

March 31, 2016

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

Subject: Priest Elementary - Middle 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 03/29/2016 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 38210 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.™**  
 Email: ba@brighton-analytical.net  
 2105 Pless Drive  
 Brighton, MI 48114  
 Phone: 810-229-7575  
 Fax: 810-229-8650

BA PROJECT #:  
**38210**

Analysis Requested/Method

PAGE 1 OF 1  
 COMPANY MAILING ADDRESS:

PROJECT NAME: **Priest Elementary - Middle School**

PROJECT #: **1883516170**

PO #: (PLEASE NOTE IF DIFFERENT BILLING ADDRESS)

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

Sample collected by: **D. Winter**

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

IF RUSH, approved by:

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
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Sample Matrix

LEAD - Primary (P)	COPPER - Primary (P)	LEAD - FLUSH (F) - Hold	COPPER - FLUSH (F) - Hold
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ATC Group Services  
 46555 Humboldt Dr. Ste 100  
 Novi, MI 48377  
 ATTN: Robert Smith  
 PHONE: 248-669-5140  
 FAX OR EMAIL: rsmith@atcassessments.com  
 Samples received within hold time? yes  no   
 Temperature of samples °C: **4**  
 pHs verified in login? yes  no   
 Headspace/bubbles in VOA's? yes  no  n/a   
 Sample containers and COC match? yes  no

BILLING ADDRESS (IF REQUIRED):

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)	DW-F-P-Priest - Hall 1 <sup>st</sup> Floor	3/28	12:58	X								
2)	DW-F-P-Priest - Hall 1 <sup>st</sup> Floor	3/28	13:00	X								
3)	DW-F-P-Priest - Kitchen	3/28	13:01	X								
4)	DW-F-P-Priest - Kitchen	3/28	13:03	X								
5)	DW-F-P-Priest Hall 2 <sup>nd</sup> Fl	3/28	13:06	X								
6)	DW-F-F-Priest Hall 2 <sup>nd</sup> Fl	3/28	13:09	X								
7)												
8)												
9)												
10)												

Special Instructions: **IS Lead or Copper is above Detection Limits Analyze Flush 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	<i>[Signature]</i>	<i>[Signature]</i>	3/29/16	09:30	3		<i>[Signature]</i>	3/29/16	11:00
2	<i>[Signature]</i>	<i>[Signature]</i>			4		<i>[Signature]</i>		

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

Fax to LCHD? yes  no   
 Chlorinated Water Supply? yes  no   
 AMT: *[Signature]*

MCL Failure: yes  no

Client Notified (date/time/initials):



**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: 3/28/2016 12:58  
 Submit Date/Time: 3/29/2016 11:00  
 Report Date: 3/31/2016

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

BA Project # **38210**  
 BA Sample ID **CC08347**

Project Name: **Priest Elementary - Middle School**  
 Project Number: **188BS16170**  
 Sample ID: **1-DWF-P-Priest-Hall 1st Floor**

Analyte Name	Result	Units	RL	MCL	Method Reference	Analysis Time	Analysis Date
<b>Drinking Water Metal Analysis</b>							
Total Copper (Drinking Water)	290	ug/L	20	1300	EPA 200.8 rev5.4	19:06	03/30/2016
Total Lead (Drinking Water)	Not detected	ug/L	1	15	EPA 200.8 rev5.4	19:06	03/30/2016

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 3/31/16



**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: 3/28/2016 13:01  
Submit Date/Time: 3/29/2016 11:00  
Report Date: 3/31/2016

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

BA Project # **38210**  
BA Sample ID **CC08349**

Project Name: **Priest Elementary - Middle School**  
Project Number: **188BS16170**  
Sample ID: **2-K-P-Priest-Kitchen**

Analyte Name	Result	Units	RL	MCL	Method Reference	Analysis Time	Analysis Date
<b>Drinking Water Metal Analysis</b>							
Total Copper (Drinking Water)	430	ug/L	20	1300	EPA 200.8 rev5.4	19:25	03/30/2016
Total Lead (Drinking Water)	Not detected	ug/L	1	15	EPA 200.8 rev5.4	19:25	03/30/2016

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 3/31/16



**Brighton Analytical LLC**  
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 e-mail: bai-brighton@sbcglobal.net  
 MDNRE Certified #9404  
 NELAC Accredited #176507

Sample Date/Time: 3/28/2016 13:06  
 Submit Date/Time: 3/29/2016 11:00  
 Report Date: 3/31/2016

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

BA Project # **38210**  
 BA Sample ID **CC08351**

Project Name: **Priest Elementary - Middle School**  
 Project Number: **188BS16170**  
 Sample ID: **3-DWF-P-Priest Hall 2nd Fl**

Analyte Name	Result	Units	RL	MCL	Method Reference	Analysis Time	Analysis Date
<b>Drinking Water Metal Analysis</b>							
Total Copper (Drinking Water)	140	ug/L	20	1300	EPA 200.8 rev5.4	19:29	03/30/2016
Total Lead (Drinking Water)	Not detected	ug/L	1	15	EPA 200.8 rev5.4	19:29	03/30/2016

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 3/31/16



BRIGHTON ANALYTICAL, LLC

QUALITY ASSURANCE/QUALITY  
CONTROL

# ICP-MS

## EPA METHOD 200.8/6020

### REPRESENTATIVE BATCH PRECISION AND ACCURACY QUALITY CONTROL SUMMARY

Analysis Date: 3/30/2016 Standard ID: 021616 H2O Batch: 3/30/2016 W2  
 Matrix Spike Lab ID: CC08353 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 Bk (ug/L)	LCS-Method STD (%)	Ind. Std. SPEX 1&3 (%)
Copper	1682	1667	0.9	1000	103.9	102.4	643	<1	109.8	104.9
Arsenic	1009	1005	0.4	1000	100.9	100.5	0	<1	106.3	100.7
Lead	1117	1012	9.9	1000	111.6	101.1	1	<1	100.9	97.6

\* Matrix spike precision range +/- 20% RPD

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

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

Comments: \_\_\_\_\_