

DBP	Acceptance limits (percent)	Comments
TTHM:		
Chloroform	±20	Laboratory must meet all 4 individual THM acceptance limits in order to successfully pass a PE sample for TTHM.
Bromodichloromethane	±20	
Dibromochloromethane	±20	
Bromoform	±20	
HAA5:		
Monochloroacetic Acid	±40	Laboratory must meet the acceptance limits for 4 out of 5 of the HAA5 compounds in order to successfully pass a PE sample for HAA5.
Dichloroacetic Acid	±40	
Trichloroacetic Acid	±40	
Monobromoacetic Acid	±40	
Dibromoacetic Acid	±40	
Chlorite	±30	
Bromate	±30	

(iii) Report quantitative data for concentrations at least as low as the

ones listed in the following table for all DBP samples analyzed for compliance

with §§ 141.64, 141.135, 141.136, and subparts U and V of this part:

DBP	Minimum reporting level (ug/L) ⁷	Comments
TTHM ² :		
Chloroform	1.0	Laboratories that use EPA Methods 317.0 Revision 2.0, 326.0 or 321.8 must meet a 1.0 µg/L MRL for bromate.
Bromodichloromethane	1.0	
Dibromochloromethane	1.0	
Bromoform	1.0	
HAA5: ²		
Monochloroacetic Acid	2.0	
Dichloroacetic Acid	1.0	
Trichloroacetic Acid	1.0	
Monobromoacetic Acid	1.0	
Dibromoacetic Acid	1.0	
Chlorite	200.	
Bromate	5.0 or 1.0	

¹ The calibration curve must encompass the minimum reporting level (MRL) concentration and the laboratory must verify the accuracy of the calibration curve at the lowest concentration for which quantitative data are reported by analyzing a calibration check standard at that concentration at the beginning of each batch of samples. The measured concentration for the check standard must be within ±50% of the expected value. Data may be reported for concentrations lower than the MRL as long as the precision and accuracy criteria are met by analyzing a standard at the lowest reporting limit chosen by the laboratory.

² When adding the individual trihalomethane or haloacetic acid concentrations to calculate the TTHM or HAA5 concentrations, respectively, a zero is used for any analytical result that is less than the MRL concentration for that DBP.

(3) A party approved by EPA or the State must measure daily chlorite

samples at the entrance to the distribution system.

(c) * * *
(1) * * *

Methodology	Standard method	ASTM method	EPA method	Residual Measured ¹			
				Free chlorine	Combined chlorine	Total chlorine	Chlorine dioxide
Amperometric Titration	4500-Cl D	D 1253-86		X	X	X	
Low Level Amperometric Titration	4500-Cl E					X	
DPD Ferrous Titrimetric	4500-Cl F			X	X	X	
DPD Colorimetric	4500-Cl G			X	X	X	
Syngaldazine (FACTS)	4500-Cl			X			
Iodometric Electrode	4500-Cl					X	
DPD	4500-ClO ₂						X
Amperometric Method II	4500-ClO ₂ E						X
Lissamine Green Spectrophotometric ...			327.0				X

¹ X indicates method is approved for measuring specified disinfectant residual. Free chlorine or total chlorine may be measured for demonstrating compliance with the chlorine MRDL and combined chlorine or total chlorine may be measured for demonstrating compliance with the chloramine MRDL.