New drinking water methods available for accreditation 7-1-2013

Contaminant	Technology	EPA Method	SM 21st Ed. [1]	SM Online [3]	ASTM [4]	Other
Cyanide	Distillation + Colorimetry		4500-CN–G		D2036-06 B	
Cyanide	Distillation + Colorimetry		4500-CN–E		D2036-06 A	
Cyanide	Distillation + ISE		4500-CN–F			
Cyanide	GC/MS Headspace					ME355.01 [7]
Fluoride	IC (Ion Chromatography)		4110 B			
Fluoride	Distillation; Colorimetric SPADNS		4500-F–B, D			
Fluoride	ISE (Ion Selective Electrode)		4500-F–C		D 1179-04,10 B	
Fluoride	Colorimetric, Auto.,		4500-F–E			
Fluoride	Colorimetric SPADNS (Arsenite-Free)					Hach SPADNS 2 Method 10225 [22]
Nitrate	IC (Ion Chromatography)		4110 B			
Nitrate	Colorimetric, Auto., Cd Reduction		4500-NO_3-F			
Nitrate	Colorimetric, Cd Reduction		4500-NO_3-E			
Nitrate	ISE (Ion Selective Electrode)		4500-NO_3-D			
Nitrate	Colorimetry w/ Reduction					Systea Easy (1-Reagent) [8]
Nitrate	Colorimetry					Hach TNT+ Method 10206 [23]
Nitrite	IC (Ion Chromatography)		4110 B			
Nitrite	Colorimetric, Auto., Cd Reduction		4500-NO_3-F			
Nitrite	Colorimetric, Cd Reduction		4500-NO_3-E			
Nitrite	Colorimetry		4500-NO_2–B			
Nitrite	Colorimetry w/ Reduction					Systea Easy (1- Reagent) [8]
Antimony	Hydride AA				D 3697-07	
Antimony	Graphite Furnace AA		3113 B	3113 B-04		
Antimony	ICP, Axial View (AVICP-AES)	200.5, Rev. 4.2 [2]				
Arsenic	Graphite Furnace AA		3113 B	3113 B-04	D 2972-08 C	
Arsenic	Hydride AA		3114 B	3114 B-09	D 2972-08 B	
Arsenic	ICP, Axial View (AVICP-AES)	200.5, Rev. 4.2 [2]				
Barium	ICP -Emission		3120 B			
Barium	Flame AA, Direct Aspiration		3111 D			
Barium	Graphite Furnace AA		3113 B	3113 B-04		
Barium	ICP, Axial View (AVICP-AES)	200.5, Rev. 4.2 [2]				
Beryllium	ICP -Emission		3120 B			
Beryllium	Graphite Furnace AA		3113 B	3113 B-04	D 3645-08 B	
Beryllium	ICP, Axial View (AVICP-AES)	200.5, Rev. 4.2 [2]				
Cadmium	Graphite Furnace AA		3113 B	3113 B-04		
Cadmium	ICP, Axial View (AVICP-AES)	200.5, Rev. 4.2 [2]				
Chromium	ICP -Emission		3120 B			
Chromium	Graphite Furnace AA		3113 B	3113 B-04		
Chromium	ICP, Axial View (AVICP-AES)	200.5, Rev. 4.2 [2]				
Copper	Graphite Furnace AA		3113 B	3113 B-04	D 1688-07 C	
Copper	Flame AA, Direct Aspiration		3111 B		D 1688-07 A	
Copper	ICP -Emission		3120 B			
Copper	ICP, Axial View (AVICP-AES)	200.5, Rev. 4.2 [2]				
Lead	Graphite Furnace AA		3113 B	3113 B-04	D 3559-08 D	
Lead	ICP, Axial View (AVICP-AES)	200.5, Rev. 4.2 [2]				
Mercury	Cold Vapor AA, Manual		3112 B	3112 B-09		
Nickel	ICP -Emission		3120 B			
Nickel	Flame AA, Direct Aspiration		3111 B			
Nickel	Graphite Furnace AA		3113 B	3113 B-04		
Nickel	ICP, Axial View (AVICP-AES)	200.5, Rev. 4.2 [2]				
Selenium	Hydride AA		3114 B	3114 B-09	D 3859-08 A	
Selenium	Graphite Furnace AA		3113 B	3113 B-04	D 3859-08 B	
Selenium	ICP, Axial View (AVICP-AES)	200.5, Rev. 4.2 [2]				
Alkalinity	Titrimetric		2320 B		D 1067-06 B	
Chloride	Titrimetry, Silver Nitrate		4500-Cl–B		D 512-04 B	
Chloride	IC (Ion Chromatography)		4110 B			
Chloride	Titration, Potentiometric		4500-Cl–D			
Combined Chlorine	Titration, Amperometric		4500-Cl D		D 1253-08	
Combined Chlorine	Titrimetry, DPD/Ferrous		4500-Cl F			
Combined Chlorine	Colorimetry, DPD		4500-Cl G			
Conductivity	Conductance		2510 B			
DOC (Dissolved Organic Carbon)	High Temperature Combustion	415.3, Rev 1.2 [19]	5310 B			
DOC (Dissolved Organic Carbon)	Persulfate Oxidation (UV/Heat)	415.3, Rev 1.2 [19]	5310 C			
DOC (Dissolved Organic Carbon)	Wet Oxidation	415.3, Rev 1.2 [19]	5310 D			
Foaming Agents	Colorimetry		5540 C			
Free Chlorine	Titration, Amperometric		4500-Cl D		D 1253-08	
Free Chlorine	Titrimetric, DPD/Ferrous		4500-Cl F			
Free Chlorine	Colorimetric, DPD		4500-Cl G			
Free Chlorine	Colorimetric, Syringaldazine (FACTS)		4500-Cl H			
Free Chlorine	On-line Chlorine Analyzer					EPA 334.0 [16]
Free Chlorine	Amperometric Sensor					ChloroSense [17]
Orthophosphate	IC (Ion Chromatography)		4110 B			
Orthophosphate	Colorimetric, Ascorbic acid		4500-P E	4500-P E-99		

New drinking water methods available for accreditation 7-1-2013

Contaminant	Technology	EPA Method	SM 21st Ed. [1]	SM Online [3]	ASTM [4]	Other
Orthophosphate	Colorimetric, Auto Ascorbic Acid		4500-P F	4500-P F-99		
Ozone	Colorimetric, Indigo		4500-O_3B			
pH	Electrometric		4500-H^+B			
Silica	Colorimetry				D859-05, 10	
Silica	Colorimetric, Molybdosilicate		4500-SiO_2C			
Silica	Colorimetric, Heteropoly Blue		4500-SiO_2D			
Silica	Colorimetric, Auto. Heteropoly Blue		4500-SiO_2E			
Silica	ICP, Axial View (AVICP-AES)	200.5, Rev. 4.2 [2]				
Silica	Inductively Coupled Plasma		3120 B			
Sulfate	IC (Ion Chromatography)		4110 B			
Sulfate	Gravimetric - Ignition of Residue		4500-SO_4^{-2} C	4500-SO_4^{-2}C-97		
Sulfate	Gravimetric - Drying of Residue		4500-SO_4^{-2} D	4500-SO_4^{-2}D-97	D 516-07 –2	
Sulfate	Turbidimetric Method		4500-SO_4^{-2} E	4500-SO_4^{-2}E-97		
Sulfate	Colorimetric, Auto (Methylthymol Blue)		4500-SO_4^{-2} F	4500-SO_4^{-2}F-97		
Total Chlorine	Titration, Amperometric		4500-Cl D		D 1253-08	
Total Chlorine	Titration, Amperometric (Low level)		4500-Cl E			
Total Chlorine	Titrimetry, DPD/Ferrous		4500-Cl F			
Total Chlorine	Colorimetric, DPD		4500-Cl G			
Total Chlorine	ISE (Ion Selective Electrode), Iodometric		4500-Cl I			
Total Chlorine	On-line Chlorine Analyzer					EPA 334.0 [16]
Total Chlorine	Amperometric Sensor					ChloroSense [17]
Total Dissolved Solids	Gravimetric; 180 0C		2540 C			
TOC (Total Organic Carbon)	High Temperature Combustion	415.3, Rev 1.2 [19]	5310 B			
TOC (Total Organic Carbon)	Persulfate Oxidation (UV/Heat)	415.3, Rev 1.2 [19]	5310 C			
TOC (Total Organic Carbon)	Wet Oxidation	415.3, Rev 1.2 [19]	5310 D			
Turbidity	Nephelometry					
Turbidity	Nephelometry, Laser (on-line)		2130 B			Mitchell M5271 [10]
Turbidity	Nephelometry, LED (on-line)					Mitchell M5331 [11]
Turbidity	Nephelometry, LED (on-line)					AMI Turbiwell [15]
Turbidity	Nephelometry, LED (portable)					Orion AQ4500 [12]
UV254 (UV absorption at 254 nm)	Spectrophotometry	415.3, Rev 1.2 [19]	5910 B			
Aluminum	ICP, Axial View (AVICP-AES)	200.5, Rev. 4.2 [2]				
Aluminum	Flame AA, Direct Aspiration		3111D			
Aluminum	Graphite Furnace AA		3113 B	3113 B-04		
Aluminum	ICP -Emission		3120 B			
Calcium	Titrimetric, EDTA		3500-Ca B		D 511-09 A	
Calcium	Flame AA, Direct Aspiration		3111 B		D 511-09 B	
Calcium	ICP -Emission		3120 B			
Calcium	ICP, Axial View (AVICP-AES)	200.5, Rev. 4.2 [2]				
Calcium	IC (Ion Chromatography)				D 6919-09	
Iron	ICP, Axial View (AVICP-AES)	200.5, Rev. 4.2 [2]				
Iron	Flame AA, Direct Aspiration		3111 B			
Iron	Graphite Furnace AA		3113 B	3113 B-04		
Iron	ICP -Emission		3120 B			
Magnesium	Flame AA, Direct Aspiration		3111 B		D 511-09 B	
Magnesium	ICP -Emission		3120 B			
Magnesium	Titrimetric		3500-Mg B		D 511-09 A	
Magnesium	ICP, Axial View (AVICP-AES)	200.5, Rev. 4.2 [2]				
Magnesium	IC (Ion Chromatography)				D 6919-09	
Manganese	ICP, Axial View (AVICP-AES)	200.5, Rev. 4.2 [2]				
Manganese	Flame AA, Direct Aspiration		3111 B			
Manganese	Graphite Furnace AA		3113 B	3113 B-04		
Manganese	ICP -Emission		3120 B			
Silver	ICP, Axial View (AVICP-AES)	200.5, Rev. 4.2 [2]				
Silver	Flame AA, Direct Aspiration		3111 B			
Silver	Graphite Furnace AA		3113 B	3113 B-04		
Silver	ICP -Emission		3120 B			
Sodium	Flame AA, Direct Aspiration		3111 B			
Sodium	ICP, Axial View (AVICP-AES)	200.5, Rev. 4.2 [2]				
Sodium	IC (Ion Chromatography)				D 6919-09	
Zinc	ICP, Axial View (AVICP-AES)	200.5, Rev. 4.2 [2]				
Zinc	Flame AA, Direct Aspiration		3111 B			
Zinc	ICP -Emission		3120 B			
Bromate	2-D Ion Chromatography (IC-IC)	302.0 [18]				
Bromate	IC-ESI-MS/MS	557 [14]				
Bromate	IC (Ion Chromatography) - Chem. Supp.				D 6581-08 A	
Bromate	IC (Ion Chromatography)				D 6581-00	
Bromate	IC (Ion Chromatography) - Electro. Supp.				D 6581-08 B	
Chlorine Dioxide	Titration, Amperometric		4500-ClO_2C			
Chlorine Dioxide	Titration, Amperometric		4500-ClO_2E			
Chlorite	IC (Ion Chromatography) - Chem. Supp.				D 6581-08 A	
Chlorite	IC (Ion Chromatography) - Electro. Supp.				D 6581-08 B	
Chlorite	Titration, Amperometric		4500-ClO_2E	4500-ClO_2E-00		
Chlorite	IC (Ion Chromatography)				D 6581-00	
HAA5	LLE (diazomethane)/GC-ECD		6251 B	6251 B-94		

New drinking water methods available for accreditation 7-1-2013

Contaminant	Technology	EPA Method	SM 21st Ed. [1]	SM Online [3]	ASTM [4]	Other
HAA5	IC-ESI-MS/MS	557 [14]				
2,4,5-TP (Silvex)	GC/ECD		6640 B	6640 B-01		
2,4-D	GC/ECD		6640 B	6640 B-01		
Dalapon	IC-ESI-MS/MS	557 [14]				
Dalapon	GC/ECD		6640 B	6640 B-01		
Dinoseb	GC/ECD		6640 B	6640 B-01		
Pentachlorophenol	GC/ECD		6640 B	6640 B-01		
Pentachlorophenol	SPE-GC/MS	525.3 [24]				
Picloram	GC/ECD		6640 B	6640 B-01		
Alachlor	SPE-GC/MS	525.3 [24]				
Atrazine	SPE-GC/MS	523 [26]				
Atrazine	SPE-GC/MS	525.3 [24]				
Atrazine	LC/ESI-MS/MS	536 [25]				
Benzo(a)pyrene	SPE-GC/MS	525.3 [24]				
Carbofuran	HPLC w/ PCD and Fluor. Detection		6610 B	6610 B-04		6610, SM 20th Ed. [6]
Di(2-ethylhexyl)adipate	SPE-GC/MS	525.3 [24]				
Di(2-ethylhexyl)phthalate	SPE-GC/MS	525.3 [24]				
Glyphosate	HPLC w/ PCD and Fluor. Detection		6651 B	6651 B-00		
Hexachlorobenzene	SPE-GC/MS	525.3 [24]				
Hexachlorocyclo-pentadiene	SPE-GC/MS	525.3 [24]				
Oxamyl	HPLC w/ PCD and Fluor. Detection		6610 B	6610 B-04		6610, SM 20th Ed. [6]
PCBs (as Aroclors)	SPE-GC/MS	525.3 [24]				
Simazine	SPE-GC/MS	523 [26]				
Simazine	SPE-GC/MS	525.3 [24]				
Simazine	LC/ESI-MS/MS	536 [25]				
Chlordane	SPE-GC/MS	525.3 [24]				
Endrin	SPE-GC/MS	525.3 [24]				
Heptachlor	SPE-GC/MS	525.3 [24]				
Heptachlor Epoxide	SPE-GC/MS	525.3 [24]				
Lindane	SPE-GC/MS	525.3 [24]				
Methoxychlor	SPE-GC/MS	525.3 [24]				
Toxaphene	SPE-GC/MS	525.3 [24]				

IC-ESI-MS/MS *Ion Chromatography - Electrospray Ionization Tandem Mass Spectrometry*
LC/ESI-MS/MS *Liquid Chromatography - Electrospray Ionization Tandem Mass Spectrometry*
SPE-GC/MS *Solid Phase Extraction - GC/MS*

Method References

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