



CERTIFICATE OF ANALYSIS

Chain of Custody: 610404
Client: Howard County Public School System
Address: 10910 Route 108
Ellicott City, MD 21042
Attention: Jeff Kelnk

Job Name: Talbott Springs ES
Job Location: 9550 Basket Ring Road, Columbia,
MD 21045
Job Number: 13.007
P.O. Number: Not Provided

Date Submitted: 09/26/2018
Date Analyzed: 10/03/2018
Report Date: 10/03/2018
Date Sampled: 09/13/2018 - 09/14/2018
Person Submitting: Jeff Klenk
Revised: 10/04/2018 (Revision #1)

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					
610404-1	TSES 31F 1st Draw	09/13/2018 6:35 am	CC/B	ICP	Lead	0.5 ug/L	16 ug/L	16.4 ug/L.
610404-2	TSES 32F 1st Draw	09/13/2018 6:37 am	CC/B	ICP	Lead	0.5 ug/L	< 0.5 ug/L	
610404-3	TSES 34F 1st Draw	09/13/2018 6:41 am	CC/B	ICP	Lead	0.5 ug/L	2.2 ug/L	
610404-4	TSES 4F 1st Draw	09/13/2018 6:45 am	CC/B	ICP	Lead	0.5 ug/L	6.3 ug/L	
610404-5	TSES 1 1st Draw	09/14/2018 5:35 am	KS	ICP	Lead	0.5 ug/L	15 ug/L	15.4 ug/L.
610404-6	TSES 2 1st Draw	09/14/2018 5:37 am	DF/C	ICP	Lead	0.5 ug/L	< 0.5 ug/L	
610404-7	TSES 3 1st Draw	09/14/2018 5:37 am	DF/C	ICP	Lead	0.5 ug/L	< 0.5 ug/L	
610404-8	TSES 4S 1st Draw	09/14/2018 5:39 am	CC/S	ICP	Lead	0.5 ug/L	3.2 ug/L	
610404-9	TSES 5 1st Draw	09/14/2018 5:41 am	DF/C	ICP	Lead	0.5 ug/L	< 0.5 ug/L	
610404-10	TSES 6 1st Draw	09/14/2018 5:41 am	DF/C	ICP	Lead	0.5 ug/L	< 0.5 ug/L	
610404-11	TSES 7 1st Draw	09/14/2018 5:42 am	CR	ICP	Lead	0.5 ug/L	1 ug/L	
610404-12	TSES 8 1st Draw	09/14/2018 5:43 am	CR	ICP	Lead	0.5 ug/L	1.5 ug/L	
610404-13	TSES 9 1st Draw	09/14/2018 5:44 am	CR	ICP	Lead	0.5 ug/L	9.7 ug/L	
610404-14	TSES 10 1st Draw	09/14/2018 5:45 am	CR	ICP	Lead	0.5 ug/L	5.4 ug/L	
610404-15	TSES 11 1st Draw	09/14/2018 5:46 am	CR	ICP	Lead	0.5 ug/L	8.4 ug/L	
610404-16	TSES 12 1st Draw	09/14/2018 5:47 am	CR	ICP	Lead	0.5 ug/L	< 0.5 ug/L	
610404-17	TSES 13 1st Draw	09/14/2018 5:48 am	CR	ICP	Lead	0.5 ug/L	0.67 ug/L	
610404-18	TSES 14 1st Draw	09/14/2018 5:50 am	DF/C	ICP	Lead	0.5 ug/L	< 0.5 ug/L	
610404-19	TSES 15 1st Draw	09/14/2018 5:52 am	OT.7	ICP	Lead	0.5 ug/L	1.1 ug/L	



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		Date/Time	Location					
610404-20	TSES 16 1st Draw	09/14/2018 5:54 am	CR	ICP	Lead	0.5 ug/L	16 ug/L	16.3 ug/L.
610404-21	TSES 17 1st Draw	09/14/2018 5:56 am	DF/C	ICP	Lead	0.5 ug/L	< 0.5 ug/L	
610404-22	TSES 18 1st Draw	09/14/2018 5:57 am	CR	ICP	Lead	0.5 ug/L	0.69 ug/L	
610404-23	TSES 19 1st Draw	09/14/2018 5:58 am	CR	ICP	Lead	0.5 ug/L	1.1 ug/L	
610404-24	TSES 20 1st Draw	09/14/2018 5:59 am	CR	ICP	Lead	0.5 ug/L	6.7 ug/L	
610404-25	TSES 23 1st Draw	09/14/2018 6:01 am	CR	ICP	Lead	0.5 ug/L	0.54 ug/L	
610404-26	TSES 24 1st Draw	09/14/2018 6:02 am	CR	ICP	Lead	0.5 ug/L	0.9 ug/L	
610404-27	TSES 25 1st Draw	09/14/2018 6:04 am	TL	ICP	Lead	0.5 ug/L	0.69 ug/L	
610404-28	TSES 26 1st Draw	09/14/2018 6:06 am	OT.4	ICP	Lead	0.5 ug/L	< 0.5 ug/L	
610404-29	TSES 27 1st Draw	09/14/2018 6:07 am	OT.2	ICP	Lead	0.5 ug/L	22 ug/L	21.7 ug/L. This sample has an elevated level of lead (above 20.5 ppb).
610404-30	TSES 28 1st Draw	09/14/2018 6:08 am	OT.2	ICP	Lead	0.5 ug/L	37 ug/L	37.2 ug/L. This sample has an elevated level of lead (above 20.5 ppb).
610404-31	TSES 29 1st Draw	09/14/2018 6:09 am	NO	ICP	Lead	0.5 ug/L	5.3 ug/L	
610404-32	TSES 30 1st Draw	09/14/2018 6:09 am	NO	ICP	Lead	0.5 ug/L	< 0.5 ug/L	
610404-33	TSES 31S 1st Draw	09/14/2018 6:10 am	CC/S	ICP	Lead	0.5 ug/L	13 ug/L	12.8 ug/L.
610404-34	TSES 32S 1st Draw	09/14/2018 6:10 am	CC/S	ICP	Lead	0.5 ug/L	1.1 ug/L	
610404-35	TSES 33S 1st Draw	09/14/2018 6:11 am	CC/S	ICP	Lead	0.5 ug/L	37 ug/L	37.0 ug/L. This sample has an elevated level of lead (above 20.5 ppb).
610404-36	PB216 3 1st Draw	09/14/2018 6:12 am	DF/C	ICP	Lead	0.5 ug/L	< 0.5 ug/L	



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		Date/Time	Location					
610404-37	PB216 4 1st Draw	09/14/2018 6:13 am	DF/C	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)

Sample Collector: Jeff Klenk
Certification:

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

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

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

Technical Director G. Edward Carney

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