

May 02, 2016

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

Subject: Gardner Elem School - 6528 Mansfield  
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 04/25/2016 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 38706 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 #:  
**38706**

Analysis Requested/Method

PAGE 1 OF 1  
COMPANY/MAILING ADDRESS:

PROJECT NAME: **Gardner Elemen School**  
PROJECT #: **188BS16170**

ABBREVIATIONS FOR MATRIX  
S = Solid  
L = Liquid  
O = Oil  
P = Wipe  
A = Air (Tether Bag)  
F = Filter  
T = Tube  
M = Misc.

PO #: (PLEASE NOTE IF DIFFERENT BILLING ADDRESS)

Sample collected by: **Andrew Bauer**

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: \_\_\_\_\_  
Sample Coll. \_\_\_\_\_

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

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

Brighton ID #

Sample Description

Date

Time

BILLING ADDRESS (IF REQUIRED):

1) 1-F-P-6DR-7EK

4/22/05

1190

1191

Same as marketplace

2) 1-F-F-6DR-7EK

4/22/05

1192

1193

1194

3) 2-DU-F-P-6DR-HALLE (CASH)

4/22/05

1195

1196

1197

4) 2-DU-F-F-6DR-HALLE (CASH)

4/22/05

1198

1199

1200

5) 3-F-P-6DR-HALLE (CASH)

4/22/05

1201

1202

1203

6) 3-F-F-6DR-HALLE (CASH)

4/22/05

1204

1205

1206

7) 1-F-F-6DR-HALLE (CASH)

4/22/05

1207

1208

1209

8) 1-F-F-6DR-HALLE (CASH)

4/22/05

1210

1211

1212

Special Instructions: **IF LEAD OR COPPER IS ABOVE DETECTION LIMITS - PRIMARY FLUSH SAMPLES**

Client Notified (date/time/initials):

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

RELINQUISHED BY:

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DATE:

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Trans. #

RELINQUISHED BY:

RECEIVED BY:

DATE:

TIME:



**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: 4/22/2016 05:49  
Submit Date/Time: 4/25/2016 13:30  
Report Date: 5/2/2016

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

BA Project # **38706**  
BA Sample ID **CD01190**

Project Name: **Gardner Elem School - 6528 Mansfield**  
Project Number: **188BS16170**  
Sample ID: **1-F-P-GDR Pre K**

Analyte Name	Result	Units	RL	MCL	Method Reference	Analysis Time	Analysis Date
<b>Drinking Water Metal Analysis</b>							
Total Copper (Drinking Water)	190	ug/L	20	1300	EPA 200.8 rev5.4	02:58	04/28/2016
Total Lead (Drinking Water)	1	ug/L	1	15	EPA 200.8 rev5.4	02:58	04/28/2016

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

  
5/2/16



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

Sample Date/Time: 4/22/2016 05:52  
Submit Date/Time: 4/25/2016 13:30  
Report Date: 5/2/2016

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

BA Project # **38706**  
BA Sample ID **CD01192**

Project Name: **Gardner Elem School - 6528 Mansfield**  
Project Number: **188BS16170**  
Sample ID: **2-DWF-P-GDR-Hall @ Gym**

Analyte Name	Result	Units	RL	MCL	Method Reference	Analysis Time	Analysis Date
<b>Drinking Water Metal Analysis</b>							
Total Copper (Drinking Water)	Not detected	ug/L	20	1300	EPA 200.8 rev5.4	03:02	04/28/2016
Total Lead (Drinking Water)	Not detected	ug/L	1	15	EPA 200.8 rev5.4	03:02	04/28/2016

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

  
5/2/16





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MDNRE Certified #9404  
NELAC Accredited #176507

Sample Date/Time: 4/22/2016 05:55  
Submit Date/Time: 4/25/2016 13:30  
Report Date: 5/2/2016

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

BA Project # **38706**  
BA Sample ID **CD01194**

Project Name: **Gardner Elem School - 6528 Mansfield**  
Project Number: **188BS16170**  
Sample ID: **3-F-P-GDR-Kitchen**

Analyte Name	Result	Units	RL	MCL	Method Reference	Analysis Time	Analysis Date
<b>Drinking Water Metal Analysis</b>							
Total Copper (Drinking Water)	280	ug/L	20	1300	EPA 200.8 rev5.4	03:07	04/28/2016
Total Lead (Drinking Water)	Not detected	ug/L	1	15	EPA 200.8 rev5.4	03:07	04/28/2016


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

  
5/2/16



BRIGHTON ANALYTICAL, LLC

QUALITY ASSURANCE/QUALITY  
CONTROL

# ICP-MS

## METHOD 6020

### REPRESENTATIVE BATCH PRECISION AND ACCURACY QUALITY CONTROL SUMMARY

Analysis Date: 4/28/2016      Standard ID: 042216 H2O      Batch: 4/27/2016 W1

Matrix Spike Lab ID: CD01186      Matrix: Total      Analyst: LT

Metals	Matrix Spike - Precision *			Matrix Spike - Accuracy**				Miscellaneous***		
	Matrix Spike (ug/kg)	Matrix Spike Dup (ug/kg)	RPD (%)	Spk Conc (ug/kg)	MS Recovery (%)	MSD Recovery (%)	Sample Conc (ug/kg)	Method Blk (ug/kg)	LCS-Method STD (%)	Ind. Std. (%)
Copper	1645	1655	0.6	1000	107.6	108.6	569	<20	102.0	103.9
Lead	1056	1046	1.0	1000	99.4	98.4	62	<1	97.6	96.5

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

\*\* Matrix spike accuracy range +/- 20% recovery

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

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