

ANALYST:		VPDES NO	
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Parameter: Total Residual Chlorine  
Method: HACH CN-66 Test Kit  
11/2014

METHOD OF ANALYSIS:

<b>X</b>	HACH CN-66 INSTRUCTION MANUAL
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		Y	N
1)	Is comparator assembled correctly (i.e. color disc on center pin and lettering facing out). [Mfr.]		
2)	Does the facility treat domestic wastewater and have a design flow of < 0.040 MGD? [Permit]		
3)	Is the total residual chlorine permit limit $\geq$ 0.2 mg/L? [Permit]		
4)	Are the vials clean and in good condition? [Mfr.]		
5)	Is the color disc in good condition? [Mfr.]		
6)	Are vials rinsed with sample prior to testing? [Mfr.]		
7)	Are both vials used? [Mfr.]		
8)	Are samples analyzed within 15 minutes of collection? [40 CFR Part 136]		
9)	Are vials filled to the indicated mark with sample? [Mfr.]		
10)	Is the DPD Total Chlorine Reagent Powder Pillow added to one sample vial? [Mfr.]		
11)	Is the solution mixed and allowed to stand for 3 minutes before reading and color match completed within 6 minutes of reagent addition? [Mfr.]		
12)	Is the comparator held in front of a uniform light source or background? [Mfr.]		
13)	Is color match determined correctly and result recorded in plant records? <b>Note:</b> The latest instruction manual instructs analyst "if the best match occurs between two color segments, determine [record] the value halfway between the two printed numbers." [Mfr.]		
14)	Are samples greater than or equal to 3.4 mg/L diluted before addition of the reagent powder? [Mfr.]		
15)	Are samples requiring dilution diluted accurately? [Permit]		
16)	Are sample vials rinsed with deionized water after testing is complete? [Mfr.]		

PROBLEMS: