VA0026557

Parameter: Total Residual Chlorine
Method: Amperometric Titration (Direct)

	Question	Yes	No
1.	Is sample analyzed immediately after collection?	✓	
2.	Is PAO normality 0.00564N?	✓	
3.	Are reagents free of contamination or growths?	✓	
4.	Is KI solution discarded when it turns yellow?	✓	
5.	Is pH 4 buffer solution acetate buffer?	✓	
6.	Are reagents within their indicated shelf lives?	No shelf life on bottle	
7.	Is sample volume 200 ml (for chlorine residual up to 2 mg/l) or 100 ml or proportionately less (for chlorine residuals in excess of 2 mg/l)?	✓	
8.	Is at least 1 ml KI solution added?	✓	
9.	Is at least 1 ml acetate buffer added after KI solution?	✓	
10.	Is titrant added in progressively smaller increments until all needle movement ceases?	✓	
11.	Is last increment of titrant that causes no needle response subtracted from final volume?	✓	
12.	Is the sample value calculated correctly? [TRC (mg/l) = $\frac{A \times 200}{\text{ml of sample}}$ where A = ml PAO used]?	✓	

Comments: Sample is taken at their end of all treatment in accordance to their permit.

Rating: ● Satisfactory   o Qualified   o Unsatisfactory

Problems:

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