

April 08, 2016

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

Subject: Vernor ES
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 38324 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: ba@brighton-analytical.net
2105 Pless Drive
Brighton, MI 48114
Phone: 810-229-7575
Fax: 810-229-8650

PROJECT NAME: **VERNON ES**

PROJECT #: **188 BS16170**

PO #: (PLEASE NOTE IF DIFFERENT BILLING ADDRESS)

Sample collected by: **KEVIN KHAIS**

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 _____
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

BA PROJECT #: **38234**
Analysis Requested/Method
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 Matrix

COPPER - PRIMARY - (P)
LEAD - PRIMARY - (P)
COPPER - FLUSH - (F) H₂O
LEAD - FLUSH - (F) H₂O

COMPANY/MAILING ADDRESS:
ATC ENV SERVICES
46885 HUMBOLDT DR #100
NOVI, MI, 48377
ATTN: **DOUG SMITH**
PHONE: **248-667-5140**
FAX/EMAIL: **DOUG.SMITH@ATCSERVICES.COM**
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 ☐

BILLING ADDRESS (IF REQUIRED):

SAME AS MAILING

Drinking H₂O:

Fax to LCHD? yes ☐ no ☒
Chlorinated Water Supply? yes ☒ no ☐
AMT.: **PA**

MCL Failure: yes ☒ no ☐

Client Notified (date/time/initials): **4/18/16 13:30**

cc08878

Special Instructions: 15 LAB ON COPPER EXCEED DETECTION LIMIT - 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	hck	DOUG SMITH	3/31	0930	3				
2	DOUG	WFOOL	4/1/16	1200	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: 3/31/2016 13:30
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 # **38324**
BA Sample ID **CC08874**


Project Name: **Vernor ES**
Project Number: **188BS16170**
Sample ID: **1-KS-P-VE-Kitchen**

Analyte Name	Result	Units	RL	MCL	Method Reference	Analysis Time	Analysis Date
Drinking Water Metal Analysis							
Total Copper (Drinking Water)	20	ug/L	20	1300	EPA 200.8 rev5.4	16:24	04/07/2016
Total Lead (Drinking Water)	Not detected	ug/L	1	15	EPA 200.8 rev5.4	16:24	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



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 13:35
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 # **38324**
BA Sample ID **CC08876**


Project Name: **Vernor ES**
Project Number: **188BS16170**
Sample ID: **2-DWF-P-VE-Hall @ 108**

Analyte Name	Result	Units	RL	MCL	Method Reference	Analysis Time	Analysis Date
Drinking Water Metal Analysis							
Total Copper (Drinking Water)	40	ug/L	20	1300	EPA 200.8 rev5.4	16:28	04/07/2016
Total Lead (Drinking Water)	7	ug/L	1	15	EPA 200.8 rev5.4	16:28	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



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 13:40
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 # **38324**
BA Sample ID **CC08878**

Project Name: **Vernor ES**
Project Number: **188BS16170**
Sample ID: **3-KS-P-VE-Lounge 208B**

Analyte Name	Result	Units	RL	MCL	Method Reference	Analysis Time	Analysis Date
Drinking Water Metal Analysis							
Total Copper (Drinking Water)	90	ug/L	20	1300	EPA 200.8 rev5.4	16:33	04/07/2016
Total Lead (Drinking Water)	24	ug/L	1	15	EPA 200.8 rev5.4	16:33	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



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: _____