

May 10, 2016

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

Subject: King High School - 3200 Lafayette
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 05/02/2016 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 38832 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: ba@brightonlab.com

Phone: 810-229-7575

Fax: 810-229-8650

2105 Pless Drive

Brighton, MI 48114

PROJECT NAME:

KINL High School - 3200 Lafayette

PROJECT #:

18873516170

PO # (PLEASE NOTE IF DIFFERENT BILLING ADDRESS)

Sample collected by:

Charlie GREEN

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

Sample Coll.

Date

Time

Brighton ID #	Sample Description	Date	Time
1) 1-DWC-P-KING-BRIGHTON BULL	1/24 0724		
2) 1-DWC-F-KING-BRIGHTON BMD	1/24 0726		
3) 2-F-P-KING-KITCHEN	1/25 0726		
4) 2-F-F-KING-KITCHEN	1/25 0726		
5) 3-F-P-KING-TEACHERS	1/25 0730		
6) 3-F-F-KING-TEACHERS	1/25 0731		
7)			
8)			
9)			
10)			

BA PROJECT #:		Analysis Requested/Method	
38832			
ABBREVIATIONS FOR MATRIX		Sample Matrix	
S = Solid L = Liquid DW = Drinking H ₂ O O = Oil P = Wipe A = Air (Tedral Bag) F = Filter T = Tube M = Misc.			
Container	Type & Quantity	LEAD-Primary (P)	Copper-Primary (P)
VOAS (PRES) Y N N/A		X	X
HDPE UNPRESERVED		X	X
HDPE HNO ₃		X	X
HDPE H ₂ SO ₄		X	X
HDPE NaOH		X	X
AMBER PRESERVED?		X	X
GLASS, NO PRESERVATIVE		X	X
STERILIZED BACTERIA		X	X
MEOH Preserved Y N		X	X

PAGE 1 OF 1

COMPANY/MAILING ADDRESS:

ATC Corp Services, LLC

46555 Humboldt Dr STE 100

Novi, MI 48377

ATTN: Robert Smith

PHONE: (248) 669-5140

FAX OR EMAIL: Robert.Smith@ATCServices.com

Samples received within hold time? yes ☒ no ☐

Temperature of samples °C: on 105

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.: _____

MCL Failure: yes ☐ no ☒

Client Notified (date/time/initials): _____

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	Dawn Walker	[Signature]	5/2/16	1045	3				
2	[Signature]	[Signature]	5/2/16	1130	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: 4/29/2016 07:24
Submit Date/Time: 5/2/2016 11:30
Report Date: 5/10/2016

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

BA Project # **38832**
BA Sample ID **CD01847**

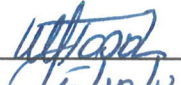
Project Name: **King High School - 3200 Lafayette**
Project Number: **188BS16170**
Sample ID: **1-DWC-P-KING-Hall Brmgham Blvd**

Analyte Name	Result	Units	RL	MCL	Method Reference	Analysis Time	Analysis Date
Drinking Water Metal Analysis							
Total Copper (Drinking Water)	110	ug/L	20	1300	EPA 200.8 rev5.4	19:57	05/09/2016
Total Lead (Drinking Water)	Not detected	ug/L	1	15	EPA 200.8 rev5.4	19:57	05/09/2016

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 5/10/16



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

Sample Date/Time: 4/29/2016 07:26
Submit Date/Time: 5/2/2016 11:30
Report Date: 5/10/2016

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

BA Project # **38832**
BA Sample ID **CD01849**

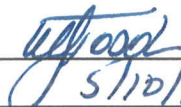
Project Name: **King High School - 3200 Lafayette**
Project Number: **188BS16170**
Sample ID: **2-F-P-KING-Kitchen**

Analyte Name	Result	Units	RL	MCL	Method Reference	Analysis Time	Analysis Date
Drinking Water Metal Analysis							
Total Copper (Drinking Water)	340	ug/L	20	1300	EPA 200.8 rev5.4	20:01	05/09/2016
Total Lead (Drinking Water)	Not detected	ug/L	1	15	EPA 200.8 rev5.4	20:01	05/09/2016

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 5/10/16



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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: 4/29/2016 07:30
Submit Date/Time: 5/2/2016 11:30
Report Date: 5/10/2016

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

BA Project # **38832**
BA Sample ID **CD01851**

Project Name: **King High School - 3200 Lafayette**
Project Number: **188BS16170**
Sample ID: **2-F-P-KING-Teachers Lng**

Analyte Name	Result	Units	RL	MCL	Method Reference	Analysis Time	Analysis Date
Drinking Water Metal Analysis							
Total Copper (Drinking Water)	370	ug/L	20	1300	EPA 200.8 rev5.4	20:06	05/09/2016
Total Lead (Drinking Water)	Not detected	ug/L	1	15	EPA 200.8 rev5.4	20:06	05/09/2016

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 *W. Wood*
Date *5/10/16*



BRIGHTON ANALYTICAL, LLC

QUALITY ASSURANCE/QUALITY
CONTROL

ICP-MS

METHOD 200.8/6020

REPRESENTATIVE BATCH PRECISION AND ACCURACY QUALITY CONTROL SUMMARY

Analysis Date: 5/9/2016	Standard ID: 050416 H2O	Batch: 5/4/2016 W2
Matrix Spike Lab ID: CD01798	Matrix: <u>Total</u>	Analyst: <u>LT</u>

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. (%)
Aluminum	1045	1026	1.8	1000	103.4	101.5	11	<50	104.7	100.2
Potassium	38645	39439	2.0	10000	98.6	106.6	28783	<100	100	95.2
Copper	1017	1019	0.2	1000	99.3	99.5	24	<20	102.3	104.2
Arsenic	1003	1016	1.3	1000	99.5	100.8	8	<1	99.5	99.1
Cadmium	1001	991	1.0	1000	100.0	99.0	1.4	<0.5	102	98.5
Lead	1009	989	2.0	1000	100.9	98.9	0	<1	100.6	96.7

* Matrix spike precision range +/- 20% RPD

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

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

Comments: _____