



Bureau of Environmental Health

8930 Stanford Blvd, Columbia, MD 21045  
Main: 410-313-2640 | Fax: 410-313-2648  
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[www.hchealth.org](http://www.hchealth.org)

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

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July 20, 2017

Homeowner  
4954 Valley View Overlook  
Ellicott City, MD 21042

Re: 4954 Valley View Overlook water samples

Dear Homeowner,

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 22.02 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 42 mg/L**. The secondary maximum contaminant level for TDS is 500 mg/L; **TDS from your well measured 233 mg/L**.

Given the elevated levels of sodium, 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.

Feel free to 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](mailto:SCollins@howardcountymd.gov)  
410-313-6287

Cc: File

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

8930 Stanford Blvd.

Columbia, MD 21045

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

### LABORATORY ANALYSIS REQUEST

Lab No. Date Received



**E18000006001**

Received: 07/03/2017

Metals

HO-94-4170

Please Print

Sample ID No: HO-94-4170 Site Name: Homewood Crossing - Lot 38 County: Howard

Sample Source: 4954 Valley View Overlook Ellicott City Collector: S. Collins  
Street Town or City Name

Date Collected: 6 / 30 / 20 17 Time Collected: 10 a.m.        p.m. Phone #: 410-313-6287

Sample Preserved By: ☐ Field ☐ ESRL ☐ WMRL ☐ Central Lab

Preservative Used: ☒ HNO<sub>3</sub>        mL pH: <2, SHS, 7/3/17

Sample Type: ☒ Drinking Water ☐ Landfill ☒ Source (Raw Water) ☐ Liquid  
Data Category: ☐ Community ☐ Stream ☐ Distribution (Treated) ☐ Solid  
Code ☐ ☐ Non-Community ☐ Sediment ☐ Other         
☒ 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 during yield after frack - treatment system  
bypassed (softener)

✓	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:       

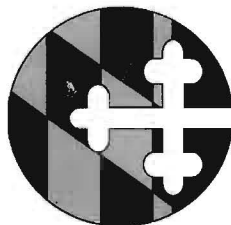
Date Reported:     /     /    

• Phone: (443) 681-3857

• Fax: (443) 681-4507

DHMH 4432 (05/15)

SUBMITTER'S COPY



State of Maryland  
Department of Health  
Laboratories Administration  
Division of Environmental Chemistry  
**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: E18000006 Date Coll.: 06/30/2017 Date Received 07/03/2017 Submitted By: Collins

Field ID: HO-94-4170  
Lab No.: E18000006001

<u>Method</u>	<u>Element</u>	<u>Result</u>	<u>Units</u>	<u>Date Analyzed</u>
EPA 200.7	Sodium	22.02	ppm	07/05/2017

### Comments:

Approved by:

*Sadia Muneer*

Approval date: 07/07/2017

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

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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



HOWARD CO ENVIRONMENTAL HLTH  
8930 STANFORD BLVD  
COLUMBIA, MD 21045

## Certificate of Analysis

Lab Project NoE18000007 Date Coll. 06/30/2017 Date Received 07/03/2017 Submitted By:Collins

Field ID: HO-94-4170  
Lab No.: E18000007001

<u>Analyte</u>	<u>Method</u>	<u>Result</u>	<u>Units</u>	<u>Date Analyzed</u>
Chloride	SM 4500-Cl E	42	mg/L	07/11/2017
Total Dissolved Solids	SM 2540C	233	mg/L	07/05/2017

### Comments:

Approved by:

Approval date: 07/12/2017

\*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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