

## **CERTIFICATE OF ANALYSIS**

Maryland
Water Quality
Lab #262W
NY ELAP

Chain of Custody:	610406	Job Name:	Jeffers Hill ES	Date Submitted:	09/26/2018	
Client:	Howard County Public School System	Job Location:	6001 Tamar Drive, Columbia, MD	Date Analyzed:	10/02/2018	NY EL
Address:	10910 Route 108		21045	Report Date:	10/03/2018	10920
	Ellicott City, MD 21042	Job Number:	13.014	Date Sampled:	09/26/2018	
Attention:	Jeff Klenk	P.O. Number:	Not Provided	Person Submitting:	Jeff Klenk	

## Summary of Drinking Water Analysis for Metals

AMA Sample Number	ple Client Sample Number	Sample Collection Information Date/Time Location		Analysis Type	Sample Analyte	Reporting Limit	Final Result	Comments	
610406-1	JHES 1 1st Draw	09/26/2018 5:00 am	KS	ICP	Lead	0.5 ug/L	19 ug/L	19.3 ug/L.	
610406-2	JHES 2 1st Draw	09/26/2018 5:02 am	DF/C	ICP	Lead	0.5 ug/L	0.83 ug/L		
610406-3	JHES 3 1st Draw	09/26/2018 5:02 am	DF/C	ICP	Lead	0.5 ug/L	< 0.5 ug/L		
610406-4	JHES 4 1st Draw	09/26/2018 5:05 am	NO	ICP	Lead	0.5 ug/L	0.65 ug/L		
610406-5	JHES 5 1st Draw	09/26/2018 5:06 am	DF/B	ICP	Lead	0.5 ug/L	13 ug/L	13.4 ug/L.	
610406-6	JHES 6 1st Draw	09/26/2018 5:07 am	CR	ICP	Lead	0.5 ug/L	27 ug/L	26.6 ug/L. This sample has an elevated level of lead (above 20.5 ppb).	
610406-7	JHES 7 1st Draw	09/26/2018 5:07 am	CR	ICP	Lead	0.5 ug/L	17 ug/L	16.7 ug/L.	
610406-8	JHES 8 1st Draw	09/26/2018 5:08 am	DF/C	ICP	Lead	0.5 ug/L	0.54 ug/L		
610406-9	JHES 9 1st Draw	09/26/2018 5:09 am	TL	ICP	Lead	0.5 ug/L	0.59 ug/L		
610406-10	JHES 10 1st Draw	09/26/2018 5:10 am	CR	ICP	Lead	0.5 ug/L	7.8 ug/L		
610406-11	JHES 11 1st Draw	09/26/2018 5:11 am	DF/C	ICP	Lead	0.5 ug/L	4.1 ug/L		
610406-12	JHES 12 1st Draw	09/26/2018 5:11 am	DF/C	ICP	Lead	0.5 ug/L	8 ug/L		
610406-13	JHES 13 1st Draw	09/26/2018 5:12 am	CR	ICP	Lead	0.5 ug/L	11 ug/L	10.8 ug/L.	
610406-14	JHES 14 1st Draw	09/26/2018 5:12 am	CR	ICP	Lead	0.5 ug/L	6.6 ug/L		
610406-15	JHES 15 1st Draw	09/26/2018 5:13 am	DF/C	ICP	Lead	0.5 ug/L	4.4 ug/L		
610406-16	JHES 16 1st Draw	09/26/2018 5:13 am	DF/C	ICP	Lead	0.5 ug/L	4.6 ug/L		
610406-17	JHES 17 1st Draw	09/26/2018 5:14 am	CR	ICP	Lead	0.5 ug/L	5.2 ug/L		
610406-18	JHES 18 1st Draw	09/26/2018 5:14 am	CR	ICP	Lead	0.5 ug/L	3.7 ug/L		
610406-19	JHES 19 1st Draw	09/26/2018 5:15 am	DF/C	ICP	Lead	0.5 ug/L	2.6 ug/L		
610406-20	JHES 20 1st Draw	09/26/2018 5:15 am	DF/C	ICP	Lead	0.5 ug/L	2.5 ug/L		

4475 Forbes Blvd. · Lanham, MD, 20706 · (301) 459-2640 · Toll Free (800) 346-0961 · Fax (301) 459-2643



## **CERTIFICATE OF ANALYSIS**

Chain of Custody:	610406	Job Name:	Jeffers Hill ES	Date Submitted:	09/26/2018
Client:	Howard County Public School System	Job Location:	6001 Tamar Drive, Columbia, MD	Date Analyzed:	10/02/2018
Address:	10910 Route 108		21045	Report Date:	10/03/2018
	Ellicott City, MD 21042	Job Number:	13.014	Date Sampled:	09/26/2018
Attention:	Jeff Klenk	P.O. Number:	Not Provided	Person Submitting:	Jeff Klenk

## Summary of Drinking Water Analysis for Metals

AMA Sample	Client Sample Number	Sample Collection Information		Analysis	Sample	Reporting	Final Result	Comments
Number		Date/Time	Location	Туре	Analyte	Limit		
610406-21	JHES 21 1st Draw	09/26/2018 5:16 am	CR	ICP	Lead	0.5 ug/L	5.3 ug/L	
610406-22	JHES 22 1st Draw	09/26/2018 5:16 am	CR	ICP	Lead	0.5 ug/L	12 ug/L	11.9 ug/L.
610406-23	JHES 23 1st Draw	09/26/2018 5:17 am	DF/C	ICP	Lead	0.5 ug/L	2.6 ug/L	
610406-24	JHES 24 1st Draw	09/26/2018 5:17 am	DF/C	ICP	Lead	0.5 ug/L	3 ug/L	
610406-25	JHES 25 1st Draw	09/26/2018 5:18 am	CR	ICP	Lead	0.5 ug/L	12 ug/L	11.8 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, µg/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.

N Edual Cy

Technical Director G. Edward Carney

This report applies only to the sample, or samples, investigated and is not necessarily indicative of the quality or condition of apparently identical or similar products. As a mutual protection to clients, the public, and these Laboratories, this report is submitted and accepted for the exclusive use of the client to whom it is addressed and upon the condition that it is not to be used, in whole or in part, in any advertising or publicity matter without prior written authorization from us. Sample types, locations, and collection protocols are based upon the information provided by the persons submitting them and, unless collected by personnel of these Laboratories, we expressly disclaim any knowledge and liability for the accuracy and completeness of this information. Residual sample material will be discarded in accordance with the appropriate regulatory guidelines, unless otherwise requested by the client. NVLAP accreditation applies only to polarized light microscopy of bulk samples and transmission electron microscopy of AHERA air samples. This report must not be used to claim, and does not imply product certification, approval, or endorsement by NVLAP or any agency of the Federal Government. All rights reserved. AMA Analytical Services, Inc.