

Bureau of Environmental Health

8930 Stanford Blvd, Columbia, MD 21045
Main: 410-313-2640 | Fax: 410-313-2648
TDD 410-313-2323 | Toll Free 1-866-313-6300
www.hchealth.org

Maura J. Rossman, M.D., Health Officer

August 29, 2017

Stefan Yench
1002 Underwood Road
Sykesville, MD 21784

Dear Mr. Yench,

The Health Department received results from the testing for sodium, chloride, and total dissolved solids (TDS) from your well water.

Elevated sodium levels in drinking water could affect individuals on low-salt diets. The action level for sodium is 20 milligrams per liter (mg/L); **sodium from your well measured 121 mg/L**. If anyone in your household is on a low-salt diet, you may want to discuss these results with your physician.

Chloride and TDS are both considered secondary contaminants, meaning high concentrations can affect taste, color, odor, or corrosive properties of water but present no risk to health. The secondary maximum contaminant level for chloride is 250 mg/L; **chloride from your well measured 286 mg/L**. The secondary maximum contaminant level for TDS is 500 mg/L; **TDS from your well measured 655 mg/L**.

Given the elevated levels of sodium, chloride, and TDS you may want to consult a plumber and/or water treatment company to discuss options. Please be aware that any backwash generated from a treatment system must be disposed of in a subsurface disposal system. Prior to installing a system that generates backwash, please contact the Health Department to ensure that all regulatory requirements are met.

Please contact me at the number or email below with any questions regarding the results of water sampling.

Sincerely,

A handwritten signature in cursive script, appearing to read 'Sarah Collins', is positioned above the typed name.

Sarah Collins, L.E.H.S.
Howard County Health Department
Well & Septic Program
SCollins@howardcountymd.gov
410-313-6287

Cc: *Community Hygiene Program*
File

Send Report To: Bert Nixon
Howard Co. Health Dept.
Bureau of Environmental Health

State of Maryland
DHMH - Laboratories Administration
Division of Environmental Chemistry
TRACE METALS LABORATORY
1770 Ashland Avenue
Baltimore, Maryland 21205

Lab No. Date Received



E18000244001

Received: 07/20/2017

Metals

HC 1002

8930 Stanford Blvd.

Columbia, MD 21045

LABORATORY ANALYSIS REQUEST

Please Print

(D)

Sample ID No: HC 1002 Site Name: Yencha Property County: Howard

Sample Source: 1002 Underwood Rd. Sykesville Collector: S. Collins
Street Town or City Name

Date Collected: 7/19/2017 Time Collected: 12:30 p.m. Phone #: 410-313-6287

Sample Preserved By: Field ESRL WMRL Central Lab

Preservative Used: HNO₃ mL pH: 4.2

Sample Type: Drinking Water Landfill Source (Raw Water) Liquid
 Community Stream Distribution (Treated) Solid
Data Category Non-Community Sediment Other
Code Private

Specify Program: SDWA NPDES CWA RCRA Consumer Products Other

Type of Sample Preparation: Total Metals Total Metals TCLP Dissolved Metals
(field preparation required)

Remarks: Sample collected from hose

✓	Element	Results (ppm)	✓	Element	Results (ppm)
	Antimony (Sb)			Copper (Cu)	
	Arsenic (As)			Lead (Pb)	
	Barium (Ba)			Silver (Ag)	
	Beryllium (Be)			Zinc (Zn)	
	Cadmium (Cd)			Aluminum (Al)	
	Chromium (Cr)			Iron (Fe)	
	Mercury (Hg)			Manganese (Mn)	
	Nickel (Ni)			Calcium (Ca)	
	Selenium (Se)			Magnesium (Mg)	
✓	Sodium (Na) SHS			Potassium (K)	
	Thallium (Tl)			Uranium (U)	
				Vanadium (V)	

Lab Supervisor: _____

Date Reported: 7/19/17

DHMH 4432 (05/15)

Phone: (443) 681-3857

Fax: (443) 681-4507

SUBMITTER'S COPY

RECEIVED
AUG 07 2017
HOWARD COUNTY HEALTH DEPT.
COMMUNITY HYGIENE PROGRAM



State of Maryland
Department of Health
Laboratories Administration
Division of Environmental Sciences
TRACE METALS LABORATORY
1770 Ashland Avenue, Baltimore, Maryland 21205
Robert Myers, Ph.D., Director



Certificate of Analysis

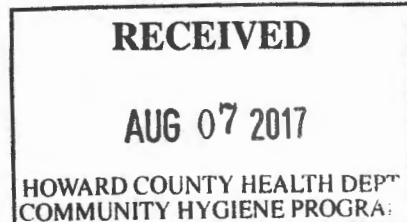
HOWARD CO ENVIRONMENTAL HLTH
8930 STANFORD BLVD
COLUMBIA, MD 21045

Lab Project No: E18000244 Date Coll.: 07/19/2017 Date Received: 07/20/2017 Submitted By: Collins

Field ID: HC 1002
Lab No.: E18000244001

<u>Method</u>	<u>Element</u>	<u>Result</u>	<u>Units</u>	<u>Date Analyzed</u>
EPA 200.7	Sodium	120.80	ppm	07/28/2017

Comments:



Approved by: Sadia Muneer

Approval date: 08/02/2017

**The following methods are included in our A2LA Scope of Accreditation: EPA 200.7, EPA 200.8, EPA 245.1.

This document contains confidential health information that is privileged, confidential and exempt from disclosure under law. If you have received this information in error, please call (410) 767-6944 and arrange for return or destruction.

Telephone: (443) 681 - 3853

Fax: (443) 681-4507

S:\EnviroFinal-Metals.rpt

Send Report To: Bert Nixon
 Howard Co. Health Dept.
 8930 Stamford Blvd.

State of Maryland
 DHMH-Laboratories Administration
 Division of Environmental Sciences
INORGANICS ANALYTICAL LABORATORY
 1770 Ashland Avenue
 Baltimore, Maryland 21205
WATER ANALYSIS


E18000242001
 Received: 07/20/2017
 Inorganic HC 1002

Bureau of Environmental Health
 Columbia, MD-21045

S
A
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P
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E

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Bottle Number HC 1002 Name Yencha Property County Howard County Code 113
 Location 1002 Underwood Rd. Sykesville Data Category Code 4.F
 Collected: Date 7/19/17 Time 12:30 pm Collector & Phone S. Collins 410-313-6287 Submitter Code
 CHECK (one per box)
 Drinking Water Landfill Stream Other
 Community Non-community Private Other
 Source (raw water) Distribution (treated) MCL
 Emergency Routine Recheck Special
 Federal Project S

Plant No. Sampling Station Preservation: Iced Acid Type of Acid
 pH Chlorine: Free Total Specific Conductance KH
 Notes to Lab/Remarks: Sample collected from hose.

CHECK TESTS	TESTS	Error Code	RESULTS
	Alkalinity (Total)		
	Ammonia - N		
✓	Chloride		
	Conductance*, Spec.		
✓	Dissolved Solids (Total)		
	Hardness		
	Fluoride		
	Nitrate, N		
	Nitrate - Nitrite, N		
	Sulfate		
	Total Solids		
	Turbidity*		
	Other:		

* Results reported in Units, all others in milligrams per liter (ppm)
 Number of Tests Requested Section Chief Date Reported

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State of Maryland
Department of Health
Laboratories Administration
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INORGANICS ANALYTICAL LABORATORY
1770 Ashland Avenue, Baltimore, Maryland 21205
Robert Myers, Ph.D., Director



HOWARD CO ENVIRONMENTAL HLTH
8930 STANFORD BLVD
COLUMBIA, MD 21045

Certificate of Analysis

Lab Project NoE18000242 Date Coll. 07/19/2017 Date Received 07/20/2017 Submitted By: S. Collins

Field ID: HC 1002
Lab No.: E18000242001

<u>Analyte</u>	<u>Method</u>	<u>Result</u>	<u>Units</u>	<u>Date Analyzed</u>
Chloride	SM 4500-Cl E	286	mg/L	07/21/2017
Total Dissolved Solids	SM 2540C	655	mg/L	07/21/2017

Comments:

Approved by: *Shahin Amini*

Approval date: 07/26/2017

*The following methods are included in our A2LA Scope of Accreditation: EPA150.1, EPA 353.2, EPA 375.2, SM4500F C, SM 4500-CN G & QCM-CN, QCM-CN.

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