



## Analytical Methods Approved for Drinking Water Compliance Monitoring under the Disinfection Byproduct Rules

Analysis for the following disinfectants, contaminants and other parameters shall be conducted in accordance with the methods in the following table, or their equivalent as determined by EPA. The methods are specified in 40 CFR 141.131 and in Appendix A to Subpart C of Part 141. The monitoring requirements are specified in 40 CFR 141.132, 141.135, 141.600-141.603, and 141.620-141.268.

*The CFR is the legal reference for approved methods and takes precedence over this table. The table should accurately reflect the analytical methods information published in 40 CFR 141.*

### Disinfectants:

If approved by the State, residual disinfectant concentrations for chlorine, chloramines, and chlorine dioxide may be measured using DPD colorimetric test kits.

### Chlorine Dioxide

Method	Organization	Reference Title	Date	EPA Publication Number	Source of Method
327, Rev. 1.1	EPA	<i>Determination of Chlorine Dioxide and Chlorite Ion in Drinking Water using Lissamine Green B and Horseradish Peroxidase with Detection by Visible Spectrometry</i>	May 2005	EPA-815-R-05-008	<a href="#">EPA-815-R-05-008</a>
ChlordioX Plus	Palintest, Ltd.	<i>Palintest ChlordioX Plus Method – Chlorine Dioxide and Chlorite in Drinking Water by Amperometry using Disposable Sensors</i>	November 2013		<a href="#">ChlordioX Plus</a>
4500-ClO <sub>2</sub> D	Standard Methods	<i>Standard Methods for the Examination of Water and Wastewater, 19<sup>th</sup> Edition</i>	1995		<a href="#">Standard Methods</a>
4500-ClO <sub>2</sub> D	Standard Methods	<i>Standard Methods for the Examination of Water and Wastewater, 20<sup>th</sup> Edition</i>	1998		<a href="#">Standard Methods</a>
4500-ClO <sub>2</sub> E	Standard Methods	<i>Standard Methods for the Examination of Water and Wastewater, 19<sup>th</sup> Edition</i>	1995		<a href="#">Standard Methods</a>
4500-ClO <sub>2</sub> E	Standard Methods	<i>Standard Methods for the Examination of Water and Wastewater, 20<sup>th</sup> Edition</i>	1998		<a href="#">Standard Methods</a>

Method	Organization	Reference Title	Date	EPA Publication Number	Source of Method
4500-ClO <sub>2</sub> E	Standard Methods	<i>Standard Methods for the Examination of Water and Wastewater, 21<sup>st</sup> Edition</i>	2005		<a href="#">Standard Methods</a>
4500-ClO <sub>2</sub> E	Standard Methods	<i>Standard Methods for the Examination of Water and Wastewater, 22<sup>nd</sup> Edition</i>	2012		<a href="#">Standard Methods</a>
4500-ClO <sub>2</sub> E	Standard Methods	<i>Standard Methods for the Examination of Water and Wastewater, 23<sup>rd</sup> Edition</i>	2017		<a href="#">Standard Methods</a>
4500-ClO <sub>2</sub> E-00	Standard Methods Online	Online version. Approval year is designated by the last 2 digits. Only online versions cited in the regulations or in Appendix A to Subpart C of Part 141 are approved.	2000		<a href="#">Standard Methods</a>

### Combined Chlorine

Method	Organization	Reference Title	Date	EPA Publication Number	Source of Method
D1253-86	ASTM International	<i>Standard Test Method for Residual Chlorine in Water</i>	1986		<a href="#">ASTM International</a>
D1253-03	ASTM International	<i>Standard Test Method for Residual Chlorine in Water</i>	2003		<a href="#">ASTM International</a>
D1253-08	ASTM International	<i>Standard Test Method for Residual Chlorine in Water</i>	2008		<a href="#">ASTM International</a>
D1253-14	ASTM International	<i>Standard Test Method for Residual Chlorine in Water</i>	2014		<a href="#">ASTM International</a>
Hach 10260, Rev. 1.0	Hach Company	<i>Determination of Chlorinated Oxidants (Free and Total) in Water using Disposable Planar Reagent-Filled Cuvettes and Mesofluidic Channel Colorimetry</i>	April 2013		<a href="#">Hach 10260, Rev. 1.0</a>
4500-Cl D	Standard Methods	<i>Standard Methods for the Examination of Water and Wastewater, 19<sup>th</sup> Edition</i>	1995		<a href="#">Standard Methods</a>
4500-Cl D	Standard Methods	<i>Standard Methods for the Examination of Water and Wastewater, 20<sup>th</sup> Edition</i>	1998		<a href="#">Standard Methods</a>

Method	Organization	Reference Title	Date	EPA Publication Number	Source of Method
4500-CI D	Standard Methods	<i>Standard Methods for the Examination of Water and Wastewater, 21<sup>st</sup> Edition</i>	2005		<a href="#">Standard Methods</a>
4500-CI D	Standard Methods	<i>Standard Methods for the Examination of Water and Wastewater, 22<sup>nd</sup> Edition</i>	2012		<a href="#">Standard Methods</a>
4500-CI D	Standard Methods	<i>Standard Methods for the Examination of Water and Wastewater, 23<sup>rd</sup> Edition</i>	2017		<a href="#">Standard Methods</a>
4500-CI F	Standard Methods	<i>Standard Methods for the Examination of Water and Wastewater, 19<sup>th</sup> Edition</i>	1995		<a href="#">Standard Methods</a>
4500-CI F	Standard Methods	<i>Standard Methods for the Examination of Water and Wastewater, 20<sup>th</sup> Edition</i>	1998		<a href="#">Standard Methods</a>
4500-CI F	Standard Methods	<i>Standard Methods for the Examination of Water and Wastewater, 21<sup>st</sup> Edition</i>	2005		<a href="#">Standard Methods</a>
4500-CI F	Standard Methods	<i>Standard Methods for the Examination of Water and Wastewater, 22<sup>nd</sup> Edition</i>	2012		<a href="#">Standard Methods</a>
4500-CI F	Standard Methods	<i>Standard Methods for the Examination of Water and Wastewater, 23<sup>rd</sup> Edition</i>	2017		<a href="#">Standard Methods</a>
4500-CI G	Standard Methods	<i>Standard Methods for the Examination of Water and Wastewater, 19<sup>th</sup> Edition</i>	1995		<a href="#">Standard Methods</a>
4500-CI G	Standard Methods	<i>Standard Methods for the Examination of Water and Wastewater, 20<sup>th</sup> Edition</i>	1998		<a href="#">Standard Methods</a>
4500-CI G	Standard Methods	<i>Standard Methods for the Examination of Water and Wastewater, 21<sup>st</sup> Edition</i>	2005		<a href="#">Standard Methods</a>
4500-CI G	Standard Methods	<i>Standard Methods for the Examination of Water and Wastewater, 22<sup>nd</sup> Edition</i>	2012		<a href="#">Standard Methods</a>
4500-CI G	Standard Methods	<i>Standard Methods for the Examination of Water and Wastewater, 23<sup>rd</sup> Edition</i>	2017		<a href="#">Standard Methods</a>

Method	Organization	Reference Title	Date	EPA Publication Number	Source of Method
4500-Cl D-00	Standard Methods Online	Online version. Approval year is designated by the last 2 digits. Only online versions cited in the regulations or in Appendix A to Subpart C of Part 141 are approved.	2000		<a href="#">Standard Methods</a>
4500-Cl F-00	Standard Methods Online	Online version. Approval year is designated by the last 2 digits. Only online versions cited in the regulations or in Appendix A to Subpart C of Part 141 are approved.	2000		<a href="#">Standard Methods</a>
4500-Cl G-00	Standard Methods Online	Online version. Approval year is designated by the last 2 digits. Only online versions cited in the regulations or in Appendix A to Subpart C of Part 141 are approved.	2000		<a href="#">Standard Methods</a>

## Free Chlorine

Method	Organization	Reference Title	Date	EPA Publication Number	Source of Method
D99-003	Industrial Test Systems, Inc.	<i>Free Chlorine Species (HOCl and OCl<sup>-</sup>) by Test Strip</i>	November 2003		<a href="#">Method D99-003</a>
D1253-86	ASTM International	<i>Standard Test Method for Residual Chlorine in Water</i>	1986		<a href="#">ASTM International</a>
D1253-03	ASTM International	<i>Standard Test Method for Residual Chlorine in Water</i>	2003		<a href="#">ASTM International</a>
D1253-08	ASTM International	<i>Standard Test Method for Residual Chlorine in Water</i>	2008		<a href="#">ASTM International</a>
D1253-14	ASTM International	<i>Standard Test Method for Residual Chlorine in Water</i>	2014		<a href="#">ASTM International</a>
334.0	EPA	<i>Determination of Residual Chlorine in Drinking Water using an On-line Chlorine Analyzer</i>	September 2009	EPA 815-B-09-013	<a href="#">EPA 815-B-09-013</a>
Hach 10260, Rev. 1.0	Hach Company	<i>Determination of Chlorinated Oxidants (Free and Total) in Water using Disposable Planar</i>	April 2013		<a href="#">Hach 10260, Rev. 1.0</a>

Method	Organization	Reference Title	Date	EPA Publication Number	Source of Method
		<i>Reagent-Filled Cuvettes and Mesofluidic Channel Colorimetry</i>			
Hach 10241, Rev. 1.2	Hach Company	<i>Spectrophotometric Measurement of Free Chlorine (Cl<sub>2</sub>) in Finished Drinking Water</i>	November 2015		<a href="#">Hach 10241, Rev. 1.2</a>
ChloroSense	Palintest Ltd.	<i>Measurement of Free and Total Chlorine in Drinking Water by Palintest ChloroSense</i>	August 2009		<a href="#">ChloroSense</a>
4500-Cl D	Standard Methods	<i>Standard Methods for the Examination of Water and Wastewater, 19<sup>th</sup> Edition</i>	1995		<a href="#">Standard Methods</a>
4500-Cl D	Standard Methods	<i>Standard Methods for the Examination of Water and Wastewater, 20<sup>th</sup> Edition</i>	1998		<a href="#">Standard Methods</a>
4500-Cl D	Standard Methods	<i>Standard Methods for the Examination of Water and Wastewater, 21<sup>st</sup> Edition</i>	2005		<a href="#">Standard Methods</a>
4500-Cl D	Standard Methods	<i>Standard Methods for the Examination of Water and Wastewater, 22<sup>nd</sup> Edition</i>	2012		<a href="#">Standard Methods</a>
4500-Cl D	Standard Methods	<i>Standard Methods for the Examination of Water and Wastewater, 23<sup>rd</sup> Edition</i>	2017		<a href="#">Standard Methods</a>
4500-Cl F	Standard Methods	<i>Standard Methods for the Examination of Water and Wastewater, 19<sup>th</sup> Edition</i>	1995		<a href="#">Standard Methods</a>
4500-Cl F	Standard Methods	<i>Standard Methods for the Examination of Water and Wastewater, 20<sup>th</sup> Edition</i>	1998		<a href="#">Standard Methods</a>
4500-Cl F	Standard Methods	<i>Standard Methods for the Examination of Water and Wastewater, 21<sup>st</sup> Edition</i>	2005		<a href="#">Standard Methods</a>
4500-Cl F	Standard Methods	<i>Standard Methods for the Examination of Water and Wastewater, 22<sup>nd</sup> Edition</i>	2012		<a href="#">Standard Methods</a>
4500-Cl F	Standard Methods	<i>Standard Methods for the Examination of Water and Wastewater, 23<sup>rd</sup> Edition</i>	2017		<a href="#">Standard Methods</a>

Method	Organization	Reference Title	Date	EPA Publication Number	Source of Method
4500-CI G	Standard Methods	<i>Standard Methods for the Examination of Water and Wastewater, 19<sup>th</sup> Edition</i>	1995		<a href="#">Standard Methods</a>
4500-CI G	Standard Methods	<i>Standard Methods for the Examination of Water and Wastewater, 20<sup>th</sup> Edition</i>	1998		<a href="#">Standard Methods</a>
4500-CI G	Standard Methods	<i>Standard Methods for the Examination of Water and Wastewater, 21<sup>st</sup> Edition</i>	2005		<a href="#">Standard Methods</a>
4500-CI G	Standard Methods	<i>Standard Methods for the Examination of Water and Wastewater, 22<sup>nd</sup> Edition</i>	2012		<a href="#">Standard Methods</a>
4500-CI G	Standard Methods	<i>Standard Methods for the Examination of Water and Wastewater, 23<sup>rd</sup> Edition</i>	2017		<a href="#">Standard Methods</a>
4500-CI H	Standard Methods	<i>Standard Methods for the Examination of Water and Wastewater, 19<sup>th</sup> Edition</i>	1995		<a href="#">Standard Methods</a>
4500-CI H	Standard Methods	<i>Standard Methods for the Examination of Water and Wastewater, 20<sup>th</sup> Edition</i>	1998		<a href="#">Standard Methods</a>
4500-CI H	Standard Methods	<i>Standard Methods for the Examination of Water and Wastewater, 21<sup>st</sup> Edition</i>	2005		<a href="#">Standard Methods</a>
4500-CI H	Standard Methods	<i>Standard Methods for the Examination of Water and Wastewater, 22<sup>nd</sup> Edition</i>	2012		<a href="#">Standard Methods</a>
4500-CI H	Standard Methods	<i>Standard Methods for the Examination of Water and Wastewater, 23<sup>rd</sup> Edition</i>	2017		<a href="#">Standard Methods</a>
4500-CI D-00	Standard Methods Online	Online version. Approval year is designated by the last 2 digits. Only online versions cited in the regulations or in Appendix A to Subpart C of Part 141 are approved.	2000		<a href="#">Standard Methods</a>
4500-CI F-00	Standard Methods Online	Online version. Approval year is designated by the last 2 digits. Only online versions cited in the	2000		<a href="#">Standard Methods</a>

Method	Organization	Reference Title	Date	EPA Publication Number	Source of Method
		regulations or in Appendix A to Subpart C of Part 141 are approved.			
4500-Cl G-00	Standard Methods Online	Online version. Approval year is designated by the last 2 digits. Only online versions cited in the regulations or in Appendix A to Subpart C of Part 141 are approved.	2000		<a href="#">Standard Methods</a>
4500-Cl H-00	Standard Methods Online	Online version. Approval year is designated by the last 2 digits. Only online versions cited in the regulations or in Appendix A to Subpart C of Part 141 are approved.	2000		<a href="#">Standard Methods</a>

## Total Chlorine

Method	Organization	Reference Title	Date	EPA Publication Number	Source of Method
D1253-86	ASTM International	<i>Standard Test Method for Residual Chlorine in Water</i>	1986		<a href="#">ASTM International</a>
D1253-03	ASTM International	<i>Standard Test Method for Residual Chlorine in Water</i>	2003		<a href="#">ASTM International</a>
D1253-08	ASTM International	<i>Standard Test Method for Residual Chlorine in Water</i>	2008		<a href="#">ASTM International</a>
D1253-14	ASTM International	<i>Standard Test Method for Residual Chlorine in Water</i>	2014		<a href="#">ASTM International</a>
334.0	EPA	<i>Determination of Residual Chlorine in Drinking Water using an On-line Chlorine Analyzer</i>	September 2009	EPA 815-B-09-013	<a href="#">EPA 815-B-09-013</a>
Hach 10260, Rev. 1.0	Hach Company	<i>Determination of Chlorinated Oxidants (Free and Total ) in Water using Disposable Planar Reagent-Filled Cuvettes and Mesofluidic Channel Colorimetry</i>	April 2013		<a href="#">Hach 10260, Rev. 1.0</a>
Palintest Ltd.	ChloroSense	<i>Measurement of Free and Total Chlorine in Drinking Water by Palintest ChloroSense</i>	August 2009		<a href="#">ChloroSense</a>

Method	Organization	Reference Title	Date	EPA Publication Number	Source of Method
4500-CI D	Standard Methods	<i>Standard Methods for the Examination of Water and Wastewater, 19<sup>th</sup> Edition</i>	1995		<a href="#">Standard Methods</a>
4500-CI D	Standard Methods	<i>Standard Methods for the Examination of Water and Wastewater, 20<sup>th</sup> Edition</i>	1998		<a href="#">Standard Methods</a>
4500-CI D	Standard Methods	<i>Standard Methods for the Examination of Water and Wastewater, 21<sup>st</sup> Edition</i>	2005		<a href="#">Standard Methods</a>
4500-CI D	Standard Methods	<i>Standard Methods for the Examination of Water and Wastewater, 22<sup>nd</sup> Edition</i>	2012		<a href="#">Standard Methods</a>
4500-CI D	Standard Methods	<i>Standard Methods for the Examination of Water and Wastewater, 23<sup>rd</sup> Edition</i>	2017		<a href="#">Standard Methods</a>
4500-CI E	Standard Methods	<i>Standard Methods for the Examination of Water and Wastewater, 19<sup>th</sup> Edition</i>	1995		<a href="#">Standard Methods</a>
4500-CI E	Standard Methods	<i>Standard Methods for the Examination of Water and Wastewater, 20<sup>th</sup> Edition</i>	1998		<a href="#">Standard Methods</a>
4500-CI E	Standard Methods	<i>Standard Methods for the Examination of Water and Wastewater, 21<sup>st</sup> Edition</i>	2005		<a href="#">Standard Methods</a>
4500-CI E	Standard Methods	<i>Standard Methods for the Examination of Water and Wastewater, 22<sup>nd</sup> Edition</i>	2012		<a href="#">Standard Methods</a>
4500-CI E	Standard Methods	<i>Standard Methods for the Examination of Water and Wastewater, 23<sup>rd</sup> Edition</i>	2017		<a href="#">Standard Methods</a>
4500-CI F	Standard Methods	<i>Standard Methods for the Examination of Water and Wastewater, 19<sup>th</sup> Edition</i>	1995		<a href="#">Standard Methods</a>
4500-CI F	Standard Methods	<i>Standard Methods for the Examination of Water and Wastewater, 20<sup>th</sup> Edition</i>	1998		<a href="#">Standard Methods</a>
4500-CI F	Standard Methods	<i>Standard Methods for the Examination of Water and Wastewater, 21<sup>st</sup> Edition</i>	2005		<a href="#">Standard Methods</a>



Method	Organization	Reference Title	Date	EPA Publication Number	Source of Method
4500-CI F	Standard Methods	<i>Standard Methods for the Examination of Water and Wastewater, 22<sup>nd</sup> Edition</i>	2012		<a href="#">Standard Methods</a>
4500-CI F	Standard Methods	<i>Standard Methods for the Examination of Water and Wastewater, 23<sup>rd</sup> Edition</i>	2017		<a href="#">Standard Methods</a>
4500-CI G	Standard Methods	<i>Standard Methods for the Examination of Water and Wastewater, 19<sup>th</sup> Edition</i>	1995		<a href="#">Standard Methods</a>
4500-CI G	Standard Methods	<i>Standard Methods for the Examination of Water and Wastewater, 20<sup>th</sup> Edition</i>	1998		<a href="#">Standard Methods</a>
4500-CI G	Standard Methods	<i>Standard Methods for the Examination of Water and Wastewater, 21<sup>st</sup> Edition</i>	2005		<a href="#">Standard Methods</a>
4500-CI G	Standard Methods	<i>Standard Methods for the Examination of Water and Wastewater, 22<sup>nd</sup> Edition</i>	2012		<a href="#">Standard Methods</a>
4500-CI G	Standard Methods	<i>Standard Methods for the Examination of Water and Wastewater, 23<sup>rd</sup> Edition</i>	2017		<a href="#">Standard Methods</a>
4500-CI I	Standard Methods	<i>Standard Methods for the Examination of Water and Wastewater, 19<sup>th</sup> Edition</i>	1995		<a href="#">Standard Methods</a>
4500-CI I	Standard Methods	<i>Standard Methods for the Examination of Water and Wastewater, 20<sup>th</sup> Edition</i>	1998		<a href="#">Standard Methods</a>
4500-CI I	Standard Methods	<i>Standard Methods for the Examination of Water and Wastewater, 21<sup>st</sup> Edition</i>	2005		<a href="#">Standard Methods</a>
4500-CI I	Standard Methods	<i>Standard Methods for the Examination of Water and Wastewater, 22<sup>nd</sup> Edition</i>	2012		<a href="#">Standard Methods</a>
4500-CI I	Standard Methods	<i>Standard Methods for the Examination of Water and Wastewater, 23<sup>rd</sup> Edition</i>	2017		<a href="#">Standard Methods</a>
4500-CI D-00	Standard Methods Online	Online version. Approval year is designated by the last 2 digits. Only online versions cited in the	2000		<a href="#">Standard Methods</a>

Method	Organization	Reference Title	Date	EPA Publication Number	Source of Method
		regulations or in Appendix A to Subpart C of Part 141 are approved.			
4500-CI E-00	Standard Methods Online	Online version. Approval year is designated by the last 2 digits. Only online versions cited in the regulations or in Appendix A to Subpart C of Part 141 are approved.	2000		<a href="#">Standard Methods</a>
4500-CI F-00	Standard Methods Online	Online version. Approval year is designated by the last 2 digits. Only online versions cited in the regulations or in Appendix A to Subpart C of Part 141 are approved.	2000		<a href="#">Standard Methods</a>
4500-CI G-00	Standard Methods Online	Online version. Approval year is designated by the last 2 digits. Only online versions cited in the regulations or in Appendix A to Subpart C of Part 141 are approved.	2000		<a href="#">Standard Methods</a>
4500-CI I-00	Standard Methods Online	Online version. Approval year is designated by the last 2 digits. Only online versions cited in the regulations or in Appendix A to Subpart C of Part 141 are approved.	2000		<a href="#">Standard Methods</a>

Disinfection Byproducts:

Bromate

Method	Organization	Reference Title	Date	EPA Publication Number	Source of Method
D6581-00	ASTM International	<i>Standard Test Methods for Bromate, Bromide, Chlorate and Chlorite in Drinking Water by Chemically Suppressed Ion Chromatography</i>	2000		<a href="#">ASTM International</a>

Method	Organization	Reference Title	Date	EPA Publication Number	Source of Method
D6581-08 A	ASTM International	<i>Standard Test Methods for Bromate, Bromide, Chlorate and Chlorite in Drinking Water by (Chemically) Suppressed Ion Chromatography</i>	2008		<a href="#">ASTM International</a>
D6581-08 B	ASTM International	<i>Standard Test Methods for Bromate, Bromide, Chlorate and Chlorite in Drinking Water by (Electrolytically) Suppressed Ion Chromatography</i>	2008		<a href="#">ASTM International</a>
300.1, Rev. 1.0	EPA	<i>In Methods for the Determination of Organic and Inorganic Compounds in Drinking Water, Volume I</i>	August 2000	EPA 815-R-00-014	<a href="#">National Environmental Methods Index</a>
321.8	EPA	<i>In Methods for the Determination of Organic and Inorganic Compounds in Drinking Water, Volume I</i>	August 2000	EPA 815-R-00-014	<a href="#">National Environmental Methods Index</a>
317, Rev. 2.0	EPA	<i>Determination of Inorganic Oxyhalide Disinfection Byproducts in Drinking Water using Ion Chromatography with the Addition of a Postcolumn Reagent for Trace Bromate Analysis</i>	July 2001	EPA 815-B-01-001	<a href="#">EPA 815-B-01-001</a>
326.0, Rev. 1.0	EPA	<i>Determination of Inorganic Oxyhalide Disinfection Byproducts in Drinking Water using Ion Chromatography Incorporating the Addition of a Suppressor Acidified Postcolumn Reagent for Trace Bromate Analysis</i>	June 2002	EPA 815-R-03-007	<a href="#">EPA 815-R-03-007</a>
302.0	EPA	<i>Determination of Bromate in Drinking Water using Two-Dimensional Ion Chromatography with Suppressed Conductivity Detection</i>	September 2009	EPA 815-B-09-014	<a href="#">EPA 815-B-09-014</a>
557	EPA	<i>Determination of Haloacetic Acids, Bromate, and Dalapon in Drinking Water by Ion Chromatography</i>	September 2009	EPA 815-B-09-012	<a href="#">EPA 815-B-09-012</a>

Method	Organization	Reference Title	Date	EPA Publication Number	Source of Method
		<i>Electrospray Ionization Tandem Mass Spectrometry (IC-ESI-MS/MS)</i>			

### Chlorite (Daily Monitoring)

Method	Organization	Reference Title	Date	EPA Publication Number	Source of Method
D6581-00	ASTM International	<i>Standard Test Methods for Bromate, Bromide, Chlorate and Chlorite in Drinking Water by Chemically Suppressed Ion Chromatography</i>	2000		<a href="#">ASTM International</a>
D6581-08 A	ASTM International	<i>Standard Test Methods for Bromate, Bromide, Chlorate and Chlorite in Drinking Water by (Chemically) Suppressed Ion Chromatography</i>	2008		<a href="#">ASTM International</a>
D6581-08 B	ASTM International	<i>Standard Test Methods for Bromate, Bromide, Chlorate and Chlorite in Drinking Water by (Electrolytically) Suppressed Ion Chromatography</i>	2008		<a href="#">ASTM International</a>
300.0, Rev. 2.1	EPA	<i>In Methods for the Determination of Inorganic Substances in Environmental Samples</i>	August 1993	EPA/600/R-93-100	<a href="#">National Environmental Methods Index</a>
300.1, Rev. 1.0	EPA	<i>In Methods for the Determination of Organic and Inorganic Compounds in Drinking Water, Volume I</i>	August 2000	EPA 815-R-00-014	<a href="#">National Environmental Methods Index</a>
317, Rev. 2.0	EPA	<i>Determination of Inorganic Oxyhalide Disinfection Byproducts in Drinking Water using Ion Chromatography with the Addition of a Postcolumn Reagent for Trace Bromate Analysis</i>	July 2001	EPA 815-B-01-001	<a href="#">EPA 815-B-01-001</a>
326.0, Rev. 1.0	EPA	<i>Determination of Inorganic Oxyhalide Disinfection Byproducts in Drinking Water using Ion</i>	June 2002	EPA 815-R-03-007	<a href="#">EPA 815-R-03-007</a>

Method	Organization	Reference Title	Date	EPA Publication Number	Source of Method
		<i>Chromatography Incorporating the Addition of a Suppressor Acidified Postcolumn Reagent for Trace Bromate Analysis</i>			
327, Rev. 1.1	EPA	<i>Determination of Chlorine Dioxide and Chlorite Ion in Drinking Water using Lissamine Green B and Horseradish Peroxidase with Detection by Visible Spectrometry</i>	May 2005	EPA-815-R-05-008	<a href="#">EPA-815-R-05-008</a>
ChlordioX Plus	Palintest, Ltd.	<i>Palintest ChlordioX Plus Method – Chlorine Dioxide and Chlorite in Drinking Water by Amperometry using Disposable Sensors</i>	November 2013		<a href="#">ChlordioX Plus</a>
4500-CIO <sub>2</sub> E	Standard Methods	<i>Standard Methods for the Examination of Water and Wastewater, 19<sup>th</sup> Edition</i>	1995		<a href="#">Standard Methods</a>
4500-CIO <sub>2</sub> E	Standard Methods	<i>Standard Methods for the Examination of Water and Wastewater, 20<sup>th</sup> Edition</i>	1998		<a href="#">Standard Methods</a>
4500-CIO <sub>2</sub> E	Standard Methods	<i>Standard Methods for the Examination of Water and Wastewater, 21<sup>st</sup> Edition</i>	2005		<a href="#">Standard Methods</a>
4500-CIO <sub>2</sub> E	Standard Methods	<i>Standard Methods for the Examination of Water and Wastewater, 22<sup>nd</sup> Edition</i>	2012		<a href="#">Standard Methods</a>
4500-CIO <sub>2</sub> E	Standard Methods	<i>Standard Methods for the Examination of Water and Wastewater, 23<sup>rd</sup> Edition</i>	2017		<a href="#">Standard Methods</a>
4500-CIO <sub>2</sub> E-00	Standard Methods Online	Online version. Approval year is designated by the last 2 digits. Only online versions cited in the regulations or in Appendix A to Subpart C of Part 141 are approved.	2000		<a href="#">Standard Methods</a>

## Chlorite (Distribution System Monitoring)

Method	Organization	Reference Title	Date	EPA Publication Number	Source of Method
D6581-00	ASTM International	<i>Standard Test Methods for Bromate, Bromide, Chlorate and Chlorite in Drinking Water by Chemically Suppressed Ion Chromatography</i>	2000		<a href="#">ASTM International</a>
D6581-08 A	ASTM International	<i>Standard Test Methods for Bromate, Bromide, Chlorate and Chlorite in Drinking Water by (Chemically) Suppressed Ion Chromatography</i>	2008		<a href="#">ASTM International</a>
D6581-08 B	ASTM International	<i>Standard Test Methods for Bromate, Bromide, Chlorate and Chlorite in Drinking Water by (Electrolytically) Suppressed Ion Chromatography</i>	2008		<a href="#">ASTM International</a>
300.0, Rev. 2.1	EPA	<i>In Methods for the Determination of Inorganic Substances in Environmental Samples</i>	August 1993	EPA/600/R-93-100	<a href="#">National Environmental Methods Index</a>
300.1, Rev. 1.0	EPA	<i>In Methods for the Determination of Organic and Inorganic Compounds in Drinking Water, Volume I</i>	August 2000	EPA 815-R-00-014	<a href="#">National Environmental Methods Index</a>
317, Rev. 2.0	EPA	<i>Determination of Inorganic Oxyhalide Disinfection Byproducts in Drinking Water using Ion Chromatography with the Addition of a Postcolumn Reagent for Trace Bromate Analysis</i>	July 2001	EPA 815-B-01-001	<a href="#">EPA 815-B-01-001</a>
326.0, Rev. 1.0	EPA	<i>Determination of Inorganic Oxyhalide Disinfection Byproducts in Drinking Water using Ion Chromatography Incorporating the Addition of a Suppressor Acidified Postcolumn Reagent for Trace Bromate Analysis</i>	June 2002	EPA 815-R-03-007	<a href="#">EPA 815-R-03-007</a>

## Haloacetic Acids (HAA5)

Method	Organization	Reference Title	Date	EPA Publication Number	Source of Method
552.1, Rev. 1.0	EPA	<i>In Methods for the Determination of Organic Compounds in Drinking Water – Supplement II</i>	August 1992	EPA/600/R-92-129	<a href="#">National Environmental Methods Index</a>
552.2, Rev. 1.0	EPA	<i>In Methods for the Determination of Organic Compounds in Drinking Water – Supplement III</i>	August 1995	EPA/600/R-95-131	<a href="#">National Environmental Methods Index</a>
552.3, Rev. 1.0	EPA	<i>Determination of Haloacetic Acids and Dalapon in Drinking Water by Liquid-Liquid Microextraction, Derivatization, and Gas Chromatography with Electron Capture Detection</i>	July 2003	EPA 815-B-03-002	<a href="#">EPA 815-B-03-002</a>
557	EPA	<i>Determination of Haloacetic Acids, Bromate, and Dalapon in Drinking Water by Ion Chromatography Electrospray Ionization Tandem Mass Spectrometry (IC-ESI-MS/MS)</i>	September 2009	EPA 815-B-09-012	<a href="#">EPA 815-B-09-012</a>
6251 B	Standard Methods	<i>Standard Methods for the Examination of Water and Wastewater, 19<sup>th</sup> Edition</i>	1995		<a href="#">Standard Methods</a>
6251 B	Standard Methods	<i>Standard Methods for the Examination of Water and Wastewater, 20<sup>th</sup> Edition</i>	1998		<a href="#">Standard Methods</a>
6251 B	Standard Methods	<i>Standard Methods for the Examination of Water and Wastewater, 21<sup>st</sup> Edition</i>	2005		<a href="#">Standard Methods</a>
6251 B	Standard Methods	<i>Standard Methods for the Examination of Water and Wastewater, 22<sup>nd</sup> Edition</i>	2012		<a href="#">Standard Methods</a>
6251 B	Standard Methods	<i>Standard Methods for the Examination of Water and Wastewater, 23<sup>rd</sup> Edition</i>	2017		<a href="#">Standard Methods</a>
6251 B-94	Standard Methods Online	Online version. Approval year is designated by the last 2 digits. Only online versions cited in the	1994		<a href="#">Standard Methods</a>

Method	Organization	Reference Title	Date	EPA Publication Number	Source of Method
		regulations or in Appendix A to Subpart C of Part 141 are approved.			
6251 B-07	Standard Methods Online	Online version. Approval year is designated by the last 2 digits. Only online versions cited in the regulations or in Appendix A to Subpart C of Part 141 are approved.	2007		<a href="#">Standard Methods</a>
Thermo Fisher 557.1, v. 1.0	Thermo Fisher	<i>Determination of Haloacetic Acids in Drinking Water using Two-Dimensional Ion Chromatography with Suppressed Conductivity Detection</i>	January 2017		<a href="#">Thermo Fisher 557.1, v. 1.0</a>

### Total Trihalomethanes (TTHM)

Method	Organization	Reference Title	Date	EPA Publication Number	Source of Method
502.2, Rev. 2.1	EPA	In <i>Methods for the Determination of Organic Compounds in Drinking Water – Supplement III</i>	August 1995	EPA/600/R-95-131	<a href="#">National Environmental Methods Index</a>
524.2, Rev. 4.1	EPA	In <i>Methods for the Determination of Organic Compounds in Drinking Water – Supplement III</i>	August 1995	EPA/600/R-95-131	<a href="#">National Environmental Methods Index</a>
524.3	EPA	<i>Measurement of Purgeable Organic Compounds in Water by Capillary Column Gas Chromatography/Mass Spectrometry</i>	June 2009	EPA 815-B-09-009	<a href="#">EPA 815-B-09-009</a>
524.4	EPA	<i>Measurement of Purgeable Organic Compounds in Water by Capillary Column Gas Chromatography/Mass Spectrometry using Nitrogen Purge Gas</i>	May 2013	EPA 815-R-13-002	<a href="#">EPA 815-R-13-002</a>
551.1, Rev. 1.0	EPA	In <i>Methods for the Determination of Organic Compounds in Drinking Water – Supplement III</i>	August 1995	EPA/600/R-95-131	<a href="#">National Environmental Methods Index</a>



# Water Quality Parameters

## Alkalinity

Method	Organization	Reference Title	Date	EPA Publication Number	Source of Method
D1067-92 B	ASTM International	<i>Standard Test Methods for Acidity or Alkalinity of Water: Electrometric or Color-Change Titration</i>	1992		<a href="#">ASTM International</a>
D1067-02 B	ASTM International	<i>Standard Test Methods for Acidity or Alkalinity of Water: Electrometric or Color-Change Titration</i>	2002		<a href="#">ASTM International</a>
D1067-06 B	ASTM International	<i>Standard Test Methods for Acidity or Alkalinity of Water: Electrometric or Color-Change Titration</i>	2006		<a href="#">ASTM International</a>
D1067-11 B	ASTM International	<i>Standard Test Methods for Acidity or Alkalinity of Water: Electrometric or Color-Change Titration</i>	2011		<a href="#">ASTM International</a>
D1067-16B	ASTM International	<i>Standard Test Methods for Acidity or Alkalinity of Water: Electrometric or Color-Change Titration</i>	2016		<a href="#">ASTM International</a>
2320 B	Standard Methods	<i>Standard Methods for the Examination of Water and Wastewater, 18<sup>th</sup> Edition</i>	1992		<a href="#">Standard Methods</a>
2320 B	Standard Methods	<i>Standard Methods for the Examination of Water and Wastewater, 19<sup>th</sup> Edition</i>	1995		<a href="#">Standard Methods</a>
2320 B	Standard Methods	<i>Standard Methods for the Examination of Water and Wastewater, 20<sup>th</sup> Edition</i>	1998		<a href="#">Standard Methods</a>
2320 B	Standard Methods	<i>Standard Methods for the Examination of Water and Wastewater, 21<sup>st</sup> Edition</i>	2005		<a href="#">Standard Methods</a>
2320 B	Standard Methods	<i>Standard Methods for the Examination of Water and Wastewater, 22<sup>nd</sup> Edition</i>	2012		<a href="#">Standard Methods</a>

Method	Organization	Reference Title	Date	EPA Publication Number	Source of Method
2320 B	Standard Methods	<i>Standard Methods for the Examination of Water and Wastewater, 23<sup>rd</sup> Edition</i>	2017		<a href="#">Standard Methods</a>
2320 B-97	Standard Methods Online	Online version. Approval year is designated by the last 2 digits. Only online versions cited in the regulations or in Appendix A to Subpart C of Part 141 are approved.	1997		<a href="#">Standard Methods</a>
I-1030-85	US Geological Survey	In <i>Methods for Determination of Inorganic Substances in Water and Fluvial Sediments</i> , USGS Series: Techniques of Water-Resource Investigation Report; edited by Fishman, M.J. and Friedman, L.C.	1989		<a href="#">USGS</a>

## Bromide

Method	Organization	Reference Title	Date	EPA Publication Number	Source of Method
D6581-00	ASTM International	<i>Standard Test Methods for Bromate, Bromide, Chlorate and Chlorite in Drinking Water by Chemically Suppressed Ion Chromatography</i>	2000		<a href="#">ASTM International</a>
300.0, Rev. 2.1	EPA	In <i>Methods for the Determination of Inorganic Substances in Environmental Samples</i>	August 1993	EPA/600/R-93-100	<a href="#">National Environmental Methods Index</a>
300.1, Rev. 1.0	EPA	In <i>Methods for the Determination of Organic and Inorganic Compounds in Drinking Water, Volume I</i>	August 2000	EPA 815-R-00-014	<a href="#">National Environmental Methods Index</a>
317, Rev. 2.0	EPA	<i>Determination of Inorganic Oxyhalide Disinfection Byproducts in Drinking Water using Ion Chromatography with the Addition of a Postcolumn Reagent for Trace Bromate Analysis</i>	July 2001	EPA 815-B-01-001	<a href="#">EPA 815-B-01-001</a>

Method	Organization	Reference Title	Date	EPA Publication Number	Source of Method
326.0, Rev. 1.0	EPA	<i>Determination of Inorganic Oxyhalide Disinfection Byproducts in Drinking Water using Ion Chromatography Incorporating the Addition of a Suppressor Acidified Postcolumn Reagent for Trace Bromate Analysis</i>	June 2002	EPA 815-R-03-007	<a href="#">EPA 815-R-03-007</a>

### Dissolved Organic Carbon (DOC) for SUVA

DOC samples must be filtered through a 0.45 µm filter as soon as practical after sampling (not to exceed 48 hours). After filtration, DOC samples must be acidified to pH < 2. Analyze acidified DOC samples within 28 days of sample collection. Water passed through the filtration prior to filtration serves as the filtered blank. Filtered blank DOC must be < 0.5 mg/L. Inorganic carbon must be removed from samples prior to analysis.

Method	Organization	Reference Title	Date	EPA Publication Number	Source of Method
415.3, Rev. 1.1	EPA	<i>Determination of Total Organic Carbon and Specific UV Absorbance at 254 nm in Source Water and Drinking Water</i>	February 2005	EPA/600/R-05/055	<a href="#">EPA/600/R-05/055</a>
415.3, Rev. 1.2	EPA	<i>Determination of Total Organic Carbon and Specific UV Absorbance at 254 nm in Source Water and Drinking Water</i>	September 2009	EPA/600/R-09/122	<a href="#">EPA/600/R-09/122</a>
5310 B	Standard Methods	<i>Standard Methods for the Examination of Water and Wastewater, 19<sup>th</sup> Edition</i>	1995		<a href="#">Standard Methods</a>
5310 B	Standard Methods	<i>Standard Methods for the Examination of Water and Wastewater, 20<sup>th</sup> Edition</i>	1998		<a href="#">Standard Methods</a>
5310 B	Standard Methods	<i>Standard Methods for the Examination of Water and Wastewater, 21<sup>st</sup> Edition</i>	2005		<a href="#">Standard Methods</a>
5310 B	Standard Methods	<i>Standard Methods for the Examination of Water and Wastewater, 22<sup>nd</sup> Edition</i>	2012		<a href="#">Standard Methods</a>

Method	Organization	Reference Title	Date	EPA Publication Number	Source of Method
5310 B	Standard Methods	<i>Standard Methods for the Examination of Water and Wastewater, 23<sup>rd</sup> Edition</i>	2017		<a href="#">Standard Methods</a>
5310 C	Standard Methods	<i>Standard Methods for the Examination of Water and Wastewater, 19<sup>th</sup> Edition</i>	1995		<a href="#">Standard Methods</a>
5310 C	Standard Methods	<i>Standard Methods for the Examination of Water and Wastewater, 20<sup>th</sup> Edition</i>	1998		<a href="#">Standard Methods</a>
5310 C	Standard Methods	<i>Standard Methods for the Examination of Water and Wastewater, 21<sup>st</sup> Edition</i>	2005		<a href="#">Standard Methods</a>
5310 C	Standard Methods	<i>Standard Methods for the Examination of Water and Wastewater, 22<sup>nd</sup> Edition</i>	2012		<a href="#">Standard Methods</a>
5310 C	Standard Methods	<i>Standard Methods for the Examination of Water and Wastewater, 23<sup>rd</sup> Edition</i>	2017		<a href="#">Standard Methods</a>
5310 D	Standard Methods	<i>Standard Methods for the Examination of Water and Wastewater, 19<sup>th</sup> Edition</i>	1995		<a href="#">Standard Methods</a>
5310 D	Standard Methods	<i>Standard Methods for the Examination of Water and Wastewater, 20<sup>th</sup> Edition</i>	1998		<a href="#">Standard Methods</a>
5310 D	Standard Methods	<i>Standard Methods for the Examination of Water and Wastewater, 21<sup>st</sup> Edition</i>	2005		<a href="#">Standard Methods</a>
5310 D	Standard Methods	<i>Standard Methods for the Examination of Water and Wastewater, 22<sup>nd</sup> Edition</i>	2012		<a href="#">Standard Methods</a>
5310 B-00	Standard Methods Online	Online version. Approval year is designated by the last 2 digits. Only online versions cited in the regulations or in Appendix A to Subpart C of Part 141 are approved.	2000		<a href="#">Standard Methods</a>
5310 C-00	Standard Methods Online	Online version. Approval year is designated by the last 2 digits. Only online versions cited in the	2000		<a href="#">Standard Methods</a>

Method	Organization	Reference Title	Date	EPA Publication Number	Source of Method
		regulations or in Appendix A to Subpart C of Part 141 are approved.			
5310 D-00	Standard Methods Online	Online version. Approval year is designated by the last 2 digits. Only online versions cited in the regulations or in Appendix A to Subpart C of Part 141 are approved.	2000		<a href="#">Standard Methods</a>

## Magnesium

Method	Organization	Reference Title	Date	EPA Publication Number	Source of Method
D511-93 A	ASTM International	<i>Standard Test Methods for Calcium and Magnesium in Water: Complexometric Titration</i>	1993		<a href="#">ASTM International</a>
D511-03 A	ASTM International	<i>Standard Test Methods for Calcium and Magnesium in Water: Complexometric Titration</i>	2003		<a href="#">ASTM International</a>
D511-09 A	ASTM International	<i>Standard Test Methods for Calcium and Magnesium in Water: Complexometric Titration</i>	2009		<a href="#">ASTM International</a>
D511-14 A	ASTM International	<i>Standard Test Methods for Calcium and Magnesium in Water: Complexometric Titration</i>	2014		<a href="#">ASTM International</a>
D511-93 B	ASTM International	<i>Standard Test Methods for Calcium and Magnesium in Water: Atomic Absorption Spectrometry</i>	1993		<a href="#">ASTM International</a>
D511-03 B	ASTM International	<i>Standard Test Methods for Calcium and Magnesium in Water: Atomic Absorption Spectrometry</i>	2003		<a href="#">ASTM International</a>
D511-09 B	ASTM International	<i>Standard Test Methods for Calcium and Magnesium in Water: Atomic Absorption Spectrometry</i>	2009		<a href="#">ASTM International</a>
D511-14 B	ASTM International	<i>Standard Test Methods for Calcium and Magnesium in Water: Complexometric Titration</i>	2014		<a href="#">ASTM International</a>

Method	Organization	Reference Title	Date	EPA Publication Number	Source of Method
D6919-03	ASTM International	<i>Standard Test Method for Determination of Dissolved Alkali and Alkaline Earth Cations and Ammonium in Water by Ion Chromatography</i>	2003		<a href="#">ASTM International</a>
D6919-09	ASTM International	<i>Standard Test Method for Determination of Dissolved Alkali and Alkaline Earth Cations and Ammonium in Water by Ion Chromatography</i>	2009		<a href="#">ASTM International</a>
200.5, Rev. 4.2	EPA	<i>Determination of Trace Elements in Drinking Water by Axially Viewed Inductively Coupled Plasma-Atomic Emission Spectrometry</i>	October 2003	EPA/600-R-06/115	<a href="#">EPA/600-R-06/115</a>
200.7, Rev. 4.4	EPA	<i>In Methods for the Determination of Metals in Environmental Samples, Supplement I</i>	May 1994	EPA/600/R-94/111	<a href="#">National Environmental Methods Index</a>
3111 B	Standard Methods	<i>Standard Methods for the Examination of Water and Wastewater, 18<sup>th</sup> Edition</i>	1992		<a href="#">Standard Methods</a>
3111 B	Standard Methods	<i>Standard Methods for the Examination of Water and Wastewater, 19<sup>th</sup> Edition</i>	1995		<a href="#">Standard Methods</a>
3111 B	Standard Methods	<i>Standard Methods for the Examination of Water and Wastewater, 21<sup>st</sup> Edition</i>	2005		<a href="#">Standard Methods</a>
3111 B	Standard Methods	<i>Standard Methods for the Examination of Water and Wastewater, 22<sup>nd</sup> Edition</i>	2012		<a href="#">Standard Methods</a>
3111 B	Standard Methods	<i>Standard Methods for the Examination of Water and Wastewater, 23<sup>rd</sup> Edition</i>	2017		<a href="#">Standard Methods</a>
3120 B	Standard Methods	<i>Standard Methods for the Examination of Water and Wastewater, 18<sup>th</sup> Edition</i>	1992		<a href="#">Standard Methods</a>
3120 B	Standard Methods	<i>Standard Methods for the Examination of Water and Wastewater, 19<sup>th</sup> Edition</i>	1995		<a href="#">Standard Methods</a>

Method	Organization	Reference Title	Date	EPA Publication Number	Source of Method
3120 B	Standard Methods	<i>Standard Methods for the Examination of Water and Wastewater, 20<sup>th</sup> Edition</i>	1998		<a href="#">Standard Methods</a>
3120 B	Standard Methods	<i>Standard Methods for the Examination of Water and Wastewater, 21<sup>st</sup> Edition</i>	2005		<a href="#">Standard Methods</a>
3120 B	Standard Methods	<i>Standard Methods for the Examination of Water and Wastewater, 22<sup>nd</sup> Edition</i>	2012		<a href="#">Standard Methods</a>
3120 B	Standard Methods	<i>Standard Methods for the Examination of Water and Wastewater, 23<sup>rd</sup> Edition</i>	2017		<a href="#">Standard Methods</a>
3500-Mg E	Standard Methods	<i>Standard Methods for the Examination of Water and Wastewater, 18<sup>th</sup> Edition</i>	1992		<a href="#">Standard Methods</a>
3500-Mg E	Standard Methods	<i>Standard Methods for the Examination of Water and Wastewater, 19<sup>th</sup> Edition</i>	1995		<a href="#">Standard Methods</a>
3500-Mg B	Standard Methods	<i>Standard Methods for the Examination of Water and Wastewater, 20<sup>th</sup> Edition</i>	1998		<a href="#">Standard Methods</a>
3500-Mg B	Standard Methods	<i>Standard Methods for the Examination of Water and Wastewater, 21<sup>st</sup> Edition</i>	2005		<a href="#">Standard Methods</a>
3500-Mg B	Standard Methods	<i>Standard Methods for the Examination of Water and Wastewater, 22<sup>nd</sup> Edition</i>	2012		<a href="#">Standard Methods</a>
3500-Mg B	Standard Methods	<i>Standard Methods for the Examination of Water and Wastewater, 23<sup>rd</sup> Edition</i>	2017		<a href="#">Standard Methods</a>
3111 B-99	Standard Methods Online	Online version. Approval year is designated by the last 2 digits. Only online versions cited in the regulations or in Appendix A to Subpart C of Part 141 are approved.	1999		<a href="#">Standard Methods</a>
3120 B-99	Standard Methods Online	Online version. Approval year is designated by the last 2 digits. Only online versions cited in the	1999		<a href="#">Standard Methods</a>

Method	Organization	Reference Title	Date	EPA Publication Number	Source of Method
		regulations or in Appendix A to Subpart C of Part 141 are approved.			
3500-Mg B-97	Standard Methods Online	Online version. Approval year is designated by the last 2 digits. Only online versions cited in the regulations or in Appendix A to Subpart C of Part 141 are approved.	1997		<a href="#">Standard Methods</a>

pH

Method	Organization	Reference Title	Date	EPA Publication Number	Source of Method
D1293-95	ASTM International	<i>Standard Test Methods for pH of Water</i>	1995		<a href="#">ASTM International</a>
D1293-99	ASTM International	<i>Standard Test Methods for pH of Water</i>	1999		<a href="#">ASTM International</a>
D1293-12	ASTM International	<i>Standard Test Methods for pH of Water</i>	2012		<a href="#">ASTM International</a>
150.1	EPA	In <i>Methods for Chemical Analysis of Water and Wastes</i>	March 1983	EPA/600/4-79/020	<a href="#">National Environmental Methods Index</a>
150.2	EPA	In <i>Methods for Chemical Analysis of Water and Wastes</i>	March 1983	EPA/600/4-79/020	<a href="#">National Environmental Methods Index</a>
150.3	EPA	<i>Determination of pH in Drinking Water</i>	February 2017	EPA-815-B-17-001	<a href="#">EPA-815-B-17-001</a>
4500-H <sup>+</sup> B	Standard Methods	<i>Standard Methods for the Examination of Water and Wastewater, 18<sup>th</sup> Edition</i>	1992		<a href="#">Standard Methods</a>
4500-H <sup>+</sup> B	Standard Methods	<i>Standard Methods for the Examination of Water and Wastewater, 19<sup>th</sup> Edition</i>	1995		<a href="#">Standard Methods</a>
4500-H <sup>+</sup> B	Standard Methods	<i>Standard Methods for the Examination of Water and Wastewater, 20<sup>th</sup> Edition</i>	1998		<a href="#">Standard Methods</a>
4500-H <sup>+</sup> B	Standard Methods	<i>Standard Methods for the Examination of Water and Wastewater, 21<sup>st</sup> Edition</i>	2005		<a href="#">Standard Methods</a>



Method	Organization	Reference Title	Date	EPA Publication Number	Source of Method
4500-H <sup>+</sup> B	Standard Methods	<i>Standard Methods for the Examination of Water and Wastewater, 22<sup>nd</sup> Edition</i>	2012		<a href="#">Standard Methods</a>
4500-H <sup>+</sup> B	Standard Methods	<i>Standard Methods for the Examination of Water and Wastewater, 23<sup>rd</sup> Edition</i>	2017		<a href="#">Standard Methods</a>
4500-H <sup>+</sup> B-00	Standard Methods Online	Online version. Approval year is designated by the last 2 digits. Only online versions cited in the regulations or in Appendix A to Subpart C of Part 141 are approved.	2000		<a href="#">Standard Methods</a>

SUVA

Method	Organization	Reference Title	Date	EPA Publication Number	Source of Method
415.3, Rev. 1.1	EPA	<i>Determination of Total Organic Carbon and Specific UV Absorbance at 254 nm in Source Water and Drinking Water</i>	February 2005	EPA/600/R-05/055	<a href="#">EPA/600/R-05/055</a>
415.3, Rev. 1.2	EPA	<i>Determination of Total Organic Carbon and Specific UV Absorbance at 254 nm in Source Water and Drinking Water</i>	September 2009	EPA/600/R-09/122	<a href="#">EPA/600/R-09/122</a>

Total Organic Carbon

Inorganic carbon must be removed from samples prior to analysis. TOC samples are not filtered prior to analysis. Acidify TOC samples to pH < 2 at the time of sample collection. Analyze acidified TOC samples within 28 days.

Method	Organization	Reference Title	Date	EPA Publication Number	Source of Method
415.3, Rev. 1.1	EPA	<i>Determination of Total Organic Carbon and Specific UV Absorbance at 254 nm in Source Water and Drinking Water</i>	February 2005	EPA/600/R-05/055	<a href="#">EPA/600/R-05/055</a>
415.3, Rev. 1.2	EPA	<i>Determination of Total Organic Carbon and Specific UV</i>	September 2009	EPA/600/R-09/122	<a href="#">EPA/600/R-09/122</a>

Method	Organization	Reference Title	Date	EPA Publication Number	Source of Method
		<i>Absorbance at 254 nm in Source Water and Drinking Water</i>			
Hach 10261, Rev. 1.2	Hach Company	<i>Total Organic Carbon in Finished Drinking Water by Catalyzed Ozone Hydroxyl Radical Oxidation Infrared Analysis</i>	December 2015		<a href="#">Hach 10261, Rev. 1.2</a>
Hach 10267, Rev. 1.2	Hach Company	<i>Spectrophotometric Measurement of Total Organic Carbon (TOC) in Finished Drinking Water</i>	December 2015		<a href="#">Hach 10267, Rev. 1.2</a>
5310 B	Standard Methods	<i>Standard Methods for the Examination of Water and Wastewater, 19<sup>th</sup> Edition</i>	1995		<a href="#">Standard Methods</a>
5310 B	Standard Methods	<i>Standard Methods for the Examination of Water and Wastewater, 20<sup>th</sup> Edition</i>	1998		<a href="#">Standard Methods</a>
5310 B	Standard Methods	<i>Standard Methods for the Examination of Water and Wastewater, 21<sup>st</sup> Edition</i>	2005		<a href="#">Standard Methods</a>
5310 B	Standard Methods	<i>Standard Methods for the Examination of Water and Wastewater, 22<sup>nd</sup> Edition</i>	2012		<a href="#">Standard Methods</a>
5310 B	Standard Methods	<i>Standard Methods for the Examination of Water and Wastewater, 23<sup>rd</sup> Edition</i>	2017		<a href="#">Standard Methods</a>
5310 C	Standard Methods	<i>Standard Methods for the Examination of Water and Wastewater, 19<sup>th</sup> Edition</i>	1995		<a href="#">Standard Methods</a>
5310 C	Standard Methods	<i>Standard Methods for the Examination of Water and Wastewater, 20<sup>th</sup> Edition</i>	1998		<a href="#">Standard Methods</a>
5310 C	Standard Methods	<i>Standard Methods for the Examination of Water and Wastewater, 21<sup>st</sup> Edition</i>	2005		<a href="#">Standard Methods</a>
5310 C	Standard Methods	<i>Standard Methods for the Examination of Water and Wastewater, 22<sup>nd</sup> Edition</i>	2012		<a href="#">Standard Methods</a>
5310 C	Standard Methods	<i>Standard Methods for the Examination of Water and Wastewater, 23<sup>rd</sup> Edition</i>	2017		<a href="#">Standard Methods</a>

Method	Organization	Reference Title	Date	EPA Publication Number	Source of Method
5310 D	Standard Methods	<i>Standard Methods for the Examination of Water and Wastewater, 19<sup>th</sup> Edition</i>	1995		<a href="#">Standard Methods</a>
5310 D	Standard Methods	<i>Standard Methods for the Examination of Water and Wastewater, 20<sup>th</sup> Edition</i>	1998		<a href="#">Standard Methods</a>
5310 D	Standard Methods	<i>Standard Methods for the Examination of Water and Wastewater, 21<sup>st</sup> Edition</i>	2005		<a href="#">Standard Methods</a>
5310 D	Standard Methods	<i>Standard Methods for the Examination of Water and Wastewater, 22<sup>nd</sup> Edition</i>	2012		<a href="#">Standard Methods</a>
5310 B-00	Standard Methods Online	Online version. Approval year is designated by the last 2 digits. Only online versions cited in the regulations or in Appendix A to Subpart C of Part 141 are approved.	2000		<a href="#">Standard Methods</a>
5310 C-00	Standard Methods Online	Online version. Approval year is designated by the last 2 digits. Only online versions cited in the regulations or in Appendix A to Subpart C of Part 141 are approved.	2000		<a href="#">Standard Methods</a>
5310 D-00	Standard Methods Online	Online version. Approval year is designated by the last 2 digits. Only online versions cited in the regulations or in Appendix A to Subpart C of Part 141 are approved.	2000		<a href="#">Standard Methods</a>

**UV254 for SUVA**

UV absorption must be measured at 253.7 nm (rounded to 254 nm). Prior to UV254 analysis, filter samples through 0.45 µm filter. Do not adjust pH of UV254 samples. Analyze samples as soon as practical after sampling, not to exceed 48 hours.

Method	Organization	Reference Title	Date	EPA Publication Number	Source of Method
415.3, Rev. 1.1	EPA	<i>Determination of Total Organic Carbon and Specific UV</i>	February 2005	EPA/600/R-05/055	<a href="#">EPA/600/R-05/055</a>

Method	Organization	Reference Title	Date	EPA Publication Number	Source of Method
		<i>Absorbance at 254 nm in Source Water and Drinking Water</i>			
415.3, Rev. 1.2	EPA	<i>Determination of Total Organic Carbon and Specific UV Absorbance at 254 nm in Source Water and Drinking Water</i>	September 2009	EPA/600/R-09/122	<a href="#">EPA/600/R-09/122</a>
5910 B	Standard Methods	<i>Standard Methods for the Examination of Water and Wastewater, 19<sup>th</sup> Edition</i>	1995		<a href="#">Standard Methods</a>
5910 B	Standard Methods	<i>Standard Methods for the Examination of Water and Wastewater, 20<sup>th</sup> Edition</i>	1998		<a href="#">Standard Methods</a>
5910 B	Standard Methods	<i>Standard Methods for the Examination of Water and Wastewater, 21<sup>st</sup> Edition</i>	2005		<a href="#">Standard Methods</a>
5910 B	Standard Methods	<i>Standard Methods for the Examination of Water and Wastewater, 22<sup>nd</sup> Edition</i>	2012		<a href="#">Standard Methods</a>
5910 B	Standard Methods	<i>Standard Methods for the Examination of Water and Wastewater, 23<sup>rd</sup> Edition</i>	2017		<a href="#">Standard Methods</a>
5910 B-00	Standard Methods Online	Online version. Approval year is designated by the last 2 digits. Only online versions cited in the regulations or in Appendix A to Subpart C of Part 141 are approved.	2000		<a href="#">Standard Methods</a>
5910 B-11	Standard Methods Online	Online version. Approval year is designated by the last 2 digits. Only online versions cited in the regulations or in Appendix A to Subpart C of Part 141 are approved.	2011		<a href="#">Standard Methods</a>