



# CERTIFICATE OF ANALYSIS

**Chain of Custody:** 619726  
**Client:** Howard County Public School System  
**Address:** 10910 Route 108  
Ellicott City, MD 21042  
**Attention:** Jeff Klenk

**Job Name:** Burleigh Manor Middle School  
**Job Location:** 4200 Centennial Lane, Ellicott City  
21042  
**Job Number:** 13.046  
**P.O. Number:** Not Provided

**Date Submitted:** 12/19/2019  
**Date Analyzed:** 01/06/2020  
**Report Date:** 01/07/2020  
**Date Sampled:** 12/18/2019 - 12/19/2019  
**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					
619726-1	BMMS 2 FD	12/18/2019 5:15 am	DF/C	ICP	Lead	0.5 ug/L	< 0.5 ug/L	
619726-2	BMMS 5 FD	12/18/2019 5:15 am	DF/C	ICP	Lead	0.5 ug/L	< 0.5 ug/L	
619726-3	BMMS 13 FD	12/18/2019 5:15 am	DF/C	ICP	Lead	0.5 ug/L	< 0.5 ug/L	
619726-4	BMMS 19 FD	12/18/2019 5:15 am	DF/C	ICP	Lead	0.5 ug/L	< 0.5 ug/L	
619726-5	BMMS 22F FD	12/18/2019 5:15 am	CC/B	ICP	Lead	0.5 ug/L	7.4 ug/L	
619726-6	BMMS 23 FD	12/18/2019 5:15 am	DF/C	ICP	Lead	0.5 ug/L	< 0.5 ug/L	
619726-7	BMMS 24 FD	12/18/2019 5:15 am	DF/C	ICP	Lead	0.5 ug/L	0.66 ug/L	
619726-8	BMMS 28 FD	12/18/2019 5:15 am	DF/C	ICP	Lead	0.5 ug/L	< 0.5 ug/L	
619726-9	BMMS 30 FD	12/18/2019 5:15 am	DF/C	ICP	Lead	0.5 ug/L	< 0.5 ug/L	
619726-10	BMMS 40 FD	12/18/2019 5:15 am	DF/C	ICP	Lead	0.5 ug/L	< 0.5 ug/L	
619726-11	BMMS 41 FD	12/18/2019 5:15 am	DF/C	ICP	Lead	0.5 ug/L	< 0.5 ug/L	
619726-12	BMMS 42 FD	12/18/2019 5:15 am	DF/C	ICP	Lead	0.5 ug/L	< 0.5 ug/L	
619726-13	BMMS 3F FD	12/18/2019 5:15 am	CC/B	ICP	Lead	0.5 ug/L	1.4 ug/L	
619726-14	BMMS 1 FD	12/19/2019 5:40 am	TL	ICP	Lead	0.5 ug/L	< 0.5 ug/L	
619726-15	BMMS 3S FD	12/19/2019 5:40 am	CC/S	ICP	Lead	0.5 ug/L	9.6 ug/L	
619726-16	BMMS 4 FD	12/19/2019 5:40 am	CR	ICP	Lead	0.5 ug/L	0.7 ug/L	
619726-17	BMMS 6 FD	12/19/2019 5:40 am	CR	ICP	Lead	0.5 ug/L	3.3 ug/L	
619726-18	BMMS 7 FD	12/19/2019 5:40 am	CR	ICP	Lead	0.5 ug/L	< 0.5 ug/L	
619726-19	BMMS 8 FD	12/19/2019 5:40 am	OT.7	ICP	Lead	0.5 ug/L	< 0.5 ug/L	
619726-20	BMMS 9 FD	12/19/2019 5:40 am	OT.2	ICP	Lead	0.5 ug/L	2.8 ug/L	



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619726-21	BMMS 10 FD	12/19/2019 5:40 am	TL	ICP	Lead	0.5 ug/L	3.5 ug/L	
619726-22	BMMS 11 FD	12/19/2019 5:40 am	OT.6	ICP	Lead	0.5 ug/L	6 ug/L	
619726-23	BMMS 12 FD	12/19/2019 5:40 am	OT.6	ICP	Lead	0.5 ug/L	26 ug/L	25.9 ug/L. This sample has an elevated level of lead (above 20.5 ppb).
619726-24	BMMS 14 FD	12/19/2019 5:40 am	OT.6	ICP	Lead	0.5 ug/L	20 ug/L	20.2 ug/L.
619726-25	BMMS 15 FD	12/19/2019 5:40 am	OT.6	ICP	Lead	0.5 ug/L	190 ug/L	188.5 ug/L. This sample has an elevated level of lead (above 20.5 ppb).
619726-26	BMMS 16 FD	12/19/2019 5:40 am	OT.6	ICP	Lead	0.5 ug/L	56 ug/L	55.5 ug/L. This sample has an elevated level of lead (above 20.5 ppb).
619726-27	BMMS 17 FD	12/19/2019 5:40 am	OT.6	ICP	Lead	0.5 ug/L	2.4 ug/L	
619726-28	BMMS 18 FD	12/19/2019 5:40 am	OT.6	ICP	Lead	0.5 ug/L	31 ug/L	31.0 ug/L. This sample has an elevated level of lead (above 20.5 ppb).
619726-29	BMMS 20 FD	12/19/2019 5:40 am	OT.2	ICP	Lead	0.5 ug/L	0.58 ug/L	
619726-30	BMMS 21 FD	12/19/2019 5:40 am	OT.2	ICP	Lead	0.5 ug/L	< 0.5 ug/L	
619726-31	BMMS 22S FD	12/19/2019 5:40 am	CC/S	ICP	Lead	0.5 ug/L	17 ug/L	16.9 ug/L.
619726-32	BMMS 25 FD	12/19/2019 5:40 am	KS	ICP	Lead	0.5 ug/L	2.3 ug/L	
619726-33	BMMS 26 FD	12/19/2019 5:40 am	KK	ICP	Lead	0.5 ug/L	2.3 ug/L	
619726-34	BMMS 27 FD	12/19/2019 5:40 am	KS	ICP	Lead	0.5 ug/L	1.2 ug/L	
619726-35	BMMS 29 FD	12/19/2019 5:40 am	NO	ICP	Lead	0.5 ug/L	0.91 ug/L	
619726-36	BMMS 31 FD	12/19/2019 5:40 am	HE	ICP	Lead	0.5 ug/L	2.7 ug/L	
619726-37	BMMS 32 FD	12/19/2019 5:40 am	HE	ICP	Lead	0.5 ug/L	< 0.5 ug/L	
619726-38	BMMS 33 FD	12/19/2019 5:40 am	HE	ICP	Lead	0.5 ug/L	< 0.5 ug/L	



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		Date/Time	Location					
619726-39	BMMS 34 FD	12/19/2019 5:40 am	HE	ICP	Lead	0.5 ug/L	0.52 ug/L	
619726-40	BMMS 35 FD	12/19/2019 5:40 am	HE	ICP	Lead	0.5 ug/L	0.66 ug/L	
619726-41	BMMS 36 FD	12/19/2019 5:40 am	HE	ICP	Lead	0.5 ug/L	< 0.5 ug/L	
619726-42	BMMS 37 FD	12/19/2019 5:40 am	HE	ICP	Lead	0.5 ug/L	2.2 ug/L	
619726-43	BMMS 38 FD	12/19/2019 5:40 am	OT.2	ICP	Lead	0.5 ug/L	< 0.5 ug/L	
619726-44	BMMS 39 FD	12/19/2019 5:40 am	CR	ICP	Lead	0.5 ug/L	0.51 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):** 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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