

April 11, 2016

ATC Associates
46555 Humboldt Dr.
Suite 100
Novi, MI 48377

Subject: Cooke Elementary School
188BS16170

Dear Mr. Smith :

Thank you for making Brighton Analytical, L.L.C. your laboratory of choice. Attached are the results for the samples submitted on 04/04/2016 for the above mentioned project. NELAP/TNI Accredited Analysis and MDEQ Drinking Water Certified Analysis will be identified in their respective reporting formats. Hard copies can be supplied at your request for a fee of \$20.00 per copy.

The invoice for this project will be emailed separately. If you have any questions concerning the data or invoice, please don't hesitate to contact our office. We welcome your comments and suggestions to improve our quality systems. Please reference Brighton Analytical, L.L.C. Project ID 38358 when calling or emailing. We thank you for this opportunity to partner with you on this project and hope to work with you again in the future.

Sincerely,
Brighton Analytical, L.L.C.





Brighton Analytical LLC
2105 Pless Drive
Brighton, Michigan 48114
Phone: (810)229-7575 (810)229-8650
e-mail: bai-brighton@sbcglobal.net
MDNRE Certified #9404
NELAC Accredited #176507

Sample Date/Time: 4/1/2016 11:20
Submit Date/Time: 4/4/2016 12:32
Report Date: 4/11/2016

ATC Associates
46555 Humboldt Dr.
Suite 100
Novi, MI 48377

BA Project # **38358**
BA Sample ID **CC09095**

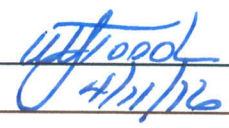
Project Name: **Cooke Elementary School**
Project Number: **188BS16170**
Sample ID: **1-K-P-Cooke-Kitchen**

Analyte Name	Result	Units	RL	MCL	Method Reference	Analysis Time	Analysis Date
Drinking Water Metal Analysis							
Total Copper (Drinking Water)	Not detected	ug/L	20	1300	EPA 200.8 rev5.4	18:45	04/08/2016
Total Lead (Drinking Water)	2	ug/L	1	15	EPA 200.8 rev5.4	18:45	04/08/2016

RL=Reported detection limit for analytical method requested. Some compounds require special analytical methods to achieve MDNR designated target detection limits (TDL).

MCL = Maximum contaminant Levels.

Analysis not specifically identified as drinking water are for non-regulatory compliance purposes.

Released by 
Date 4/11/16



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Sample Date/Time: 4/1/2016 11:23
Submit Date/Time: 4/4/2016 12:32
Report Date: 4/11/2016

ATC Associates
46555 Humboldt Dr.
Suite 100
Novi, MI 48377

BA Project # **38358**
BA Sample ID **CC09097**

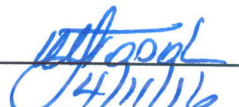
Project Name: **Cooke Elementary School**
Project Number: **188BS16170**
Sample ID: **2-PreK-P-Cooke PreK #109**

Analyte Name	Result	Units	RL	MCL	Method Reference	Analysis Time	Analysis Date
Drinking Water Metal Analysis							
Total Copper (Drinking Water)	20	ug/L	20	1300	EPA 200.8 rev5.4	19:17	04/08/2016
Total Lead (Drinking Water)	8	ug/L	1	15	EPA 200.8 rev5.4	19:17	04/08/2016

RL=Reported detection limit for analytical method requested. Some compounds require special analytical methods to achieve MDNR designated target detection limits (TDL).

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Released by 
Date 4/11/16



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Sample Date/Time: 4/1/2016 11:24
Submit Date/Time: 4/4/2016 12:32
Report Date: 4/11/2016

ATC Associates
46555 Humboldt Dr.
Suite 100
Novi, MI 48377

BA Project # **38358**
BA Sample ID **CC09099**

Project Name: **Cooke Elementary School**
Project Number: **188BS16170**
Sample ID: **3-DWF-P-Cooke Hall by Gym**

Analyte Name	Result	Units	RL	MCL	Method Reference	Analysis Time	Analysis Date
Drinking Water Metal Analysis							
Total Copper (Drinking Water)	30	ug/L	20	1300	EPA 200.8 rev5.4	19:22	04/08/2016
Total Lead (Drinking Water)	6	ug/L	1	15	EPA 200.8 rev5.4	19:22	04/08/2016

RL=Reported detection limit for analytical method requested. Some compounds require special analytical methods to achieve MDNR designated target detection limits (TDL).

MCL = Maximum contaminant Levels.

Analysis not specifically identified as drinking water are for non-regulatory compliance purposes.

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BRIGHTON ANALYTICAL, LLC

QUALITY ASSURANCE/QUALITY
CONTROL

ICP-MS

EPA METHOD 200.8/6020

REPRESENTATIVE BATCH PRECISION AND ACCURACY QUALITY CONTROL SUMMARY

Analysis Date: 4/8/2016 Standard ID: 033116 H2O Batch: 4/6/2016 W3
 Matrix Spike Lab ID: CC09095 Matrix: Total Analyst: LT

Metals	Matrix Spike - Precision *			Matrix Spike - Accuracy**				Miscellaneous***		
	Matrix Spike (ug/L)	Matrix Spike Dup (ug/L)	RPD (%)	Spk Conc (ug/L)	MS Recovery (%)	MSD Recovery (%)	Sample Conc (ug/L)	Method Blk (ug/L)	LCS-Method STD (%)	Ind. Std. SPEX 1&3 (%)
Magnesium	16014	15781	1.5	10000	90.9	88.6	6922	<100	92.2	90.1
Calcium	34432	34111	0.9	10000	92.8	89.6	25151	<100	95.3	93.4
Copper	951	938	1.4	1000	93.7	92.4	14	<1	96.4	96.0
Lead	906	897	1.0	1000	90.4	89.5	2	<1	92.3	91.1

* Matrix spike precision range +/- 20% RPD

** Matrix spike accuracy range +/- 30% recovery

*** LCS accuracy range +/- 15% recovery / Ind std accuracy range +/- 10% recovery

Comments: _____