

May 03, 2016

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

Subject: Denby High School - 12800 Kelly
188BS16209

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 04/22/2016 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 38651 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@sbcglobal.net
 2105 Pless Drive Brighton, MI 48114 Phone: 810-229-7575 Fax: 810-229-8650

PROJECT NAME: Denby High School - Kelly
 PROJECT #: 185B516209
 PO #: (PLEASE NOTE IF DIFFERENT BILLING ADDRESS)

Sample collected by: Dawn Winter

Brighton ID #	Sample Description	Sample Coil		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
		Date	Time									
1)	L-K-P-DEN Kitchen	4/20/08	0802	X								
2)	L-K-F-DEN Kitchen	4/20/08	0802	X								
3)	2-DW-F-P-DEN By Elevator	4/20/08	0804	X								
4)	2-DW-F-F-DEN By Elevator	4/20/08	0805	X								
5)	3-DW-F-P-DEN Main @ Gym	4/20/08	0809	X								
6)	3-DW-F-F-DEN Main @ Gym	4/20/08	0810	X								

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

BA PROJECT #: 3865
 ABBREVIATIONS FOR MATRIX
 S = Solid L = Liquid
 DW = Drinking H₂O P = Wipe O = Oil
 A = Air (Tedlar Bag) F = Filter T = Tube M = Misc.

Analysis Requested/Method	Sample Matrix	Lead - Primary (P)	Copper - Primary (P)	LEAD - FLOTH (F) - Hold	Copper - FLOTH (F) - Hold
	DW	X			
	DW	X		X	
	DW	X	X		
	DW	X	X		
	DW	X	X		
	DW	X	X		

COMPANY/MAILING ADDRESS:
ATC Group Services LLC
4655 Humboldt DC STEAD
NUVEJ ME 48377
 ATTN: Robert Smith
 PHONE: (248) 669-5440
 FAX OR EMAIL: Robert.Smith@atcassociates.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):
Same as mailing

Drinking H₂O:
 Fax to LCHD? yes no
 Chlorinated Water Supply? yes no
 AMT.: N/A

MCL Failure: yes no
 Client Notified (date/time/initials): _____

Special Instructions: If Lead or Copper is Above Detection Limits Analyze FLUX 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	<u>Dawn Winter</u>	<u>[Signature]</u>	<u>4/24/08</u>	<u>0900</u>	3				
2	<u>[Signature]</u>	<u>[Signature]</u>	<u>4.22.16</u>	<u>9:35 AM</u>	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: 4/20/2016 08:02
 Submit Date/Time: 4/22/2016 09:30
 Report Date: 5/3/2016

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

BA Project # **38651**
 BA Sample ID **CD00790**

Project Name: **Denby High School - 12800 Kelly**
 Project Number: **188BS16209**
 Sample ID: **1-K-P-Den Kitchen**

Analyte Name	Result	Units	RL	MCL	Method Reference	Analysis Time	Analysis Date
Drinking Water Metal Analysis							
Total Copper (Drinking Water)	310	ug/L	20	1300	EPA 200.8 rev5.4	22:34	04/29/2016
Total Lead (Drinking Water)	1	ug/L	1	15	EPA 200.8 rev5.4	22:34	04/29/2016

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]
 5/3/16



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 NELAC Accredited #176507

Sample Date/Time: 4/20/2016 08:04
 Submit Date/Time: 4/22/2016 09:30
 Report Date: 5/3/2016

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

BA Project # **38651**
 BA Sample ID **CD00792**

Project Name: **Denby High School - 12800 Kelly**
 Project Number: **188BS16209**
 Sample ID: **2-DWF-P-Den Hall by Elev.**

Analyte Name	Result	Units	RL	MCL	Method Reference	Analysis Time	Analysis Date
Drinking Water Metal Analysis							
Total Copper (Drinking Water)	910	ug/L	20	1300	EPA 200.8 rev5.4	23:05	04/29/2016
Total Lead (Drinking Water)	Not detected	ug/L	1	15	EPA 200.8 rev5.4	23:05	04/29/2016

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

J. J. Popel
5/3/16



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Sample Date/Time: 4/20/2016 08:09
 Submit Date/Time: 4/22/2016 09:30
 Report Date: 5/3/2016

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

BA Project # **38651**
 BA Sample ID **CD00794**

Project Name: **Denby High School - 12800 Kelly**
 Project Number: **188BS16209**
 Sample ID: **3-DWF-P-Den Hall @ Gym**

Analyte Name	Result	Units	RL	MCL	Method Reference	Analysis Time	Analysis Date
Drinking Water Metal Analysis							
Total Copper (Drinking Water)	830	ug/L	20	1300	EPA 200.8 rev5.4	23:10	04/29/2016
Total Lead (Drinking Water)	Not detected	ug/L	1	15	EPA 200.8 rev5.4	23:10	04/29/2016

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 5/3/16



BRIGHTON ANALYTICAL, LLC

QUALITY ASSURANCE/QUALITY
CONTROL

ICP-MS METHOD 6020

REPRESENTATIVE BATCH PRECISION AND ACCURACY QUALITY CONTROL SUMMARY

Analysis Date: 4/29/2016

Standard ID: 042216 H2O

Batch: 4/26/2016 W2

Matrix Spike Lab ID: CC00790

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	1263	1290	2.1	1000	95.7	98.4	306	<20	100.4	97.4
Lead	933	957	2.5	1000	93.2	95.6	1	<1	96.9	94.6

* Matrix spike precision range +/- 20% RPD

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

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

Comments: _____