TURBIDITY BY NEPHELOMETRY
EPA Method 180.1 Revision 2.0

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 the turbidimeter was used to measure samples having turbidities of <1 NTU such as drinking water, did it have a sensitivity to detect differences of 0.02 NTU or less?	6.3				
Were glass tubes used in measurement not handled were light struck them?	6.4				
Were samples collected in scrupulously cleaned glass or plastic bottles?	8.1				
If samples were not analyzed as soon as possible after collection, were they cooled to 4°C and not held for longer than 48 hours prior to measurement?	8.3				
Were Linear Calibration Ranges (LCRs) determined initially, verified every six months, and whenever significant changes were observed or expected in instrument response?	9.2.2				
Did the LCR verifications consists of a blank and a minimum of three standards?	9.2.2				
Was linearity reestablished if any verification data exceeded the initial values by ±10%?	9.2.2				
Initially and thereafter on a quarterly basis were QCS samples prepared and analyzed to be within ±10%?	9.2.3				
Were LRBs analyzed at least once with every batch of samples?	9.3.1				

Notes/Comments:

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Relevant Aspect of Standards	Method Reference	Y	N	N/A	Comments
Were Instrument Performance Check Solutions (IPCs), usually a mid-range standard, and Calibration Blanks immediately following daily calibration, every tenth sample, and at the end of each run?	9.3.2				
Did IPC analyses verify the instrument was measuring within ±10%?	9.3.2				
If the IPC analyses were found to be outside of ±10%, were the IPCs reanalyzed only **once**?	9.3.2				
Were measured turbidity amounts less than 40 NTU? (Dilution allowed for samples greater than 40 NTU.)	11.1 11.2				
Were measurements of diluted samples multiplied by the proper dilution factors?	12.1				

Notes/Comments: