Analytical Methods Approved for Drinking Water Compliance Monitoring of Inorganic Contaminants and Other Inorganic Constituents

Analysis for the following contaminants and other constituents 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 141.23 and Appendix A to Subpart C of Part 141. The monitoring requirements are specified in 40 CFR 141.23, 141.41, 141.86 - 141.88, and 141.135.

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. If you find discrepancies, please notify The Safe Drinking Water Hotline (800-426-4791) so that EPA can correct the table.

Contaminant Organization	Method Number	Reference Title	Date	EPA Publication Number	Publication Order Number	Source of Method
Alkalinity						
ASTM International	D1067-02 B	Annual Book of ASTM Standards, Vol. 11.01				http://www.astm.org
ASTM International	D1067-06 B	Annual Book of ASTM Standards, Vol. 11.01				http://www.astm.org
ASTM International	D1067-92 B	Annual Book of ASTM Standards, Vol. 11.01				http://www.astm.org
Standard Methods	2320 B	Standard Methods for the Examination of Water and Wastewater, 18th Edition	1992			Standard Methods
Standard Methods	2320 B	Standard Methods for the Examination of Water and Wastewater, 19th Edition	1995			Standard Methods
Standard Methods	2320 B	Standard Methods for the Examination of Water and Wastewater, 20th Edition	1998			Standard Methods
Standard Methods	2320 B	Standard Methods for the Examination of Water and Wastewater, 21st Edition	2005			Standard Methods

Contaminant / Organization	Method Number	Reference Title	Date	EPA Publication Number	Publication Order Number	Source of Method
Alkalinity						
Standard Methods Online	2320 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/
U.S. Geological Survey	I-1030-85	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/
Antimony						
ASTM International	D 3697-07	Annual Book of ASTM Standards, Vol. 11.01				http://www.astm.org
ASTM International	D3697-02	Annual Book of ASTM Standards, Vol. 11.01				http://www.astm.org
ASTM International	D3697-92	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 Spectrometery	October 2003	EPA/600/R-06/115		http://www.epa.gov/nerlcwww/ordmeth.htm
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

Contaminant / Organization	Method Number	Reference Title	Date	EPA Publication Number	Publication Order Number	Source of Method
Antimony						
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
		Because MDLs reported in EPA Methods 200.7 and 200.9 were determined using a 2X preconcentration step during sample digestion, MDLs determined when samples are analyzed by direct analysis (i.e., no sample digestion) will be higher.				
		Preconcentration may be required for direct analysis of antimony, lead, and thallium by Method 200.9				
Standard Methods	3113 B	Standard Methods for the Examination of Water and Wastewater, 18th Edition	1992			Standard Methods
		Preconcentration may be required for direct analysis of antimony and lead by Method 3113 B unless multiple in-furnace depositions are made.				
Standard Methods	3113 B	Standard Methods for the Examination of Water and Wastewater, 19th Edition	1995			Standard Methods
		Preconcentration may be required for direct analysis of antimony and lead by Method 3113 B unless multiple in-furnace depositions are made.				
Standard Methods	3113 B	Standard Methods for the Examination of Water and Wastewater, 21st Edition	2005			Standard Methods
		Preconcentration may be required for direct analysis of antimony and lead by Method 3113 B unless multiple in-furnace depositions are made.				
Standard Methods Online	3113 B-04	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/
		Preconcentration may be required for direct analysis of antimony and lead by Method 3113 B unless multiple in-furnace depositions are made.				

Contaminant Organization	Method Number	Reference Title	Date	EPA Publication Number	Publication Order Number	Source of Method
Antimony						
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/
Preconcentration may be required for direct analysis of antimony and lead by Method 3113 B unless multiple in-furnace depositions are made.						
Arsenic						
ASTM International	D2972 08 B	Annual Book of ASTM Standards, Vol. 11.01				http://www.astm.org
ASTM International	D2972-03 B	Annual Book of ASTM Standards, Vol. 11.01				http://www.astm.org
ASTM International	D2972-03 C	Annual Book of ASTM Standards, Vol. 11.01				http://www.astm.org
ASTM International	D2972-08 C	Annual Book of ASTM Standards, Vol. 11.01				http://www.astm.org
ASTM International	D2972-97 B	Annual Book of ASTM Standards, Vol. 11.01				http://www.astm.org
ASTM International	D2972-97 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 Spectrometery	October 2003	EPA/600/R-06/115		http://www.epa.gov/nerlcwww/ordmeth.htm

Contaminant / Organization	Method Number	Reference Title	Date	EPA Publication Number	Publication Order Number	Source of Method
Arsenic						
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
		If ultrasonic nebulization is used in the determination of arsenic by Method 200.8, the arsenic must be in the pentavalent state to provide uniform signal response. For direct analysis of arsenic with Method 200.8 using ultrasonic nebulization, samples and standards must contain one mg/L of sodium hypochlorite.				
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
		Because MDLs reported in EPA Methods 200.7 and 200.9 were determined using a 2X preconcentration step during sample digestion, MDLs determined when samples are analyzed by direct analysis (i.e., no sample digestion) will be higher.				
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	3114 B	Standard Methods for the Examination of Water and Wastewater, 18th Edition	1992			Standard Methods
Standard Methods	3114 B	Standard Methods for the Examination of Water and Wastewater, 19th Edition	1995			Standard Methods
Standard Methods	3114 B	Standard Methods for the Examination of Water and Wastewater, 21st Edition	2005			Standard Methods

Contaminant / Organization	Method Number	Reference Title	Date	EPA Publication Number	Publication Order Number	Source of Method
Arsenic						
Standard Methods Online	3113 B-04	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	3114 B-09	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	3114 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/
Asbestos	Guidance on conducting asbestos analysis is described in Section V of Technical Notes on Drinking Water Methods (EPA/600/R-94/173)available through EPA's digital publications National Environmental Publications Internet Site (NEPIS) database (http://www.epa.gov/nscep/).					
EPA	100.1	Analytical Method for the Determination of Asbestos Fibers in Water	September 1983	EPA/600/4-83-043	PB 83-260471	http://www.nemi.gov

Contaminant / Organization	Method Number	Reference Title	Date	EPA Publication Number	Publication Order Number	Source of Method
Asbestos	Guidance on conducting asbestos analysis is described in Section V of Technical Notes on Drinking Water Methods (EPA/600/R-94/173)available through EPA's digital publications National Environmental Publications Internet Site (NEPIS) database (http://www.epa.gov/nscep/).					
EPA	100.2	Determination of Asbestos Structures Over 10 µm in Length in Drinking Water	June 1994	EPA/600R-94/134	PB 94-201902	http://www.nemi.gov
Barium	Criteria for analyzing arsenic, barium, beryllium, cadmium, calcium, chromium, copper, lead, nickel, selenium, sodium and thallium with digestion or directly without digestion, and other analytical test procedures are contained in Technical Notes on Drinking Water Methods (EPA/600/R-94/173) available through EPA's digital publications National Environmental Publications Internet Site (NEPIS) database (http://www.epa.gov/nscep/).					
EPA	200.5 Rev 4.2	Determination of Trace Elements in Drinking Water by Axially Viewed Inductively Coupled Plasma - Atomic Emission Spectrometery	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
		Because MDLs reported in EPA Methods 200.7 and 200.9 were determined using a 2X preconcentration step during sample digestion, MDLs determined when samples are analyzed by direct analysis (i.e., no sample digestion) will be higher.				
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 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
Standard Methods	3111 D	Standard Methods for the Examination of Water and Wastewater, 21st Edition	2005			Standard Methods

Contaminant / Organization	Method Number	Reference Title	Date	EPA Publication Number	Publication Order Number	Source of Method
Barium	Criteria for analyzing arsenic, barium, beryllium, cadmium, calcium, chromium, copper, lead, nickel, selenium, sodium and thallium with digestion or directly without digestion, and other analytical test procedures are contained in Technical Notes on Drinking Water Methods (EPA/600/R-94/173) available through EPA's digital publications National Environmental Publications Internet Site (NEPIS) database (http://www.epa.gov/nscep/).					
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 / Organization	Method Number	Reference Title	Date	EPA Publication Number	Publication Order Number	Source of Method
Barium	Criteria for analyzing arsenic, barium, beryllium, cadmium, calcium, chromium, copper, lead, nickel, selenium, sodium and thallium with digestion or directly without digestion, and other analytical test procedures are contained in Technical Notes on Drinking Water Methods (EPA/600/R-94/173) available through EPA's digital publications National Environmental Publications Internet Site (NEPIS) database (http://www.epa.gov/nscep/).					
Standard Methods Online	3113 B-04	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/
Beryllium	Criteria for analyzing arsenic, barium, beryllium, cadmium, calcium, chromium, copper, lead, nickel, selenium, sodium and thallium with digestion or directly without digestion, and other analytical test procedures are contained in Technical Notes on Drinking Water Methods (EPA/600/R-94/173) available through EPA's digital publications National Environmental Publications Internet Site (NEPIS) database (http://www.epa.gov/nscep/).					
ASTM International	D3645-03 B	Annual Book of ASTM Standards, Vol. 11.01				http://www.astm.org
ASTM International	D3645-08 B	Annual Book of ASTM Standards, Vol. 11.01				http://www.astm.org
ASTM International	D3645-97 B	Annual Book of ASTM Standards, Vol. 11.01				http://www.astm.org

Contaminant / Organization	Method Number	Reference Title	Date	EPA Publication Number	Publication Order Number	Source of Method
Beryllium	Criteria for analyzing arsenic, barium, beryllium, cadmium, calcium, chromium, copper, lead, nickel, selenium, sodium and thallium with digestion or directly without digestion, and other analytical test procedures are contained in Technical Notes on Drinking Water Methods (EPA/600/R-94/173) available through EPA's digital publications National Environmental Publications Internet Site (NEPIS) database (http://www.epa.gov/nscep/).					
EPA	200.5 Rev 4.2	Determination of Trace Elements in Drinking Water by Axially Viewed Inductively Coupled Plasma - Atomic Emission Spectrometery	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
		Because MDLs reported in EPA Methods 200.7 and 200.9 were determined using a 2X preconcentration step during sample digestion, MDLs determined when samples are analyzed by direct analysis (i.e., no sample digestion) will be higher.				
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
		Because MDLs reported in EPA Methods 200.7 and 200.9 were determined using a 2X preconcentration step during sample digestion, MDLs determined when samples are analyzed by direct analysis (i.e., no sample digestion) will be higher.				
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 / Organization	Method Number	Reference Title	Date	EPA Publication Number	Publication Order Number	Source of Method
Beryllium	Criteria for analyzing arsenic, barium, beryllium, cadmium, calcium, chromium, copper, lead, nickel, selenium, sodium and thallium with digestion or directly without digestion, and other analytical test procedures are contained in Technical Notes on Drinking Water Methods (EPA/600/R-94/173) available through EPA's digital publications National Environmental Publications Internet Site (NEPIS) database (http://www.epa.gov/nscep/).					
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	3113 B-04	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 / Organization	Method Number	Reference Title	Date	EPA Publication Number	Publication Order Number	Source of Method
Beryllium	Criteria for analyzing arsenic, barium, beryllium, cadmium, calcium, chromium, copper, lead, nickel, selenium, sodium and thallium with digestion or directly without digestion, and other analytical test procedures are contained in Technical Notes on Drinking Water Methods (EPA/600/R-94/173) available through EPA's digital publications National Environmental Publications Internet Site (NEPIS) database (http://www.epa.gov/nscep/).					
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/
Cadmium	Criteria for analyzing arsenic, barium, beryllium, cadmium, calcium, chromium, copper, lead, nickel, selenium, sodium and thallium with digestion or directly without digestion, and other analytical test procedures are contained in Technical Notes on Drinking Water Methods (EPA/600/R-94/173) available through EPA's digital publications National Environmental Publications Internet Site (NEPIS) database (http://www.epa.gov/nscep/).					
EPA	200.5 Rev 4.2	Determination of Trace Elements in Drinking Water by Axially Viewed Inductively Coupled Plasma - Atomic Emission Spectrometery	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
		Because MDLs reported in EPA Methods 200.7 and 200.9 were determined using a 2X preconcentration step during sample digestion, MDLs determined when samples are analyzed by direct analysis (i.e., no sample digestion) will be higher. For direct analysis of cadmium by Method 200.7, sample preconcentration using pneumatic nebulization may be required to achieve lower detection limits.				
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
		Because MDLs reported in EPA Methods 200.7 and 200.9 were determined using a 2X preconcentration step during sample digestion, MDLs determined when samples are analyzed by direct analysis (i.e., no sample digestion) will be higher.				

Contaminant / Organization	Method Number	Reference Title	Date	EPA Publication Number	Publication Order Number	Source of Method
Cadmium	Criteria for analyzing arsenic, barium, beryllium, cadmium, calcium, chromium, copper, lead, nickel, selenium, sodium and thallium with digestion or directly without digestion, and other analytical test procedures are contained in Technical Notes on Drinking Water Methods (EPA/600/R-94/173) available through EPA's digital publications National Environmental Publications Internet Site (NEPIS) database (http://www.epa.gov/nscep/).					
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 Online	3113 B-04	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/
Calcium	Criteria for analyzing arsenic, barium, beryllium, cadmium, calcium, chromium, copper, lead, nickel, selenium, sodium and thallium with digestion or directly without digestion, and other analytical test procedures are contained in Technical Notes on Drinking Water Methods (EPA/600/R-94/173) available through EPA's digital publications National Environmental Publications Internet Site (NEPIS) database (http://www.epa.gov/nscep/).					
ASTM International	D511-03 A	Annual Book of ASTM Standards, Vol. 11.01				http://www.astm.org
ASTM International	D511-03 B	Annual Book of ASTM Standards, Vol. 11.01				http://www.astm.org

Contaminant / Organization	Method Number	Reference Title	Date	EPA Publication Number	Publication Order Number	Source of Method
Calcium	Criteria for analyzing arsenic, barium, beryllium, cadmium, calcium, chromium, copper, lead, nickel, selenium, sodium and thallium with digestion or directly without digestion, and other analytical test procedures are contained in Technical Notes on Drinking Water Methods (EPA/600/R-94/173) available through EPA's digital publications National Environmental Publications Internet Site (NEPIS) database (http://www.epa.gov/nscep/).					
ASTM International	D511-09 A	Annual Book of ASTM Standards, Vol. 11.01				http://www.astm.org
ASTM International	D511-09 B	Annual Book of ASTM Standards, Vol. 11.01				http://www.astm.org
ASTM International	D511-93 A	Annual Book of ASTM Standards, Vol. 11.01				http://www.astm.org
ASTM International	D511-93 B	Annual Book of ASTM Standards, Vol. 11.01				http://www.astm.org
ASTM International	D6919-03	Annual Book of ASTM Standards, Vol. 11.02				http://www.astm.org
ASTM International	D6919-09	Annual Book of ASTM Standards, Vol. 11.02				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 Spectrometery	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
		Because MDLs reported in EPA Methods 200.7 and 200.9 were determined using a 2X preconcentration step during sample digestion, MDLs determined when samples are analyzed by direct analysis (i.e., no sample digestion) will be higher.				
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Standard Methods	3111 B	Standard Methods for the Examination of Water and Wastewater, 19th Edition	1995			Standard Methods

Contaminant / Organization	Method Number	Reference Title	Date	EPA Publication Number	Publication Order Number	Source of Method
Calcium	Criteria for analyzing arsenic, barium, beryllium, cadmium, calcium, chromium, copper, lead, nickel, selenium, sodium and thallium with digestion or directly without digestion, and other analytical test procedures are contained in Technical Notes on Drinking Water Methods (EPA/600/R-94/173) available through EPA's digital publications National Environmental Publications Internet Site (NEPIS) database (http://www.epa.gov/nscep/).					
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
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	3500-Ca B	Standard Methods for the Examination of Water and Wastewater, 20th Edition	1998			Standard Methods
Standard Methods	3500-Ca B	Standard Methods for the Examination of Water and Wastewater, 21st Edition	2005			Standard Methods
Standard Methods	3500-Ca D	Standard Methods for the Examination of Water and Wastewater, 18th Edition	1992			Standard Methods
Standard Methods	3500-Ca D	Standard Methods for the Examination of Water and Wastewater, 19th Edition	1995			Standard Methods

Contaminant / Organization	Method Number	Reference Title	Date	EPA Publication Number	Publication Order Number	Source of Method
Calcium	Criteria for analyzing arsenic, barium, beryllium, cadmium, calcium, chromium, copper, lead, nickel, selenium, sodium and thallium with digestion or directly without digestion, and other analytical test procedures are contained in Technical Notes on Drinking Water Methods (EPA/600/R-94/173) available through EPA's digital publications National Environmental Publications Internet Site (NEPIS) database (http://www.epa.gov/nscep/).					
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/
Standard Methods Online	3500-Ca 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/
Chromium	Criteria for analyzing arsenic, barium, beryllium, cadmium, calcium, chromium, copper, lead, nickel, selenium, sodium and thallium with digestion or directly without digestion, and other analytical test procedures are contained in Technical Notes on Drinking Water Methods (EPA/600/R-94/173) available through EPA's digital publications National Environmental Publications Internet Site (NEPIS) database (http://www.epa.gov/nscep/).					
EPA	200.5 Rev 4.2	Determination of Trace Elements in Drinking Water by Axially Viewed Inductively Coupled Plasma - Atomic Emission Spectrometery	October 2003	EPA/600/R-06/115		http://www.epa.gov/nerlcwww/ordmeth.htm

Contaminant / Organization	Method Number	Reference Title	Date	EPA Publication Number	Publication Order Number	Source of Method
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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
		Because MDLs reported in EPA Methods 200.7 and 200.9 were determined using a 2X preconcentration step during sample digestion, MDLs determined when samples are analyzed by direct analysis (i.e., no sample digestion) will be higher.				
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
		Because MDLs reported in EPA Methods 200.7 and 200.9 were determined using a 2X preconcentration step during sample digestion, MDLs determined when samples are analyzed by direct analysis (i.e., no sample digestion) will be higher.				
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

Contaminant / Organization	Method Number	Reference Title	Date	EPA Publication Number	Publication Order Number	Source of Method
Chromium	Criteria for analyzing arsenic, barium, beryllium, cadmium, calcium, chromium, copper, lead, nickel, selenium, sodium and thallium with digestion or directly without digestion, and other analytical test procedures are contained in Technical Notes on Drinking Water Methods (EPA/600/R-94/173) available through EPA's digital publications National Environmental Publications Internet Site (NEPIS) database (http://www.epa.gov/nscep/).					
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	3113 B-04	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/
Conductivity						
ASTM International	D1125-91 A	Annual Book of ASTM Standards, Vol. 11.01				ASTM International (ASTM)

Contaminant / Organization	Method Number	Reference Title	Date	EPA Publication Number	Publication Order Number	Source of Method
Conductivity						
ASTM International	D1125-95 A (Reapproved 1999)	Annual Book of ASTM Standards, Vol. 11.01				http://www.astm.org
Standard Methods	2510 B	Standard Methods for the Examination of Water and Wastewater, 18th Edition	1992			Standard Methods
Standard Methods	2510 B	Standard Methods for the Examination of Water and Wastewater, 19th Edition	1995			Standard Methods
Standard Methods	2510 B	Standard Methods for the Examination of Water and Wastewater, 20th Edition	1998			Standard Methods
Standard Methods	2510 B	Standard Methods for the Examination of Water and Wastewater, 21st Edition	2005			Standard Methods
Standard Methods Online	2510 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/
Copper	Criteria for analyzing arsenic, barium, beryllium, cadmium, calcium, chromium, copper, lead, nickel, selenium, sodium and thallium with digestion or directly without digestion, and other analytical test procedures are contained in Technical Notes on Drinking Water Methods (EPA/600/R-94/173) available through EPA's digital publications National Environmental Publications Internet Site (NEPIS) database (http://www.epa.gov/nscep/).					
ASTM International	D1688-02 A	Annual Book of ASTM Standards, Vol. 11.01				http://www.astm.org
ASTM International	D1688-02 C	Annual Book of ASTM Standards, Vol. 11.01				http://www.astm.org
ASTM International	D1688-07 A	Annual Book of ASTM Standards, Vol. 11.01				http://www.astm.org

Contaminant / Organization	Method Number	Reference Title	Date	EPA Publication Number	Publication Order Number	Source of Method
Copper	Criteria for analyzing arsenic, barium, beryllium, cadmium, calcium, chromium, copper, lead, nickel, selenium, sodium and thallium with digestion or directly without digestion, and other analytical test procedures are contained in Technical Notes on Drinking Water Methods (EPA/600/R-94/173) available through EPA's digital publications National Environmental Publications Internet Site (NEPIS) database (http://www.epa.gov/nscep/).					
ASTM International	D1688-07 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
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 Spectrometery	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
		Because MDLs reported in EPA Methods 200.7 and 200.9 were determined using a 2X preconcentration step during sample digestion, MDLs determined when samples are analyzed by direct analysis (i.e., no sample digestion) will be higher.				
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

Contaminant / Organization	Method Number	Reference Title	Date	EPA Publication Number	Publication Order Number	Source of Method
Copper	Criteria for analyzing arsenic, barium, beryllium, cadmium, calcium, chromium, copper, lead, nickel, selenium, sodium and thallium with digestion or directly without digestion, and other analytical test procedures are contained in Technical Notes on Drinking Water Methods (EPA/600/R-94/173) available through EPA's digital publications National Environmental Publications Internet Site (NEPIS) database (http://www.epa.gov/nscep/).					
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
		Because MDLs reported in EPA Methods 200.7 and 200.9 were determined using a 2X preconcentration step during sample digestion, MDLs determined when samples are analyzed by direct analysis (i.e., no sample digestion) will be higher.				
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
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

Contaminant / Organization	Method Number	Reference Title	Date	EPA Publication Number	Publication Order Number	Source of Method
Copper	Criteria for analyzing arsenic, barium, beryllium, cadmium, calcium, chromium, copper, lead, nickel, selenium, sodium and thallium with digestion or directly without digestion, and other analytical test procedures are contained in Technical Notes on Drinking Water Methods (EPA/600/R-94/173) available through EPA's digital publications National Environmental Publications Internet Site (NEPIS) database (http://www.epa.gov/nscep/).					
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-04	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 / Organization	Method Number	Reference Title	Date	EPA Publication Number	Publication Order Number	Source of Method
Copper	Criteria for analyzing arsenic, barium, beryllium, cadmium, calcium, chromium, copper, lead, nickel, selenium, sodium and thallium with digestion or directly without digestion, and other analytical test procedures are contained in Technical Notes on Drinking Water Methods (EPA/600/R-94/173) available through EPA's digital publications National Environmental Publications Internet Site (NEPIS) database (http://www.epa.gov/nscep/).					
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/
Cyanide						
ALPKEM	Method OIA-1677, DW	Available Cyanide by Flow Injection, Ligand Exchange, and Amperometry	January 2004	EPA-821-R-04-001		ALPKEM
	Sulfide levels below those detected using lead acetate paper may produce positive method interferences. Test samples using a more sensitive sulfide method to determine if a sulfide interference is present, and treat samples accordingly.					
ASTM International	D2036-06 A	Annual Book of ASTM Standards, Vol. 11.02				http://www.astm.org
ASTM International	D2036-06 B	Annual Book of ASTM Standards, Vol. 11.02				http://www.astm.org
ASTM International	D2036-98 A	Annual Book of ASTM Standards, Vol. 11.02				http://www.astm.org
ASTM International	D2036-98 B	Annual Book of ASTM Standards, Vol. 11.02				http://www.astm.org
ASTM International	D6888-04	Annual Book of ASTM Standards, Vol. 11.02				http://www.astm.org
	Sulfide levels below those detected using lead acetate paper may produce positive method interferences. Test samples using a more sensitive sulfide method to determine if a sulfide interference is present, and treat samples accordingly.					
EPA	335.4 Rev 1.0	In Methods for the Determination of Inorganic Substances in Environmental Samples	August 1993	EPA/600/R-93/100	PB94-120821	http://www.nemi.gov

Contaminant / Organization	Method Number	Reference Title	Date	EPA Publication Number	Publication Order Number	Source of Method
Cyanide						
H & E Testing Laboratory	ME355.01	Determination of Cyanide in Drinking Water by GC/MS Headspace	May 26, 2009			http://www.nemi.gov
Kelada	Kelada 01, Revision 1.2	Kelada Automated Test Methods for Total Cyanide, Acid Dissociable Cyanide, and Thiocyante	August 2001	EPA 821-B-01-009	PB 2001-108275	National Technical Information Service (NTIS)
		A 450-W UV lamp may be used in this method instead of the 550-W lamp specified if it provides performance within the quality control (QC) acceptance criteria of the method in a given instrument. Similarly, modified flow cell configurations and flow conditions may be used in the method, provided that the QC acceptance criteria are met.				
Lachat Instruments	QuikChem 10-204-00-1-X, Revision 2.1	Digestion and distillation of total cyanide in drinking and wastewaters using MICRO DIST and determination of cyanide by flow injection analysis	November 30, 2000			Lachat Instruments
Standard Methods	4500-CN- C	Standard Methods for the Examination of Water and Wastewater, 18th Edition	1992			Standard Methods
Standard Methods	4500-CN- C	Standard Methods for the Examination of Water and Wastewater, 19th Edition	1995			Standard Methods
Standard Methods	4500-CN- C	Standard Methods for the Examination of Water and Wastewater, 20th Edition	1998			Standard Methods
Standard Methods	4500-CN- E	Standard Methods for the Examination of Water and Wastewater, 18th Edition	1992			Standard Methods
Standard Methods	4500-CN- E	Standard Methods for the Examination of Water and Wastewater, 19th Edition	1995			Standard Methods

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

Contaminant / Organization	Method Number	Reference Title	Date	EPA Publication Number	Publication Order Number	Source of Method
Cyanide						
Standard Methods Online	4500-CN- E-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	4500-CN- F-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	4500-CN- G-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-3300-85	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/
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)

Contaminant Organization	Method Number	Reference Title	Date	EPA Publication Number	Publication Order Number	Source of Method
Fluoride						
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
Hach Co.	10225	Hach Company SPADNS 2 (Arsenite-Free) Fluoride Method 10225—Spectrophotometric Measurement of Fluoride in Water and Wastewater	January 2011			http://www.hach.com
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

Contaminant / 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, 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
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

Contaminant / Organization	Method Number	Reference Title	Date	EPA Publication Number	Publication Order Number	Source of Method
Fluoride						
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
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/

Contaminant / Organization	Method Number	Reference Title	Date	EPA Publication Number	Publication Order Number	Source of Method
Fluoride						
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/
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

Contaminant / Organization	Method Number	Reference Title	Date	EPA Publication Number	Publication Order Number	Source of Method
Lead						
ASTM Internationa	D3559-08 D	Annual Book of ASTM Standards, Vol. 11.01				http://www.astm.org
ASTM International	D3559-03 D	Annual Book of ASTM Standards, Vol. 11.01				http://www.astm.org
		Preconcentration may be required for direct analysis of lead by Method D3559-90 D				
ASTM International	D3559-90 D	Annual Book of ASTM Standards, Vol. 11.01				ASTM International (ASTM)
		Preconcentration may be required for direct analysis of lead by Method D3559-90 D				
ASTM International	D3559-96 D	Annual Book of ASTM Standards, Vol. 11.01				http://www.astm.org
		Preconcentration may be required for direct analysis of lead by Method D3559-90 D				
EPA	200.5 Rev 4.2	Determination of Trace Elements in Drinking Water by Axially Viewed Inductively Coupled Plasma - Atomic Emission Spectrometery	October 2003	EPA/600/R-06/115		http://www.epa.gov/nerlcwww/ordmeth.htm
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
		Because MDLs reported in EPA Methods 200.7 and 200.9 were determined using a 2X preconcentration step during sample digestion, MDLs determined when samples are analyzed by direct analysis (i.e., no sample digestion) will be higher.				
		Preconcentration may be required for direct analysis of antimony, lead, and thallium by Method 200.9				
Palintest Ltd. or Hach Co.	Method 1001	Lead by Differential Pulse Anodic Stripping Voltammetry				Palintest Ltd.

Contaminant / Organization	Method Number	Reference Title	Date	EPA Publication Number	Publication Order Number	Source of Method
Lead						
Standard Methods	3113 B	Standard Methods for the Examination of Water and Wastewater, 18th Edition	1992			Standard Methods
		Preconcentration may be required for direct analysis of antimony and lead by Method 3113 B unless multiple in-furnace depositions are made.				
Standard Methods	3113 B	Standard Methods for the Examination of Water and Wastewater, 19th Edition	1995			Standard Methods
		Preconcentration may be required for direct analysis of antimony and lead by Method 3113 B unless multiple in-furnace depositions are made.				
Standard Methods	3113 B	Standard Methods for the Examination of Water and Wastewater, 21st Edition	2005			Standard Methods
		Preconcentration may be required for direct analysis of antimony and lead by Method 3113 B unless multiple in-furnace depositions are made.				
Standard Methods Online	3113 B-04	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/
		Preconcentration may be required for direct analysis of antimony and lead by Method 3113 B unless multiple in-furnace depositions are made.				
Magnesium						
ASTM International	D511-03 A	Annual Book of ASTM Standards, Vol. 11.01				http://www.astm.org
ASTM International	D511-03 B	Annual Book of ASTM Standards, Vol. 11.01				http://www.astm.org

Contaminant Organization	Method Number	Reference Title	Date	EPA Publication Number	Publication Order Number	Source of Method
Magnesium						
ASTM International	D511-09 A	Annual Book of ASTM Standards, Vol. 11.01				http://www.astm.org
ASTM International	D511-09 B	Annual Book of ASTM Standards, Vol. 11.01				http://www.astm.org
ASTM International	D511-93 A	Annual Book of ASTM Standards, Vol. 11.01				http://www.astm.org
ASTM International	D511-93 B	Annual Book of ASTM Standards, Vol. 11.01				http://www.astm.org
ASTM International	D6919-03	Annual Book of ASTM Standards, Vol. 11.02				http://www.astm.org
ASTM International	D6919-09	Annual Book of ASTM Standards, Vol. 11.02				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 Spectrometery	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
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

Contaminant / Organization	Method Number	Reference Title	Date	EPA Publication Number	Publication Order Number	Source of Method
Magnesium						
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	3500-Mg B	Standard Methods for the Examination of Water and Wastewater, 20th Edition	1998			Standard Methods
Standard Methods	3500-Mg B	Standard Methods for the Examination of Water and Wastewater, 21st Edition	2005			Standard Methods
Standard Methods	3500-Mg E	Standard Methods for the Examination of Water and Wastewater, 18th Edition	1992			Standard Methods
Standard Methods	3500-Mg E	Standard Methods for the Examination of Water and Wastewater, 19th Edition	1995			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/

Contaminant / Organization	Method Number	Reference Title	Date	EPA Publication Number	Publication Order Number	Source of Method
Magnesium						
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/
Standard Methods Online	3500-Mg 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/
Mercury						
ASTM International	D3223-02	Annual Book of ASTM Standards, Vol. 11.01				http://www.astm.org
ASTM International	D3223-97	Annual Book of ASTM Standards, Vol. 11.01				http://www.astm.org
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	245.1 Rev 3.0	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	245.2	In Methods for Chemical Analysis of Water and Wastes	March 1983	EPA/600/4-79/020	PB84-128677	National Technical Information Service (NTIS)
Standard Methods	3112 B	Standard Methods for the Examination of Water and Wastewater, 18th Edition	1992			Standard Methods

Contaminant / Organization	Method Number	Reference Title	Date	EPA Publication Number	Publication Order Number	Source of Method
Mercury						
Standard Methods	3112 B	Standard Methods for the Examination of Water and Wastewater, 19th Edition	1995			Standard Methods
Standard Methods	3112 B	Standard Methods for the Examination of Water and Wastewater, 21st Edition	2005			Standard Methods
Standard Methods Online	3112 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/
Nickel	Criteria for analyzing arsenic, barium, beryllium, cadmium, calcium, chromium, copper, lead, nickel, selenium, sodium and thallium with digestion or directly without digestion, and other analytical test procedures are contained in Technical Notes on Drinking Water Methods (EPA/600/R-94/173) available through EPA's digital publications National Environmental Publications Internet Site (NEPIS) database (http://www.epa.gov/nscep/).					
EPA	200.5 Rev 4.2	Determination of Trace Elements in Drinking Water by Axially Viewed Inductively Coupled Plasma - Atomic Emission Spectrometery	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
		Because MDLs reported in EPA Methods 200.7 and 200.9 were determined using a 2X preconcentration step during sample digestion, MDLs determined when samples are analyzed by direct analysis (i.e., no sample digestion) will be higher.				
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

Contaminant / Organization	Method Number	Reference Title	Date	EPA Publication Number	Publication Order Number	Source of Method
Nickel	Criteria for analyzing arsenic, barium, beryllium, cadmium, calcium, chromium, copper, lead, nickel, selenium, sodium and thallium with digestion or directly without digestion, and other analytical test procedures are contained in Technical Notes on Drinking Water Methods (EPA/600/R-94/173) available through EPA's digital publications National Environmental Publications Internet Site (NEPIS) database (http://www.epa.gov/nscep/).					
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
		Because MDLs reported in EPA Methods 200.7 and 200.9 were determined using a 2X preconcentration step during sample digestion, MDLs determined when samples are analyzed by direct analysis (i.e., no sample digestion) will be higher.				
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
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

Contaminant / Organization	Method Number	Reference Title	Date	EPA Publication Number	Publication Order Number	Source of Method
Nickel	Criteria for analyzing arsenic, barium, beryllium, cadmium, calcium, chromium, copper, lead, nickel, selenium, sodium and thallium with digestion or directly without digestion, and other analytical test procedures are contained in Technical Notes on Drinking Water Methods (EPA/600/R-94/173) available through EPA's digital publications National Environmental Publications Internet Site (NEPIS) database (http://www.epa.gov/nscep/).					
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-04	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 / Organization	Method Number	Reference Title	Date	EPA Publication Number	Publication Order Number	Source of Method
Nickel	Criteria for analyzing arsenic, barium, beryllium, cadmium, calcium, chromium, copper, lead, nickel, selenium, sodium and thallium with digestion or directly without digestion, and other analytical test procedures are contained in Technical Notes on Drinking Water Methods (EPA/600/R-94/173) available through EPA's digital publications National Environmental Publications Internet Site (NEPIS) database (http://www.epa.gov/nscep/).					
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/
Nitrate						
ASTM International	D3867-90 A	Annual Book of ASTM Standards, Vol. 11.01				ASTM International (ASTM)
ASTM International	D3867-90 B	Annual Book of ASTM Standards, Vol. 11.01				ASTM International (ASTM)
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
ATI Orion	601	Standard Method of Test for Nitrate in Drinking Water	July 1994		PN 221890-001	Thermo Orion
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 / Organization	Method Number	Reference Title	Date	EPA Publication Number	Publication Order Number	Source of Method
Nitrate						
EPA	353.2 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
Hach Co.	10206	Hach Company TNTplusTM 835/836 Nitrate Method 10206—Spectrophotometric Measurement of Nitrate in Water and Wastewater	January 2011			http://www.hach.com
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-NO3- D	Standard Methods for the Examination of Water and Wastewater, 18th Edition	1992			Standard Methods
Standard Methods	4500-NO3- D	Standard Methods for the Examination of Water and Wastewater, 19th Edition	1995			Standard Methods
Standard Methods	4500-NO3- D	Standard Methods for the Examination of Water and Wastewater, 20th Edition	1998			Standard Methods

Contaminant / Organization	Method Number	Reference Title	Date	EPA Publication Number	Publication Order Number	Source of Method
Nitrate						
Standard Methods	4500-NO3- D	Standard Methods for the Examination of Water and Wastewater, 21st Edition	2005			Standard Methods
Standard Methods	4500-NO3- E	Standard Methods for the Examination of Water and Wastewater, 18th Edition	1992			Standard Methods
Standard Methods	4500-NO3- E	Standard Methods for the Examination of Water and Wastewater, 19th Edition	1995			Standard Methods
Standard Methods	4500-NO3- E	Standard Methods for the Examination of Water and Wastewater, 20th Edition	1998			Standard Methods
Standard Methods	4500-NO3- E	Standard Methods for the Examination of Water and Wastewater, 21st Edition	2005			Standard Methods
Standard Methods	4500-NO3- F	Standard Methods for the Examination of Water and Wastewater, 18th Edition	1992			Standard Methods
Standard Methods	4500-NO3- F	Standard Methods for the Examination of Water and Wastewater, 19th Edition	1995			Standard Methods
Standard Methods	4500-NO3- F	Standard Methods for the Examination of Water and Wastewater, 20th Edition	1998			Standard Methods
Standard Methods	4500-NO3- F	Standard Methods for the Examination of Water and Wastewater, 21st Edition	2005			Standard Methods

Contaminant / Organization	Method Number	Reference Title	Date	EPA Publication Number	Publication Order Number	Source of Method
Nitrate						
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-NO3- D-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-NO3- E-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-NO3- F-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/
Systea Scientific, LLC	Systea Easy (1-Reagent)	Systea Easy (1-Reagent) Nitrate Method	February 4, 2009			http://www.nemi.gov

Contaminant / Organization	Method Number	Reference Title	Date	EPA Publication Number	Publication Order Number	Source of Method
Nitrate						
Waters Corporation	B-1011	Waters Test Method for Determination of Nitrite/Nitrate in Water Using Single Column Ion Chromatography	August 1987			Waters Corporation
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
Nitrite						
ASTM International	D3867-90 A	Annual Book of ASTM Standards, Vol. 11.01				ASTM International (ASTM)
ASTM International	D3867-90 B	Annual Book of ASTM Standards, Vol. 11.01				ASTM International (ASTM)
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
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
EPA	353.2 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

Contaminant / Organization	Method Number	Reference Title	Date	EPA Publication Number	Publication Order Number	Source of Method
Nitrite						
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-NO2- B	Standard Methods for the Examination of Water and Wastewater, 18th Edition	1992			Standard Methods
Standard Methods	4500-NO2- B	Standard Methods for the Examination of Water and Wastewater, 19th Edition	1995			Standard Methods
Standard Methods	4500-NO2- B	Standard Methods for the Examination of Water and Wastewater, 20th Edition	1998			Standard Methods
Standard Methods	4500-NO2- B	Standard Methods for the Examination of Water and Wastewater, 21st Edition	2005			Standard Methods
Standard Methods	4500-NO3- E	Standard Methods for the Examination of Water and Wastewater, 18th Edition	1992			Standard Methods
Standard Methods	4500-NO3- E	Standard Methods for the Examination of Water and Wastewater, 19th Edition	1995			Standard Methods

Contaminant / Organization	Method Number	Reference Title	Date	EPA Publication Number	Publication Order Number	Source of Method
Nitrite						
Standard Methods	4500-NO3- E	Standard Methods for the Examination of Water and Wastewater, 20th Edition	1998			Standard Methods
Standard Methods	4500-NO3- E	Standard Methods for the Examination of Water and Wastewater, 21st Edition	2005			Standard Methods
Standard Methods	4500-NO3- F	Standard Methods for the Examination of Water and Wastewater, 18th Edition	1992			Standard Methods
Standard Methods	4500-NO3- F	Standard Methods for the Examination of Water and Wastewater, 19th Edition	1995			Standard Methods
Standard Methods	4500-NO3- F	Standard Methods for the Examination of Water and Wastewater, 20th Edition	1998			Standard Methods
Standard Methods	4500-NO3- 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-NO2- 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 / Organization	Method Number	Reference Title	Date	EPA Publication Number	Publication Order Number	Source of Method
Nitrite						
Standard Methods Online	4500-NO3- E-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-NO3- F-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/
Systea Scientific, LLC	Systea Easy (1-Reagent)	Systea Easy (1-Reagent) Nitrate Method	February 4, 2009			http://www.nemi.gov
Waters Corporation	B-1011	Waters Test Method for Determination of Nitrite/Nitrate in Water Using Single Column Ion Chromatography	August 1987			Waters Corporation
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
Orthophosphate	Unfiltered, no digestion or hydrolysis					
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

Contaminant / Organization	Method Number	Reference Title	Date	EPA Publication Number	Publication Order Number	Source of Method
Orthophosphate	Unfiltered, no digestion or hydrolysis					
ASTM International	D515-88 A	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	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
EPA	365.1 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-P E	Standard Methods for the Examination of Water and Wastewater, 18th Edition	1992			Standard Methods

Contaminant / Organization	Method Number	Reference Title	Date	EPA Publication Number	Publication Order Number	Source of Method
Orthophosphate	Unfiltered, no digestion or hydrolysis					
Standard Methods	4500-P E	Standard Methods for the Examination of Water and Wastewater, 19th Edition	1995			Standard Methods
Standard Methods	4500-P E	Standard Methods for the Examination of Water and Wastewater, 20th Edition	1998			Standard Methods
Standard Methods	4500-P E	Standard Methods for the Examination of Water and Wastewater, 21st Edition	2005			Standard Methods
Standard Methods	4500-P F	Standard Methods for the Examination of Water and Wastewater, 18th Edition	1992			Standard Methods
Standard Methods	4500-P F	Standard Methods for the Examination of Water and Wastewater, 19th Edition	1995			Standard Methods
Standard Methods	4500-P F	Standard Methods for the Examination of Water and Wastewater, 20th Edition	1998			Standard Methods
Standard Methods	4500-P 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/

Contaminant / Organization	Method Number	Reference Title	Date	EPA Publication Number	Publication Order Number	Source of Method
Orthophosphate	Unfiltered, no digestion or hydrolysis					
Standard Methods Online	4500-P E-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	4500-P F-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-1601-85	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/
U.S. Geological Survey	I-2598-85	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/

Contaminant / Organization	Method Number	Reference Title	Date	EPA Publication Number	Publication Order Number	Source of Method
Orthophosphate	Unfiltered, no digestion or hydrolysis					
U.S. Geological Survey	I-2601-90	In Methods of Analysis by the U.S. Geological Survey National Water Quality Laboratory; Determination of Inorganic and Organic Constituents in Water and Fluvial Sediments, USGS Series: Open-file Report; edited by M.J. Fishman Report	1993		93-125	http://infotrek.er.usgs.gov/pubs/
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
pH						
ASTM International	D1293-84	Annual Book of ASTM Standards, Vol. 11.01				ASTM International (ASTM)
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

Contaminant / Organization	Method Number	Reference Title	Date	EPA Publication Number	Publication Order Number	Source of Method
pH						
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/
Selenium	Criteria for analyzing arsenic, barium, beryllium, cadmium, calcium, chromium, copper, lead, nickel, selenium, sodium and thallium with digestion or directly without digestion, and other analytical test procedures are contained in Technical Notes on Drinking Water Methods (EPA/600/R-94/173) available through EPA's digital publications National Environmental Publications Internet Site (NEPIS) database (http://www.epa.gov/nscep/).					
ASTM International	D3859-03 A	Annual Book of ASTM Standards, Vol. 11.01				http://www.astm.org
ASTM International	D3859-03 B	Annual Book of ASTM Standards, Vol. 11.01				http://www.astm.org
ASTM International	D3859-08 A	Annual Book of ASTM Standards, Vol. 11.01				http://www.astm.org
ASTM International	D3859-08 B	Annual Book of ASTM Standards, Vol. 11.01				http://www.astm.org
ASTM International	D3859-98 A	Annual Book of ASTM Standards, Vol. 11.01				http://www.astm.org
ASTM International	D3859-98 B	Annual Book of ASTM Standards, Vol. 11.01				http://www.astm.org

Contaminant / Organization	Method Number	Reference Title	Date	EPA Publication Number	Publication Order Number	Source of Method
Selenium	Criteria for analyzing arsenic, barium, beryllium, cadmium, calcium, chromium, copper, lead, nickel, selenium, sodium and thallium with digestion or directly without digestion, and other analytical test procedures are contained in Technical Notes on Drinking Water Methods (EPA/600/R-94/173) available through EPA's digital publications National Environmental Publications Internet Site (NEPIS) database (http://www.epa.gov/nscep/).					
EPA	200.5 Rev 4.2	Determination of Trace Elements in Drinking Water by Axially Viewed Inductively Coupled Plasma - Atomic Emission Spectrometery	October 2003	EPA/600/R-06/115		http://www.epa.gov/nerlcwww/ordmeth.htm
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
		Because MDLs reported in EPA Methods 200.7 and 200.9 were determined using a 2X preconcentration step during sample digestion, MDLs determined when samples are analyzed by direct analysis (i.e., no sample digestion) will be higher.				
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	3114 B	Standard Methods for the Examination of Water and Wastewater, 18th Edition	1992			Standard Methods
Standard Methods	3114 B	Standard Methods for the Examination of Water and Wastewater, 19th Edition	1995			Standard Methods

Contaminant / Organization	Method Number	Reference Title	Date	EPA Publication Number	Publication Order Number	Source of Method
Selenium	Criteria for analyzing arsenic, barium, beryllium, cadmium, calcium, chromium, copper, lead, nickel, selenium, sodium and thallium with digestion or directly without digestion, and other analytical test procedures are contained in Technical Notes on Drinking Water Methods (EPA/600/R-94/173) available through EPA's digital publications National Environmental Publications Internet Site (NEPIS) database (http://www.epa.gov/nscep/).					
Standard Methods	3114 B	Standard Methods for the Examination of Water and Wastewater, 21st Edition	2005			Standard Methods
Standard Methods Online	3113 B-04	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	3114 B-09	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	3114 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/

Contaminant / Organization	Method Number	Reference Title	Date	EPA Publication Number	Publication Order Number	Source of Method
Silica						
ASTM International	D859-00	Annual Book of ASTM Standards, Vol. 11.01				http://www.astm.org
ASTM International	D859-05	Annual Book of ASTM Standards, Vol. 11.01				http://www.astm.org
ASTM International	D859-88	Annual Book of ASTM Standards, Vol. 11.01				ASTM International (ASTM)
ASTM International	D859-94	Annual Book of ASTM Standards, Vol. 11.01				ASTM International (ASTM)
EPA	200.5 Rev 4.2	Determination of Trace Elements in Drinking Water by Axially Viewed Inductively Coupled Plasma - Atomic Emission Spectrometery	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
		Because MDLs reported in EPA Methods 200.7 and 200.9 were determined using a 2X preconcentration step during sample digestion, MDLs determined when samples are analyzed by direct analysis (i.e., no sample digestion) will be higher.				
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

Contaminant / Organization	Method Number	Reference Title	Date	EPA Publication Number	Publication Order Number	Source of Method
Silica						
Standard Methods	4500-Si D	Standard Methods for the Examination of Water and Wastewater, 18th Edition	1992			Standard Methods
Standard Methods	4500-Si D	Standard Methods for the Examination of Water and Wastewater, 19th Edition	1995			Standard Methods
Standard Methods	4500-Si E	Standard Methods for the Examination of Water and Wastewater, 18th Edition	1992			Standard Methods
Standard Methods	4500-Si E	Standard Methods for the Examination of Water and Wastewater, 19th Edition	1995			Standard Methods
Standard Methods	4500-Si F	Standard Methods for the Examination of Water and Wastewater, 18th Edition	1992			Standard Methods
Standard Methods	4500-Si F	Standard Methods for the Examination of Water and Wastewater, 19th Edition	1995			Standard Methods
Standard Methods	4500-SiO2 C	Standard Methods for the Examination of Water and Wastewater, 20th Edition	1998			Standard Methods
Standard Methods	4500-SiO2 C	Standard Methods for the Examination of Water and Wastewater, 21st Edition	2005			Standard Methods
Standard Methods	4500-SiO2 D	Standard Methods for the Examination of Water and Wastewater, 20th Edition	1998			Standard Methods
Standard Methods	4500-SiO2 D	Standard Methods for the Examination of Water and Wastewater, 21st Edition	2005			Standard Methods

Contaminant / Organization	Method Number	Reference Title	Date	EPA Publication Number	Publication Order Number	Source of Method
Silica						
Standard Methods	4500-SiO2 E	Standard Methods for the Examination of Water and Wastewater, 20th Edition	1998			Standard Methods
Standard Methods	4500-SiO2 E	Standard Methods for the Examination of Water and Wastewater, 21st Edition	2005			Standard Methods
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/
Standard Methods Online	4500-SiO2 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-SiO2 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/

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Silica						
Standard Methods Online	4500-SiO2 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/
U.S. Geological Survey	I-1700-85	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/
U.S. Geological Survey	I-2700-85	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/
Sodium	Criteria for analyzing arsenic, barium, beryllium, cadmium, calcium, chromium, copper, lead, nickel, selenium, sodium and thallium with digestion or directly without digestion, and other analytical test procedures are contained in Technical Notes on Drinking Water Methods (EPA/600/R-94/173) available through EPA's digital publications National Environmental Publications Internet Site (NEPIS) database (http://www.epa.gov/nscep/).					
ASTM International	D6919-03	Annual Book of ASTM Standards, Vol. 11.02				http://www.astm.org
ASTM International	D6919-09	Annual Book of ASTM Standards, Vol. 11.02				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 Spectrometery	October 2003	EPA/600/R-06/115		http://www.epa.gov/nerlcwww/ordmeth.htm

Contaminant / Organization	Method Number	Reference Title	Date	EPA Publication Number	Publication Order Number	Source of Method
Sodium	Criteria for analyzing arsenic, barium, beryllium, cadmium, calcium, chromium, copper, lead, nickel, selenium, sodium and thallium with digestion or directly without digestion, and other analytical test procedures are contained in Technical Notes on Drinking Water Methods (EPA/600/R-94/173) available through EPA's digital publications National Environmental Publications Internet Site (NEPIS) database (http://www.epa.gov/nscep/).					
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
		Because MDLs reported in EPA Methods 200.7 and 200.9 were determined using a 2X preconcentration step during sample digestion, MDLs determined when samples are analyzed by direct analysis (i.e., no sample digestion) will be higher.				
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 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/
Temperature						
Standard Methods	2550	Standard Methods for the Examination of Water and Wastewater, 18th Edition	1992			Standard Methods
Standard Methods	2550	Standard Methods for the Examination of Water and Wastewater, 19th Edition	1995			Standard Methods

Contaminant / Organization	Method Number	Reference Title	Date	EPA Publication Number	Publication Order Number	Source of Method
Temperature						
Standard Methods	2550	Standard Methods for the Examination of Water and Wastewater, 20th Edition	1998			Standard Methods
Standard Methods	2550	Standard Methods for the Examination of Water and Wastewater, 21st Edition	2005			Standard Methods
Standard Methods Online	2550-00	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/
Thallium	Criteria for analyzing arsenic, barium, beryllium, cadmium, calcium, chromium, copper, lead, nickel, selenium, sodium and thallium with digestion or directly without digestion, and other analytical test procedures are contained in Technical Notes on Drinking Water Methods (EPA/600/R-94/173) available through EPA's digital publications National Environmental Publications Internet Site (NEPIS) database (http://www.epa.gov/nscep/).					
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 Because MDLs reported in EPA Methods 200.7 and 200.9 were determined using a 2X preconcentration step during sample digestion, MDLs determined when samples are analyzed by direct analysis (i.e., no sample digestion) will be higher. Preconcentration may be required for direct analysis of antimony, lead, and thallium by Method 200.9	May 1994	EPA/600/R-94/111	PB95-125472	http://www.nemi.gov

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."