



# D/DBP QUARTERLY REPORT

For surface water systems using chlorine or chloramine disinfection  
Form to be submitted to DWGB by 10<sup>th</sup> day following each calendar quarter

Quarter (circle) **1 2 3 (4)** Year : **2017**

System Town of Canaan Water

PWS ID: 0351010

Total Trihalomethane Monitoring <b>TTHM</b> - Refer to DBP Sample Plan/Water Quality Schedule for Sample Locations								
Location->	321 - 54 RTE 118							
	Sample Date	ppb	Sample Date	ppb	Sample Date	ppb	Sample Date	ppb
1st Qtr	1/11/17	63.3						
2nd Qtr	4/05/17	51.9						
3rd Qtr	7/13/16	54						
4th Qtr	10/13/17	45						
	Loc. Run Avg:	53.6	Loc. Run Avg:		Loc. Run Avg:		Loc. Run Avg:	

Was MCL (0.080 mg/L or 80 ppb) for TTHM exceeded? Yes  No

Haloacetic Acids Monitoring <b>HAA5</b> - Refer to DBP Sample Plan/Water Quality Schedule for Sample Locations								
Location->	321-54 Rte 118							
	Sample Date	ppb	Sample Date	ppb	Sample Date	ppb	Sample Date	ppb
1st Qtr	1/11/17	22.4						
2nd Qtr	4/05/17	8.6						
3rd Qtr	7/13/16	18.4						
4th Qtr	10/13/17	2.7						
	Loc. Run Avg:	12.5	Loc. Run Avg:		Loc. Run Avg:		Loc. Run Avg:	

Was MCL (0.060 mg/L or 60 ppb) for HAA5 exceeded? Yes  No

## B. CHLORINE OR CHLORAMINE RESIDUAL

1

Number of samples taken each of the last 3 months:     1         1         1      
(Must be equal to number of TCR routine samples)

Monthly average chlorine residual last 12 months:   38.9   mg/L

<b>FILL ALL BOXES</b>	Month	Monthly ave. residual (mg/L)	<b>FILL ALL BOXES</b>	Month	Monthly ave. residual (mg/L)
Month 1	December 2017	33	Month 7	June 2017	33
Month 2	November 2017	39	Month 8	May 2017	37
Month 3	October 2017	31	Month 9	April 2017	31
Month 4	September 2017	45	Month 10	March 2017	45
Month 5	August 2017	33	Month 11	February 2017	33
Month 6	July 2017	43	Month 12	January 2017	43
				Ave. of last 12 months	37.2

Was the MRDL (4.0 mg/L) violated? (circle one) Yes (No)

**C. DISINFECTION BYPRODUCT PRECURSORS (systems with conventional treatment only)**

1. Which of the alternate compliance criteria does the system comply with this quarter, if any (check one)? Supply information in the blanks for the selected criterion and complete columns (1) through (5) in 2. below. If no alternate compliance criterion is selected, go to 2. and complete all columns.

- The system's source water TOC RAA level is less than 2.0 mg/L. Source water RAA TOC: \_\_\_\_\_
- The system's treated water TOC RAA level is less than 2.0 mg/L. Treated water RAA TOC: \_\_\_\_\_
- The system's source water TOC RAA level is less than 4.0 mg/L; the source water alkalinity RAA is greater than 60 mg/L (as CaCO<sub>3</sub>); and the TTHM and HAA5 RAAs are no greater than 40 / 30 ppb, respectively.  
Source water RAA TOC: \_\_\_\_\_ mg/L. RAA source water alkalinity \_\_\_\_\_ mg/L.  
TTHM RAA \_\_\_\_\_ppb                      HAA5 RAA \_\_\_\_\_ppb
- The TTHM and HAA5 RAAs are no greater than 40 / 30 ppb, respectively, and the system uses only chlorine for primary disinfection and maintenance of a residual in the distribution system.  
TTHM RAA \_\_\_\_\_ppb                      HAA5 RAA \_\_\_\_\_ppb
- The system's source water SUVA RAA prior to any treatment is less than or equal to 2.0 L/mg-m. Source water SUVA RAA: \_\_\_\_\_
- The system's finished water SUVA RAA is less than or equal to 2.0 L/mg-m. Finished water SUVA RAA: \_\_\_\_\_

**Is the system in compliance with the selected alternate compliance criterion? (circle one)    Yes    No**

2. Number of paired samples this quarter   1  

	Date (1)	Raw Alk. mg/L (2)	Raw TOC mg/L (3)	Filtered TOC mg/L (4)	% TOC Removal <sup>a</sup> (5)	% Req. TOC Removal <sup>b</sup> (6)	Ratio <sup>c</sup> (5) / (6) (7)
Month 1							
Month 2							
Month 3							

Notes: a. Monthly TOC removal = [1 - (filtered TOC/ raw TOC)] X 100  
 b. From Step 1 TOC Removal Table or from step 2 determination  
 c. If this number is less than 1.00, the system is not in compliance with the TOC removal requirement.

3. (Complete only if alternate criterion in 1 is not selected as means of compliance.) **Has the system been in compliance with the % removal requirement over the last 4 quarters?** (circle one) (Yes) No

**Prepared by (primary operator):**   John J. Coffey   **Date:**   12-12--2017