



CERTIFICATE OF ANALYSIS

Chain of Custody: 611070
Client: Howard County Public School System
Address: 10910 Route 108
Ellicott City, MD 21042
Attention: Jeff Klenk

Job Name: Stevens Forest Elementary School
Job Location: 6045 Stevens Forest Road, Columbia,
MD 21045
Job Number: 13.022
P.O. Number: Not Provided

Date Submitted: 10/26/2018
Date Analyzed: 11/03/2018
Report Date: 11/04/2018
Date Sampled: 10/23/2018 - 10/24/2018
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					
611070-1	SFES 2 1st Draw	10/23/2018 5:05 am	DF/C	ICP	Lead	0.5 ug/L	0.58 ug/L	
611070-2	SFES 3 1st Draw	10/23/2018 5:05 am	DF/C	ICP	Lead	0.5 ug/L	0.73 ug/L	
611070-3	SFES 5 1st Draw	10/23/2018 5:05 am	DF/C	ICP	Lead	0.5 ug/L	< 0.5 ug/L	
611070-4	SFES 6 1st Draw	10/23/2018 5:05 am	DF/C	ICP	Lead	0.5 ug/L	< 0.5 ug/L	
611070-5	SFES 7F 1st Draw	10/23/2018 5:05 am	CC/B	ICP	Lead	0.5 ug/L	0.9 ug/L	
611070-6	SFES 8F 1st Draw	10/23/2018 5:05 am	CC/B	ICP	Lead	0.5 ug/L	1.2 ug/L	
611070-7	SFES 9F 1st Draw	10/23/2018 5:05 am	CC/B	ICP	Lead	0.5 ug/L	1.5 ug/L	
611070-8	SFES 10F 1st Draw	10/23/2018 5:05 am	CC/B	ICP	Lead	0.5 ug/L	1.3 ug/L	
611070-9	SFES 11F 1st Draw	10/23/2018 5:05 am	CC/B	ICP	Lead	0.5 ug/L	1.2 ug/L	
611070-10	SFES 12F 1st Draw	10/23/2018 5:05 am	CC/B	ICP	Lead	0.5 ug/L	< 0.5 ug/L	
611070-11	SFES 13F 1st Draw	10/23/2018 5:05 am	CC/B	ICP	Lead	0.5 ug/L	2.1 ug/L	
611070-12	SFES 14F 1st Draw	10/23/2018 5:05 am	CC/B	ICP	Lead	0.5 ug/L	0.82 ug/L	
611070-13	SFES 15F 1st Draw	10/23/2018 5:05 am	CC/B	ICP	Lead	0.5 ug/L	0.63 ug/L	
611070-14	SFES 16F 1st Draw	10/23/2018 5:05 am	CC/B	ICP	Lead	0.5 ug/L	3.4 ug/L	
611070-15	SFES 17F 1st Draw	10/23/2018 5:05 am	CC/B	ICP	Lead	0.5 ug/L	0.58 ug/L	
611070-16	SFES 18F 1st Draw	10/23/2018 5:05 am	CC/B	ICP	Lead	0.5 ug/L	2.4 ug/L	
611070-17	SFES 19F 1st Draw	10/23/2018 5:05 am	CC/B	ICP	Lead	0.5 ug/L	0.64 ug/L	
611070-18	SFES 21F 1st Draw	10/23/2018 5:05 am	CC/B	ICP	Lead	0.5 ug/L	2.9 ug/L	
611070-19	SFES 22F 1st Draw	10/23/2018 5:05 am	CC/B	ICP	Lead	0.5 ug/L	1 ug/L	
611070-20	SFES 23F 1st Draw	10/23/2018 5:05 am	CC/B	ICP	Lead	0.5 ug/L	1.6 ug/L	



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611070-21	SFES 1 1st Draw	10/24/2018 5:05 am	KS	ICP	Lead	0.5 ug/L	7.6 ug/L	
611070-22	SFES 4 1st Draw	10/24/2018 5:05 am	CR	ICP	Lead	0.5 ug/L	< 0.5 ug/L	
611070-23	SFES 7S 1st Draw	10/24/2018 5:05 am	CC/S	ICP	Lead	0.5 ug/L	< 0.5 ug/L	
611070-24	SFES 8S 1st Draw	10/24/2018 5:05 am	CC/S	ICP	Lead	0.5 ug/L	< 0.5 ug/L	
611070-25	SFES 9S 1st Draw	10/24/2018 5:05 am	CC/S	ICP	Lead	0.5 ug/L	< 0.5 ug/L	
611070-26	SFES 10S 1st Draw	10/24/2018 5:05 am	CC/S	ICP	Lead	0.5 ug/L	< 0.5 ug/L	
611070-27	SFES 11S 1st Draw	10/24/2018 5:05 am	CC/S	ICP	Lead	0.5 ug/L	< 0.5 ug/L	
611070-28	SFES 12S 1st Draw	10/24/2018 5:05 am	CC/S	ICP	Lead	0.5 ug/L	< 0.5 ug/L	
611070-29	SFES 13S 1st Draw	10/24/2018 5:05 am	CC/S	ICP	Lead	0.5 ug/L	< 0.5 ug/L	
611070-30	SFES 14S 1st Draw	10/24/2018 5:05 am	CC/S	ICP	Lead	0.5 ug/L	< 0.5 ug/L	
611070-31	SFES 15S 1st Draw	10/24/2018 5:05 am	CC/S	ICP	Lead	0.5 ug/L	< 0.5 ug/L	
611070-32	SFES 16S 1st Draw	10/24/2018 5:05 am	CC/S	ICP	Lead	0.5 ug/L	< 0.5 ug/L	
611070-33	SFES 17S 1st Draw	10/24/2018 5:05 am	CC/S	ICP	Lead	0.5 ug/L	< 0.5 ug/L	
611070-34	SFES 18S 1st Draw	10/24/2018 5:05 am	CC/S	ICP	Lead	0.5 ug/L	< 0.5 ug/L	
611070-35	SFES 19S 1st Draw	10/24/2018 5:05 am	CC/S	ICP	Lead	0.5 ug/L	< 0.5 ug/L	
611070-36	SFES 20 1st Draw	10/24/2018 5:05 am	TL	ICP	Lead	0.5 ug/L	< 0.5 ug/L	
611070-37	SFES 21S 1st Draw	10/24/2018 5:05 am	CC/S	ICP	Lead	0.5 ug/L	0.55 ug/L	
611070-38	SFES 22S 1st Draw	10/24/2018 5:05 am	CC/S	ICP	Lead	0.5 ug/L	< 0.5 ug/L	
611070-39	SFES 23S 1st Draw	10/24/2018 5:05 am	CC/S	ICP	Lead	0.5 ug/L	< 0.5 ug/L	
611070-40	SFES 24 1st Draw	10/24/2018 5:05 am	NO	ICP	Lead	0.5 ug/L	< 0.5 ug/L	



CERTIFICATE OF ANALYSIS

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		Date/Time	Location					
611070-41	SFES 25 1st Draw	10/24/2018 5:05 am	NO	ICP	Lead	0.5 ug/L	< 0.5 ug/L	
611070-42	SFES 26 1st Draw	10/24/2018 5:05 am	OT.2	ICP	Lead	0.5 ug/L	< 0.5 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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