

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

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

Sincerely,

Sah alli

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

Lab No. Date Received

Ser Report To: Bert Noon Historyd Co. Health Dept. Bureau of Environmental Health

8930 Stanford Blud.

Columbia, MD 21045

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

E1800006001 Received: 07/03/2017 Metals HO-94-4170

LABORATORY ANALYSIS REQUEST

Please Print

Sample ID No:	Ho- 94-4170 Site Name:	tomewood Cressin	g-Lot 38 County: Howard
Sample Source: _	4954 Valley View Ou Street	Town or City	olt City Collector: <u>S. Collins</u> Name
Date Collected: _	<u>6/ 30/20 17</u> Time Col	llected: <u>10</u> a.n	np.m. Phone #: 313-6287
Sample Preserved	By:□ Field □ Preservative Used:□/HN	ESRL 03	□ WMRL □ Central Lab <u>mL</u> pH: <u><2,5115,7/3/17</u>
Sample Type:	Drinking Water	□ Landfill	Source (Raw Water) Liquid
Data Category Code 🗆	□ Community □ Non-Community □ Private	□ Stream □ Sediment	□ Distribution (Treated) □ Solid □ Other
Specify Program:	□/SDWA □ NPDES □ CV	VA 🗆 RCRA 🗆	Consumer Products

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)	1	Element	Results (ppm)
5	Antimony (Sb)	nony (Sb)		Copper (Cu)	
	Arsenic (As)			Lead (Pb)	
	Barium (Ba)			Silver (Ag)	
	Beryllium (Be)	and share the second second	-	Zinc (Zn)	ne nalozani su se se se
	Cadmium (Cd)		1 mil	Aluminum (Al)	
	Chromium (Cr)			Iron (Fe)	
	Mercury (Hg)			Manganese (Mn)	
	Nickel (Ni)			Calcium (Ca)	adda (
	Selenium (Se)		N. F.Y	Magnesium (Mg)	No.
V	Sodium (Na) SHS		F	Potassium (K)	
	Thallium (Tl)			Uranium (U)	
	and the second second		1	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

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

Comments:

Xadia Approved by:

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.

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.

He B	State of Maryland Ward Co. Health Dept. DHMH-Laboratories Administration Wreaus of Environmental Health Division of Environmental Chemistry 1000000000000000000000000000000000000	E1800007001 Received: 07/03/2017 Inorganic HO-94-4170
S A M	Bottle Number HO-94-4170 Name Homewood Crossing-Lot 38C Location 4954 Valley View Overlook Ellight City	ounty Howard County Code 3
P L E I D	Collected: Date Of 30/17 Time 10 cm Collector & Phone S. Collins U CHECK (one per box) Drinking Water Image: Community Non-community Private Image: Community Private Image: Com	Emergency Routine Recheck
D F I E L D	Plant No.	ductance

CHECK TESTS	TESTS	Error Code	RESULTS
	Alkalinity (Total)	Strong de Sal II - legif h	and the Participation of the
	Ammonia - N	ANG THE AND TH	a share and a later of the
1	Chloride	Martin A.	
	Conductance*, Spec.		Sense 199 (1996) 44
~	Dissolved Solids (Total)	14 JU	Prof. Provense
	Hardness	A CALLER AND	(estado les la partita) (
1565	Fluoride		
	Nitrite, N		Line Activities Trainer The Article
	Nitrate - Nitrite, N	CTATINE MENCER LINE	and the second
	Sulfate		
	Total Solids	Martin Law Area	MoWay
	Turbidity*		
	Other:		
		and the state of t	ada a ka
1.21-219	0e=1	THE ATTE	and the second Profit
	Let the Lager State	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	and an and a state of the second
-	10-10-10-10-10-10-10-10-10-10-10-10-10-1		

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

Tests Requested

DHMH 90-A 6/15

Element 12

Section Chief_

Date Reported

SUBMITTER'S COPY



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

Field ID: HO-94-4170 Lab No.: E18000007001				
Analyte	Method	Result	Units	Date Analyzed
Chloride	SM 4500-CI E	42	mg/L	07/11/2017
Total Dissolved Solids	SM 2540C	233	mg/L	07/05/2017

Comments:

Approved by:

Huhlen andi

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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