



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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October 10, 2017

Mitchell & Best  
1686 E. Gude Drive  
Rockville, MD 20850

Re: Water sample results for 12345 Point Ridge Drive

Dear Mitchell & Best,

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 16.41 mg/L untreated and 53.65 mg/L after water softener 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 15 mg/L untreated and 19 mg/L after water softener treatment.** The secondary maximum contaminant level for TDS is 500 mg/L; **TDS from your well measured 190 mg/L untreated and 192 mg/L after water softener treatment.**

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](mailto: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 Chemistry  
**TRACE METALS LABORATORY**  
1770 Ashland Avenue  
Baltimore, Maryland 21205

  
**E18000979001**  
Received: 09/07/2017  
Metals 12345 SC-A

**LABORATORY ANALYSIS REQUEST**

Please Print

Sample ID No: 12345 SC-A Site Name: Highland Reserve - Lot 7 County: Howard

Sample Source: 12345 Point Ridge Dr Fulton Collector: S. Collins  
Street Town or City Name

Date Collected: 9/6/2017 Time Collected: 11 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, 7/7/17

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 pre-treatment from pressure tank.

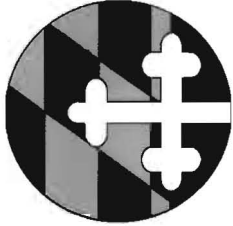
| ✓ | Element                | Results (ppm) | ✓ | Element        | Results (ppm) |
|---|------------------------|---------------|---|----------------|---------------|
|   | Antimony (Sb)          |               |   | Copper (Cu)    |               |
|   | Arsenic (As)           |               |   | 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>SHS</u> |               |   | Potassium (K)  |               |
|   | Thallium (Tl)          |               |   | Uranium (U)    |               |
|   |                        |               |   | Vanadium (V)   |               |

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

Date Reported:      /      /     

• Phone: (443) 681-3857

• 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: E18000979 Date Coll.: 09/06/2017 Date Received: 09/07/2017 Submitted By: Collins

Field ID: 12345 SC-A  
Lab No.: E18000979001

| <u>Method</u> | <u>Element</u> | <u>Result</u> | <u>Units</u> | <u>Date Analyzed</u> |
|---------------|----------------|---------------|--------------|----------------------|
| EPA 200.7     | Sodium         | 16.41         | ppm          | 09/08/2017           |

### Comments:

Approved by:

*Yinghao Chen*

Approval date: 09/13/2017

\*\*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.

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 Chemistry  
**TRACE METALS LABORATORY**  
1770 Ashland Avenue  
Baltimore, Maryland 21205

Lab No. Date Received

  
**E18000979002**  
Received: 09/07/2017  
Metals 12345 SC-B

**LABORATORY ANALYSIS REQUEST**

Please Print

Sample ID No: 12345 SC-B Site Name: Highland Reserve-Lot 7 County: Howard

Sample Source: 12345 Point Ridge Dr. Fulton Collector: S. Collins  
Street Town or City Name

Date Collected: 9/6/2017 Time Collected: 11 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, 9/7/17

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 post water softener from kitchen sink.

| ✓ | 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

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DHMH 4432 (05/15)

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Laboratories Administration  
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Robert Myers, Ph.D., Director



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COLUMBIA, MD 21045

Lab Project No: E18000979 Date Coll.: 09/06/2017 Date Received: 09/07/2017 Submitted By: Collins

Field ID: 12345 SC-B  
Lab No.: E18000979002

| <u>Method</u> | <u>Element</u> | <u>Result</u> | <u>Units</u> | <u>Date Analyzed</u> |
|---------------|----------------|---------------|--------------|----------------------|
| EPA 200.7     | Sodium         | 53.65         | ppm          | 09/08/2017           |

### Comments:

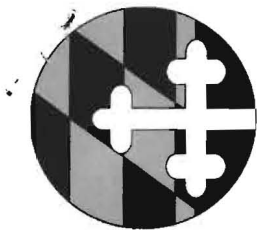
Approved by: Yungtao Choi

Approval date: 09/13/2017

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## Certificate of Analysis

HOWARD CO ENVIRONMENTAL HLTH  
8930 STANFORD BLVD  
COLUMBIA, MD 21045

Lab Project NoE18000980 Date Coll. 09/06/2017 Date Received 09/07/2017 Submitted By:Collins

Field ID: 12345 SC-A  
Lab No.: E18000980001

| <u>Analyte</u>         | <u>Method</u> | <u>Result</u> | <u>Units</u> | <u>Date Analyzed</u> |
|------------------------|---------------|---------------|--------------|----------------------|
| Chloride               | SM 4500-Cl E  | 15            | mg/L         | 09/11/2017           |
| Total Dissolved Solids | SM 2540C      | 190           | mg/L         | 09/13/2017           |

### Comments:

Approved by:

*Shabba A. Ali*

Approval date: 09/25/2017

\*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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8930 STANFORD BLVD  
COLUMBIA, MD 21045

Lab Project NoE18000980 Date Coll. 09/06/2017 Date Received 09/07/2017 Submitted By:Collins

Field ID: 12345 SC-B  
Lab No.: E18000980002

| <u>Analyte</u>         | <u>Method</u> | <u>Result</u> | <u>Units</u> | <u>Date Analyzed</u> |
|------------------------|---------------|---------------|--------------|----------------------|
| Chloride               | SM 4500-Cl E  | 19            | mg/L         | 09/11/2017           |
| Total Dissolved Solids | SM 2540C      | 192           | mg/L         | 09/13/2017           |

### Comments:

Approved by:

Approval date: 09/25/2017

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