



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](http://www.hchealth.org)

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

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December 14, 2017

Homeowner  
13734 Briaridge Court  
Highland, MD 20777

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 6.62 mg/L before treatment and 110.6 mg/L after water softener, sediment filter, nitrate filter, soda ash chemical feeder treatment.**

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 11 mg/L before treatment and 84 mg/L after treatment.** The secondary maximum contaminant level for TDS is 500 mg/L; **TDS from your well measured 168 mg/L before treatment and 271 mg/L after treatment.**

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

Cc: File





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 NoE18002081 Date Coll. 11/27/2017 Date Received 11/28/2017 Submitted By: S Collins

Field ID: 13734 SC-B  
Lab No.: E18002081002

<u>Analyte</u>	<u>Method</u>	<u>Result</u>	<u>Units</u>	<u>Date Analyzed</u>
Chloride	SM 4500-Cl E	84	mg/L	12/01/2017
Total Dissolved Solids	SM 2540C	271	mg/L	12/01/2017

### Comments:

Approved by: *Shahla Aneli*

Approval date: 12/08/2017

\*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  
Division of Environmental Sciences  
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HOWARD CO ENVIRONMENTAL HLTH  
8930 STANFORD BLVD  
COLUMBIA, MD 21045

Lab Project NoE18002081 Date Coll. 11/27/2017 Date Received 11/28/2017 Submitted By: S Collins

Field ID: 13734 SC-A  
Lab No.: E18002081001

<u>Analyte</u>	<u>Method</u>	<u>Result</u>	<u>Units</u>	<u>Date Analyzed</u>
Chloride	SM 4500-Cl E	11	mg/L	12/01/2017
Total Dissolved Solids	SM 2540C	168	mg/L	12/01/2017

### Comments:

Approved by: \_\_\_\_\_

Approval date: 12/08/2017

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

  
**E18002080002**  
Received: 11/28/2017  
Metals 13734 SC-B

### LABORATORY ANALYSIS REQUEST

Do not write above this line

Please Print

Sample ID No: 13734 SC-B Site Name: Briaridge - lot 4 County: Howard

Sample Source: 13734 Briaridge Ct. Highland Collector: S. Collins  
Street Town or City Name

Date Collected: 11/27/2017 Time Collected: 7:30 a.m. / p.m. Phone #: 410-913-6287

Sample Preserved By:  Field  ESRL  WMRL  Central Lab  
Preservative Used:  HNO<sub>3</sub> \_\_\_\_\_ mL pH: < 2

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 from kitchen sink - sediment filter, water softener, nitrate filter, + soda ash chemical feeder 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>JK</u>			Potassium (K)				
	Thallium (Tl)			Silver (Ag)				

Lab Supervisor: \_\_\_\_\_

Date Reported: \_\_\_\_/\_\_\_\_/\_\_\_\_

•Phone: (443) 681 - 4596

•Fax: (443) 681 - 4507

DHMH 4432 (05/17)

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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: E18002080    Date Coll.: 11/27/2017    Date Received: 11/28/2017    Submitted By: Collins

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Field ID: 13734 SC-B  
 Lab No.: E18002080002

<u>Method</u>	<u>Element</u>	<u>Result</u>	<u>Units</u>	<u>Date Analyzed</u>
EPA 200.7	Sodium	110.60	ppm	12/01/2017

**Comments:**

Approved by: <u>Yungtao Choi</u>	Approval date: <u>12/04/2017</u>
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\*\*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  
DHMH - Laboratories Administration  
Division of Environmental Chemistry  
**TRACE METALS LABORATORY**  
1770 Ashland Avenue  
Baltimore, Maryland 21205

  
**E18002080001**  
Received: 11/28/2017  
Metals 13734 SC-A

Do not write above this line

### LABORATORY ANALYSIS REQUEST

Please Print

Sample ID No: 13734 SC-A Site Name: Briaridge - Lot 4 County: Howard

Sample Source: 13734 Briaridge Ct. Highland Collector: S. Collins  
Street Town or City Name

Date Collected: 11/27/2017 Time Collected: 7:30 a.m. \_\_\_\_\_ p.m. Phone #: 410-313-6257

Sample Preserved By:  Field  ESRL  WMRL  Central Lab  
Preservative Used:  HNO<sub>3</sub> \_\_\_\_\_ mL pH: 2

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 from pressure tank.

✓	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) <u>24</u>			Potassium (K)	
	Thallium (Tl)			Uranium (U)	
				Vanadium (V)	

Lab Supervisor: \_\_\_\_\_

Date Reported: \_\_\_/\_\_\_/\_\_\_

•Phone: (443) 681-3857

•Fax: (443) 681-4507



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COLUMBIA, MD 21045

Lab Project No: E18002080    Date Coll.: 11/27/2017    Date Received: 11/28/2017    Submitted By: Collins

Field ID: 13734 SC-A  
Lab No.: E18002080001

<u>Method</u>	<u>Element</u>	<u>Result</u>	<u>Units</u>	<u>Date Analyzed</u>
EPA 200.7	Sodium	6.62	ppm	12/01/2017

### Comments:

Approved by:

*Yungtao Chai*

Approval date: 12/04/2017

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