

April 05, 2016

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

Subject: AL Holmes
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 03/31/2016 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 38266 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.

BA		Brighton Analytical, L.L.C.™ Email: bai-brighton@abcglobal.net		2105 Pless Drive Brighton, MI 48114		Phone: 810-229-7575 Fax: 810-229-8650	
PROJECT NAME: AL HOLMES							
PROJECT #: 1808516170							
PO #: (PLEASE NOTE IF DIFFERENT BILLING ADDRESS)							
Sample collected by: KEVIN KLAIS		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: _____			
Brighton ID #	Sample Description	Sample Coll.	Date	Time			
1) 1-DWF-F-ALH - HALL 131	3/30	0852					
2) 1-DWF-F-ALH - HALL 131	3/30	0853					
3) 2-KS-F-ALH - KITCHEN	3/30	0858					
4) 2-KS-F-ALH - KITCHEN	3/30	0859					
5) 3-KS-F-ALH - TEACH. LOUNGE	3/30	0900					
6) 3-KS-F-ALH - TEACHER LOUNGE	3/30	0908					
7)							
8)							
9)							
10)							

BA PROJECT #: 38266

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

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

Analysis Requested/Method

Sample Matrix
COPPER-PRIMARY (P)
LEAD-PRIMARY (P)
COPPER-FLUSH (F) HOLD
LEAD-FLUSH (F) HOLD

COMPANY/MAILING ADDRESS:

ATC GROUP SERVICES
46555 HUMBOLDT DR #160
NOVI, MI, 48377
ATTN: ROBERT SMITH
PHONE: 248-669-5740
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 ☐
BILLING ADDRESS (IF REQUIRED):
SAMEAS MAILING
Drinking H₂O:
Fax to LCHD? yes ☐ no ☒
Chlorinated Water Supply? yes ☒ no ☐
AMT: ☒
MCL Failure: yes ☐ no ☒
Client Notified (date/time/initials):

Special Instructions: 1 F COPPER OR LEAD EXCEED DETECTION LIMIT - 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>K. O'Brien</i>	<i>[Signature]</i>	3/30	0910	3				
2	<i>[Signature]</i>	<i>W. O'Brien</i>	3/31/12	1110	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: 3/30/2016 08:52
Submit Date/Time: 3/31/2016 11:00
Report Date: 4/5/2016

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

BA Project # **38266**
BA Sample ID **CC08558**

Project Name: **AL Holmes**
Project Number: **188BS16170**
Sample ID: **1-DWF-P-ALH-Hall 131**

Analyte Name	Result	Units	RL	MCL	Method Reference	Analysis Time	Analysis Date
Drinking Water Metal Analysis							
Total Copper (Drinking Water)	Not detected	ug/L	20	1300	EPA 200.8 rev5.4	22:23	04/01/2016
Total Lead (Drinking Water)	9	ug/L	1	15	EPA 200.8 rev5.4	22:23	04/01/2016

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 C. Seel
Date 4-5-16



Brighton Analytical LLC
2105 Pless Drive
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Phone: (810)229-7575 (810)229-8650
e-mail: bai-brighton@sbcglobal.net
MDNRE Certified #9404
NELAC Accredited #176507

Sample Date/Time: 3/30/2016 08:58
Submit Date/Time: 3/31/2016 11:00
Report Date: 4/5/2016

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

BA Project # **38266**
BA Sample ID **CC08560**

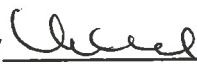
Project Name: **AL Holmes**
Project Number: **188BS16170**
Sample ID: **2-KS-P-ALH-Kitchen**

Analyte Name	Result	Units	RL	MCL	Method Reference	Analysis Time	Analysis Date
Drinking Water Metal Analysis							
Total Copper (Drinking Water)	90	ug/L	20	1300	EPA 200.8 rev5.4	22:28	04/01/2016
Total Lead (Drinking Water)	Not detected	ug/L	1	15	EPA 200.8 rev5.4	22:28	04/01/2016

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 4-5-16



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Brighton, Michigan 48114
Phone: (810)229-7575 (810)229-8650
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MDNRE Certified #9404
NELAC Accredited #176507

Sample Date/Time: 3/30/2016 09:07
Submit Date/Time: 3/31/2016 11:00
Report Date: 4/5/2016

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

BA Project # **38266**
BA Sample ID **CC08562**

Project Name: **AL Holmes**
Project Number: **188BS16170**
Sample ID: **3-KS-P-ALH-Teach. Lounge**

Analyte Name	Result	Units	RL	MCL	Method Reference	Analysis Time	Analysis Date
Drinking Water Metal Analysis							
Total Copper (Drinking Water)	250	ug/L	20	1300	EPA 200.8 rev5.4	22:32	04/01/2016
Total Lead (Drinking Water)	Not detected	ug/L	1	15	EPA 200.8 rev5.4	22:32	04/01/2016

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 4-5-16



BRIGHTON ANALYTICAL, LLC

QUALITY ASSURANCE/QUALITY
CONTROL

ICP-MS

METHOD 200.8

REPRESENTATIVE BATCH PRECISION AND ACCURACY QUALITY CONTROL SUMMARY

Analysis Date: 4/1/2016

Standard ID: 033116 H2O

Batch: 4/1/2016 W3

Matrix Spike Lab ID: CC08576

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	1080	1068	1.1	1000	96.8	95.6	112	<1	97.1	97.9
Lead	962	959	0.3	1000	96.2	95.9	0	<1	95.5	91.8

* Matrix spike precision range +/- 20% RPD

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

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

Comments: _____