

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

June 18, 2018

Homeowner
14034 Monticello Drive
Cooksville, MD 21723

Dear Homeowner,

The Health Department received results from 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 88.98 mg/L.**

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 308 mg/L.** The secondary maximum contaminant level for TDS is 500 mg/L; **TDS from your well measured 697 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,



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 County Health Dept
Bureau of Environmental Health
8930 Stanford Blvd
Columbia, MD 21045

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

Lab No. Date Received



E18004259001

Received: 05/25/2018

Metals 14034 SC

Do not write above this line

LABORATORY ANALYSIS REQUEST

Please Print

Sample ID No: 14034 SC Site Name: Gurganus Prop County: Howard

Sample Source: 14034 Monticello Dr Cooksville Collector: S. Collins
Street Town or City Name

Date Collected: 5/24/2018 Time Collected: 11:30 a.m. Phone #: 410-313-6287

Sample Preserved By: Field ESRL WMRL Central Lab.
Preservative Used: HNO₃ mL pH: <2, SWS, 5/25/18

Sample Type: Drinking Water Landfill Source (Raw Water) Liquid
Data Category: Community Stream Distribution (Treated) Solid
Code Non-Community Sediment Other
4F 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 from base tap - no treatment.

✓	Element	Lab Use	✓	Element	Lab Use	✓	Element	Lab Use
	Antimony (Sb)			Aluminum (Al)			Uranium (U)	
	Arsenic (As)			Calcium (Ca)			Vanadium (V)	
	Barium (Ba)			Cobalt (Co)			Zinc (Zn)	
	Beryllium (Be)			Copper (Cu)				
	Cadmium (Cd)			Iron (Fe)				
	Chromium (Cr)			Lead (Pb)				
	Mercury (Hg)			Magnesium (Mg)				
	Nickel (Ni)			Manganese (Mn)				
	Selenium (Se)			Molybdenum (Mo)				
✓	Sodium (Na)	<u>SWS</u>		Potassium (K)				
	Thallium (Tl)			Silver (Ag)				

Lab Supervisor: _____ Date Reported: _____

Phone: (443) 681-4596

Fax: (443) 681-4507



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: E18004259 Date Coll.: 05/24/2018 Date Received: 05/25/2018 Submitted By: Collins

Field ID: 14034 SC
Lab No.: E18004259001

<u>Method</u>	<u>Element</u>	<u>Result</u>	<u>Units</u>	<u>Date Analyzed</u>
EPA 200.7	Sodium	88.98	ppm	05/29/2018

Comments:

Approved by:

Yungsoo Choi

Approval date: 05/31/2018

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

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 County Health Dept
Bureau of Environmental Health
8930 Stanford Blvd
Columbia, MD 21045

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



E18004257002

Received: 05/25/2018

Inorganic

14034 SC

S A M P L E I D	Bottle Number	14034 SC	Name	Gurganus Prop	County	Howard	County Code	13
	Location	14034 Monticello Dr.		Cooksville	Data Category Code		4F	
	Collected: Date	5/24/18	Time	11:30 am	Collector & Phone	S. Collins 410-313-6287	Submitter Code	
	CHECK (one per box)							
	Drinking Water <input checked="" type="checkbox"/>	Landfill <input type="checkbox"/>	Stream <input type="checkbox"/>	Other <input type="checkbox"/>	Community Non-community <input type="checkbox"/>	Private <input type="checkbox"/>	Other <input checked="" type="checkbox"/>	
	Source (raw water) <input checked="" type="checkbox"/>	Distribution (treated) <input type="checkbox"/>	MCL <input type="checkbox"/>	Emergency Routine <input type="checkbox"/>	Recheck <input checked="" type="checkbox"/>	Special <input type="checkbox"/>	Federal Project <input checked="" type="checkbox"/>	

F I E L D	Plant No.		Sampling Station		Preservation: Ice <input checked="" type="checkbox"/>	Acid <input type="checkbox"/>	Type of Acid	
	pH		Chlorine: Free		Total		Specific Conductance	
	Notes to Lab/Remarks: Sample from hose tap - no treatment.							

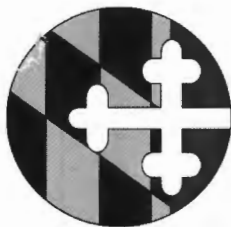
CHECK TESTS	TESTS	Error Code	RESULTS
	Alkalinity (Total)		
	Ammonia - N		
✓	Chloride		
	Conductance*, Spec.		
✓	Dissolved Solids (Total)		
	Hardness		
	Fluoride		
	Nitrite, N		
	Nitrate - Nitrite, N		
	Sulfate		
	Total Solids		
	Turbidity*		
	Other:		

* Results reported in Units, all others in milligrams per liter (ppm)

Number of Tests Requested

Section Chief

Date Reported



State of Maryland
Department of Health
Laboratories Administration
Division of Environmental Sciences
INORGANICS ANALYTICAL 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 NoE18004257 Date Coll. 05/24/2018 Date Received 05/25/2018 Submitted By: S. Collins

Field ID: 14034 SC
Lab No.: E18004257002

<u>Analyte</u>	<u>Method</u>	<u>Result</u>	<u>Units</u>	<u>Date Analyzed</u>
Chloride	SM 4500-Cl E	308	mg/L	06/08/2018
Total Dissolved Solids	SM 2540C	697	mg/L	05/29/2018

Comments:

Approved by:

Shahin Aneli

Approval date: 06/11/2018

*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. Samples are tested as received.

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