



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

December 28, 2017

Homeowner
14665 Red Lion Dr.
Woodbine, MD 21797

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 may affect individuals on low-salt diets. The action level for sodium is 20 milligrams per liter (mg/L); **sodium from your well measured 10.67 mg/L.**

Chloride and TDS are both considered secondary contaminants, meaning high concentrations may 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 23 mg/L.** The secondary maximum contaminant level for TDS is 500 mg/L; **TDS from your well measured 120 mg/L.**

Feel free 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: File

Send Report To: Bert NixonState of Maryland
DHMH - Laboratories Administration
Division of Environmental Sciences

Lab No. Date Received

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

TRACE METALS LABORATORY

1770 Ashland Avenue
Baltimore, Maryland 21205

E18002207001

Received 12/08/2017

Metals HO-95-1534

LABORATORY ANALYSIS REQUEST

Do not write above this line

Please Print

Sample ID No: HO-95-1534 Site Name: Red Lion Estates - Lot 16 County: HowardSample Source: 14665 Red Lion Dr. Woodbine Collector: S. Collins
Street Town or City NameDate Collected: 12/7/2017 Time Collected: 2:15 a.m. / (p.m.) Phone #: 410-313-6287Sample Preserved By: ☐ Field ☐ ESRL ☐ WMRL ☐ Central LabPreservative Used: ☒ HNO₃ _____ mL pH: 2.2 84 12/08/17Sample Type: ☒ Drinking Water ☐ Landfill ☒ Source (Raw Water) ☐ Liquid
Data Category: ☐ Community ☐ Stream ☐ Distribution (Treated) ☐ Solid
Code ☐ ☐ ☐ Non-Community ☐ Sediment ☐ Other _____
☒ PrivateSpecify 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 house lab - 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>SH</u>		Potassium (K)				
	Thallium (Tl)			Silver (Ag)				

Lab Supervisor: _____

Date Reported: ____/____/____

•Phone: (443) 681-4596

•Fax: (443) 681-4507

DHMH 4432 (05/17)

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 No E18002206 Date Coll. 12/07/2017 Date Received: 12/08/2017 Submitted By: Collins

Field ID: HO-95-1534
Lab No.: E18002206001

<u>Analyte</u>	<u>Method</u>	<u>Result</u>	<u>Units</u>	<u>Date Analyzed</u>
Chloride	SM 4500-Cl E	23	mg/L	12/11/2017
Total Dissolved Solids	SM 2540C	120	mg/L	12/11/2017

Comments:

Approved by:

Approval date: 12/20/2017

*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.

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) 767-6190 and arrange for return or destruction.



State of Maryland
Department of Health
Laboratories Administration
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TRACE METALS LABORATORY
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Robert Myers, Ph.D., Director



Certificate of Analysis

HOWARD CO ENVIRONMENTAL HLTH
8930 STANFORD BLVD
COLUMBIA, MD 21045

Lab Project No: E18002207 Date Coll.: 12/07/2017 Date Received: 12/08/2017 Submitted By: S. Collins

Field ID: HO-95-1534

Lab No.: E18002207001

<u>Method</u>	<u>Element</u>	<u>Result</u>	<u>Units</u>	<u>Date Analyzed</u>
EPA 200.7	Sodium	10.67	ppm	12/11/2017

Comments:

Approved by: Yinghao Chen

Approval date: 12/11/2017

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

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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

E18002206001
Received: 12/08/2017
Inorganic HO-95-15

Do not write above this line.

SAMPLE	Bottle Number	40-95-1534	Name	Red Lion Estates - Lot 16	County	Howard	County Code	13		
	Location	14665 Red Lion Dr.	Woodbine		Data Category		Data Code	4F		
	Collected: Date	12/7/17	Time	2:15 pm	Collector & Phone	S Collins 410-313-6287	Submitter Code			
	CHECK (one per box)									
IND	<input checked="" type="checkbox"/> Drinking Water <input type="checkbox"/> Landfill <input type="checkbox"/> Stream <input type="checkbox"/> Other		<input type="checkbox"/> Community <input type="checkbox"/> Non-community <input checked="" type="checkbox"/> Private <input type="checkbox"/> Other		<input checked="" type="checkbox"/> Source (raw water) <input type="checkbox"/> Distribution (treated) <input type="checkbox"/> MCL		<input type="checkbox"/> Emergency <input checked="" type="checkbox"/> Routine <input type="checkbox"/> Reccheck <input type="checkbox"/> Special		Federal Project	S

FIELD	Plant No.	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	Sampling Station	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	Preservation: Iced <input checked="" type="checkbox"/> Acid <input type="checkbox"/>	Type of Acid <input type="text"/>				
	pH	<input type="text"/>	<input type="text"/>	<input type="text"/>	Chlorine: Free	<input type="text"/>	<input type="text"/>	Total	<input type="text"/>	<input type="text"/>	Specific Conductance	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
	Notes to Lab/Remarks: <u>Sample collected from hose bib - no treatment.</u>															

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		
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Section Chief

Date Reported _____