

May 05, 2016

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

Subject: Cass Tech HS-2501 2nd St.
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 04/28/2016 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 38770 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@cbgohal.net

2105 Pless Drive
Brighton, MI 48114

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

PROJECT NAME:

CASS TECH HS-2501 ANALYST

PROJECT #:

186BS16170

PO #: (PLEASE NOTE IF DIFFERENT BILLING ADDRESS)

Sample collected by:

Charlie Cohen

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.

Date

Time

Brighton ID #

Sample Description

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

Container Type & Quantity

ABBREVIATIONS FOR MATRIX

S = Solid

L = Liquid

DW = Drinking H₂O

O = Oil

P = Wipe

A = Air (Tedlar Bag)

F = Filter

T = Tube

M = Misc.

BA PROJECT #:

38440

Analysis Requested/Method

Sample Matrix

LEAD - Primary (P)

Copper - Primary (P)

Lead - Flusht (F) - Hold

Copper - Flusht (F) - Hold

001405

06

07

08

09

10

BILLING ADDRESS (IF REQUIRED):

Same as mailing

Drinking H₂O:

Fax to LCHD? yes ☐ no ☒

Chlorinated Water Supply? yes ☒ no ☐

AMT: NA

MCL Failure: yes ☐ no ☒

Client Notified (date/time/initials):

Special Instructions: If Lead or Copper is Above detection Limits Analyze Flusht 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			4/28/16	0810	3				
2			4/28/16	1030	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: 4/27/2016 05:34
Submit Date/Time: 4/28/2016 10:30
Report Date: 5/5/2016

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

BA Project # **38770**
BA Sample ID **CD01405**

Project Name: **Cass Tech HS-2501 2nd St.**
Project Number: **188BS16170**
Sample ID: **1-DWC-P-CASS-A111**

Analyte Name	Result	Units	RL	MCL	Method Reference	Analysis Time	Analysis Date
Drinking Water Metal Analysis							
Total Copper (Drinking Water)	300	ug/L	20	1300	EPA 200.8 rev5.4	12:41	05/04/2016
Total Lead (Drinking Water)	Not detected	ug/L	1	15	EPA 200.8 rev5.4	12:41	05/04/2016

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


5/5/16



Brighton Analytical LLC
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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: 4/27/2016 05:44
Submit Date/Time: 4/28/2016 10:30
Report Date: 5/5/2016

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

BA Project # **38770**
BA Sample ID **CD01407**

Project Name: **Cass Tech HS-2501 2nd St.**
Project Number: **188BS16170**
Sample ID: **2-DWC-P-CASS A234**

Analyte Name	Result	Units	RL	MCL	Method Reference	Analysis Time	Analysis Date
Drinking Water Metal Analysis							
Total Copper (Drinking Water)	430	ug/L	20	1300	EPA 200.8 rev5.4	12:59	05/04/2016
Total Lead (Drinking Water)	Not detected	ug/L	1	15	EPA 200.8 rev5.4	12:59	05/04/2016

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 _____



Brighton Analytical LLC
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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: 4/27/2016 05:52
Submit Date/Time: 4/28/2016 10:30
Report Date: 5/5/2016

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

BA Project # **38770**
BA Sample ID **CD01409**

Project Name: **Cass Tech HS-2501 2nd St.**
Project Number: **188BS16170**
Sample ID: **3-DWC-P-CASS Cafe @ Stair #3**

Analyte Name	Result	Units	RL	MCL	Method Reference	Analysis Time	Analysis Date
Drinking Water Metal Analysis							
Total Copper (Drinking Water)	200	ug/L	20	1300	EPA 200.8 rev5.4	13:04	05/04/2016
Total Lead (Drinking Water)	Not detected	ug/L	1	15	EPA 200.8 rev5.4	13:04	05/04/2016

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 _____

[Signature]
5/5/16



BRIGHTON ANALYTICAL, LLC

QUALITY ASSURANCE/QUALITY
CONTROL

ICP-MS METHOD 6020

REPRESENTATIVE BATCH PRECISION AND ACCURACY QUALITY CONTROL SUMMARY

Analysis Date: 5/4/2016	Standard ID: 042216 H2O	Batch: 5/2/2016 W1
Matrix Spike Lab ID: CD01405	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	1333	1350	1.3	1000	103.3	105.0	300	<20	102.6	100.5
Arsenic	994	1005	1.1	1000	99.4	100.5	0	<1	100.0	96.0
Molybdenum	1032	1059	2.6	1000	103.2	105.9	0	<10	108.7	98.2
Lead	987	1014	2.7	1000	98.7	101.4	0	<1	104.9	99.2

* Matrix spike precision range +/- 20% RPD

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

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

Comments: _____