



# DRINKING WATER TEST METHODS

## PRIMARY INORGANICS

Matrix	Test Description	Method
Drinking Water	Metals, Primary Drinking Water: Antimony, Arsenic, Lead, Selenium, Thallium	200.8
Drinking Water	Metals, Primary Drinking Water: Barium, Beryllium, Cadmium, Chromium	200.7
Drinking Water	Metals, Primary Drinking Water: Mercury	245.1/200.8
Drinking Water	Cyanide	335.4/SM4500 CN-C/E
Drinking Water	Fluoride	300.0
Drinking Water	Nitrogen, Nitrate	300.0/353.2
Drinking Water	Nitrogen, Nitrite	300.0/353.2
Drinking Water	Nitrogen, Nitrate/Nitrite (calculation)	300.0/353.2
Drinking Water	Asbestos	100.2

## SECONDARY STANDARD INORGANICS

Matrix	Test Description	Method
Drinking Water	Metals, Secondary Drinking Water: Aluminum, Copper	200.8
Drinking Water	Metals, Secondary Drinking Water: Iron, Manganese, Silver, Zinc	200.7
Drinking Water	Chloride	300.0
Drinking Water	Color, Apparent	SM2120B
Drinking Water	Odor	SM2150B
Drinking Water	pH	SM4500H+B
Drinking Water	Solids, Total Dissolved (TDS)	SM2540C
Drinking Water	Sulfate	300.0
Drinking Water	Surfactants MBAS Foaming Agents	SM5540C

## PRIMARY VOLATILE ORGANICS

Matrix	Test Description	Method
Drinking Water	Volatile Organic Compounds	524.2

## PRIMARY SYNTHETIC ORGANIC CONTAMINANTS

Matrix	Test Description	Method
Drinking Water	Carbamates	531.2/531.1
Drinking Water	Diquat	549.2
Drinking Water	EDB/DBCP	504.1
Drinking Water	Endothall	548.1
Drinking Water	Glyphosate	547
Drinking Water	Herbicides	515.3
Drinking Water	PCBs, Toxaphene and Chlordane	505
Drinking Water	Semi-Volatile Organic Compounds and Pesticides	525.3/525.2
Drinking Water	2,3,7,8-TCDD (Dioxin)	1613

## PRIMARY RESIDUAL DISINFECTANTS

Matrix	Test Description	Method
Drinking Water	Chlorine, Total Residual	SM4500Cl-D/SM4500Cl-G
Drinking Water	Chloramine	SM4500Cl-D
Drinking Water	Chlorine Dioxide	SM4500ClO2

## PRIMARY MICROORGANISMS

Matrix	Test Description	Method
Drinking Water	Coliform, Total/E. coli	SM9223B

## PRIMARY DISINFECTION BYPRODUCTS

Matrix	Test Description	Method
Drinking Water	Trihalomethanes (THMs)	524.2
Drinking Water	Haloacetic Acids (HAAs)	552.3/552.2
Drinking Water	Bromate	300.1
Drinking Water	Chlorite	300.1

## PRIMARY RADIONUCLIDES

Matrix	Test Description	Method
Drinking Water	Gross Alpha	900.0
Drinking Water	Gross Beta	900.0
Drinking Water	Radium-226	903.1
Drinking Water	Radium-228	904.0
Drinking Water	Uranium	200.8

## MISCELLANEOUS PRIMARY CONTAMINANTS - APPLICABLE TO SURFACE WATER AND GWUDI SYSTEMS

Matrix	Test Description	Method
Drinking Water	Acrylamide	LCMS-SOP
Drinking Water	Epichlorohydrin	524.2
Drinking Water	Giardia/Cryptosporidium, includes filter	1623
Drinking Water	Viruses, enteric, includes filter	EPA 600/R-95/178
Drinking Water	Legionella	IDEXX Legiolert/ISO 11731:2017
Drinking Water	Turbidity	180.1
Drinking Water	Heterotrophic Plate Count	Simplate

## MISCELLANEOUS UNREGULATED WATER QUALITY PARAMETERS

Matrix	Test Description	Method
Drinking Water	Alkalinity	SM2320B
Drinking Water	Carbon, Dissolved Organic (DOC)	SM5310B
Drinking Water	Carbon, Total Organic (TOC)	SM5310B
Drinking Water	Chlorate	300.1
Drinking Water	Chromium, Hexavalent	EPA 218.7
Drinking Water	Conductivity	SM2510B
Drinking Water	Corrosivity, Langlier Index (Calculation using Calcium, TDS, Temperature, pH, Alkalinity)	SM2330B
Drinking Water	1,4-Dioxane	522
Drinking Water	Hardness	SM2340B
Drinking Water	Orthophosphate	300.0/365.1/SM4500P E
Drinking Water	Perchlorate	314.0
Drinking Water	Per- & Polyfluoroalkyl Substances (PFAS) - 18 compounds	537.1
Drinking Water	Per- & Polyfluoroalkyl Substances (PFAS) - 25 compounds	533
Drinking Water	Phenols, Total Recoverable	420.4/420.1
Drinking Water	Radon	SM7500-Rn
Drinking Water	Salinity	SM2520B
Drinking Water	Tritium	906.0
Drinking Water	UV 254	SM5910B