



# HOWARD COUNTY HEALTH DEPARTMENT

62386

DATE 1/14/18

605

Received From

Michael Barton

PHONE #

408-386-910

Well Driller

For

well permit/1690

woodstock Rd.

☐ CASH  
☒ CHECK

NO.

3224

One hundred sixty

Dollars

\$

160.00

Received By

J King

---

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

**MEMORANDUM**

**TO:** Howard County Health Department

**FROM:** **Joseph Cabahug**  
Licensed Environmental Health Specialist **001997**  
Howard County Health Department  
**Well & Septic Program**

**RE:** 1690 Woodstock Road\_Expired Permit

**DATE:** October 16<sup>th</sup>, 2019

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The Permit for (HO-17-0216) has expired on 01/04/2019 without construction of the well.

**Please Note:**

The existing well serving the house is a hand dug well that has elevated levels of sodium, chloride, and total dissolved solids that exceed the MCL for secondary contaminants.

A final memorandum was sent on 10/16/2019 reiterating that any water treatment backwash generated must be disposed of in a subsurface disposal system.

B 1	55289	SEQUENCE NO. (MDE USE ONLY)	STATE OF MARYLAND APPLICATION FOR PERMIT TO DRILL WELL please type	STATE PERMIT NUMBER <b>H0-17-0216</b> <small>fill in this form completely</small>
Date Received (APA) <b>01/04/18</b> <small>8 MM DD YY 13</small>		OWNER INFORMATION		
Last Name <b>GRANU</b>		Owner First Name <b>Bernard</b>		
Street or RFD <b>1690 Woodstock Road</b>		Town <b>Woodstock, MD</b>		
Zip <b>21163</b>				
DRILLER INFORMATION		LOCATION OF WELL		
Driller's Name <b>Michael Bartow MW 0355</b>		COUNTY <b>Howard</b>		
Firm Name <b>Bartow Well Drilling</b>		SUBDIVISION <b>WOODSTOCK</b>		
Address <b>522 Underwood Lane 211014</b>		SECTION <b>44 46</b> LOT <b>48 50</b>		
Signature <i>[Signature]</i>		NEAREST TOWN <b>WOODSTOCK</b>		
Date <b>12/20/17</b>				
B 2 WELL INFORMATION		B 4 SOURCES OF DRILLING WATER		
APPROX. PUMPING RATE (GAL. PER MIN.) <b>3</b>		1. <b>Well</b>		
AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) <b>750</b>		2. <i>[scribble]</i>		
		3. <i>[scribble]</i>		
USE FOR WATER (CIRCLE APPROPRIATE BOX)		1690 WOODSTOCK RD STREET ADDRESS		
<input checked="" type="radio"/> DOMESTIC POTABLE SUPPLY & RESIDENTIAL IRRIGATION		ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)		
<input type="radio"/> FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION)		NORTH WEST EAST SOUTH		
<input type="radio"/> INDUSTRIAL, COMMERCIAL, DEWATERING		DISTANCE FROM ROAD <b>600</b>		
<input type="radio"/> PUBLIC WATER SUPPLY WELL		ENTER FT OR MI <b>FT</b>		
<input type="radio"/> TEST, OBSERVATION, MONITORING		TAX MAP: <b>10</b> BLK: <b>18</b> PARCEL: <b>134</b>		
<input type="radio"/> OPEN LOOP GEOTHERMAL				
<input type="radio"/> CLOSED LOOP GEOTHERMAL		NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL		
RECEIVED JAN 02 2018 HARFORD COUNTY HEALTH DEPT ENVIRONMENTAL HEALTH		COUNTY NAME <b>HOWARD</b>		
		COUNTY NO. <b>41</b>		
		STATE SIGNATURE <i>[Signature]</i>		
		DATE ISSUED <b>01/04/18</b>		
		CO SIGNATURE <i>[Signature]</i>		
		EXP. DATE <b>01/04/18</b>		
APPROXIMATE DEPTH OF WELL <b>300</b> FEET		PROPOSED LOCATION OF WELL ON LOT SHOW PERMANENT STRUCTURES SUCH AS BUILDINGS, SEPTIC SYSTEM, ROADS AND/OR LANDMARKS AND INDICATE NOT LESS THAN TWO DISTANCE MEASUREMENTS TO WELL		
APPROXIMATE DIAMETER OF WELL <b>6</b> INCH		METHODOLOGY OF DRILLING (circle one)		
		BORED (or Augered) <input type="radio"/> JETTED <input type="radio"/> Jettied & DRIVEN <input type="radio"/>		
		AIR-ROTARY <input type="radio"/> AIR-PERCussion <input checked="" type="radio"/> ROTARY (Hydraulic Rotary) <input type="radio"/>		
		CABLE <input type="radio"/> Reverse-ROTARY <input type="radio"/> Drive-POINT <input type="radio"/>		
		other <input type="radio"/>		
REPLACEMENT OR DEEPEINED WELLS (CIRCLE APPROPRIATE BOX)		REPLACEMENT OR DEEPEINED WELLS		
<input type="radio"/> THIS WELL WILL NOT REPLACE AN EXISTING WELL				
<input checked="" type="radio"/> THIS WELL WILL REPLACE A WELL THAT WILL BE ABANDONED AND SEALED				
<input type="radio"/> THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY-CONTACT LOCAL APPROVING AUTHORITY FOR POLICY ON STANDBY WELLS				
<input type="radio"/> THIS WELL WILL DEEPEIN AN EXISTING WELL				
PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEINED (IF AVAILABLE) <b>41</b>				
Not to be filled in by driller (MDE OR COUNTY USE ONLY)				
APPROP. PERMIT NUMBER <b>G</b>				
PERMIT No. <b>H0-17-0216</b>				
SPECIAL CONDITIONS		Pursuant to § 10-624 of the State Govt. Article of the Maryland Code, personal info requested on this form is used in processing this form pursuant to COMAR 26.04.04. Failure to provide the info may result in this form not being processed. You have the right to inspect, amend, or correct this form. The Maryland Department of the Environment is subject to the Maryland Public Information Act. This form may be made available on the Internet via MDE's website and is subject to inspection or copying, in whole or in part, by the public and other governmental agencies, if not protected by federal or State Law.		
NOTE: APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED		Radium, sodium, chloride, TDS samples required.		

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

**MEMORANDUM**

**TO:** Bernard Gainer, Nalan Gainer  
1690 Woodstock Road  
Woodstock, MD 21163

**FROM:** **Joseph Cabahug**  
Licensed Environmental Health Specialist **001997**  
Howard County Health Department  
**Well & Septic Program**

*je 10/16/2019*

**RE:** Expired Well Permit – (HO-17-0261)

**DATE:** October 16<sup>th</sup> 2019

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Dear Homeowner,

Please be advised that your well permit to replace the hand dug well with elevated Sodium, Chloride, and Total Dissolved solids has expired as of January 4<sup>th</sup>, 2019.

Given the elevated levels of sodium, chloride, and total dissolved solids, 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.

Cc: file; Michael Barlow Well Drilling ([misom@mbwd.us](mailto:misom@mbwd.us))

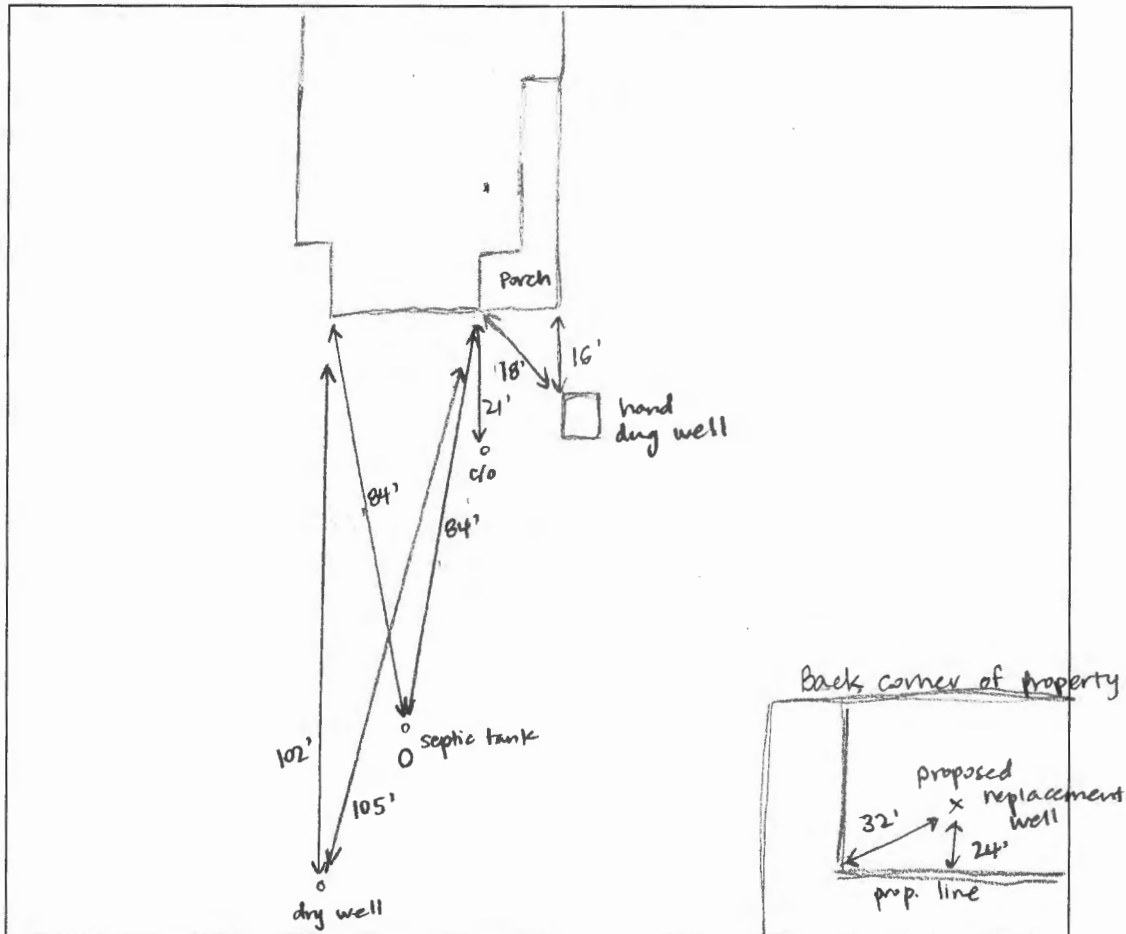
## FILE INQUIRY NOTES

[illegible]

SITE INSPECTION SHEET

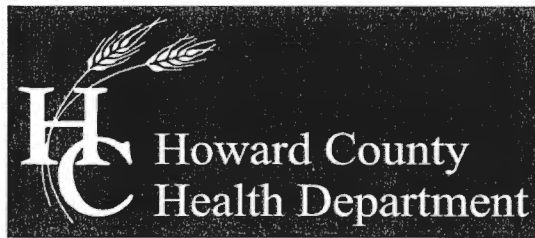
OWNER: Gainer PHONE #: \_\_\_\_\_  
ADDRESS: 1690 Woodstock Rd CONTRACTOR: Barlow Well Drilling  
WELL TAG #: \_\_\_\_\_  
SUBDIVISION: \_\_\_\_\_ LOT: \_\_\_\_\_ COUNTY #: \_\_\_\_\_  
PROPOSAL: Drill a replacement well - homeowners have salty-tasting water. Well will be at rear of property.

LOCATION DIAGRAM



COMMENTS: Homeowners/driller will need to obtain permission from neighbor @ 1694 Woodstock Rd to bring rig across property.

DATE: 11/6/17 INSPECTOR: Sarah Collins



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

November 28, 2017

Homeowner  
1690 Woodstock Road  
Woodstock, MD 21163

Dear Homeowner,

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 131.12 mg/L untreated, 226.15 mg/L after water softener treatment, and 407.80 mg/L after water softener and reverse osmosis 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 your well measured 197 mg/L untreated, 304 mg/L after water softener treatment, and 559 mg/L after water softener and reverse osmosis treatment.** The secondary maximum contaminant level for TDS is 500 mg/L; **TDS from your well measured 726 mg/L untreated, 672 mg/L after water softener treatment, and 1136 mg/L after water softener and reverse osmosis treatment.**

We would expect to see lower levels of these secondary contaminants after reverse osmosis treatment. The system may not be working optimally and you may want to consult a water treatment company.

Given the elevated levels of sodium, chloride, and TDS 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.

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

Lab No. Date Received

  
**E18001859001**  
Received: 11/07/2017  
Metals 1690 SC-A

## LABORATORY ANALYSIS REQUEST

Do not write above this line

Please Print

Sample ID No: 1690 SC-A Site Name: Gainer Prop. County: Howard

Sample Source: 1690 Woodstock Rd. Woodstock Collector: S. Collins  
Street Town or City Name

Date Collected: 11/6/2017 Time Collected: 11:45 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

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	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>24</u>		Potassium (K)				
	Thallium (Tl)			Silver (Ag)				

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

Date Reported: NOV 21 2017

•Phone: (443) 681 - 4596

•Fax: (443) 681 - 4507

DHMH 4432 (05/17)

SUBMITTER'S COPY

RECEIVED  
HOWARD COUNTY HEALTH DEPT.  
COMMUNITY HYGIENE PROGRAM





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: E18001859    Date Coll.: 11/06/2017    Date Received: 11/07/2017    Submitted By: S. Collins

Field ID: 1690 SC-A  
Lab No.: E18001859001

<u>Method</u>	<u>Element</u>	<u>Result</u>	<u>Units</u>	<u>Date Analyzed</u>
EPA 200.7	Sodium	131.12	ppm	11/13/2017

### Comments:

Approved by: Yungtao Choi

Approval date: 11/14/2017

\*\*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.

Telephone: (443) 681 - 3853

Fax: (443) 681-4507

S:\EnviroFinal-Metals.rpt

Send Report To: Bert Nixon

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

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

Lab No. Date Received



**E18001859002**

Received: 11/07/2017

Metals 1690 SC-B

DO NOT WRITE ABOVE THIS LINE

## LABORATORY ANALYSIS REQUEST

Please Print

Sample ID No: 1690 SC-B Site Name: Gainer Prop. County: Howard

Sample Source: 1690 Woodstock Rd. Woodstock Collector: S. Collins  
Street Town or City Name

Date Collected: 11/6/2017 Time Collected: 11:45 a.m. p.m. Phone #: 410-313-6287  
85-11-07-17

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 - water softener.

✓	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)				

RECEIVED

NOV 21 2017

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

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

•Phone: (443) 681 - 4596

•Fax: (443) 681 - 4507

DHMH 4432 (05/17)

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Department of Health  
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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: E18001859    Date Coll.: 11/06/2017    Date Received: 11/07/2017    Submitted By: S. Collins

Field ID: 1690 SC-B  
Lab No.: E18001859002

<u>Method</u>	<u>Element</u>	<u>Result</u>	<u>Units</u>	<u>Date Analyzed</u>
EPA 200.7	Sodium	226.15	ppm	11/13/2017

### Comments:

Approved by: Yingfeng Choi

Approval date: 11/14/2017

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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**

Lab No.      Date Received



**F18001859003**

Received: 11/07/2017

Metals 1690 SC-C

## LABORATORY ANALYSIS REQUEST

## Please Print

Sample ID No: 1690 SC-C Site Name: Gainer Prop. County: Howard

Sample Source: 1690 Woodstock Rd. Woodstock Collector: S. Collins  
Street Town or City Name

Date Collected: 11/6/2017 Time Collected: 11:45 a.m./p.m. Phone #: 410-313-6257

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

Preservative Used: ☒  $\text{HNO}_3$  \_\_\_\_\_ 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 - water softener + point-of-use RO

✓	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)	24		Potassium (K)				
	Thallium (Tl)			Silver (Ag)				

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

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

●Phone: (443) 681-4596

•Fax: (443) 681-4507

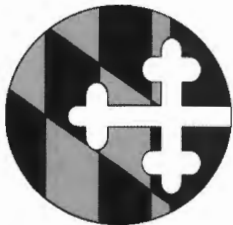
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## Certificate of Analysis

HOWARD CO ENVIRONMENTAL HLTH  
8930 STANFORD BLVD  
COLUMBIA, MD 21045

Lab Project No: E18001859    Date Coll.: 11/06/2017    Date Received: 11/07/2017    Submitted By: S. Collins

Field ID: 1690 SC-C  
Lab No.: E18001859003

<u>Method</u>	<u>Element</u>	<u>Result</u>	<u>Units</u>	<u>Date Analyzed</u>
EPA 200.7	Sodium	407.80	ppm	11/13/2017

### Comments:

Approved by: Yingfeng Chen

Approval date: 11/14/2017

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

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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**



**E18001853001**

Received: 11/07/2017

Inorganic

1690-SC-A

## WATER ANALYSIS

SAMPLE ID	Bottle Number	1690SC-A	Name	Gainer Prop.	County	Howard	County Code	13																															
	Location	1690 Woodstock Rd.		Woodstock			Data Category Code	4F																															
	Collected: Date	11/6/17	Time	11:45 am	Collector & Phone	S. Collins 410-313-0287	Submitter Code																																
	CHECK (one per box) <table border="1"> <tr> <td>Drinking Water</td> <td><input checked="" type="checkbox"/></td> <td>Community</td> <td><input type="checkbox"/></td> <td>Source (raw water)</td> <td><input checked="" type="checkbox"/></td> <td>Emergency</td> <td><input type="checkbox"/></td> </tr> <tr> <td>Landfill</td> <td><input type="checkbox"/></td> <td>Non-community</td> <td><input type="checkbox"/></td> <td>Distribution (treated)</td> <td><input type="checkbox"/></td> <td>Routine</td> <td><input checked="" type="checkbox"/></td> </tr> <tr> <td>Stream</td> <td><input type="checkbox"/></td> <td>Private</td> <td><input checked="" type="checkbox"/></td> <td>MCL</td> <td><input type="checkbox"/></td> <td>Recheck</td> <td><input type="checkbox"/></td> </tr> <tr> <td>Other</td> <td><input type="checkbox"/></td> <td>Other</td> <td><input type="checkbox"/></td> <td></td> <td></td> <td>Special</td> <td><input type="checkbox"/></td> </tr> </table>								Drinking Water	<input checked="" type="checkbox"/>	Community	<input type="checkbox"/>	Source (raw water)	<input checked="" type="checkbox"/>	Emergency	<input type="checkbox"/>	Landfill	<input type="checkbox"/>	Non-community	<input type="checkbox"/>	Distribution (treated)	<input type="checkbox"/>	Routine	<input checked="" type="checkbox"/>	Stream	<input type="checkbox"/>	Private	<input checked="" type="checkbox"/>	MCL	<input type="checkbox"/>	Recheck	<input type="checkbox"/>	Other	<input type="checkbox"/>	Other	<input type="checkbox"/>			Special
Drinking Water	<input checked="" type="checkbox"/>	Community	<input type="checkbox"/>	Source (raw water)	<input checked="" type="checkbox"/>	Emergency	<input type="checkbox"/>																																
Landfill	<input type="checkbox"/>	Non-community	<input type="checkbox"/>	Distribution (treated)	<input type="checkbox"/>	Routine	<input checked="" type="checkbox"/>																																
Stream	<input type="checkbox"/>	Private	<input checked="" type="checkbox"/>	MCL	<input type="checkbox"/>	Recheck	<input type="checkbox"/>																																
Other	<input type="checkbox"/>	Other	<input type="checkbox"/>			Special	<input type="checkbox"/>																																
								Federal Project	S																														

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

[illegible]

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

Number of Tests Requested	
------------------------------	--

Section Chief

Date Reported \_\_\_\_\_





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 NoE18001853 Date Coll. 11/06/2017 Date Received 11/07/2017 Submitted By: S. Collins

Field ID: 1690-SC-A  
Lab No.: E18001853001

<u>Analyte</u>	<u>Method</u>	<u>Result</u>	<u>Units</u>	<u>Date Analyzed</u>
Chloride	SM 4500-Cl E	297	mg/L	11/14/2017
Total Dissolved Solids	SM 2540C	726	mg/L	11/09/2017

### Comments:

Approved by:

Approval date: 11/21/2017

\*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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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**



E18001853002

Received: 11/07/2017

Inorganic 1690-SC-B

SAMPLE ID	Bottle Number	1690 SC-B	Name	Gainer Prop.	County	Howard	County Code	13
	Location	1690 Woodstock Rd.	Woodstock				Data Category Code	4F
	Collected: Date	11/6/17	Time	11:45 am	Collector & Phone	S. Collings 410-313-6287	Submitter Code	
	CHECK (one per box)							
	Drinking Water	<input checked="" type="checkbox"/>	Community	<input type="checkbox"/>	Source (raw water)	<input checked="" type="checkbox"/>	Emergency	<input type="checkbox"/>
	Landfill	<input type="checkbox"/>	Non-community	<input type="checkbox"/>	Distribution (treated)	<input type="checkbox"/>	Routine	<input checked="" type="checkbox"/>
	Stream	<input type="checkbox"/>	Private	<input checked="" type="checkbox"/>	MCL	<input type="checkbox"/>	Recheck	<input type="checkbox"/>
	Other	<input type="checkbox"/>	Other	<input type="checkbox"/>			Special	<input type="checkbox"/>
					Federal Project			

FIELD	Plant No.	<div></div> <div></div> <div></div> <div></div>	Sampling Station	<div></div> <div></div> <div></div> <div></div>	Preservation: Iced	<input checked="" type="checkbox"/> Acid	<input type="checkbox"/> Type of Acid	
	pH	<div></div> <div></div> <div></div>	Chlorine: Free	<div></div> <div></div>	Total	<div></div> <div></div>	Specific Conductance	<div></div> <div></div> <div></div> <div></div> <div></div>
	Notes to Lab/Remarks: <u>Sample collected from kitchen sink - water softener.</u>							

[illegible]

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

Number of Tests Requested	
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Section Chief \_\_\_\_\_

Date Reported \_\_\_\_\_



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 NoE18001853 Date Coll. 11/06/2017 Date Received 11/07/2017 Submitted By:S. Collins

Field ID: 1690-SC-B  
Lab No.: E18001853002

<u>Analyte</u>	<u>Method</u>	<u>Result</u>	<u>Units</u>	<u>Date Analyzed</u>
Chloride	SM 4500-Cl E	304	mg/L	11/14/2017
Total Dissolved Solids	SM 2540C	672	mg/L	11/09/2017

### Comments:

Approved by:

Approval date: 11/21/2017

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State of Maryland  
MDH-Laboratories Administration  
Division of Environmental Sciences  
INORGANICS ANALYTICAL LABORATORY  
1770 Ashland Avenue  
Baltimore, Maryland 21205  
**WATER ANALYSIS**

  
**E18001853003**  
Received: 11/07/2017  
Inorganic 1690-SC-C

S A M P L E  I D	Bottle Number	1690 SC-C	Name	Gainer Prop	County	Howard	County Code	113
	Location	1690 Woodstock Rd.	Woodstock				Data Category Code	41F
	Collected: Date	11/6/17	Time	11:45 am	Collector & Phone	S. Collins 410-313-6287	Submitter Code	
	CHECK (one per box)							
	Drinking Water <input checked="" type="checkbox"/>	Community <input type="checkbox"/>	Source (raw water) <input checked="" type="checkbox"/>	Emergency <input type="checkbox"/>	Routine <input checked="" type="checkbox"/>	Recheck <input type="checkbox"/>	Special <input type="checkbox"/>	Federal Project <input type="checkbox"/>

F I E L D	Plant No.		Sampling Station		Preservation: Iced <input checked="" type="checkbox"/>	Type of Acid	
	pH		Chlorine: Free		Total		Specific Conductance
	Notes to Lab/Remarks: Sample collected from Kitchen sink - water softener + point-of-use RO						

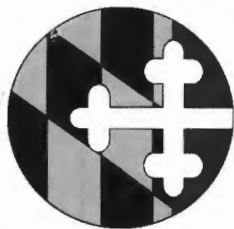
CHECK TESTS	TESTS	Error Code	RESULTS
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	Ammonia - N		
	Chloride		
	Conductance*, Spec.		
✓	Dissolved Solids (Total)		
	Hardness		
	Fluoride		
	Nitrite, N		
	Nitrate - Nitrite, N		
	Sulfate		
	Total Solids		
	Turbidity*		
	Other:		

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

Number of Tests Requested

Section Chief

Date Reported



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 NoE18001853 Date Coll. 11/06/2017 Date Received 11/07/2017 Submitted By:S. Collins

Field ID: 1690-SC-C  
Lab No.: E18001853003

<u>Analyte</u>	<u>Method</u>	<u>Result</u>	<u>Units</u>	<u>Date Analyzed</u>
Chloride	SM 4500-Cl E	559	mg/L	11/14/2017
Total Dissolved Solids	SM 2540C	1136	mg/L	11/09/2017

### Comments:

Approved by:

Approval date: 11/21/2017

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