ug/L	
635049-12	GHS 12 First-Draw	04/05/2022 5:15 am	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated), Consumption, Classroom, , Fountain, Main Bldg, 1st Floor	Furnace AA	Lead	1 ug/L	1.4 ug/L	
635049-13	GHS 13 First-Draw	04/05/2022 5:15 am	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated), Consumption, Classroom, , Fountain, Main Bldg, 1st Floor	Furnace AA	Lead	1 ug/L	1.2 ug/L	
635049-14	GHS 17 First-Draw	04/06/2022 5:10 am	Ice Machine (Stand Alone), Consumption, Locker Room, , Ice Maker, Main Bldg, 1st Floor	Furnace AA	Lead	1 ug/L	< 1 ug/L	
635049-15	GHS 18 First-Draw	04/05/2022 5:15 am	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated), Consumption, Locker Room, , Fountain, Main Bldg, 1st Floor	Furnace AA	Lead	1 ug/L	1.5 ug/L	
635049-16	GHS 19 First-Draw	04/06/2022 5:10 am	Ice Machine (Stand Alone), Consumption, Locker Room, , Ice Maker, Main Bldg, 1st Floor	Furnace AA	Lead	1 ug/L	< 1 ug/L	
635049-17	GHS 20F 20 JK	04/05/2022 5:15 am	Combination Sink - Fountain - Cooler/Chiller Style (Refrigerated), Consumption, Locker Room, , Fountain, Main Bldg, 1st Floor	Furnace AA	Lead	1 ug/L	< 1 ug/L	
635049-18	GHS 20S 20A JK	04/06/2022 5:10 am	Combination Sink - Faucet, Cold, Consumption, Locker Room, , Sink, Main Bldg, 1st Floor	Furnace AA	Lead	1 ug/L	4.4 ug/L	
635049-19	GHS 22 First-Draw	04/05/2022 5:15 am	Bottle Filler/Drinking Fountain Combo Unit - Fountain - Cooler/Chiller Style (Refrigerated), Consumption, Hallway, , Fountain, Main Bldg, 1st Floor	Furnace AA	Lead	1 ug/L	< 1 ug/L	
635049-20	GHS 22BW First-Draw	04/06/2022 5:10 am	Bottle Filler/Drinking Fountain Combo Unit - Bottle Filler, Consumption, Hallway, , Bottle Fill Station, Main Bldg, 1st Floor	Furnace AA	Lead	1 ug/L	< 1 ug/L	



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635049-21	GHS 23 First-Draw	04/06/2022 5:10 am	Faucet, Cold, Consumption, Office, , Sink, Main Bldg, 1st Floor	Furnace AA	Lead	1 ug/L	9.9 ug/L	This result meets or exceeds the 5.5ppb action level as established by MDE for schools.
635049-22	GHS 25 First-Draw	04/05/2022 5:15 am	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated), Consumption, Hallway, , Fountain, Main Bldg, 1st Floor	Furnace AA	Lead	1 ug/L	1.9 ug/L	
635049-23	GHS 26 First-Draw	04/06/2022 5:10 am	Faucet, Cold, Consumption, Teachers' Lounge/Break Room, , Sink, Main Bldg, 1st Floor	Furnace AA	Lead	1 ug/L	7.3 ug/L	This result meets or exceeds the 5.5ppb action level as established by MDE for schools.
635049-24	GHS 27 First-Draw	04/05/2022 5:15 am	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated), Consumption, Hallway, , Fountain, Main Bldg, 1st Floor	Furnace AA	Lead	1 ug/L	< 1 ug/L	
635049-25	GHS 28 First-Draw	04/05/2022 5:15 am	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated), Consumption, Hallway, , Fountain, Main Bldg, 1st Floor	Furnace AA	Lead	1 ug/L	< 1 ug/L	
635049-26	GHS 29 First-Draw	04/05/2022 5:15 am	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated), Consumption, Hallway, , Fountain, Main Bldg, 1st Floor	Furnace AA	Lead	1 ug/L	< 1 ug/L	
635049-27	GHS 30 First-Draw	04/05/2022 5:15 am	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated), Consumption, Hallway, , Fountain, Main Bldg, 1st Floor	Furnace AA	Lead	1 ug/L	< 1 ug/L	
635049-28	GHS 31 First-Draw	04/05/2022 5:15 am	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated), Consumption, Hallway, , Fountain, Main Bldg, 1st Floor	Furnace AA	Lead	1 ug/L	< 1 ug/L	
635049-29	GHS 32 First-Draw	04/05/2022 5:15 am	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated), Consumption, Hallway, , Fountain, Main Bldg, 1st Floor	Furnace AA	Lead	1 ug/L	< 1 ug/L	



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635049-30	GHS 33 First-Draw	04/05/2022 5:15 am	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated), Consumption, Hallway, , Fountain, Main Bldg, 1st Floor	Furnace AA	Lead	1 ug/L	< 1 ug/L	
635049-31	GHS 34 First-Draw	04/06/2022 5:10 am	Faucet, Cold, Consumption, Office, , Sink, Main Bldg, 1st Floor	Furnace AA	Lead	1 ug/L	3.3 ug/L	
635049-32	GHS 36 First-Draw	04/06/2022 5:10 am	Faucet, Cold, Consumption, Staff Workroom, , Sink, Main Bldg, 1st Floor	Furnace AA	Lead	1 ug/L	3 ug/L	3.0 ug/L.
635049-33	GHS 37 First-Draw	04/05/2022 5:15 am	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated), Consumption, Hallway, , Fountain, Main Bldg, 1st Floor	Furnace AA	Lead	1 ug/L	< 1 ug/L	
635049-34	GHS 38 First-Draw	04/06/2022 5:10 am	Faucet, Cold, Consumption, Staff Workroom, , Sink, Main Bldg, 1st Floor	Furnace AA	Lead	1 ug/L	4.4 ug/L	
635049-35	GHS 40 First-Draw	04/05/2022 5:15 am	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated), Consumption, Classroom, , Fountain, Main Bldg, 1st Floor	Furnace AA	Lead	1 ug/L	< 1 ug/L	
635049-36	GHS 41 First-Draw	04/06/2022 5:10 am	Faucet, Cold, Consumption, Classroom (Home Economics), , Sink, Main Bldg, 1st Floor	Furnace AA	Lead	1 ug/L	1.1 ug/L	
635049-37	GHS 42 First-Draw	04/06/2022 5:10 am	Faucet, Cold, Consumption, Classroom (Home Economics), , Sink, Main Bldg, 1st Floor	Furnace AA	Lead	1 ug/L	1.2 ug/L	
635049-38	GHS 43 First-Draw	04/06/2022 5:10 am	Faucet, Cold, Consumption, Classroom (Home Economics), , Sink, Main Bldg, 1st Floor	Furnace AA	Lead	1 ug/L	1.2 ug/L	
635049-39	GHS 44 First-Draw	04/06/2022 5:10 am	Faucet, Cold, Consumption, Classroom (Home Economics), , Sink, Main Bldg, 1st Floor	Furnace AA	Lead	1 ug/L	1 ug/L	1.0 ug/L.
635049-40	GHS 45 First-Draw	04/06/2022 5:10 am	Faucet, Cold, Consumption, Classroom (Home Economics), , Sink, Main Bldg, 1st Floor	Furnace AA	Lead	1 ug/L	1.6 ug/L	
635049-41	GHS 46 First-Draw	04/06/2022 5:10 am	Faucet, Cold, Consumption, Classroom (Home Economics), , Sink, Main Bldg, 1st Floor	Furnace AA	Lead	1 ug/L	< 1 ug/L	
635049-42	GHS 49 First-Draw	04/05/2022 5:15 am	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated), Consumption, Hallway, , Fountain, Main Bldg, 2nd Floor	Furnace AA	Lead	1 ug/L	< 1 ug/L	
635049-43	GHS 51 First-Draw	04/05/2022 5:15 am	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated), Consumption, Hallway, , Fountain, Main Bldg, 2nd Floor	Furnace AA	Lead	1 ug/L	< 1 ug/L	



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635049-44	GHS 50 First-Draw	04/06/2022 5:10 am	Faucet, Cold, Consumption, Teachers' Lounge/Break Room, , Sink, Main Bldg, 1st Floor	Furnace AA	Lead	1 ug/L	4.4 ug/L	
635049-45	GHS 54 First-Draw	04/06/2022 5:10 am	Faucet, Cold, Consumption, Concessions, , Sink, Stadium, 1st Floor	Furnace AA	Lead	1 ug/L	< 1 ug/L	
635049-46	GHS 55 First-Draw	04/06/2022 5:10 am	Ice Machine (Stand Alone), Consumption, Concessions, , Ice Maker, Stadium, 1st Floor	Furnace AA	Lead	1 ug/L	< 1 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: Shakia Dawkins & Brittany Maas/KCI Technologies
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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