



Analytical Methods Recommended for Drinking Water Monitoring of Secondary Contaminants

Analysis for the following contaminants may be conducted in accordance with the methods in the following table, or their equivalent as determined by EPA. Methods for copper, fluoride, and pH are listed in 40 CFR 141.23 and methods for the remaining contaminants are in 40 CFR 143.4. Additional methods are listed in Appendix A to Subpart C of Part 141. The recommended monitoring for these contaminants is specified in 40 CFR 143.4.

The CFR is the legal reference for approved methods and takes precedent over this table. The table should accurately reflect the analytical methods information published in 40 CFR 141.23, 143.4, and Appendix A to Subpart C of Part 141. If you find discrepancies, please notify The Safe Drinking Water Hotline (800-426-4791) so that EPA can correct the table.

Contaminant	Method Organization	Method Number	Reference Title	Date	EPA Publication Number	Publication Order Number	Source of Method
Aluminum	EPA	200.5 Rev 4.2	Determination of Trace Elements in Drinking Water by Axially Viewed Inductively Coupled Plasma - Atomic Emission Spectrometry	October 2003	EPA/600/R-06/115		http://www.epa.gov/nerlcwww/ordmeth.htm
	EPA	200.7 Rev 4.4	In Methods for the Determination of Metals in Environmental Samples Supplement 1	May 1994	EPA/600/R-94/111	PB95-125472	http://www.nemi.gov
	EPA	200.8 Rev 5.4	In Methods for the Determination of Metals in Environmental Samples Supplement 1	May 1994	EPA/600/R-94/111	PB95-125472	http://www.nemi.gov
	EPA	200.9 Rev 2.2	In Methods for the Determination of Metals in Environmental Samples Supplement 1	May 1994	EPA/600/R-94/111	PB95-125472	http://www.nemi.gov
	Standard Methods	3111 D	Standard Methods for the Examination of Water and Wastewater, 18th Edition	1992			Standard Methods
	Standard Methods	3111 D	Standard Methods for the Examination of Water and Wastewater, 19th Edition	1995			Standard Methods

Contaminant	Method Organization	Method Number	Reference Title	Date	EPA Publication Number	Publication Order Number	Source of Method
Aluminum							
	Standard Methods	3111 D	Standard Methods for the Examination of Water and Wastewater, 21st Edition	2005			Standard Methods
	Standard Methods	3113 B	Standard Methods for the Examination of Water and Wastewater, 18th Edition	1992			Standard Methods
	Standard Methods	3113 B	Standard Methods for the Examination of Water and Wastewater, 19th Edition	1995			Standard Methods
	Standard Methods	3113 B	Standard Methods for the Examination of Water and Wastewater, 21st Edition	2005			Standard Methods
	Standard Methods	3120 B	Standard Methods for the Examination of Water and Wastewater, 18th Edition	1992			Standard Methods
	Standard Methods	3120 B	Standard Methods for the Examination of Water and Wastewater, 19th Edition	1995			Standard Methods
	Standard Methods	3120 B	Standard Methods for the Examination of Water and Wastewater, 20th Edition	1998			Standard Methods
	Standard Methods	3120 B	Standard Methods for the Examination of Water and Wastewater, 21st Edition	2005			Standard Methods
	Standard Methods Online	3111 D-99	Online version of Standard Methods for the Examination of Water and Wastewater. Approval year by Standard Methods Committee is designated by last 2 digits. This is the only online version that is approved.				http://www.standardmethods.org/

Contaminant	Method	Reference Title	Date	EPA Publication Number	Publication Order Number	Source of Method
Organization	Number					
Aluminum						
Standard Methods Online	3113 B-99	Online version of Standard Methods for the Examination of Water and Wastewater. Approval year by Standard Methods Committee is designated by last 2 digits. This is the only online version that is approved.				http://www.standardmethods.org/
Standard Methods Online	3120 B-99	Online version of Standard Methods for the Examination of Water and Wastewater. Approval year by Standard Methods Committee is designated by last 2 digits. This is the only online version that is approved.				http://www.standardmethods.org/
Chloride						
ASTM International	D4327-03	Annual Book of ASTM Standards, Vol. 11.01				http://www.astm.org
ASTM International	D4327-97	Annual Book of ASTM Standards, Vol. 11.01				http://www.astm.org
ASTM International	D512-04 B	Annual Book of ASTM Standards, Vol. 11.01				http://www.astm.org
ASTM International	D512-89 B (Reapproved 1999)	Annual Book of ASTM Standards, Vol. 11.01				http://www.astm.org
EPA	300.0 Rev 2.1	In Methods for the Determination of Inorganic Substances in Environmental Samples	August 1993	EPA/600/R-93/100	PB94-120821	http://www.nemi.gov
EPA	300.1 Rev 1.0	In Methods for the Determination of Organic and Inorganic Compounds in Drinking Water, Volume 1	August 2000	EPA 815-R-00-014	PB2000-106981	http://www.epa.gov/safewater/methods/analyticalmethods_ogwdw.html

Contaminant	Method Organization	Reference Title	Date	EPA Publication Number	Publication Order Number	Source of Method
Chloride	Standard Methods	4110 B	Standard Methods for the Examination of Water and Wastewater, 18th Edition	1992		Standard Methods
	Standard Methods	4110 B	Standard Methods for the Examination of Water and Wastewater, 19th Edition	1995		Standard Methods
	Standard Methods	4110 B	Standard Methods for the Examination of Water and Wastewater, 20th Edition	1998		Standard Methods
	Standard Methods	4110 B	Standard Methods for the Examination of Water and Wastewater, 21st Edition	2005		Standard Methods
	Standard Methods	4500-Cl- B	Standard Methods for the Examination of Water and Wastewater, 18th Edition	1992		Standard Methods
	Standard Methods	4500-Cl- B	Standard Methods for the Examination of Water and Wastewater, 19th Edition	1995		Standard Methods
	Standard Methods	4500-Cl- B	Standard Methods for the Examination of Water and Wastewater, 20th Edition	1998		Standard Methods
	Standard Methods	4500-Cl- B	Standard Methods for the Examination of Water and Wastewater, 21st Edition	2005		Standard Methods
	Standard Methods	4500-Cl- D	Standard Methods for the Examination of Water and Wastewater, 18th Edition	1992		Standard Methods
	Standard Methods	4500-Cl- D	Standard Methods for the Examination of Water and Wastewater, 19th Edition	1995		Standard Methods

Contaminant	Method Organization	Method Number	Reference Title	Date	EPA Publication Number	Publication Order Number	Source of Method	
Chloride	Standard Methods	4500-Cl- D	Standard Methods for the Examination of Water and Wastewater, 20th Edition	1998			Standard Methods	
	Standard Methods	4500-Cl- D	Standard Methods for the Examination of Water and Wastewater, 21st Edition	2005			Standard Methods	
	Standard Methods Online	4110 B-00	Online version of Standard Methods for the Examination of Water and Wastewater. Approval year by Standard Methods Committee is designated by last 2 digits. This is the only online version that is approved.				http://www.standardmethods.org/	
	Standard Methods Online	4500-Cl- B-97	Online version of Standard Methods for the Examination of Water and Wastewater. Approval year by Standard Methods Committee is designated by last 2 digits. This is the only online version that is approved.				http://www.standardmethods.org/	
	Standard Methods Online	4500-Cl- D-97	Online version of Standard Methods for the Examination of Water and Wastewater. Approval year by Standard Methods Committee is designated by last 2 digits. This is the only online version that is approved.				http://www.standardmethods.org/	
	Waters Corporation	Method D6508, Revision 2	Test Method for Determination of Dissolved Inorganic Anions in Aqueous Matrices Using Capillary Ion Electrophoresis and Chromate Electrolyte					Waters Corporation

Contaminant	Method Organization	Method Number	Reference Title	Date	EPA Publication Number	Publication Order Number	Source of Method
Color	Standard Methods	2120 B	Standard Methods for the Examination of Water and Wastewater, 18th Edition	1992			Standard Methods
	Standard Methods	2120 B	Standard Methods for the Examination of Water and Wastewater, 19th Edition	1995			Standard Methods
	Standard Methods	2120 B	Standard Methods for the Examination of Water and Wastewater, 20th Edition	1998			Standard Methods
	Standard Methods	2120 B	Standard Methods for the Examination of Water and Wastewater, 21st Edition	2005			Standard Methods
	Standard Methods Online	2120 B-01	Online version of Standard Methods for the Examination of Water and Wastewater. Approval year by Standard Methods Committee is designated by last 2 digits. This is the only online version that is approved.				http://www.standardmethods.org/
	Copper	ASTM International	D1688-02 A	Annual Book of ASTM Standards, Vol. 11.01			
ASTM International		D1688-02 C	Annual Book of ASTM Standards, Vol. 11.01				http://www.astm.org
ASTM International		D1688-90 A	Annual Book of ASTM Standards, Vol. 11.01				ASTM International (ASTM)
ASTM International		D1688-90 C	Annual Book of ASTM Standards, Vol. 11.01				ASTM International (ASTM)
ASTM International		D1688-95 A	Annual Book of ASTM Standards, Vol. 11.01				http://www.astm.org

Contaminant	Method	Reference Title	Date	EPA Publication Number	Publication Order Number	Source of Method
Organization	Number					
Copper						
ASTM International	D1688-95 C	Annual Book of ASTM Standards, Vol. 11.01				http://www.astm.org
EPA	200.5 Rev 4.2	Determination of Trace Elements in Drinking Water by Axially Viewed Inductively Coupled Plasma - Atomic Emission Spectrometry	October 2003	EPA/600/R-06/115		http://www.epa.gov/nerlcwww/ordmeth.htm
EPA	200.7 Rev 4.4	In Methods for the Determination of Metals in Environmental Samples Supplement 1	May 1994	EPA/600/R-94/111	PB95-125472	http://www.nemi.gov
EPA	200.8 Rev 5.4	In Methods for the Determination of Metals in Environmental Samples Supplement 1	May 1994	EPA/600/R-94/111	PB95-125472	http://www.nemi.gov
EPA	200.9 Rev 2.2	In Methods for the Determination of Metals in Environmental Samples Supplement 1	May 1994	EPA/600/R-94/111	PB95-125472	http://www.nemi.gov
Standard Methods	3111 B	Standard Methods for the Examination of Water and Wastewater, 18th Edition	1992			Standard Methods
Standard Methods	3111 B	Standard Methods for the Examination of Water and Wastewater, 19th Edition	1995			Standard Methods
Standard Methods	3111 B	Standard Methods for the Examination of Water and Wastewater, 21st Edition	2005			Standard Methods
Standard Methods	3113 B	Standard Methods for the Examination of Water and Wastewater, 18th Edition	1992			Standard Methods

Contaminant	Method Organization	Reference Title	Date	EPA Publication Number	Publication Order Number	Source of Method
Copper						
Standard Methods	3113 B	Standard Methods for the Examination of Water and Wastewater, 19th Edition	1995			Standard Methods
Standard Methods	3113 B	Standard Methods for the Examination of Water and Wastewater, 21st Edition	2005			Standard Methods
Standard Methods	3120 B	Standard Methods for the Examination of Water and Wastewater, 18th Edition	1992			Standard Methods
Standard Methods	3120 B	Standard Methods for the Examination of Water and Wastewater, 19th Edition	1995			Standard Methods
Standard Methods	3120 B	Standard Methods for the Examination of Water and Wastewater, 20th Edition	1998			Standard Methods
Standard Methods	3120 B	Standard Methods for the Examination of Water and Wastewater, 21st Edition	2005			Standard Methods
Standard Methods Online	3111 B-99	Online version of Standard Methods for the Examination of Water and Wastewater. Approval year by Standard Methods Committee is designated by last 2 digits. This is the only online version that is approved.				http://www.standardmethods.org/
Standard Methods Online	3113 B-99	Online version of Standard Methods for the Examination of Water and Wastewater. Approval year by Standard Methods Committee is designated by last 2 digits. This is the only online version that is approved.				http://www.standardmethods.org/

Contaminant	Method	Reference Title	Date	EPA Publication Number	Publication Order Number	Source of Method
Organization	Number					
Copper						
Standard Methods Online	3120 B-99	Online version of Standard Methods for the Examination of Water and Wastewater. Approval year by Standard Methods Committee is designated by last 2 digits. This is the only online version that is approved.				http://www.standardmethods.org/
Fluoride						
ASTM International	D1179-04 B	Annual Book of ASTM Standards, Vol. 11.01				http://www.astm.org
ASTM International	D1179-93 B	Annual Book of ASTM Standards, Vol. 11.01				ASTM International (ASTM)
ASTM International	D1179-99 B	Annual Book of ASTM Standards, Vol. 11.01				http://www.astm.org
ASTM International	D4327-03	Annual Book of ASTM Standards, Vol. 11.01				http://www.astm.org
ASTM International	D4327-97	Annual Book of ASTM Standards, Vol. 11.01				http://www.astm.org
Bran + Luebbe	129-71W	Fluoride in Water and Wastewater	December 1972			Bran+Luebbe
Bran + Luebbe	380-75WE	Fluoride in Water and Wastewater	February 1976			Bran+Luebbe
EPA	300.0 Rev 2.1	In Methods for the Determination of Inorganic Substances in Environmental Samples	August 1993	EPA/600/R-93/100	PB94-120821	http://www.nemi.gov
EPA	300.1 Rev 1.0	In Methods for the Determination of Organic and Inorganic Compounds in Drinking Water, Volume 1	August 2000	EPA 815-R-00-014	PB2000-106981	http://www.epa.gov/safewater/methods/analyticalmethods_ogwdw.html

Contaminant	Method Organization	Method Number	Reference Title	Date	EPA Publication Number	Publication Order Number	Source of Method
Fluoride	Standard Methods	4110 B	Standard Methods for the Examination of Water and Wastewater, 18th Edition	1992			Standard Methods
	Standard Methods	4110 B	Standard Methods for the Examination of Water and Wastewater, 19th Edition	1995			Standard Methods
	Standard Methods	4110 B	Standard Methods for the Examination of Water and Wastewater, 20th Edition	1998			Standard Methods
	Standard Methods	4110 B	Standard Methods for the Examination of Water and Wastewater, 21st Edition	2005			Standard Methods
	Standard Methods	4500-F- B	Standard Methods for the Examination of Water and Wastewater, 18th Edition	1992			Standard Methods
	Standard Methods	4500-F- B	Standard Methods for the Examination of Water and Wastewater, 19th Edition	1995			Standard Methods
	Standard Methods	4500-F- B	Standard Methods for the Examination of Water and Wastewater, 20th Edition	1998			Standard Methods
	Standard Methods	4500-F- B	Standard Methods for the Examination of Water and Wastewater, 21st Edition	2005			Standard Methods
	Standard Methods	4500-F- C	Standard Methods for the Examination of Water and Wastewater, 18th Edition	1992			Standard Methods
	Standard Methods	4500-F- C	Standard Methods for the Examination of Water and Wastewater, 19th Edition	1995			Standard Methods

Contaminant	Method Organization	Method Number	Reference Title	Date	EPA Publication Number	Publication Order Number	Source of Method
Fluoride	Standard Methods	4500-F- C	Standard Methods for the Examination of Water and Wastewater, 20th Edition	1998			Standard Methods
	Standard Methods	4500-F- C	Standard Methods for the Examination of Water and Wastewater, 21st Edition	2005			Standard Methods
	Standard Methods	4500-F- D	Standard Methods for the Examination of Water and Wastewater, 18th Edition	1992			Standard Methods
	Standard Methods	4500-F- D	Standard Methods for the Examination of Water and Wastewater, 19th Edition	1995			Standard Methods
	Standard Methods	4500-F- D	Standard Methods for the Examination of Water and Wastewater, 20th Edition	1998			Standard Methods
	Standard Methods	4500-F- D	Standard Methods for the Examination of Water and Wastewater, 21st Edition	2005			Standard Methods
	Standard Methods	4500-F- E	Standard Methods for the Examination of Water and Wastewater, 18th Edition	1992			Standard Methods
	Standard Methods	4500-F- E	Standard Methods for the Examination of Water and Wastewater, 19th Edition	1995			Standard Methods
	Standard Methods	4500-F- E	Standard Methods for the Examination of Water and Wastewater, 20th Edition	1998			Standard Methods
	Standard Methods	4500-F- E	Standard Methods for the Examination of Water and Wastewater, 21st Edition	2005			Standard Methods

Contaminant	Method	Reference Title	Date	EPA Publication Number	Publication Order Number	Source of Method
Organization	Number					
Fluoride						
Standard Methods Online	4110 B-00	Online version of Standard Methods for the Examination of Water and Wastewater. Approval year by Standard Methods Committee is designated by last 2 digits. This is the only online version that is approved.				http://www.standardmethods.org/
Standard Methods Online	4500-F- B-97	Online version of Standard Methods for the Examination of Water and Wastewater. Approval year by Standard Methods Committee is designated by last 2 digits. This is the only online version that is approved.				http://www.standardmethods.org/
Standard Methods Online	4500-F- C-97	Online version of Standard Methods for the Examination of Water and Wastewater. Approval year by Standard Methods Committee is designated by last 2 digits. This is the only online version that is approved.				http://www.standardmethods.org/
Standard Methods Online	4500-F- D-97	Online version of Standard Methods for the Examination of Water and Wastewater. Approval year by Standard Methods Committee is designated by last 2 digits. This is the only online version that is approved.				http://www.standardmethods.org/

Contaminant	Method Organization	Method Number	Reference Title	Date	EPA Publication Number	Publication Order Number	Source of Method
Fluoride							
	Standard Methods Online	4500-F- E-97	Online version of Standard Methods for the Examination of Water and Wastewater. Approval year by Standard Methods Committee is designated by last 2 digits. This is the only online version that is approved.				http://www.standardmethods.org/
	Waters Corporation	Method D6508, Revision 2	Test Method for Determination of Dissolved Inorganic Anions in Aqueous Matrices Using Capillary Ion Electrophoresis and Chromate Electrolyte				Waters Corporation
Foaming Agents							
	Standard Methods	5540 C	Standard Methods for the Examination of Water and Wastewater, 18th Edition	1992			Standard Methods
	Standard Methods	5540 C	Standard Methods for the Examination of Water and Wastewater, 19th Edition Supplement	1996			Standard Methods
	Standard Methods	5540 C	Standard Methods for the Examination of Water and Wastewater, 20th Edition	1998			Standard Methods
	Standard Methods	5540 C	Standard Methods for the Examination of Water and Wastewater, 21st Edition	2005			Standard Methods
	Standard Methods Online	5540 C-00	Online version of Standard Methods for the Examination of Water and Wastewater. Approval year by Standard Methods Committee is designated by last 2 digits. This is the only online version that is approved.				http://www.standardmethods.org/

Contaminant	Method Organization	Method Number	Reference Title	Date	EPA Publication Number	Publication Order Number	Source of Method
Iron	EPA	200.5 Rev 4.2	Determination of Trace Elements in Drinking Water by Axially Viewed Inductively Coupled Plasma - Atomic Emission Spectrometry	October 2003	EPA/600/R-06/115		http://www.epa.gov/nerlcwww/ordmeth.htm
	EPA	200.7 Rev 4.4	In Methods for the Determination of Metals in Environmental Samples Supplement 1	May 1994	EPA/600/R-94/111	PB95-125472	http://www.nemi.gov
	EPA	200.9 Rev 2.2	In Methods for the Determination of Metals in Environmental Samples Supplement 1	May 1994	EPA/600/R-94/111	PB95-125472	http://www.nemi.gov
	Standard Methods	3111 B	Standard Methods for the Examination of Water and Wastewater, 18th Edition	1992			Standard Methods
	Standard Methods	3111 B	Standard Methods for the Examination of Water and Wastewater, 19th Edition	1995			Standard Methods
	Standard Methods	3111 B	Standard Methods for the Examination of Water and Wastewater, 21st Edition	2005			Standard Methods
	Standard Methods	3113 B	Standard Methods for the Examination of Water and Wastewater, 18th Edition	1992			Standard Methods
	Standard Methods	3113 B	Standard Methods for the Examination of Water and Wastewater, 19th Edition	1995			Standard Methods
	Standard Methods	3113 B	Standard Methods for the Examination of Water and Wastewater, 21st Edition	2005			Standard Methods

Contaminant	Method Organization	Method Number	Reference Title	Date	EPA Publication Number	Publication Order Number	Source of Method
Iron							
	Standard Methods	3120 B	Standard Methods for the Examination of Water and Wastewater, 18th Edition	1992			Standard Methods
	Standard Methods	3120 B	Standard Methods for the Examination of Water and Wastewater, 19th Edition	1995			Standard Methods
	Standard Methods	3120 B	Standard Methods for the Examination of Water and Wastewater, 20th Edition	1998			Standard Methods
	Standard Methods	3120 B	Standard Methods for the Examination of Water and Wastewater, 21st Edition	2005			Standard Methods
	Standard Methods Online	3111 B-99	Online version of Standard Methods for the Examination of Water and Wastewater. Approval year by Standard Methods Committee is designated by last 2 digits. This is the only online version that is approved.				http://www.standardmethods.org/
	Standard Methods Online	3113 B-99	Online version of Standard Methods for the Examination of Water and Wastewater. Approval year by Standard Methods Committee is designated by last 2 digits. This is the only online version that is approved.				http://www.standardmethods.org/
	Standard Methods Online	3120 B-99	Online version of Standard Methods for the Examination of Water and Wastewater. Approval year by Standard Methods Committee is designated by last 2 digits. This is the only online version that is approved.				http://www.standardmethods.org/

Contaminant	Method	Reference Title	Date	EPA Publication Number	Publication Order Number	Source of Method
Organization	Number					
Manganese						
EPA	200.5 Rev 4.2	Determination of Trace Elements in Drinking Water by Axially Viewed Inductively Coupled Plasma - Atomic Emission Spectrometry	October 2003	EPA/600/R-06/115		http://www.epa.gov/nerlcwww/ordmeth.htm
EPA	200.7 Rev 4.4	In Methods for the Determination of Metals in Environmental Samples Supplement 1	May 1994	EPA/600/R-94/111	PB95-125472	http://www.nemi.gov
EPA	200.8 Rev 5.4	In Methods for the Determination of Metals in Environmental Samples Supplement 1	May 1994	EPA/600/R-94/111	PB95-125472	http://www.nemi.gov
EPA	200.9 Rev 2.2	In Methods for the Determination of Metals in Environmental Samples Supplement 1	May 1994	EPA/600/R-94/111	PB95-125472	http://www.nemi.gov
Standard Methods	3111 B	Standard Methods for the Examination of Water and Wastewater, 18th Edition	1992			Standard Methods
Standard Methods	3111 B	Standard Methods for the Examination of Water and Wastewater, 19th Edition	1995			Standard Methods
Standard Methods	3111 B	Standard Methods for the Examination of Water and Wastewater, 21st Edition	2005			Standard Methods
Standard Methods	3113 B	Standard Methods for the Examination of Water and Wastewater, 18th Edition	1992			Standard Methods
Standard Methods	3113 B	Standard Methods for the Examination of Water and Wastewater, 19th Edition	1995			Standard Methods

Contaminant	Method Organization	Method Number	Reference Title	Date	EPA Publication Number	Publication Order Number	Source of Method
Manganese							
	Standard Methods	3113 B	Standard Methods for the Examination of Water and Wastewater, 21st Edition	2005			Standard Methods
	Standard Methods	3120 B	Standard Methods for the Examination of Water and Wastewater, 18th Edition	1992			Standard Methods
	Standard Methods	3120 B	Standard Methods for the Examination of Water and Wastewater, 19th Edition	1995			Standard Methods
	Standard Methods	3120 B	Standard Methods for the Examination of Water and Wastewater, 20th Edition	1998			Standard Methods
	Standard Methods	3120 B	Standard Methods for the Examination of Water and Wastewater, 21st Edition	2005			Standard Methods
	Standard Methods Online	3111 B-99	Online version of Standard Methods for the Examination of Water and Wastewater. Approval year by Standard Methods Committee is designated by last 2 digits. This is the only online version that is approved.				http://www.standardmethods.org/
	Standard Methods Online	3113 B-99	Online version of Standard Methods for the Examination of Water and Wastewater. Approval year by Standard Methods Committee is designated by last 2 digits. This is the only online version that is approved.				http://www.standardmethods.org/

Contaminant	Method	Reference Title	Date	EPA Publication Number	Publication Order Number	Source of Method
Organization	Number					
Manganese						
Standard Methods Online	3120 B-99	Online version of Standard Methods for the Examination of Water and Wastewater. Approval year by Standard Methods Committee is designated by last 2 digits. This is the only online version that is approved.				http://www.standardmethods.org/
Odor						
Standard Methods	2150 B	Standard Methods for the Examination of Water and Wastewater, 18th Edition	1992			Standard Methods
Standard Methods	2150 B	Standard Methods for the Examination of Water and Wastewater, 19th Edition	1995			Standard Methods
Standard Methods	2150 B	Standard Methods for the Examination of Water and Wastewater, 20th Edition	1998			Standard Methods
Standard Methods	2150 B	Standard Methods for the Examination of Water and Wastewater, 21st Edition	2005			Standard Methods
Standard Methods Online	2150 B-97	Online version of Standard Methods for the Examination of Water and Wastewater. Approval year by Standard Methods Committee is designated by last 2 digits. This is the only online version that is approved.				http://www.standardmethods.org/
pH						
ASTM International	D1293-84	Annual Book of ASTM Standards, Vol. 11.01				ASTM International (ASTM)

Contaminant	Method	Reference Title	Date	EPA Publication Number	Publication Order Number	Source of Method
Organization	Number					
pH						
ASTM International	D1293-95	Annual Book of ASTM Standards, Vol. 11.01				ASTM International (ASTM)
ASTM International	D1293-99	Annual Book of ASTM Standards, Vol. 11.01				http://www.astm.org
EPA	150.1	In Methods for Chemical Analysis of Water and Wastes	March 1983	EPA/600/4-79/020	PB84-128677	http://www.nemi.gov
EPA	150.2	In Methods for Chemical Analysis of Water and Wastes	March 1983	EPA/600/4-79/020	PB84-128677	http://www.nemi.gov
Standard Methods	4500-H+ B	Standard Methods for the Examination of Water and Wastewater, 18th Edition	1992			Standard Methods
Standard Methods	4500-H+ B	Standard Methods for the Examination of Water and Wastewater, 19th Edition	1995			Standard Methods
Standard Methods	4500-H+ B	Standard Methods for the Examination of Water and Wastewater, 20th Edition	1998			Standard Methods
Standard Methods	4500-H+ B	Standard Methods for the Examination of Water and Wastewater, 21st Edition	2005			Standard Methods
Standard Methods Online	4500-H+ B-00	Online version of Standard Methods for the Examination of Water and Wastewater. Approval year by Standard Methods Committee is designated by last 2 digits. This is the only online version that is approved.				http://www.standardmethods.org/

Contaminant	Method	Reference Title	Date	EPA Publication Number	Publication Order Number	Source of Method
Organization	Number					
Silver						
EPA	200.5 Rev 4.2	Determination of Trace Elements in Drinking Water by Axially Viewed Inductively Coupled Plasma - Atomic Emission Spectrometry	October 2003	EPA/600/R-06/115		http://www.epa.gov/nerlcwww/ordmeth.htm
EPA	200.7 Rev 4.4	In Methods for the Determination of Metals in Environmental Samples Supplement 1	May 1994	EPA/600/R-94/111	PB95-125472	http://www.nemi.gov
EPA	200.8 Rev 5.4	In Methods for the Determination of Metals in Environmental Samples Supplement 1	May 1994	EPA/600/R-94/111	PB95-125472	http://www.nemi.gov
EPA	200.9 Rev 2.2	In Methods for the Determination of Metals in Environmental Samples Supplement 1	May 1994	EPA/600/R-94/111	PB95-125472	http://www.nemi.gov
Standard Methods	3111 B	Standard Methods for the Examination of Water and Wastewater, 18th Edition	1992			Standard Methods
Standard Methods	3111 B	Standard Methods for the Examination of Water and Wastewater, 19th Edition	1995			Standard Methods
Standard Methods	3111 B	Standard Methods for the Examination of Water and Wastewater, 21st Edition	2005			Standard Methods
Standard Methods	3113 B	Standard Methods for the Examination of Water and Wastewater, 18th Edition	1992			Standard Methods
Standard Methods	3113 B	Standard Methods for the Examination of Water and Wastewater, 19th Edition	1995			Standard Methods

Contaminant	Method Organization	Method Number	Reference Title	Date	EPA Publication Number	Publication Order Number	Source of Method
Silver							
	Standard Methods	3113 B	Standard Methods for the Examination of Water and Wastewater, 21st Edition	2005			Standard Methods
	Standard Methods	3120 B	Standard Methods for the Examination of Water and Wastewater, 18th Edition	1992			Standard Methods
	Standard Methods	3120 B	Standard Methods for the Examination of Water and Wastewater, 19th Edition	1995			Standard Methods
	Standard Methods	3120 B	Standard Methods for the Examination of Water and Wastewater, 20th Edition	1998			Standard Methods
	Standard Methods	3120 B	Standard Methods for the Examination of Water and Wastewater, 21st Edition	2005			Standard Methods
	Standard Methods Online	3111 B-99	Online version of Standard Methods for the Examination of Water and Wastewater. Approval year by Standard Methods Committee is designated by last 2 digits. This is the only online version that is approved.				http://www.standardmethods.org/
	Standard Methods Online	3113 B-99	Online version of Standard Methods for the Examination of Water and Wastewater. Approval year by Standard Methods Committee is designated by last 2 digits. This is the only online version that is approved.				http://www.standardmethods.org/

Contaminant	Method Organization	Method Number	Reference Title	Date	EPA Publication Number	Publication Order Number	Source of Method
Silver	Standard Methods Online	3120 B-99	Online version of Standard Methods for the Examination of Water and Wastewater. Approval year by Standard Methods Committee is designated by last 2 digits. This is the only online version that is approved.				http://www.standardmethods.org/
	U.S. Geological Survey	I-3720-85	In Methods for Determination of Inorganic Substances in Water and Fluvial Sediments, USGS Series: Techniques of Water-Resource Investigation Report; edited by Fishman, M.J. & Friedman, L.C.	1989		05-A1	http://infotrek.er.usgs.gov/pubs/
Sulfate	ASTM International	D4327-03	Annual Book of ASTM Standards, Vol. 11.01				http://www.astm.org
	ASTM International	D4327-97	Annual Book of ASTM Standards, Vol. 11.01				http://www.astm.org
	ASTM International	D516-02	Annual Book of ASTM Standards, Vol. 11.01				http://www.astm.org
	ASTM International	D516-07	Annual Book of ASTM Standards, Vol. 11.01				http://www.astm.org
	ASTM International	D516-90	Annual Book of ASTM Standards, Vol. 11.01				ASTM International (ASTM)
	EPA	300.0 Rev 2.1	In Methods for the Determination of Inorganic Substances in Environmental Samples	August 1993	EPA/600/R-93/100	PB94-120821	

Contaminant	Method	Reference Title	Date	EPA Publication Number	Publication Order Number	Source of Method
Organization	Number					
Sulfate						
EPA	300.1 Rev 1.0	In Methods for the Determination of Organic and Inorganic Compounds in Drinking Water, Volume 1	August 2000	EPA 815-R-00-014	PB2000-106981	http://www.epa.gov/safewater/methods/analyticalmethods_ogwdw.html
EPA	375.2 Rev 2.0	In Methods for the Determination of Inorganic Substances in Environmental Samples	August 1993	EPA/600/R-93/100	PB94-120821	http://www.nemi.gov
Standard Methods	4110 B	Standard Methods for the Examination of Water and Wastewater, 18th Edition	1992			Standard Methods
Standard Methods	4110 B	Standard Methods for the Examination of Water and Wastewater, 19th Edition	1995			Standard Methods
Standard Methods	4110 B	Standard Methods for the Examination of Water and Wastewater, 20th Edition	1998			Standard Methods
Standard Methods	4110 B	Standard Methods for the Examination of Water and Wastewater, 21st Edition	2005			Standard Methods
Standard Methods	4500-SO42- C	Standard Methods for the Examination of Water and Wastewater, 18th Edition	1992			Standard Methods
Standard Methods	4500-SO42- C	Standard Methods for the Examination of Water and Wastewater, 19th Edition	1995			Standard Methods
Standard Methods	4500-SO42- C	Standard Methods for the Examination of Water and Wastewater, 20th Edition	1998			Standard Methods
Standard Methods	4500-SO42- C	Standard Methods for the Examination of Water and Wastewater, 21st Edition	2005			Standard Methods

Contaminant	Method	Organization	Reference Title	Date	EPA Publication Number	Publication Order Number	Source of Method
Sulfate							
	Standard Methods	4500-SO42- D	Standard Methods for the Examination of Water and Wastewater, 18th Edition	1992			Standard Methods
	Standard Methods	4500-SO42- D	Standard Methods for the Examination of Water and Wastewater, 19th Edition	1995			Standard Methods
	Standard Methods	4500-SO42- D	Standard Methods for the Examination of Water and Wastewater, 20th Edition	1998			Standard Methods
	Standard Methods	4500-SO42- D	Standard Methods for the Examination of Water and Wastewater, 21st Edition	2005			Standard Methods
	Standard Methods	4500-SO42- E	Standard Methods for the Examination of Water and Wastewater, 18th Edition	1992			Standard Methods
	Standard Methods	4500-SO42- E	Standard Methods for the Examination of Water and Wastewater, 19th Edition	1995			Standard Methods
	Standard Methods	4500-SO42- E	Standard Methods for the Examination of Water and Wastewater, 20th Edition	1998			Standard Methods
	Standard Methods	4500-SO42- E	Standard Methods for the Examination of Water and Wastewater, 21st Edition	2005			Standard Methods
	Standard Methods	4500-SO42- F	Standard Methods for the Examination of Water and Wastewater, 18th Edition	1992			Standard Methods
	Standard Methods	4500-SO42- F	Standard Methods for the Examination of Water and Wastewater, 19th Edition	1995			Standard Methods

Contaminant	Method	Reference Title	Date	EPA Publication Number	Publication Order Number	Source of Method
Organization	Number					
Sulfate						
Standard Methods	4500-SO42- F	Standard Methods for the Examination of Water and Wastewater, 20th Edition	1998			Standard Methods
Standard Methods	4500-SO42- F	Standard Methods for the Examination of Water and Wastewater, 21st Edition	2005			Standard Methods
Standard Methods Online	4110 B-00	Online version of Standard Methods for the Examination of Water and Wastewater. Approval year by Standard Methods Committee is designated by last 2 digits. This is the only online version that is approved.				http://www.standardmethods.org/
Standard Methods Online	4500-SO42- C-97	Online version of Standard Methods for the Examination of Water and Wastewater. Approval year by Standard Methods Committee is designated by last 2 digits. This is the only online version that is approved.				http://www.standardmethods.org/
Standard Methods Online	4500-SO42- D-97	Online version of Standard Methods for the Examination of Water and Wastewater. Approval year by Standard Methods Committee is designated by last 2 digits. This is the only online version that is approved.				http://www.standardmethods.org/

Contaminant	Method	Reference Title	Date	EPA Publication Number	Publication Order Number	Source of Method
Organization	Number					
Sulfate						
Standard Methods Online	4500-SO42- E-97	Online version of Standard Methods for the Examination of Water and Wastewater. Approval year by Standard Methods Committee is designated by last 2 digits. This is the only online version that is approved.				http://www.standardmethods.org/
Standard Methods Online	4500-SO42- F-97	Online version of Standard Methods for the Examination of Water and Wastewater. Approval year by Standard Methods Committee is designated by last 2 digits. This is the only online version that is approved.				http://www.standardmethods.org/
Waters Corporation	Method D6508, Revision 2	Test Method for Determination of Dissolved Inorganic Anions in Aqueous Matrices Using Capillary Ion Electrophoresis and Chromate Electrolyte				Waters Corporation
TDS						
Standard Methods	2540 C	Standard Methods for the Examination of Water and Wastewater, 18th Edition	1992			Standard Methods
Standard Methods	2540 C	Standard Methods for the Examination of Water and Wastewater, 19th Edition	1995			Standard Methods
Standard Methods	2540 C	Standard Methods for the Examination of Water and Wastewater, 20th Edition	1998			Standard Methods
Standard Methods	2540 C	Standard Methods for the Examination of Water and Wastewater, 21st Edition	2005			Standard Methods

Contaminant	Method	Reference Title	Date	EPA Publication Number	Publication Order Number	Source of Method
Organization	Number					
TDS						
Standard Methods Online	2540 C-97	Online version of Standard Methods for the Examination of Water and Wastewater. Approval year by Standard Methods Committee is designated by last 2 digits. This is the only online version that is approved.				http://www.standardmethods.org/
Zinc						
EPA	200.5 Rev 4.2	Determination of Trace Elements in Drinking Water by Axially Viewed Inductively Coupled Plasma - Atomic Emission Spectrometry	October 2003	EPA/600/R-06/115		http://www.epa.gov/nerlcwww/ordmeth.htm
EPA	200.7 Rev 4.4	In Methods for the Determination of Metals in Environmental Samples Supplement 1	May 1994	EPA/600/R-94/111	PB95-125472	http://www.nemi.gov
EPA	200.8 Rev 5.4	In Methods for the Determination of Metals in Environmental Samples Supplement 1	May 1994	EPA/600/R-94/111	PB95-125472	http://www.nemi.gov
Standard Methods	3111 B	Standard Methods for the Examination of Water and Wastewater, 18th Edition	1992			Standard Methods
Standard Methods	3111 B	Standard Methods for the Examination of Water and Wastewater, 19th Edition	1995			Standard Methods
Standard Methods	3111 B	Standard Methods for the Examination of Water and Wastewater, 21st Edition	2005			Standard Methods
Standard Methods	3120 B	Standard Methods for the Examination of Water and Wastewater, 18th Edition	1992			Standard Methods

Contaminant	Method Organization	Method Number	Reference Title	Date	EPA Publication Number	Publication Order Number	Source of Method
Zinc	Standard Methods	3120 B	Standard Methods for the Examination of Water and Wastewater, 19th Edition	1995			Standard Methods
	Standard Methods	3120 B	Standard Methods for the Examination of Water and Wastewater, 20th Edition	1998			Standard Methods
	Standard Methods	3120 B	Standard Methods for the Examination of Water and Wastewater, 21st Edition	2005			Standard Methods
	Standard Methods Online	3111 B-99	Online version of Standard Methods for the Examination of Water and Wastewater. Approval year by Standard Methods Committee is designated by last 2 digits. This is the only online version that is approved.				http://www.standardmethods.org/
	Standard Methods Online	3120 B-99	Online version of Standard Methods for the Examination of Water and Wastewater. Approval year by Standard Methods Committee is designated by last 2 digits. This is the only online version that is approved.				http://www.standardmethods.org/

Contact information for methods that are not available on the Internet are summarized in the report titled "Sources of Approved Analytical Methods for National Drinking Water Regulations."