

March 31, 2016

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

Subject: Clippert Academy
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 03/29/2016 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 38204 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: info@brighton-analytical.net
2105 Pless Drive
Brighton, MI 48114
Phone: 810-229-7575
Fax: 810-229-8650

BA PROJECT #:
38204

Analysis Requested/Method

PAGE 1 OF 1
COMPANY/MAILING ADDRESS:

PROJECT NAME:

Chippewat Academy

PROJECT #:

1883516170

PO #: (PLEASE NOTE IF DIFFERENT BILLING ADDRESS)

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

Sample collected by:

D. Winters

REQUESTED TURNAROUND: (circle one)

If RUSH,
approved by:

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.

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

Sample Matrix

**LEAD - Primary (P)
Copper - Primary (P)**

**LEAD - Flush (F) - H₂O
Copper Flush (F) - H₂O**

600 6311

BILLING ADDRESS (IF REQUIRED):

Same as mailing

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 ☐

Drinking H₂O:

Fax to LCHD? yes ☐ no ☒

Chlorinated Water Supply? yes ☒ no ☐

AMT.: **1.5**

MCL Failure: yes ☐ no ☐

Client Notified (date/time/initials):

Special Instructions: **IS 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 Winters	[Signature]	03/29/16	09:30	3	[Signature]	[Signature]	03/29/16	11:00
2					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: 3/28/2016 12:25
Submit Date/Time: 3/29/2016 11:00
Report Date: 3/31/2016

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

BA Project # **38204**
BA Sample ID **CC08311**

Project Name: **Clippert Academy**
Project Number: **188BS16170**
Sample ID: **1-DWF-P-Clip-Hall (204)**

Analyte Name	Result	Units	RL	MCL	Method Reference	Analysis Time	Analysis Date
--------------	--------	-------	----	-----	------------------	---------------	---------------

Drinking Water Metal Analysis

Total Copper (Drinking Water)	550	ug/L	20	1300	EPA 200.8 rev5.4	15:55	03/30/2016
Total Lead (Drinking Water)	Not detected	ug/L	1	15	EPA 200.8 rev5.4	15:55	03/30/2016

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

3/31/16

**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: 3/28/2016 12:29
Submit Date/Time: 3/29/2016 11:00
Report Date: 3/31/2016

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

BA Project # **38204**
BA Sample ID **CC08313**

Project Name: **Clippert Academy**
Project Number: **188BS16170**
Sample ID: **2-DWF-P-Clip-Hall (103)**

Analyte Name	Result	Units	RL	MCL	Method Reference	Analysis Time	Analysis Date
--------------	--------	-------	----	-----	------------------	---------------	---------------

Drinking Water Metal Analysis

Total Copper (Drinking Water)	860	ug/L	20	1300	EPA 200.8 rev5.4	16:00	03/30/2016
Total Lead (Drinking Water)	1	ug/L	1	15	EPA 200.8 rev5.4	16:00	03/30/2016

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


3/31/16



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: 3/28/2016 12:34
Submit Date/Time: 3/29/2016 11:00
Report Date: 3/31/2016

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

BA Project # **38204**
BA Sample ID **CC08315**

Project Name: **Clippert Academy**
Project Number: **188BS16170**
Sample ID: **3-K-P-Clip-Kitchen**

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	16:04	03/30/2016
Total Lead (Drinking Water)	Not detected	ug/L	1	15	EPA 200.8 rev5.4	16:04	03/30/2016

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 3/31/16



BRIGHTON ANALYTICAL, LLC

QUALITY ASSURANCE/QUALITY
CONTROL

ICP-MS

EPA METHOD 200.8/6020

REPRESENTATIVE BATCH PRECISION AND ACCURACY QUALITY CONTROL SUMMARY

Analysis Date: 3/30/2016

Standard ID: 021616 H2O

Batch: 3/30/2016 W1

Matrix Spike Lab ID: CC08325

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 (%)
Beryllium	1004	989	1.5	1000	100.4	98.9	0	<1	96.2	100.5
Aluminium	1048	1043	0.5	1000	99.7	99.2	51	<50	101.6	102.8
Chromium	1013	1017	0.4	1000	101.3	101.7	0	<1	102.3	101.5
Manganese	1124	1131	0.6	1000	100.6	101.3	118	<5	101.2	101.3
Iron	11079	11194	1.0	10000	100.3	101.5	1048	<20	100.7	94.1
Nickel	1662	1661	0.1	1000	101.2	101.1	650	<1	102.8	102.5
Copper	1325	1326	0.1	1000	102.9	103.0	296	<1	104.2	104.9
Zinc	4122	4144	0.5	1000	104.1	106.3	3081	<10	101.7	100.4
Arsenic	1015	1008	0.7	1000	101.5	100.8	0	<1	102.0	100.7
Selenium	1012	1004	0.8	1000	101.2	100.4	0	<1	101.8	99.7
Silver	10.53	10.03	4.9	10	105.3	100.3	0	<0.2	98.2	90.2
Cadmium	1059	1008	4.9	1000	105.9	100.8	0	<0.2	96.2	100.0
Antimony	1040	1017	2.2	1000	103.8	101.5	2	<1	96.3	109.5
Barium	1087	1020	6.4	1000	107.2	100.5	15	<5	97.9	103.6
Thallium	1034	993	4.0	1000	103.4	99.3	0	<0.5	95.0	103.0
Lead	1096	1053	4.0	1000	105.0	100.7	46	<1	95.6	97.6

* Matrix spike precision range +/- 20% RPD

** Matrix spike accuracy range +/- 30% recovery

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

Comments: _____