



CERTIFICATE OF ANALYSIS

Chain of Custody: 610748
Client: Howard County Public School System
Address: 10910 Route 108
Ellicott City, MD 21042
Attention: Jeff Klenk

Job Name: Glenwood Middle School
Job Location: 2690 MD-97, Glenwood, MD 21738
Job Number: 13.069
P.O. Number: Not Provided

Date Submitted: 10/12/2018
Date Analyzed: 10/18/2018
Report Date: 10/19/2018
Date Sampled: 10/11/2018
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					
610748-1	GMS 1 1st Draw	10/11/2018 5:05 am	KS	ICP	Lead	0.5 ug/L	3.4 ug/L	
610748-2	GMS 2 1st Draw	10/11/2018 5:05 am	IM	ICP	Lead	0.5 ug/L	< 0.5 ug/L	
610748-3	GMS 3 1st Draw	10/11/2018 5:05 am	KS	ICP	Lead	0.5 ug/L	1.6 ug/L	
610748-4	GMS 4 1st Draw	10/11/2018 5:05 am	DF/C	ICP	Lead	0.5 ug/L	< 0.5 ug/L	
610748-5	GMS 5 1st Draw	10/11/2018 5:05 am	DF/C	ICP	Lead	0.5 ug/L	< 0.5 ug/L	
610748-6	GMS 6 1st Draw	10/11/2018 5:05 am	TL	ICP	Lead	0.5 ug/L	< 0.5 ug/L	
610748-7	GMS 7 1st Draw	10/11/2018 5:05 am	NO	ICP	Lead	0.5 ug/L	0.94 ug/L	
610748-8	GMS 8 1st Draw	10/11/2018 5:05 am	TL	ICP	Lead	0.5 ug/L	0.83 ug/L	
610748-9	GMS 9 1st Draw	10/11/2018 5:05 am	DF/C	ICP	Lead	0.5 ug/L	1.2 ug/L	
610748-10	GMS 10 1st Draw	10/11/2018 5:05 am	DF/C	ICP	Lead	0.5 ug/L	0.87 ug/L	
610748-11	GMS 11 1st Draw	10/11/2018 5:05 am	HE	ICP	Lead	0.5 ug/L	0.96 ug/L	
610748-12	GMS 12 1st Draw	10/11/2018 5:05 am	HE	ICP	Lead	0.5 ug/L	< 0.5 ug/L	
610748-13	GMS 13 1st Draw	10/11/2018 5:05 am	HE	ICP	Lead	0.5 ug/L	1.5 ug/L	
610748-14	GMS 14 1st Draw	10/11/2018 5:05 am	HE	ICP	Lead	0.5 ug/L	0.86 ug/L	
610748-15	GMS 15 1st Draw	10/11/2018 5:05 am	HE	ICP	Lead	0.5 ug/L	0.81 ug/L	
610748-16	GMS 16 1st Draw	10/11/2018 5:05 am	HE	ICP	Lead	0.5 ug/L	1.2 ug/L	
610748-17	GMS 17 1st Draw	10/11/2018 5:05 am	DF/C	ICP	Lead	0.5 ug/L	< 0.5 ug/L	
610748-18	GMS 18 1st Draw	10/11/2018 5:05 am	OT.6	ICP	Lead	0.5 ug/L	0.73 ug/L	
610748-19	GMS 19 1st Draw	10/11/2018 5:05 am	DF/C	ICP	Lead	0.5 ug/L	< 0.5 ug/L	
610748-20	GMS 20 1st Draw	10/11/2018 5:05 am	CR	ICP	Lead	0.5 ug/L	0.64 ug/L	



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		Date/Time	Location					
610748-21	GMS 21 1st Draw	10/11/2018 5:05 am	OT.6	ICP	Lead	0.5 ug/L	4.7 ug/L	
610748-22	GMS 22 1st Draw	10/11/2018 5:05 am	OT.7	ICP	Lead	0.5 ug/L	2.6 ug/L	
610748-23	GMS 23 1st Draw	10/11/2018 5:05 am	DF/C	ICP	Lead	0.5 ug/L	< 0.5 ug/L	
610748-24	GMS 24 1st Draw	10/11/2018 5:05 am	OT.6	ICP	Lead	0.5 ug/L	1.7 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)

mg/L = Parts Per Million (ppm), N/A = Not Applicable, ug/L = Parts Per Billion, N/P = Not Provided

Analyst(s): George Land, Jean-Paul Littleton

Sample Collector: Jeff Klenk

Certification:

All results are to be considered preliminary and subject to change unless signed by the Technical Director or Deputy.

Technical Director G. Edward Carney

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