

Maryland Water Quality Lab #262W

NY ELAP

10920

Chain of Custody: 645051

Client: Howard County Public School System

Address: 10910 Route 108

Ellicott City, MD 21042

Attention: Jeff Klenk

Job Name: River Hill High School

Job Location: 12101 Clarksville Pike, Clarksville, MD

21029

Job Number: 13.053

P.O. Number: Not Provided

Date Submitted: 03/30/2023

Date Analyzed: 04/14/2023

Report Date: 04/17/2023

Date Sampled: 03/21/2023 & 3/22 and 29, 2023

Person Submitting: Jeff Klenk

AMA Sample Number	Client Sample Number	Date/Time	Sample Collection Information Location	Analysis Type	Sample Analyte	Reporting Limit	Final Result	Comments
645051- 1	RHHS 1 First-Draw	03/21/2023 5:20 am	Faucet, Cold, Consumption, Staff Workroom, , Sink, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	2.8 ug/L	
645051- 2	RHHS 2 First-Draw	03/21/2023 5:20 am	Bottle Filler/Drinking Fountain Combo Unit - Fountain - Cooler/Chiller Style (Refrigerated), Consumption, Hallway, , Fountain, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	1.3 ug/L	
645051- 3	RHHS 2BW First-Draw	03/22/2023 6:12 am	Bottle Filler/Drinking Fountain Combo Unit - Bottle Filler, Consumption, Hallway, , Bottler Filler, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	< 0.5 ug/L	
645051- 4	RHHS 3 First-Draw	03/21/2023 5:20 am	Faucet, Cold, Consumption, Teachers' Lounge/Break Room, , Sink, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	2.2 ug/L	
645051- 5	RHHS 4 Flush	03/22/2023 6:12 am	Faucet, Cold, Consumption, Kitchen, , Sink, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	< 0.5 ug/L	
645051- 6	RHHS 5 First-Draw	03/21/2023 5:20 am	Faucet, Cold, Consumption, Kitchen, , Sink, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	3.5 ug/L	
645051- 7	RHHS 6 Flush	03/22/2023 6:12 am	Commercial Kitchen Kettle, Cold (i.e., faucet leading into kettle), Consumption, Kitchen, , Kettle, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	< 0.5 ug/L	
645051- 8	RHHS 7 First-Draw	03/21/2023 5:20 am	Ice Machine (Stand Alone), Consumption, Kitchen, , Ice Maker, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	< 0.5 ug/L	
645051- 9	RHHS 8 First-Draw	03/21/2023 5:20 am	Faucet, Cold, Consumption, Kitchen, , Sink, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	0.66 ug/L	
645051- 10	RHHS 9 First-Draw	03/21/2023 5:20 am	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated), Consumption, Hallway, , Fountain, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	< 0.5 ug/L	
645051- 11	RHHS 10 First-Draw	03/21/2023 5:20 am	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated), Consumption, Hallway, , Fountain, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	< 0.5 ug/L	
645051- 12	RHHS 11 First-Draw	03/21/2023 5:20 am	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated), Consumption, Hallway, , Fountain, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	< 0.5 ug/L	
645051- 13	RHHS 15 First-Draw	03/21/2023 5:20 am	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated), Consumption, Hallway, , Fountain, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	< 0.5 ug/L	
645051- 14	RHHS 16 First-Draw	03/21/2023 5:20 am	Faucet, Cold, Consumption, Teachers' Lounge/Break Room, , Sink, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	2.1 ug/L	



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645051- 15	RHHS 17F First-Draw	03/21/2023 5:20 am	Combination Sink - Fountain - Bubbler Style (Non-Refrigerated), Consumption, Classroom, , Fountain, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	6.4 ug/L	6.4 ug/L. This result exceeds the Maryland action level of 5.5 ppb for lead in drinking water.
645051- 16	RHHS 18 First-Draw	03/21/2023 5:20 am	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated), Consumption, Hallway, , Fountain, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	< 0.5 ug/L	
645051- 17	RHHS 19 First-Draw	03/21/2023 5:20 am	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated), Consumption, Hallway, , Fountain, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	< 0.5 ug/L	
645051- 18	RHHS 21 First-Draw	03/21/2023 5:20 am	Faucet, Cold, Consumption, Media Center, , Sink, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	5.8 ug/L	5.8 ug/L. This result exceeds the Maryland action level of 5.5 ppb for lead in drinking water.
645051- 19	RHHS 22 First-Draw	03/21/2023 5:20 am	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated), Consumption, Hallway, , Fountain, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	< 0.5 ug/L	
645051- 20	RHHS 23 First-Draw	03/21/2023 5:20 am	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated), Consumption, Hallway, , Fountain, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	< 0.5 ug/L	
645051- 21	RHHS 25 First-Draw	03/21/2023 5:20 am	Faucet, Cold, Consumption, Nurse's Office/Health Room, , Sink, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	2.9 ug/L	
645051- 22	RHHS 26 First-Draw	03/21/2023 5:20 am	Faucet, Cold, Consumption, Teachers' Lounge/Break Room, , Sink, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	4.2 ug/L	
645051- 23	RHHS 27 First-Draw	03/21/2023 5:20 am	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated), Consumption, Hallway, , Fountain, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	< 0.5 ug/L	



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645051- 24	RHHS 28 First-Draw	03/21/2023 5:20 am	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated), Consumption, Hallway, , Fountain, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	< 0.5 ug/L	
645051- 25	RHHS 29 First-Draw	03/21/2023 5:20 am	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated), Consumption, Classroom, , Fountain, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	0.69 ug/L	
645051- 26	RHHS 30 First-Draw	03/21/2023 5:20 am	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated), Consumption, Classroom, , Fountain, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	< 0.5 ug/L	
645051- 27	RHHS 31 First-Draw	03/21/2023 5:20 am	Faucet, Cold, Consumption, Teachers' Lounge/Break Room, , Sink, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	3 ug/L	3.0 ug/L
645051- 28	RHHS 34 First-Draw	03/21/2023 5:20 am	Faucet, Cold, Consumption, Concessions, , Sink, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	< 0.5 ug/L	
645051- 29	RHHS 35 First-Draw	03/21/2023 5:20 am	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated), Consumption, Hallway, , Fountain, Main Bldg, 1st Floor	ICP	Lead	0.5 ug/L	< 0.5 ug/L	
645051- 30	RHHS 36 First-Draw	03/21/2023 5:20 am	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated), Consumption, Locker Room, , Fountain, Main Bldg, Ground Floor	ICP	Lead	0.5 ug/L	< 0.5 ug/L	
645051- 31	RHHS 37 First-Draw	03/21/2023 5:20 am	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated), Consumption, Locker Room, , Fountain, Main Bldg, Ground Floor	ICP	Lead	0.5 ug/L	0.8 ug/L	0.81 ug/L
645051- 32	RHHS 38 First-Draw	03/21/2023 5:20 am	Ice Machine (Stand Alone), Consumption, Weight/Training/Fitness Room, , Ice Maker, Main Bldg, Ground Floor	ICP	Lead	0.5 ug/L	< 0.5 ug/L	
645051- 33	RHHS 39 First-Draw	03/21/2023 5:20 am	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated), Consumption, Hallway, , Fountain, Main Bldg, Ground Floor	ICP	Lead	0.5 ug/L	< 0.5 ug/L	
645051- 34	RHHS 40 First-Draw	03/21/2023 5:20 am	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated), Consumption, Hallway, , Fountain, Main Bldg, Ground Floor	ICP	Lead	0.5 ug/L	< 0.5 ug/L	
645051- 35	RHHS 41 First-Draw	03/21/2023 5:20 am	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated), Consumption, Hallway, , Fountain, Main Bldg, Ground Floor	ICP	Lead	0.5 ug/L	< 0.5 ug/L	
645051- 36	RHHS 43 First-Draw	03/21/2023 5:20 am	Faucet, Cold, Consumption, Teachers' Lounge/Break Room, , Sink, Main Bldg, Ground Floor	ICP	Lead	0.5 ug/L	0.96 ug/L	
645051- 37	RHHS 44 First-Draw	03/21/2023 5:20 am	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated), Consumption, Hallway, , Fountain, Main Bldg, Ground Floor	ICP	Lead	0.5 ug/L	< 0.5 ug/L	



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645051- 38	RHHS 45 First-Draw	03/21/2023 5:20 am	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated), Consumption, Hallway, , Fountain, Main Bldg, Ground Floor	ICP	Lead	0.5 ug/L	36 ug/L	36.0 ug/L. This result exceeds the Maryland action level of 5.5 ppb for lead in drinking water.
645051- 39	RHHS 49 First-Draw	03/21/2023 5:20 am	Faucet, Cold, Consumption, Classroom (Home Economics), , Sink, Main Bldg, Ground Floor	ICP	Lead	0.5 ug/L	0.94 ug/L	
645051- 40	RHHS 50 First-Draw	03/21/2023 5:20 am	Faucet, Cold, Consumption, Classroom (Home Economics), , Sink, Main Bldg, Ground Floor	ICP	Lead	0.5 ug/L	1.1 ug/L	
645051- 41	RHHS 51 First-Draw	03/21/2023 5:20 am	Faucet, Cold, Consumption, Classroom (Home Economics), , Sink, Main Bldg, Ground Floor	ICP	Lead	0.5 ug/L	< 0.5 ug/L	
645051- 42	RHHS 52 First-Draw	03/21/2023 5:20 am	Faucet, Cold, Consumption, Classroom (Home Economics), , Sink, Main Bldg, Ground Floor	ICP	Lead	0.5 ug/L	3.9 ug/L	
645051- 43	RHHS 53 First-Draw	03/21/2023 5:20 am	Faucet, Cold, Consumption, Classroom (Home Economics), , Sink, Main Bldg, Ground Floor	ICP	Lead	0.5 ug/L	< 0.5 ug/L	
645051- 44	RHHS 54 First-Draw	03/21/2023 5:20 am	Faucet, Cold, Consumption, Classroom (Home Economics), , Sink, Main Bldg, Ground Floor	ICP	Lead	0.5 ug/L	2 ug/L	2.0 ug/L
645051- 45	RHHS 55 First-Draw	03/21/2023 5:20 am	Faucet, Cold, Consumption, Classroom (Home Economics), , Sink, Main Bldg, Ground Floor	ICP	Lead	0.5 ug/L	1.4 ug/L	
645051- 46	RHHS 56 First-Draw	03/21/2023 5:20 am	Faucet, Cold, Consumption, Classroom (Home Economics), , Sink, Main Bldg, Ground Floor	ICP	Lead	0.5 ug/L	2 ug/L	2.0 ug/L
645051- 47	RHHS 58 First-Draw	03/21/2023 5:20 am	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated), Consumption, Hallway, , Fountain, Main Bldg, Ground Floor	ICP	Lead	0.5 ug/L	< 0.5 ug/L	
645051- 48	RHHS 59 First-Draw	03/21/2023 5:20 am	Faucet, Cold, Consumption, Teachers' Lounge/Break Room, , Sink, Main Bldg, Ground Floor	ICP	Lead	0.5 ug/L	0.58 ug/L	



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645051- 49	RHHS 60 First-Draw	03/21/2023 5:20 am	Drinking Water Fountain - Cooler/Chiller Style (Refrigerated), Consumption, Hallway, , Fountain, Main Bldg, Ground Floor	ICP	Lead	0.5 ug/L	0.61 ug/L	
645051- 50	RHHS 61 First-Draw	03/21/2023 5:20 am	Faucet, Cold, Consumption, Concessions, , Sink, Main Bldg, Ground Floor	ICP	Lead	0.5 ug/L	0.99 ug/L	
645051- 51	RHHS 62L First-Draw	03/22/2023 6:12 am	Spigot (with threadings for hose connection), Consumption, Outdoors, , Hose Bib, Stadium,	ICP	Lead	0.5 ug/L	2.1 ug/L	
645051- 52	RHHS 62R First-Draw	03/22/2023 6:12 am	Spigot (with threadings for hose connection), Consumption, Outdoors, , Hose Bib, Stadium,	ICP	Lead	0.5 ug/L	3.8 ug/L	
645051- 53	RHHS 63 First-Draw	03/29/2023 6:50 am	Spigot (with threadings for hose connection), Consumption, Outdoors, , Hose Bib, Main Bldg,	ICP	Lead	0.5 ug/L	< 0.5 ug/L	
645051- 54	RHHS 64 First-Draw	03/21/2023 5:20 am	Spigot (with threadings for hose connection), Consumption, Storage Room/Area, , Hose Bib, Main Bldg, Ground Floor	ICP	Lead	0.5 ug/L	3.7 ug/L	
645051- 55	RHHS 66 First-Draw	03/21/2023 5:20 am	Faucet, Cold, Consumption, Teachers' Lounge/Break Room, , Sink, Main Bldg, Ground Floor	ICP	Lead	0.5 ug/L	1.1 ug/L	
645051- 56	RHHS 67 First-Draw	03/21/2023 5:20 am	Faucet, Cold, Consumption, Classroom, , Sink, Main Bldg, Ground Floor	ICP	Lead	0.5 ug/L	3.7 ug/L	



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Summary of Drinking Water Analysis for Metals

Analysis Sample Reporting Final AMA **Client Sample Sample Collection Information** Comments Sample Number **Analyte Limit** Result **Type** Date/Time Location Number

Analysis Methods: Flame AA: APHA SM3111B (1999, 22nd Ed.), Furnace AA: APHA SM3113B (2010, 22nd Ed.), ICP: EPA 200.8 Sample Collector: Jeff Klenk & Aruna Bandaranayake

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.

Jean-Paul Littleton

Analyst(s): Jean-Paul Littleton

(Rev. 5.4)

Technical Director

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