



CERTIFICATE OF ANALYSIS

Chain of Custody: 611077
Client: Howard County Public School System
Address: 10910 Route 108
Ellicott City, MD 21042
Attention: Jeff Klenk

Job Name: Cradlerock ES
Job Location: 6700 Cradlerock Way, Columbia, MD
21045
Job Number: 13.035
P.O. Number: Not Provided

Date Submitted: 10/26/2018
Date Analyzed: 11/03/2018
Report Date: 11/05/2018
Date Sampled: 10/25/2018 - 10/26/2018
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					
611077-1	CRES 1 1st Draw	10/25/2018 5:10 am	IM	ICP	Lead	0.5 ug/L	< 0.5 ug/L	
611077-2	CRES 4 1st Draw	10/25/2018 6:40 am	DF/C	ICP	Lead	0.5 ug/L	< 0.5 ug/L	
611077-3	CRES 5F 1st Draw	10/25/2018 5:10 am	CC/B	ICP	Lead	0.5 ug/L	< 0.5 ug/L	
611077-4	CRES 6F 1st Draw	10/25/2018 5:10 am	CC/B	ICP	Lead	0.5 ug/L	0.79 ug/L	
611077-5	CRES 7F 1st Draw	10/25/2018 5:10 am	CC/B	ICP	Lead	0.5 ug/L	< 0.5 ug/L	
611077-6	CRES 8 1st Draw	10/25/2018 5:10 am	DF/C	ICP	Lead	0.5 ug/L	< 0.5 ug/L	
611077-7	CRES 9F 1st Draw	10/25/2018 5:10 am	CC/B	ICP	Lead	0.5 ug/L	< 0.5 ug/L	
611077-8	CRES 12F 1st Draw	10/25/2018 5:10 am	CC/B	ICP	Lead	0.5 ug/L	< 0.5 ug/L	
611077-9	CRES 13 1st Draw	10/25/2018 5:10 am	CC/B	ICP	Lead	0.5 ug/L	< 0.5 ug/L	
611077-10	CRES 14F 1st Draw	10/25/2018 5:10 am	CC/B	ICP	Lead	0.5 ug/L	0.72 ug/L	
611077-11	CRES 15F 1st Draw	10/25/2018 5:10 am	CC/B	ICP	Lead	0.5 ug/L	< 0.5 ug/L	
611077-12	CRES 16F 1st Draw	10/25/2018 5:10 am	CC/B	ICP	Lead	0.5 ug/L	< 0.5 ug/L	
611077-13	CRES 17F 1st Draw	10/25/2018 5:10 am	CC/B	ICP	Lead	0.5 ug/L	< 0.5 ug/L	
611077-14	CRES 3 1st Draw	10/26/2018 5:05 am	KS	ICP	Lead	0.5 ug/L	6.8 ug/L	
611077-15	CRES 5S 1st Draw	10/26/2018 5:05 am	CC/S	ICP	Lead	0.5 ug/L	0.59 ug/L	
611077-16	CRES 6S 1st Draw	10/26/2018 5:05 am	CC/S	ICP	Lead	0.5 ug/L	0.81 ug/L	
611077-17	CRES 7S 1st Draw	10/26/2018 5:05 am	CC/S	ICP	Lead	0.5 ug/L	2.3 ug/L	
611077-18	CRES 9S 1st Draw	10/26/2018 5:05 am	CC/S	ICP	Lead	0.5 ug/L	0.97 ug/L	
611077-19	CRES 10 1st Draw	10/26/2018 5:05 am	NO	ICP	Lead	0.5 ug/L	< 0.5 ug/L	
611077-20	CRES 11 1st Draw	10/26/2018 5:05 am	TL	ICP	Lead	0.5 ug/L	1.5 ug/L	



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		Date/Time	Location					
611077-21	CRES 12S 1st Draw	10/26/2018 5:05 am	CC/S	ICP	Lead	0.5 ug/L	< 0.5 ug/L	
611077-22	CRES 14S 1st Draw	10/26/2018 5:05 am	CC/S	ICP	Lead	0.5 ug/L	< 0.5 ug/L	
611077-23	CRES 15S 1st Draw	10/26/2018 5:05 am	CC/S	ICP	Lead	0.5 ug/L	0.66 ug/L	
611077-24	CRES 16S 1st Draw	10/26/2018 5:05 am	CC/S	ICP	Lead	0.5 ug/L	0.62 ug/L	
611077-25	CRES 17S 1st Draw	10/26/2018 5:05 am	CC/S	ICP	Lead	0.5 ug/L	< 0.5 ug/L	
611077-26	CRES 17S 1st Draw	10/26/2018 5:05 am	OT.7	ICP	Lead	0.5 ug/L	11 ug/L	10.8 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, 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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