

March 31, 2016

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

Subject: Munger 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 38209 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: bat.brighton@sbcglobal.net
2105 Pless Drive
Brighton, MI 48114
Phone: 810-229-7575
Fax: 810-229-8650

BA PROJECT #:
38209

Analysis Requested/Method

PAGE 1 OF 1
COMPANY/MAILING ADDRESS:

ABBREVIATIONS
FOR MATRIX
S = Solid
L = Liquid
DW = Drinking H₂O
O = Oil
P = Wipe
A = Air (Tetlar Bag)
F = Filter
T = Tube
M = Misc.

ATC Group Services, LLC
46555 Humboldt Dr. Ste 100
Novi, MI 48347
ATTN: Robert Smith
PHONE: 248-669-5140
FAX OR EMAIL: Robert.Smith@ATCAssociates.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 ☐

Container Type & Quantity

Sample Matrix

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

VOA'S (PRES) Y N N/A
HDPE UNPRESERVED
HDPE HNO₃
HDPE H₂SO₄
HDPE NAOH
AMBER PRESERVED?
GLASS, NO PRESERVATIVE
STERILIZED BACTERIA
MEOH Preserved Y N

Brighton ID # Sample Description Date Time

BILLING ADDRESS (IF REQUIRED):

1) 1-DW-F-P-mix - Hall by office 3/28/13 27

same as mailing

2) 1-DW-F-P-mix - Hall by office 3/28/13 28

42

3) 2-DW-F-P-mix - Hall by office 3/28/13 31

43

4) 2-DW-F-P-mix - Hall by office 3/28/13 33

44

5) 3-15-P-mix - Kitchen 3/28/13 38

45

6) 3-15-F-mix - Kitchen 3/28/13 40

46

7) 3-15-F-mix - Kitchen 3/28/13 40

47

8) 3-15-F-mix - Kitchen 3/28/13 40

48

9) 3-15-F-mix - Kitchen 3/28/13 40

49

10) 3-15-F-mix - Kitchen 3/28/13 40

50

Special Instructions: **if lead or copper is above detection limits analyze flush samples**

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>David White</i>	<i>[Signature]</i>	3/28/13	11:34	3	<i>[Signature]</i>	<i>[Signature]</i>	3/28/13	11:00
2					4				



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 13:27
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 # **38209**
BA Sample ID **CC08341**

Project Name: **Munger Elementary - Middle School**
Project Number: **188BS16170**
Sample ID: **1-DWF-P-MUNG-Hall by Office**

Analyte Name	Result	Units	RL	MCL	Method Reference	Analysis Time	Analysis Date
--------------	--------	-------	----	-----	------------------	---------------	---------------

Drinking Water Metal Analysis

Total Copper (Drinking Water)	160	ug/L	20	1300	EPA 200.8 rev5.4	18:53	03/30/2016
Total Lead (Drinking Water)	Not detected	ug/L	1	15	EPA 200.8 rev5.4	18:53	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 13:31
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 # **38209**
BA Sample ID **CC08343**

Project Name: **Munger Elementary - Middle School**
Project Number: **188BS16170**
Sample ID: **2-DWF-P-MUNG-Hall by Pre K**

Analyte Name	Result	Units	RL	MCL	Method Reference	Analysis Time	Analysis Date
Drinking Water Metal Analysis							
Total Copper (Drinking Water)	110	ug/L	20	1300	EPA 200.8 rev5.4	18:57	03/30/2016
Total Lead (Drinking Water)	Not detected	ug/L	1	15	EPA 200.8 rev5.4	18:57	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 13:38
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 # **38209**
BA Sample ID **CC08345**

Project Name: **Munger Elementary - Middle School**
Project Number: **188BS16170**
Sample ID: **3-K-P-MUNG-Kitchen**

Analyte Name	Result	Units	RL	MCL	Method Reference	Analysis Time	Analysis Date
--------------	--------	-------	----	-----	------------------	---------------	---------------

Drinking Water Metal Analysis

Total Copper (Drinking Water)	370	ug/L	20	1300	EPA 200.8 rev5.4	19:02	03/30/2016
Total Lead (Drinking Water)	3	ug/L	1	15	EPA 200.8 rev5.4	19:02	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

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 Blk (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: _____