



2105 Pless Drive · Brighton, Michigan 48114 · Phone (810) 229-7575 · Fax (810) 229-8650 · E-mail bai-brighton@sbcglobal.net

April 12, 2016

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

Subject: Carver Academy  
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 38354 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, L.L.C.**  
 2105 Pless Drive  
 Brighton, MI 48114  
 Phone: 810-229-7575  
 Fax: 810-229-8650

Email: ba@brighton@shcglobal.net

BA PROJECT #:  
 383554

Analysis Requested/Method

PAGE 1 OF 1  
 COMPANY/MAILING ADDRESS:

ABBREVIATIONS FOR MATRIX  
 S = Solid  
 L = Liquid  
 DW = Drinking H<sub>2</sub>O  
 O = Oil  
 P = Wipe  
 A = Air (Teater Bag)  
 F = Filter  
 T = Tube  
 M = Misc.

ATTN: Robert Smith  
 PHONE: (248) 669-5142  
 FAX OR EMAIL: Robert.Smith@brighton.com

PROJECT NAME: Carver Academy  
 PROJECT #: 18873516170  
 PO #: PLEASE NOTE IF DIFFERENT BILLING ADDRESS)

Sample Matrix  
 LEAD - Primary (P)  
 Copper - Primary (P)  
 LEAD - FLUSH (F) - Hold  
 Copper - FLUSH (F) - Hold

Sample collected by: David L. Smith

REQUESTED TURNAROUND: (circle one)  
 Rush: 1-3 business days (verify with lab & specify date needed)  
 1 Day = 2.5X Cost 2 Day = 2X Cost 3 Day = 1.5X Cost  
 Standard: 5 business days

Container Type & Quantity  
 VOA'S (PRES) Y N N/A  
 HDPE UNPRESERVED  
 HDPE HNO<sub>3</sub>  
 HDPE H<sub>2</sub>SO<sub>4</sub>  
 HDPE NAOH  
 AMBER PRESERVED?  
 GLASS, NO PRESERVATIVE  
 STERILIZED BACTERIA  
 MEOH Preserved Y N

Brighton ID # Sample Description

If RUSH, approved by: \_\_\_\_\_  
 Sample Coll. Date Time

Temperature of samples °C: \_\_\_\_\_  
 pH's verified in login? yes  no   
 Headspace/bubbles in VOA's? yes  no  n/a   
 Sample containers and COC match? yes  no

Brighton ID #	Sample Description	Date	Time	VOA'S (PRES) Y N N/A	HDPE UNPRESERVED	HDPE HNO <sub>3</sub>	HDPE H <sub>2</sub> SO <sub>4</sub>	HDPE NAOH	AMBER PRESERVED?	GLASS, NO PRESERVATIVE	STERILIZED BACTERIA	MEOH Preserved Y N
1)	1-Duff-P-darver by legn	4/11	12:50				X					
2)	1-Duff-P-Carver by legn	4/11	12:51				X					
3)	2-Duff-P-Carver #116	4/11	12:57				X					
4)	2-Duff-P-Carver #116	4/11	12:58				X					
5)	3-K-P-Carver Kitchen	4/11	13:02				X					
6)	3-K-P-Carver Kitchen	4/11	13:04				X					
7)												
8)												
9)												
10)												

Special Instructions: Lead or Copper is above detection limits - Analyze Full Sample

Please fill out the Chain of Custody completely and review. Incorrect or incomplete information will result in a "hold" on all analyses.

Trans. #	RELINQUISHED BY:	RECEIVED BY:	DATE:	TIME:	Trans. #	RELINQUISHED BY:	RECEIVED BY:	DATE:	TIME:
1	David Smith	Sheryl	4-11-10	12:32pm	4				
2									

Drinking H<sub>2</sub>O:

Fax to LCHD? yes  no   
 Chlorinated Water Supply? yes  no   
 AMT: SA

MCL Failure: yes  no   
 Client Notified (date/time/initials): \_\_\_\_\_



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 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 12:50  
 Submit Date/Time: 4/4/2016 12:32  
 Report Date: 4/12/2016

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

BA Project # **38354**  
 BA Sample ID **CC09071**

Project Name: **Carver Academy**  
 Project Number: **188BS16170**  
 Sample ID: **1-DWF-P-Carver by Gym**

Analyte Name	Result	Units	RL	MCL	Method Reference	Analysis Time	Analysis Date
<b>Drinking Water Metal Analysis</b>							
Total Copper (Drinking Water)	30	ug/L	20	1300	EPA 200.8 rev5.4	16:52	04/08/2016
Total Lead (Drinking Water)	3	ug/L	1	15	EPA 200.8 rev5.4	16:52	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 4/12/16



**Brighton Analytical LLC**  
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 MDNRE Certified #9404  
 NELAC Accredited #176507

Sample Date/Time: 4/1/2016 12:57  
 Submit Date/Time: 4/4/2016 12:32  
 Report Date: 4/12/2016

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

BA Project # **38354**  
 BA Sample ID **CC09073**

Project Name: **Carver Academy**  
 Project Number: **188BS16170**  
 Sample ID: **2-DWF-P-Carver-#116**

Analyte Name	Result	Units	RL	MCL	Method Reference	Analysis Time	Analysis Date
<b>Drinking Water Metal Analysis</b>							
Total Copper (Drinking Water)	260	ug/L	20	1300	EPA 200.8 rev5.4	17:10	04/08/2016
Total Lead (Drinking Water)	83	ug/L	1	15	EPA 200.8 rev5.4	17:10	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 4/12/16



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 MDNRE Certified #9404  
 NELAC Accredited #176507

Sample Date/Time: 4/1/2016 13:02  
 Submit Date/Time: 4/4/2016 12:32  
 Report Date: 4/12/2016

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

BA Project # **38354**  
 BA Sample ID **CC09075**

Project Name: **Carver Academy**  
 Project Number: **188BS16170**  
 Sample ID: **3-K-P-Carver Kitchen**

Analyte Name	Result	Units	RL	MCL	Method Reference	Analysis Time	Analysis Date
<b>Drinking Water Metal Analysis</b>							
Total Copper (Drinking Water)	100	ug/L	20	1300	EPA 200.8 rev5.4	17:15	04/08/2016
Total Lead (Drinking Water)	Not detected	ug/L	1	15	EPA 200.8 rev5.4	17:15	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 4/12/16



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 W2

Matrix Spike Lab ID: CC09063

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 (%)
Copper	942	935	0.7	1000	93.4	92.7	8	<1	97.6	96.0
Arsenic	941	932	1.0	1000	94.0	93.1	1	<1	95.0	92.4
Lead	907	931	2.6	1000	90.7	93.1	0	<1	94.3	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: \_\_\_\_\_