

ASTM Volume 11.01, April 2025

D5463-18 Standard Guide for Use of Test Kits to Measure Inorganic Constituents in Water

D3866-18 Standard Test Methods for Silver in Water

D6581-18 Standard Test Methods for Bromate, Bromide, Chlorate, and Chlorite in Drinking Water by Suppressed Ion Chromatography

R0023 List of Committee D19 Withdrawn and Superseded Standards (This is not an ASTM standard)

R0022 Proposed Methods Prepared by Committee D19 and Published as Information (This is not an ASTM standard; available as PDF, only)

D5810-96(2021) Standard Guide for Spiking into Aqueous Samples

D5540-13(2021) Standard Practice for Flow Control and Temperature Control for On-Line Water Sampling and Analysis

D5851-95(2021) Standard Guide for Planning and Implementing a Water Monitoring Program

D5543-21 Standard Test Method for Low-Level Dissolved Oxygen in Water

D4453-17 Standard Practice for Handling of High Purity Water Samples

D3697-17 Standard Test Method for Antimony in Water

D857-17 Standard Test Method for Aluminum in Water

D3372-17 Standard Test Method for Molybdenum in Water

D3373-17 Standard Test Method for Vanadium in Water

D1691-17 Standard Test Methods for Zinc in Water

D3557-17 Standard Test Methods for Cadmium in Water

D3223-17 Standard Test Method for Total Mercury in Water

D1687-17 Standard Test Methods for Chromium in Water

D858-17 Standard Test Methods for Manganese in Water

D1293-18 Standard Test Methods for pH of Water

D4188-17 Standard Practice for Performing Pressure In-Line Coagulation-Flocculation-Filtration Test in Water

D5257-17 Standard Test Method for Dissolved Hexavalent Chromium in Water by Ion Chromatography

D3920-18 Standard Test Method for Strontium in Water

D4309-18 Standard Practice for Sample Digestion Using Closed Vessel Microwave Heating Technique for the Determination of Total Metals in Water

D4382-18 Standard Test Method for Barium in Water, Atomic Absorption Spectrophotometry, Graphite Furnace

D5907-18 Standard Test Methods for Filterable Matter (Total Dissolved Solids) and Nonfilterable Matter (Total Suspended Solids) in Water

D1688-17 Standard Test Methods for Copper in Water

D4840-99(2018)e1 Standard Guide for Sample Chain-of-Custody Procedures

D4691-17 Standard Practice for Measuring Elements in Water by Flame Atomic Absorption Spectrophotometry

D6145-97(2018) Standard Guide for Monitoring Sediment in Watersheds

D6568-00(2018) Standard Guide for Planning, Carrying Out, and Reporting Traceable Chemical Analyses of Water Samples

D6146-97(2018) Standard Guide for Monitoring Aqueous Nutrients in Watersheds

D6808-02(2018)e1 Standard Practice for Competency Requirements of Reference Material Producers for Water Analysis

D7729-12(2018)e1 Standard Practice for Determining and Expressing Precision of Measurement Results, in the Analysis of Water, as Relative Standard Deviation, Utilizing DQCALC Software

D596-01(2018) Standard Guide for Reporting Results of Analysis of Water

D1385-07(2018)e1 Standard Test Method for Hydrazine in Water

D1126-17 Standard Test Method for Hardness in Water

D5127-13(2018) Standard Guide for Ultra-Pure Water Used in the Electronics and Semiconductor Industries

D6362-98(2018) Standard Practice for Certificates of Reference Materials for Water Analysis

D5612-94(2018) Standard Guide for Quality Planning and Field Implementation of a Water Quality Measurement Program

D807-18 Standard Practice for Assessing the Tendency of Industrial Boiler Waters to Cause Embrittlement (USBM Embrittlement Detector Method)

D888-18 Standard Test Methods for Dissolved Oxygen in Water

D5196-06(2018) Standard Guide for Bio-Applications Grade Water

D5905-98(2018) Standard Practice for the Preparation of Substitute Wastewater

D4327-17 Standard Test Method for Anions in Water by Suppressed Ion Chromatography

D4841-88(2018) Standard Practice for Estimation of Holding Time for Water Samples Containing Organic and Inorganic Constituents

D6689-01(2019)e1 Standard Guide for Optimizing, Controlling, and Reporting Test Method Uncertainties from Multiple Workstations in the Same Laboratory Organization

D4127-18a Standard Terminology Used with Ion-Selective Electrodes

D8234-19 Standard Test Method for Anions in High Ionic Water by Ion Chromatography using Tandem Suppressed Conductivity and UV Detection

D6764-02(2019) Standard Guide for Collection of Water Temperature, Dissolved-Oxygen Concentrations, Specific Electrical Conductance, and pH Data from Open Channels

F660-83(2019) Standard Practice for Comparing Particle Size in the Use of Alternative Types of Particle Counters

D5389-93(2019) Standard Test Method for Open-Channel Flow Measurement by Acoustic Velocity Meter Systems

D5387-93(2019) Standard Guide for Elements of a Complete Data Set for Non-Cohesive Sediments

D2791-19 Standard Test Method for On-Line Determination of Sodium in Water

D5243-92(2019) Standard Test Method for Open-Channel Flow Measurement of Water Indirectly at Culverts

D7366-08(2019) Standard Practice for Estimation of Measurement Uncertainty for Data from Regression-based Methods

D1976-20 Standard Test Method for Elements in Water by Inductively-Coupled Plasma Atomic Emission Spectroscopy

D8272-19 Standard Guide for Development and Optimization of D19 Chemical Analysis Methods Intended for EPA Compliance Reporting

D3864-12(2021) Standard Guide for On-Line Monitoring Systems for Water Analysis

D8361-20 Standard Test Method for Total Organic Carbon in Water by Two Stage Wet Chemical Catalyzed Hydroxyl Radical Oxidation with Infra-Red Detection of Resulting Carbon Dioxide

D859-16(2021)e1 Standard Test Method for Silica in Water

D1246-16(2021)e1 Standard Test Method for Bromide Ion in Water

D1179-16(2021)e1 Standard Test Methods for Fluoride Ion in Water

D1292-15(2021)e1 Standard Test Method for Odor in Water

D1253-14(2021)e1 Standard Test Method for Residual Chlorine in Water

D511-14(2021)e1 Standard Test Methods for Calcium and Magnesium In Water

D1886-14(2021)e1 Standard Test Methods for Nickel in Water

D1426-15(2021)e1 Standard Test Methods for Ammonia Nitrogen In Water

D1971-16(2021)e1 Standard Practices for Digestion of Water Samples for Determination of Metals by Flame Atomic Absorption, Graphite Furnace Atomic Absorption, Plasma Emission Spectroscopy, or Plasma Mass Spectrometry

D6301-21 Standard Practice for Collection of On-Line Composite Samples of Suspended Solids and Ionic Solids in Process Water

D3867-16(2021)e1 Standard Test Methods for Nitrite-Nitrate in Water

D8422-21 Standard Practice for Pre-Stressing Terminal Point-of-Use Water Filters before Testing by Test Method F838

D1941-21 Standard Test Method for Open Channel Flow Measurement of Water with the Parshall Flume

D5242-21 Standard Test Method for Open-Channel Flow Measurement of Water with Thin-Plate Weirs

D5390-21 Standard Test Method for Open-Channel Flow Measurement of Water with Palmer-Bowlus Flumes

D5388-21 Standard Test Method for Indirect Measurements of Discharge by Step-Backwater Method

D7783-21 Standard Practice for Within-laboratory Quantitation Estimation (WQE)

D2777-21 Standard Practice for Determination of Precision and Bias of Applicable Test Methods of Committee D19 on Water

D5906-21 Standard Guide for Measuring Horizontal Positioning During Measurements of Surface Water Depths

D6326-22 Standard Practice for Selection of Maximum Transit-Rate Ratios and Depths for the U.S. Series of Isokinetic Suspended-Sediment Samplers

D1498-14(2022)e1 Standard Test Method for Oxidation-Reduction Potential of Water

D5128-14(2022) Standard Test Method for On-Line pH Measurement of Water of Low Conductivity

D6071-14(2022) Standard Test Method for Low Level Sodium in High Purity Water by Graphite Furnace Atomic Absorption Spectroscopy

D6502-10(2022) Standard Test Method for Measurement of On-line Integrated Samples of Low Level Suspended Solids and Ionic Solids in Process Water by X-Ray Fluorescence (XRF)

D516-22 Standard Test Method for Sulfate Ion in Water

D512-23 Standard Test Methods for Chloride Ion In Water

D5391-23 Standard Test Method for Electrical Conductivity and Resistivity of a Flowing High Purity Water Sample

D1125-23 Standard Test Methods for Electrical Conductivity and Resistivity of Water

D4638-16(2023) Standard Guide for Preparation of Biological Samples for Inorganic Chemical Analysis

D6569-23 Standard Test Method for On-Line Measurement of pH

D5173-15(2023) Standard Guide for On-Line Monitoring of Total Organic Carbon in Water by Oxidation and Detection of Resulting Carbon Dioxide

D7126-15(2023) Standard Test Method for On-Line Colorimetric Measurement of Silica

D7980-15(2023) Standard Guide for Ion-Chromatographic Analysis of Anions in Grab Samples of Ultrapure Water (UPW) in the Semiconductor Industry

D8192-23 Standard Test Method for Hardness in Colored and Colorless Water

D8489-23e1 Standard Test Method for Determination of Microplastics Particle and Fiber Size, Distribution, Shape, and Concentration in Waters with High to Low Suspended Solids Using a Dynamic Image Particle Size and Shape Analyzer

D7937-15(2023) Standard Test Method for In-situ Determination of Turbidity Above 1 Turbidity Unit (TU) in Surface Water

D4189-23 Standard Test Method for Silt Density Index (SDI) of Water

D7677-16(2023) Standard Test Method for the Continuous Measurement of Dissolved Ozone in Low Conductivity Water

D7725-17(2023) Standard Test Method for the Continuous Measurement of Turbidity Above 1 Turbidity Unit (TU)

D5544-16(2023) Standard Test Method for On-Line Measurement of Residue After Evaporation of High-Purity Water

D6855-17(2023) Standard Test Method for Determination of Turbidity Below 5 NTU in Static Mode

D7315-17(2023) Standard Test Method for Determination of Turbidity Above 1 Turbidity Unit (TU) in Static Mode

D7726-11(2023) Standard Guide for The Use of Various Turbidimeter Technologies for Measurement of Turbidity in Water

D2972-15(2023) Standard Test Methods for Arsenic in Water

D3558-15(2023) Standard Test Methods for Cobalt in Water

D3645-15(2023) Standard Test Methods for Beryllium in Water

D3859-15(2023) Standard Test Methods for Selenium in Water

D4190-15(2023) Standard Test Method for Elements in Water by Direct-Current Plasma Atomic Emission Spectroscopy

D7512-09(2023) Standard Guide for Monitoring of Suspended-Sediment Concentration in Open Channel Flow Using Optical Instrumentation

D2688-23 Standard Test Method for Determination of Corrosion Rate in a Water System in the Absence of Heat Transfer (Weight Loss Method)

D5541-24 Standard Practice for Developing a Stage-Discharge Relation for Open Channel Flow

D6318-24 Standard Practice for Calibrating a Fathometer Using a Bar Check Method

D6504-11(2024) Standard Practice for On-Line Determination of Cation Conductivity in High Purity Water

D6698-24 Standard Test Method for On-Line Measurement of Turbidity Below 5 NTU in Water

D4778-24 Standard Test Method for Determination of Corrosion and Fouling Tendency of Cooling Water Under Heat Transfer Conditions

D5997-15(2024) Standard Test Method for On-Line Monitoring of Total Carbon, Inorganic Carbon in Water by Ultraviolet, Persulfate Oxidation, and Membrane Conductivity Detection

D6317-15(2024) Standard Test Method for Low Level Determination of Total Carbon, Inorganic Carbon and Organic Carbon in Water by Ultraviolet, Persulfate Oxidation, and Membrane Conductivity Detection

D8596-24 Standard Test Method for Bioavailable Aluminum in Water with Suspended Solids

D1193-24 Standard Specification for Reagent Water

D1129-24 Standard Terminology Relating to Water

D1067-16(2024) Standard Test Methods for Acidity or Alkalinity of Water

D513-16(2024) Standard Test Methods for Total and Dissolved Carbon Dioxide in Water

D3370-25 Standard Practices for Sampling Water from Flowing Process Streams

D5464-25 Standard Test Method for pH Measurement of Water of Low Conductivity

D1066-18(2025) Standard Practice for Sampling Steam