



<b>B 1</b>	SEQUENCE NO. (MDE USE ONLY) <b>56869</b>	<b>STATE OF MARYLAND</b> <b>APPLICATION FOR PERMIT TO DRILL WELL</b> please type	STATE PERMIT NUMBER <b>140-17-0215</b> <small>70 fill in this form completely 79</small>
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**OWNER INFORMATION**

Date Received (APA) **01/04/18**

8 MM DD YY 13

15 Last Name **Sibilia** Owner First Name **Joe** 34

36 Street or RFD **4460 Rt 97** 55

57 Town **Brookville md** 70 State **md** 72 Zip **20833** 76

**B 3 LOCATION OF WELL**

Howard

8 COUNTY **Howard** 21

23 SUBDIVISION \_\_\_\_\_ 42

SECTION **44** 46 LOT **48** 50

52 NEAREST TOWN **Brookville** 71

**DRILLER INFORMATION**

Allen Compton **M S D 009**

Driller's Name 76 License No. 81

Firm Name **Fogles Well Drilling, LLC**

Address **P.O. Box 202 Woodbine md 21797**

Signature **Allen Compton** Date **1-3-18**

**B 4 SOURCES OF DRILLING WATER**

1. well water 11 STREET ADDRESS **4460 Route 97** 30

2. \_\_\_\_\_

3. \_\_\_\_\_

ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)

34 **55** 37

DISTANCE FROM ROAD ENTER FT OR MI **FT** 38 39

TAX MAP: **0027** BLK: **0001** PARCEL **0002**

**B 2 WELL INFORMATION**

APPROX. PUMPING RATE **5**

(GAL. PER MIN.) 8 12

AVERAGE DAILY QUANTITY NEEDED **500**

(GAL. PER DAY) 14 20

**USE FOR WATER (CIRCLE APPROPRIATE BOX)**

DOMESTIC POTABLE SUPPLY & RESIDENTIAL IRRIGATION

FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION)

22  INDUSTRIAL, COMMERCIAL, DEWATERING

PUBLIC WATER SUPPLY WELL

TEST, OBSERVATION, MONITORING

OPEN LOOP GEOTHERMAL

CLOSED LOOP GEOTHERMAL

**NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL**

Howard **(13)**

COUNTY NAME COUNTY NO.

STATE SIGNATURE \_\_\_\_\_ INSERT S →

DATE ISSUED **1/8/18** **S.H. Gill** **1/8/19**

43 MM DD YY 48 CO SIGNATURE EXP. DATE

**DNI**

Don: 1/23/18 @ DOG: 1/25/18 @ DOT: 1/25/18 @

APPROXIMATE DEPTH OF WELL **300** FEET

24 28

APPROXIMATE DIAMETER OF WELL **6** INCH

NEAREST INCH

**METHOD OF DRILLING (circle one)**

BORED (or Augered) JETTED Jetted & DRIVEN

30 AIR-ROTARY AIR-PERCussion ROTARY (Hydraulic Rotary)

37 CABLE REVERSE-ROTARY DRIVE-POINT

other \_\_\_\_\_

**REPLACEMENT OR DEEPEMED WELLS (CIRCLE APPROPRIATE BOX)**

THIS WELL WILL NOT REPLACE AN EXISTING WELL

THIS WELL WILL REPLACE A WELL THAT WILL BE ABANDONED AND SEALED

39  THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY-CONTACT LOCAL APPROVING AUTHORITY FOR POLICY ON STANDBY WELLS

THIS WELL WILL DEEPEM AN EXISTING WELL

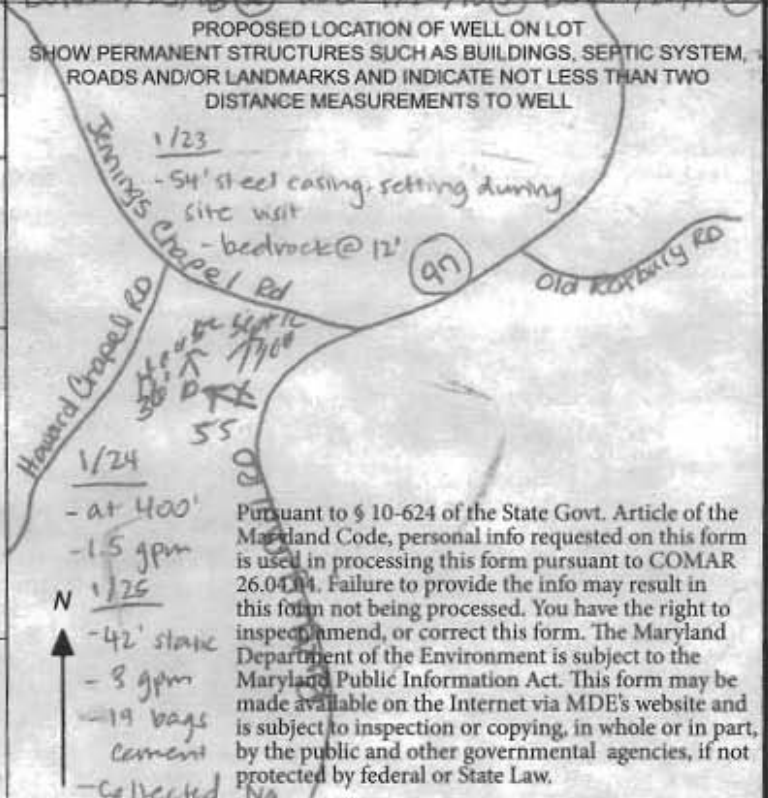
PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE) 41 \_\_\_\_\_ 52

**Not to be filled in by driller (MDE OR COUNTY USE ONLY)**

APPROP. PERMIT NUMBER \_\_\_\_\_ **G** \_\_\_\_\_

PERMIT No. **140-17-0215**

70 71 72 73 74 75 76 77 78 79



**SPECIAL CONDITIONS**

NOTE: APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED

**50' steel casing req'd. or 10' into bedrock - whichever is deeper. Existing well must be sealed.**

Na, Ct, TDS, + VOC samples COUNTY required.



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

March 20, 2018

Homeowner  
4460 Route 97  
Brookeville, MD 20833

RE: **Replacement Well Sampling**  
4460 Route 97  
#HO-17-0215

Dear Homeowner,

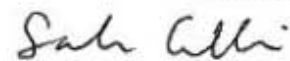
According to our records, your replacement well has been connected to the dwelling. We request that you contact the Community Hygiene Program at **(410) 313-1773** to schedule initial water sampling for the above referenced replacement well, as required by the Maryland Well Construction Regulation (*COMAR 26.04.04*). This sampling includes testing for bacteria, nitrates, turbidity, and sand. There is currently **no charge** for the sampling and it is to your benefit to have it tested.

Sampling of the new well should be collected from the primary indoor drinking tap, but if suitable scheduling is not possible, the sample may be taken from an outside tap to complete your sampling obligation. However, the potential for unsuccessful sample results increases when samples are collected from taps exposed to the outside environment.

The Health Department never inspected the well line connection to the house. The driller was in contact with you and said that it was connected by a private contractor. Please have the contractor fill out the top portion of the attached form describing the materials used in the connection and return to the Health Department.

Feel free to contact me with any questions.

Sincerely,



Sarah Collins, L.E.H.S.  
Howard County Health Department  
[SCollins@howardcountymd.gov](mailto:SCollins@howardcountymd.gov)  
410-313-6287

*Cc: Community Hygiene Program  
File*

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

March 22, 2018

Homeowner  
4460 Route 97  
Brookeville, MD 20833

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 may affect individuals on low-salt diets. The action level for sodium is 20 milligrams per liter (mg/L); **sodium from your well measured 96.11 mg/L.**

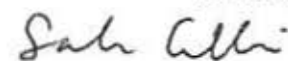
Chloride and TDS are both considered secondary contaminants, meaning high concentrations may affect taste, color, odor, or corrosive properties of water but present no risk to health. The secondary maximum contaminant level for chloride is 250 mg/L; **chloride from your well measured 279 mg/L.** The secondary maximum contaminant level for TDS is 500 mg/L; **TDS from your well measured 562 mg/L**

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.

Volatile organic compound (VOC) samples were collected on 1/25/18. Results from the sampling showed the presence of certain contaminants, but none were above the maximum contaminant level (MCL). With respect to the parameters and guidelines of the EPA National Primary Drinking Water Regulations, the well water supply is currently safe for all uses.

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



E18002668001

Received: 01/26/2018

Metals

HO-17-0215

### LABORATORY ANALYSIS REQUEST

Do not write above this line

Please Print

*Digest*

Sample ID No: HO-17-0215 Site Name: Sibilia Prop. County: Howard

Sample Source: 4460 Rt. 97 Brookville Collector: S. Collins  
Street Town or City Name

Date Collected: 1/25/2018 Time Collected: 9<sup>12</sup> a.m. Phone #: 410-313-6287

Sample Preserved By:  Field  ESRL  WMRL  Central Lab  
Preservative Used:  HNO<sub>3</sub> \_\_\_\_\_ mL pH: <2, SHS, 112618

Sample Type:  Drinking Water  Landfill  Source (Raw Water)  Liquid  
Data Category:  Community  Stream  Distribution (Treated)  Solid  
Code  Non-Community  Sediment  Other \_\_\_\_\_  
4F  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: Yield test.

✓	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)	SHS		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  
**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: E18002668 Date Coll.: 01/25/2018 Date Received: 01/26/2018 Submitted By: Collins

Field ID: HO-17-0215  
Lab No.: E18002668001

<u>Method</u>	<u>Element</u>	<u>Result</u>	<u>Units</u>	<u>Date Analyzed</u>
EPA 200.7	Sodium	96.11	ppm	01/31/2018

### Comments:

Approved by: Yinfeng Chai

Approval date: 02/01/2018

\*\*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

State of Maryland  
DHMH - Laboratories Administration  
Division of Environmental Chemistry

Temperature Blank: \_\_\_\_\_ °C

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

ORGANICS ANALYTICAL LABORATORY  
1770 Ashland Avenue  
BALTIMORE, MARYLAND 21205

LABORATORY ANALYSIS REQUEST FORM

Please write legibly

Bottle No.: H0170215-A  
H0170215-B

Plant/Site Name: Sibilia Property

County: Howard

Location: H0-17-0215

Sample Source: 4460 Rt. 97 Brookville  
Street Town or City

Collector/ID: S. Collins

Phone No.: 410-313-6257

013  
County

System No.

PWSID

Plant No.

1/25/2018  
Date Collected

12:45 pm  
9 am/pm  
Time Collected

Field Data: pH \_\_\_\_\_ Free Cl: \_\_\_\_\_ Total Cl: \_\_\_\_\_

Sample Type:  Drinking water  Landfill  Source (water)  Oil  
 Private  Stream  Distribution (treated)  Solid \_\_\_\_\_  
 Community  Soil/Sediment  Water Treatment Plant POE  Other \_\_\_\_\_  
 Non-Community

Specify Program:  SDWA  NPDES  RCRA  CWA  CERCLA  Consumer Products  
 Other \_\_\_\_\_

Test Requested	Field & Trip Blank	Preservative Used	Comment
<input type="checkbox"/> EPA Method 504.1 (EDB/DBCP)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 508 [Aroclors (SCAN only) & Toxaphene]	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 515.3 (Herbicides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 515.4 (Herbicides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium sulfite	
<input type="checkbox"/> EPA Method 525.2 (Pesticides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> HCL (6N) <input type="checkbox"/> Sodium sulfite	
<input type="checkbox"/> EPA Method 531.2 (Carbamates)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Potassium Citrate monobasic <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 552.2 (Haloacetic acids)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Ammonium chloride	
<input type="checkbox"/> EPA Method 8270 (Semi-Volatiles) <input type="checkbox"/> Pesticides <input type="checkbox"/> Aroclors	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input checked="" type="checkbox"/> EPA Method 524.2 (Volatiles) <input checked="" type="checkbox"/> VOCS <input type="checkbox"/> THMs	<input type="checkbox"/> Field Blank <input checked="" type="checkbox"/> Trip Blank	<input checked="" type="checkbox"/> 1:1 HCL <input type="checkbox"/> 1:1 HCL + Ascorbic acid <input type="checkbox"/> Sodium thiosulfate	FB-1 H0170215 FB-1 FB-2 H0170215 FB-2 Trip H0170215T
<input type="checkbox"/> EPA Method 8260 (VOCs)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> 1:1 HCL <input type="checkbox"/> 1:1 HCL + Ascorbic acid	

E18002670001  
Received: 01/26/2018 EPA 524.2  
Trace Organics H0170215

E18002670002  
Received: 01/26/2018 EPA 524.2  
Trace Organics H0170215F1

E18002670003  
Received: 01/26/2018 EPA 524.2  
Trace Organics H0170215T1

Blank boxes for additional information or signatures.

Remarks: \_\_\_\_\_

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

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

•Phone: (443) 681-3857 •Fax: (443) 681-4507

SUBMITTER'S COPY



## Certificate of Analysis

HOWARD CO ENVIRONMENTAL HLTH  
8930 STANFORD BLVD  
COLUMBIA, MD 21045

Lab. No: E18002670003

Method: EPA 524.2 VOCs and THMs

Date Received: 01/26/2018  
Field ID: H0170215TB

Date Collected: 01/25/2018  
Submitted By: S.Collins

Date Analyzed: 02/01/2018

<u>Contaminant</u>	<u>RL</u>	<u>MCL</u>	<u>Result</u>	<u>Contaminant</u>	<u>RL</u>	<u>MCL</u>	<u>Result</u>
<b>REGULATED</b>				2-Chlorotoluene	0.5		ND
1,1,1-Trichloroethane	0.5	200	ND	4-Chlorotoluene	0.5		ND
1,1,2-Trichloroethane	0.5	5	ND	Bromobenzene	0.5		ND
1,1-Dichloroethane	0.5	7	ND	Bromochloromethane	0.5		ND
1,2,4-Trichlorobenzene	0.5	70	ND	Bromomethane	0.5		ND
1,2-Dichlorobenzene	0.5	600	ND	Chloroethane	0.5		ND
1,2-Dichloroethane	0.5	5	ND	Chloromethane	0.5		ND
1,2-Dichloropropane	0.5	5	ND	cis-1,3-Dichloropropene	0.5		ND
1,4-Dichlorobenzene	0.5	75	ND	Dibromomethane	0.5		ND
Benzene	0.5	5	ND	Dichlorodifluoromethane	0.5		ND
Carbon Tetrachloride	0.5	5	ND	Ethyl-tert-Butyl Ether (ETBE)	0.5		ND
Chlorobenzene	0.5	100	ND	Hexachlorobutadiene	0.5		ND
cis-1,2-Dichloroethane	0.5	70	ND	Isopropylbenzene	0.5		ND
Ethylbenzene	0.5	700	ND	Methyl-tert-Butyl Ether (MTBE)	0.5		ND
m+p-Xylene	1.0		ND	Naphthalene	0.5		ND
Methylene Chloride	0.5	5	0.57	n-Butylbenzene	0.5		ND
o-Xylene	0.5		ND	n-Propylbenzene	0.5		ND
Styrene	0.5	100	ND	p-Isopropyltoluene	0.5		ND
Tetrachloroethane	0.5	5	ND	sec-Butylbenzene	0.5		ND
Toluene	0.5	1000	ND	tert-Amyl Methyl Ether (TAME)	0.5		ND
Total Xylenes	1.5	10000	ND	tert-Butylbenzene	0.5		ND
trans-1,2-Dichloroethane	0.5	100	ND	trans-1,3-Dichloropropene	0.5		ND
Trichloroethane	0.5	5	ND	Trichlorofluoromethane	0.5		ND
Vinyl Chloride	0.5	2	ND				
<b>TRIHALOMETHANES</b>							
Bromodichloromethane	0.5		ND				
Bromoform	0.5		ND				
Chloroform	0.5		ND				
Dibromochloromethane	0.5		ND				
TOTAL THMs		80	0.00				
<b>UNREGULATED</b>							
1,1,1,2-Tetrachloroethane	0.5		ND				
1,1,1,2,2-Tetrachloroethane	0.5		ND				
1,1-Dichloroethane	0.5		ND				
1,1-Dichloropropene	0.5		ND				
1,2,3-Trichlorobenzene	0.5		ND				
1,2,3-Trichloropropane	0.5		ND				
1,2,4-Trimethylbenzene	0.5		ND				
1,2-Dibromo-3-Chloropropane	0.5		ND				
1,2-Dibromoethane	0.5		ND				
1,3,5-Trimethylbenzene	0.5		ND				
1,3-Dichlorobenzene	0.5		ND				
1,3-Dichloropropane	0.5		ND				
2,2-Dichloropropane	0.5		ND				

**Comments:**

Approved by:

Approval date:

*Sadia Muneeb*

02/05/2018

\*All results are in parts per billion ppb; ND = Less than the detection level; na = not applicable; e = estimate

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Telephone: (443) 681-3853 Fax: (443) 681-4507



## Certificate of Analysis

HOWARD CO ENVIRONMENTAL HLTH  
 8930 STANFORD BLVD  
 COLUMBIA, MD 21045

Lab. No: E18002670001

Method: EPA 524.2 VOCs and THMs

Date Received: 01/26/2018  
 Field ID: H0170215

Date Collected: 01/25/2018  
 Submitted By: S.Collins

Date Analyzed: 02/01/2018

Contaminant	RL	MCL	Result	Contaminant	RL	MCL	Result
<b>REGULATED</b>				2-Chlorotoluene	0.5		ND
1,1,1-Trichloroethane	0.5	200	ND	4-Chlorotoluene	0.5		ND
1,1,2-Trichloroethane	0.5	5	ND	Bromobenzene	0.5		ND
1,1-Dichloroethane	0.5	7	ND	Bromochloromethane	0.5		ND
1,2,4-Trichlorobenzene	0.5	70	ND	Bromomethane	0.5		ND
1,2-Dichlorobenzene	0.5	600	ND	Chloroethane	0.5		ND
1,2-Dichloroethane	0.5	5	ND	Chloromethane	0.5		ND
1,2-Dichloropropane	0.5	5	ND	cis-1,3-Dichloropropene	0.5		ND
1,4-Dichlorobenzene	0.5	75	ND	Dibromomethane	0.5		ND
Benzene	0.5	5	ND	Dichlorodifluoromethane	0.5		ND
Carbon Tetrachloride	0.5	5	ND	Ethyl-tert-Butyl Ether (ETBE)	0.5		ND
Chlorobenzene	0.5	100	ND	Hexachlorobutadiene	0.5		ND
cis-1,2-Dichloroethene	0.5	70	ND	Isopropylbenzene	0.5		ND
Ethylbenzene	0.5	700	ND	Methyl-tert-Butyl Ether (MTBE)	0.5		ND
m+p-Xylene	1.0		ND	Naphthalene	0.5		ND
Methylene Chloride	0.5	5	ND	n-Butylbenzene	0.5		ND
o-Xylene	0.5		ND	n-Propylbenzene	0.5		ND
Styrene	0.5	100	ND	p-Isopropyltoluene	0.5		ND
Tetrachloroethene	0.5	5	ND	sec-Butylbenzene	0.5		ND
Toluene	0.5	1000	4.24	tert-Amyl Methyl Ether (TAME)	0.5		ND
Total Xylenes	1.5	10000	ND	tert-Butylbenzene	0.5		ND
trans-1,2-Dichloroethene	0.5	100	ND	trans-1,3-Dichloropropene	0.5		ND
Trichloroethene	0.5	5	ND	Trichlorofluoromethane	0.5		ND
Vinyl Chloride	0.5	2	ND				
<b>TRihalOMETHANES</b>							
Bromodichloromethane	0.5		ND				
Bromoform	0.5		ND				
Chloroform	0.5		1.11				
Dibromochloromethane	0.5		ND				
TOTAL THMs		80	1.11				
<b>UNREGULATED</b>							
1,1,1,2-Tetrachloroethane	0.5		ND				
1,1,1,2,2-Tetrachloroethane	0.5		ND				
1,1-Dichloroethane	0.5		ND				
1,1-Dichloropropene	0.5		ND				
1,2,3-Trichlorobenzene	0.5		ND				
1,2,3-Trichloropropane	0.5		ND				
1,2,4-Trimethylbenzene	0.5		ND				
1,2-Dibromo-3-Chloropropane	0.5		ND				
1,2-Dibromoethane	0.5		ND				
1,3,5-Trimethylbenzene	0.5		ND				
1,3-Dichlorobenzene	0.5		ND				
1,3-Dichloropropane	0.5		ND				
2,2-Dichloropropane	0.5		ND				

**Comments:**

Approved by:

Approval date:

*Sadia Muneer*

02/05/2018

\*All results are in parts per billion ppb; ND = Less than the detection level; na = not applicable; e = estimate

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Telephone: (443) 681-3853 Fax: (443) 681-4507



## Certificate of Analysis

HOWARD CO ENVIRONMENTAL HLTH  
8930 STANFORD BLVD  
COLUMBIA, MD 21045

Lab. No: E18002670002

Method: EPA 524.2 VOCs and THMs

Date Received: 01/26/2018  
Field ID: H0170215FB

Date Collected: 01/25/2018  
Submitted By: S.Collins

Date Analyzed: 02/01/2018

Contaminant REGULATED	RL	MCL	Result	Contaminant	RL	MCL	Result
1,1,1-Trichloroethane	0.5	200	ND	2-Chlorotoluene	0.5		ND
1,1,2-Trichloroethane	0.5	5	ND	4-Chlorotoluene	0.5		ND
1,1-Dichloroethane	0.5	7	ND	Bromobenzene	0.5		ND
1,2,4-Trichlorobenzene	0.5	70	ND	Bromochloromethane	0.5		ND
1,2-Dichlorobenzene	0.5	600	ND	Bromomethane	0.5		ND
1,2-Dichloroethane	0.5	5	ND	Chloroethane	0.5		ND
1,2-Dichloropropane	0.5	5	ND	Chloromethane	0.5		ND
1,4-Dichlorobenzene	0.5	75	ND	cis-1,3-Dichloropropene	0.5		ND
Benzene	0.5	5	ND	Dibromomethane	0.5		ND
Carbon Tetrachloride	0.5	5	ND	Dichlorodifluoromethane	0.5		ND
Chlorobenzene	0.5	100	ND	Ethyl-tert-Butyl Ether (ETBE)	0.5		ND
cis-1,2-Dichloroethene	0.5	70	ND	Hexachlorobutadiene	0.5		ND
Ethylbenzene	0.5	700	ND	Isopropylbenzene	0.5		ND
m+p-Xylene	1.0		ND	Methyl-tert-Butyl Ether (MTBE)	0.5		ND
Methylene Chloride	0.5	5	0.58	Naphthalene	0.5		ND
o-Xylene	0.5		ND	n-Butylbenzene	0.5		ND
Styrene	0.5	100	ND	n-Propylbenzene	0.5		ND
Tetrachloroethene	0.5	5	ND	p-Isopropyltoluene	0.5		ND
Toluene	0.5	1000	ND	sec-Butylbenzene	0.5		ND
Total Xylenes	1.5	10000	ND	tert-Amyl Methyl Ether (TAME)	0.5		ND
trans-1,2-Dichloroethene	0.5	100	ND	tert-Butylbenzene	0.5		ND
Trichloroethene	0.5	5	ND	trans-1,3-Dichloropropene	0.5		ND
Vinyl Chloride	0.5	2	ND	Trichlorofluoromethane	0.5		ND
<b>TRIALOMETHANES</b>							
Bromodichloromethane	0.5		ND				
Bromoform	0.5		ND				
Chloroform	0.5		ND				
Dibromochloromethane	0.5		ND				
TOTAL THMs		80	0.00				
<b>UNREGULATED</b>							
1,1,1,2-Tetrachloroethane	0.5		ND				
1,1,1,2,2-Tetrachloroethane	0.5		ND				
1,1-Dichloroethane	0.5		ND				
1,1-Dichloropropene	0.5		ND				
1,2,3-Trichlorobenzene	0.5		ND				
1,2,3-Trichloropropane	0.5		ND				
1,2,4-Trimethylbenzene	0.5		ND				
1,2-Dibromo-3-Chloropropane	0.5		ND				
1,2-Dibromoethane	0.5		ND				
1,3,5-Trimethylbenzene	0.5		ND				
1,3-Dichlorobenzene	0.5		ND				
1,3-Dichloropropane	0.5		ND				
2,2-Dichloropropane	0.5		ND				

### Comments:

Approved by:

Approval date:

*Sadia Muneer*

02/05/2018

\*All results are in parts per billion (ppb); ND = Less than the detection level; na = not applicable; e = estimate

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) 767-6648 and arrange for return or destruction.

Telephone: (443) 681-3853 Fax: (443) 681-4507

# FOUNTAIN VALLEY ANALYTICAL LABORATORY, INC.

1413 Old Taneytown Rd. Westminster, MD (410) 848-1014 (410) 876-4554 FAX (410) 848-0298

## REPORT OF ANALYSIS

Laboratory ID #:	120437	Account #:	27868
Reference:	Joe Sibia	Company:	CASH ACCOUNT
Location:	4460 Maryland 97 Brookeville, MD 20833	Requested By:	Joe Sibia
Date/ Time Collected:	3/12/2018 0925	Source:	Well Water
Date/Time Rec'd:	3/12/2018 1230	Site:	Pressure Tank
Chlorine ppm:	Free: ND Total: ND	Treatment:	**
Collected By:	J. Yeager 6176JY	pH:	5.6
		Well #:	HO-17-0215

PARAMETERS	RESULTS	UNITS	REFERENCE	METHOD	DATE/TIME/ANALYST
Chloride	317.5	mg/L	250*	SM4500-Cl-B.	3/14/2018 / 1155 / RER

### NOTES

- 1 \*\*Sample collected prior to Sediment Filter
- 2 \*SMCL = Secondary Maximum Contaminant Level
- 3 mg/L = milligrams per liter (also, parts per million)
- 4 Results less than or within the reference range are considered satisfactory and within potable water limits at the time of sampling.
- 5 ND:None Detected
- 6 Visual well check: Sealed, vented cap (loose cap)
- 7 pH & Chlorine level tested on site

Reason for Test : Client's Information

Date Reported: 3/14/2018



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 NoE18002666 Date Coll. 01/25/2018 Date Received 01/26/2018 Submitted By: S. Collins

Field ID: HO-17-0215  
Lab No.: E18002666001

<u>Analyte</u>	<u>Method</u>	<u>Result</u>	<u>Units</u>	<u>Date Analyzed</u>
Chloride	SM 4500-Cl E	279	mg/L	02/02/2018
Total Dissolved Solids	SM 2540C	562	mg/L	01/29/2018

### Comments:

Approved by:

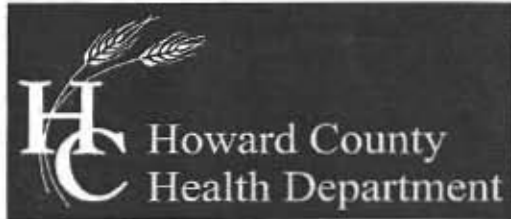
*Shahla Azezi*

Approval date: 02/05/2018

\*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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**Bureau of Environmental Health**

8930 Stanford Boulevard, 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)

Facebook: [www.facebook.com/hocohealth](https://www.facebook.com/hocohealth)

Twitter: HowardCoHealthDep

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

**TO ALL INTERESTED PARTIES**

When submitting a well permit application for a proposed well for new construction, please indicate one of the following:

Well Site Location:

\_\_\_\_\_      \_\_\_\_\_      Route 97  
Subdivision/Property Name      Lot #      Road Name

The well site has been staked by \_\_\_\_\_  
(professional land surveyor or company employing professional land surveyors)  
on \_\_\_\_\_ (date) and does not require a site inspection.

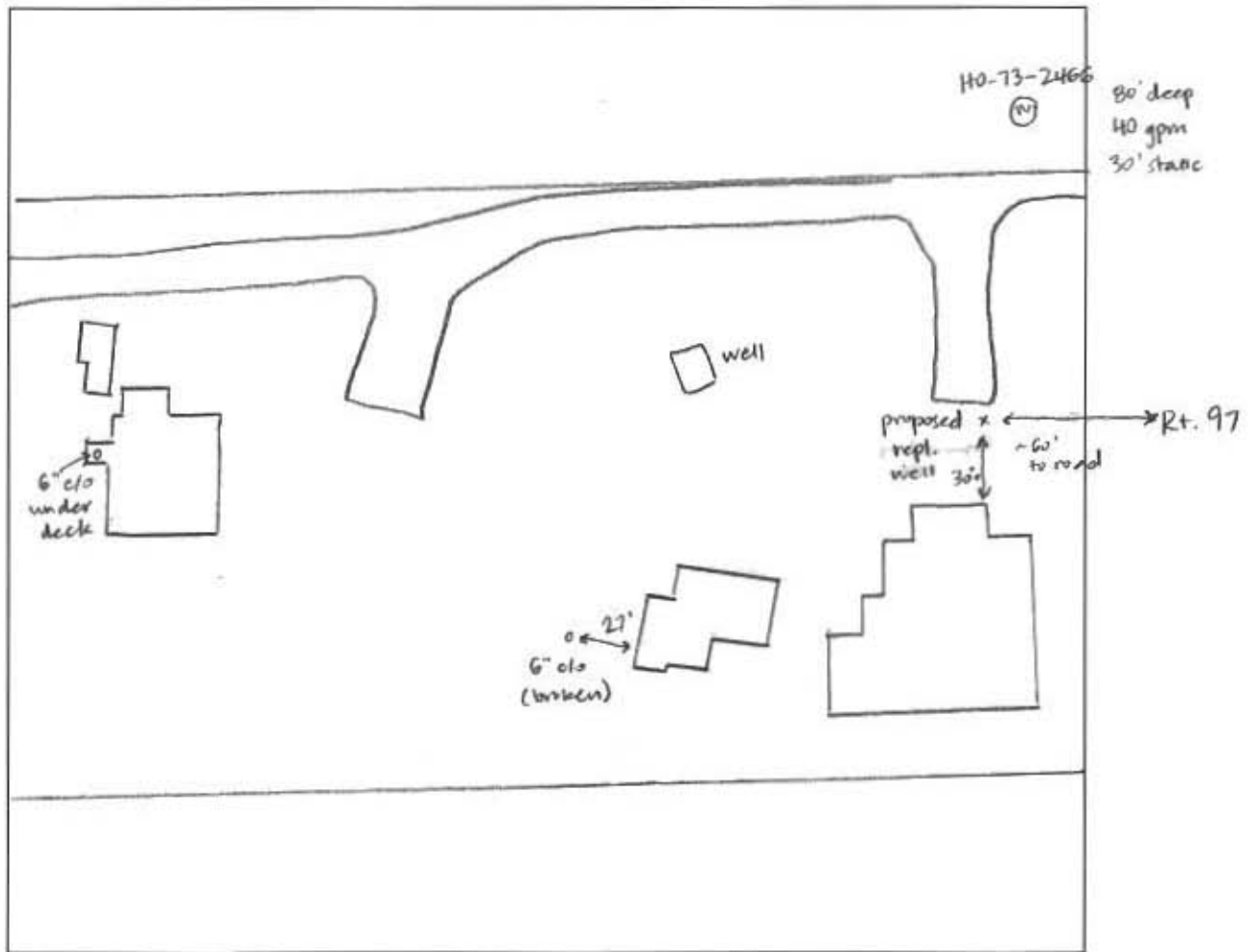
The well driller, builder or property owner will call the Health Department to schedule a time to meet in the field to verify the proposed well site location.

This sheet, along with two copies of an acceptable well site plan, must be attached to the green well permit application.

SITE INSPECTION SHEET

OWNER: \_\_\_\_\_ PHONE #: \_\_\_\_\_  
ADDRESS: 4460 Rte 97 CONTRACTOR: Fogle's  
WELL TAG #: \_\_\_\_\_  
SUBDIVISION: \_\_\_\_\_ LOT: \_\_\_\_\_ COUNTY #: 03  
PROPOSAL: Homeowner out of H<sub>2</sub>O

LOCATION DIAGRAM



COMMENTS: Met with Allen Compton from Fogle's on site. He said the existing well is 80-100' deep. Collect sodium, chloride, TDS, + VOC samples from new well, require 50' steel casing or 10' into competent bedrock, whichever is deeper due to proximity to road.

DATE: 1/3/18 INSPECTOR: S Collins