Dissolved oxygen (D.O.) by Azide Modification **SM 4500-O C-2001 (2011)**

ADDITIONAL QC REQUIREMENTS FOR THIS METHOD: Certified or Accredited laboratories using this method are assessed to applicable requirements of SM 1020 and SM 4020.

Facility Name:_____VELAP ID_____

Assessor Name:_____Analyst Name:_____Inspection Date:_____

Relevant Aspect of Standards	Method Reference	Y	N	N/A	Comments
Records Examined: SOP Number/ Revision/ Date _____ Analyst:_____ Sample ID: _____ Date of Sample Preparation:_____ Date of Analysis:_____					
If samples are collected from a line under pressure, does the sampler avoid turbulence, formation of bubbles, and allow the bottle to overflow two or three times its volume, and stopper it so that no air bubbles are entrained?	4500-O B.3				
Was the Sodium Thiosulfate Titrant standardized against Potassium Bi-Iodate Solution?	4500-O C 2.f				
Were 1mL Manganese Sulfate solution and 1 mL Alkali-Iodide-Azide reagent added to samples collected in a 250-300 mL bottle?	4500-O C 3.a				
Was the bottle stoppered carefully to exclude air bubbles, mixed by inversion, and precipitate allowed to settle?	4500-O C 3.a				
Was 1 mL concentrated Sulfuric Acid then added to samples followed by inversion mixing?	4500-O C 3.a				
Was a volume corresponding to 200 mL of sample (after correction for reagent volumes) titrated with 0.025M Sodium Thiosulfate to a pale straw color?	4500-O C 3.a,b				
Were a few drops of starch solution added, titration continued until disappearance of blue color?	4500-O C 3.b				
If endpoint was overshot, was sample back titrated with 0.0021 M bi-iodate solution added dropwise?	4500-O C 3.b				
For titration of 200 mL sample was 1 mL 0.025 M Sodium Sulfate calculated as 1mg DO/L?	4500-O C 4.a				
Was the Table-O:I used when expressing results as percent saturation at 101.3 kPa and for corrections for attitude and chlorination?	4500-O C 4.b				
Notes/ Comments:					

METHOD CHECKLISTS ARE AN INTERVIEW TOOL USED BY ASSESSORS AND ARE NOT TO BE CONSIDERED AS A SUBSTITUTE FOR REQUIREMENTS OF THE PUBLISHED METHOD. CHECKLISTS ARE SUBJECT TO CHANGE.