

**EPA Approved Inorganic Test Procedures and Comparable Methods  
from Hach and Lamotte**

<b>Indicator</b>	<b>EPA Method</b>	<b>Standard Methods, 18<sup>th</sup> edition</b>	<b>Hach Methods “approved by EPA”<sup>1</sup></b>	<b>Lamotte Methods that “follow EPA Methods”<sup>2</sup></b>	<b>Other</b>
Alkalinity, as CaCO <sub>3</sub> , mg/L	310.1 310.2	2320B		3467 DR-A P&T Alkalinity Direct Reading Titrator	
Ammonia (as N), mg/L	350.2 350.3	4500-NH <sub>3</sub>	Hach 24582-00	3642 and 3642-SC DC/MC1600 and SMART  3680 and 3680-01 DC1100-NH, DC1200-NH	
BOD	405.1	5210B			
pH	150.1	4500-H B		1706-02 DHA-3000	
Kjeldahl Nitrogen	351.3	4500-NH B, C, E, F or G			
Nitrate	353.3	4500-NO <sub>3</sub> E			
Phosphorus, total	365.2 365.3	4500-P E 4500-P B, 5	25830-00	3679 DC1100-PO 3679-01 DC1200-PLR 3653 DC/MC1600 3653-SC SMART (all need 7884 aux. phos.)	
Oxygen, dissolved				7165 AB-DOW 1903 DO 4000 7414 EDO 5860 5856	Weston Stack, Model 30; YSI Model 54; Beckmann Fieldlab
Residue, total filterable non filterable	160.3 160.1 160.2	2540 B 2540 C 2540 D			
Temperature	170.1	2550 B			
Specific Conductance	120.1	2510 B		1752-01 CDS 5000	

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Fecal Coliforms		9221 E 9222 D	Membrane filtration -- Hach m-Endo Broth PourRite Ampules m-FC Broth PourRite Ampules m-FC with Rosolic Acid Broth PourRite Ampules MPN LT Broth Tubes, A-1 Medium Broth Tubes		
Turbidity				1790 2008 1799 2020	

1 According to Hach, Co., “these methods are disclosed to the U.S. Environmental Protection Agency (USEPA) by Hach Company and are recommended by USEPA for nationwide use as an acceptable version of a specific USEPA-approved method. If the method is determined to be equivalent, then the USEPA writes a letter of acceptance to the manufacturer and to USEPA regional administrators.”

2 According to LaMotte Co., use the same procedures as EPA approved methods. However, a letter of acceptance from USEPA may or may not be on file.

Inclusion of the trade names does not constitute endorsement by the authors, the University of Massachusetts, Commonwealth of Massachusetts or United States Government nor does it imply a comprehensive list of providers.