

April 08, 2016

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

Subject: Davison ES/MS
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 04/01/2016 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 38322 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.™
 Ennab: ba@brighton-analytical.net
 2105 Pless Drive
 Brighton, MI 48114
 Phone: 810-229-7575
 Fax: 810-229-8650

BA PROJECT #:
38252

Analysis Requested/Method

PAGE ____ OF ____
 COMPANY/MAILING ADDRESS:

PROJECT NAME: **DAVISON ES/MS**

PROJECT #: **188BS16170**

PO #: (PLEASE NOTE IF DIFFERENT BILLING ADDRESS)

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

Sample collected by: **KEVIN KLAVIS**

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	Date	Time
1)	1-DWF-P-DE - BSMTHAL@ym	3/31	1147
2)	1-DWF-F-DE - BSMTHAL@ym	3/31	1149
3)	2-DWF-P-DE - BSMTC103	3/31	1152
4)	2-DWF-F-DE - BSMTC103	3/31	1153
5)	3-KS-P-DE - 306 LOUNGE	3/31	1200
6)	3-KS-F-DE - 306 LOUNGE	3/31	1201
7)			
8)			
9)			
10)			

Container Type & Quantity	
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	

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

ATC GROUP SERVICES
 4855 Hum Bldg Dr #100
 Novi, MI, 48377
 ATTN: Robert Smith
 PHONE: 248-669-5146
 FAX OR EMAIL:

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

Special Instructions: **IF LEAD OR COPPER EXCEED GENERAL LIMIT - ANALYSE WITH 4 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>	3/31	0930	3				
2	<i>[Signature]</i>	<i>[Signature]</i>	4/1/16	1200	4				

Drinking H₂O:
 Fax to LCHD? yes no
 Chlorinated Water Supply? yes no
 AMT: *[Signature]*

MCL Failure: yes no

Client Notified (date/time/initials):

BILLING ADDRESS (IF REQUIRED):

SAME AS MAILING

64

65

66

67



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: 3/31/2016 11:47
 Submit Date/Time: 4/1/2016 12:00
 Report Date: 4/8/2016

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

BA Project # **38322**
 BA Sample ID **CC08862**

Project Name: **Davison ES/MS**
 Project Number: **188BS16170**
 Sample ID: **1-DWF-P-DE-BSMT Hall @ Gym**

Analyte Name	Result	Units	RL	MCL	Method Reference	Analysis Time	Analysis Date
Drinking Water Metal Analysis							
Total Copper (Drinking Water)	740	ug/L	20	1300	EPA 200.8 rev5.4	15:10	04/07/2016
Total Lead (Drinking Water)	Not detected	ug/L	1	15	EPA 200.8 rev5.4	15:10	04/07/2016

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 4/8/16



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 MDNRE Certified #9404
 NELAC Accredited #176507

Sample Date/Time: 3/31/2016 11:52
 Submit Date/Time: 4/1/2016 12:00
 Report Date: 4/8/2016

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

BA Project # **38322**
 BA Sample ID **CC08864**

Project Name: **Davison ES/MS**
 Project Number: **188BS16170**
 Sample ID: **2-DWF-P-DE-BSMT @ 103**

Analyte Name	Result	Units	RL	MCL	Method Reference	Analysis Time	Analysis Date
Drinking Water Metal Analysis							
Total Copper (Drinking Water)	120	ug/L	20	1300	EPA 200.8 rev5.4	15:34	04/07/2016
Total Lead (Drinking Water)	13	ug/L	1	15	EPA 200.8 rev5.4	15:34	04/07/2016

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 4/8/16



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Sample Date/Time: 3/31/2016 12:00
 Submit Date/Time: 4/1/2016 12:00
 Report Date: 4/8/2016

ATC Associates
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 Suite 100
 Novi, MI 48377

BA Project # **38322**
 BA Sample ID **CC08866**

Project Name: **Davison ES/MS**
 Project Number: **188BS16170**
 Sample ID: **3-KS-P-DE-306 Lounge**

Analyte Name	Result	Units	RL	MCL	Method Reference	Analysis Time	Analysis Date
Drinking Water Metal Analysis							
Total Copper (Drinking Water)	140	ug/L	20	1300	EPA 200.8 rev5.4	15:38	04/07/2016
Total Lead (Drinking Water)	2	ug/L	1	15	EPA 200.8 rev5.4	15:38	04/07/2016

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.

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Released by 
 Date 4/8/16



BRIGHTON ANALYTICAL, LLC

QUALITY ASSURANCE/QUALITY
CONTROL

ICP-MS METHOD 6020

REPRESENTATIVE BATCH PRECISION AND ACCURACY QUALITY CONTROL SUMMARY

Analysis Date: 4/7/2016 Standard ID: 033116 H2O Batch: 4/1/2016 W11
 Matrix Spike Lab ID: CC08866 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	1133	1125	0.7	1000	99.6	98.8	137	<20	102.4	100.9
Lead	962	957	0.5	1000	96.0	95.5	2	<1	97.7	93.1

* Matrix spike precision range +/- 20% RPD

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

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

Comments: _____