

May 04, 2016

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

Subject: Harms Elem School - 2400 Central
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 38700 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: bai@brighton@shgglobal.net

2105 Pless Drive
Brighton, MI 48114

Phone: 810-229-7575
Fax: 810-229-8650

BA PROJECT #:
38700

ABBREVIATIONS
FOR MATRIX

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

Analysis Requested/Method

PAGE 1 OF 1

COMPANY/MAILING ADDRESS:

ATC Group Services, LLC
4555 Humboldt Dr. Ste 100
Novi, MI 48377

ATTN: Robert Smith
PHONE: (248) 669-5740

OR EMAIL: Robert.Smith@atcgroup.com
Samples received within hold time? yes no

Temperature of samples °C:

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):

Some raw materials

Drinking H₂O:

Fax to LCHD? yes no

Chlorinated Water Supply? yes no

MCL Failure: yes no

Client Notified (date/time/initials):

PROJECT NAME:

Horns Eken School
2400 Central

PROJECT #:

188BS1470

PO #: (PLEASE NOTE IF DIFFERENT BILLING ADDRESS)

Sample collected by:

MIZEL HANSEN

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 HNO₃
HDPE H₂SO₄
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	VOA'S (PRES)	Y	N	N/A	HDPE UNPRESERVED	HDPE HNO ₃	HDPE H ₂ SO ₄	HDPE NAOH	AMBER PRESERVED?	GLASS, NO PRESERVATIVE	STERILIZED BACTERIA	MEOH Preserved	Y	N
1)	D-E-P-Horns S - Hall - Smt	4/21	0555		X			X									
2)	D-E-F-Horns S - Horn Smt	4/21	0555		X			X									
3)	2-S-P-Horns S - Trepas Lake	4/21	0600		X			X									
4)	2-S-F-Horns S - Trepas Lake	4/21	0608		X			X									
5)	3-D-E-P-Horns S - Hall @ 203	4/21	0605		X			X									
6)	3-D-E-F-Horns S - Hall @ 203	4/21	0607		X			X									
7)																	
8)																	
9)																	
10)																	

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>[Signature]</i>	<i>[Signature]</i>	4/25/16	12:00	3				
2	<i>[Signature]</i>	<i>[Signature]</i>	4/25/16	1:30	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: 4/21/2016 05:55
 Submit Date/Time: 4/25/2016 13:30
 Report Date: 5/4/2016

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

BA Project # **38700**
 BA Sample ID **CD01154**

Project Name: **Harms Elem School - 2400 Central**
 Project Number: **188BS16170**
 Sample ID: **1-DF-P-Harms-Bsmt Hall - South**

Analyte Name	Result	Units	RL	MCL	Method Reference	Analysis Time	Analysis Date
Drinking Water Metal Analysis							
Total Copper (Drinking Water)	180	ug/L	20	1300	EPA 200.8 rev5.4	12:06	05/02/2016
Total Lead (Drinking Water)	2	ug/L	1	15	EPA 200.8 rev5.4	12:06	05/02/2016

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 5/4/16



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 Brighton, Michigan 48114
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Sample Date/Time: 4/21/2016 06:00
 Submit Date/Time: 4/25/2016 13:30
 Report Date: 5/4/2016

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

BA Project # **38700**
 BA Sample ID **CD01156**

Project Name: **Harms Elem School - 2400 Central**
 Project Number: **188BS16170**
 Sample ID: **2-S-P-Harms-Teachers Lounge**

Analyte Name	Result	Units	RL	MCL	Method Reference	Analysis Time	Analysis Date
Drinking Water Metal Analysis							
Total Copper (Drinking Water)	60	ug/L	20	1300	EPA 200.8 rev5.4	12:24	05/02/2016
Total Lead (Drinking Water)	Not detected	ug/L	1	15	EPA 200.8 rev5.4	12:24	05/02/2016

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 5/4/16



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Sample Date/Time: 4/21/2016 06:05
 Submit Date/Time: 4/25/2016 13:30
 Report Date: 5/4/2016

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

BA Project # **38700**
 BA Sample ID **CD01158**

Project Name: **Harms Elem School - 2400 Central**
 Project Number: **188BS16170**
 Sample ID: **3-DF-P-Harms-Hall @ 203**

Analyte Name	Result	Units	RL	MCL	Method Reference	Analysis Time	Analysis Date
Drinking Water Metal Analysis							
Total Copper (Drinking Water)	190	ug/L	20	1300	EPA 200.8 rev5.4	12:29	05/02/2016
Total Lead (Drinking Water)	1	ug/L	1	15	EPA 200.8 rev5.4	12:29	05/02/2016

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 5/4/16



BRIGHTON ANALYTICAL, LLC

QUALITY ASSURANCE/QUALITY
CONTROL

ICP-MS METHOD 6020

REPRESENTATIVE BATCH PRECISION AND ACCURACY QUALITY CONTROL SUMMARY

Analysis Date: 5/2/2016

Standard ID: 042216 H2O

Batch: 4/27/2016 W12

Matrix Spike Lab ID: CD01166

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	974	977	0.3	1000	96.9	97.2	5	<20	98.1	102.4
Lead	958	936	2.3	1000	95.4	93.2	4	<1	94.2	94.2

* Matrix spike precision range +/- 20% RPD

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

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

Comments: _____