

DWRLB Chemistry Methods_2016	Analyte/Parameter	Method Title
EPA 150.1	pH	pH (Electrometric)
EPA 180.1 (rev 2.0)	Turbidity	Determination of Turbidity by Nephelometry
EPA 200.7 (rev 4.4)	Metals - ICP-AES (also total hardness)	Determination of Metals and Trace Elements in Water and Wastes by Inductively Coupled Plasma-Atomic Emission Spectrometry
EPA 200.8 (rev 5.4)	Metals - ICP-MS	Determination of Trace Elements in Waters and Wastes by Inductively Coupled Plasma Mass Spectrometry
EPA 218.7 (rev 1.0)	Hexavalent Chromium	Determination of Hexavalent Chromium in Drinking Water by Ion Chromatography with Post-Column Derivatization and UV-Visible Spectroscopic Detection
EPA 245.1 (rev 3.0)	Mercury	Determination of Mercury in Water by Cold Vapor Atomic Absorption Spectrometry
EPA 300.1 A (rev 1.0)	Anions	Determination of Inorganic Anions in Drinking Water by Ion Chromatography
EPA 300.1 B (rev 1.0)	Anions	Determination of Inorganic Anions in Drinking Water by Ion Chromatography
EPA 331 (rev 1.0)	Perchlorate	Determination of Perchlorate in Drinking Water by Liquid Chromatography Electro-spray Ionization Mass Spectrometry
EPA 332 (rev 1.0)	Perchlorate	Determination of Perchlorate in Drinking Water by Ion Chromatography with Suppressed Conductivity and Electro-spray Ionization Mass Spectrometry
EPA 420.2	Phenolics	Phenolics (Colorimetric, Automated 4-AAP With Distillation)
EPA 504.1 (rev 1.1)	EDB/DBCP	1,2-Dibromomethane (EDB), 1,2-Dibromo-3-Chloro-Propane (DBCP) And 1,2,3-Trichloropropane (123TCP) in Water by Microextraction And Gas Chromatography
EPA 505 (rev 2.1)	Organohalide Pesticides and Polychlorinated Biphenyls	Analysis of Organohalide Pesticides and Commercial Polychlorinated Biphenyl (PCB) Products in Water by Microextraction and Gas Chromatography
EPA 508 (rev 3.1)	Chlorinated Pesticides	Determination of Chlorinated Pesticides in Water by Gas Chromatography with an Electron Capture Detector
EPA 508A (rev 1.0)	Polychlorinated Biphenyls	Screening for Polychlorinated Biphenyls by Perchlorination and Gas Chromatography
EPA 515.4 (rev 1.0)	Chlorinated Acids	Determination of Chlorinated Acids in Drinking Water by Liquid-liquid Microextraction, Derivatization and Fast Gas Chromatography with Electron Capture Detection
EPA 521 (rev 1.0)	Nitrosamines	Determination of Nitrosamines in Drinking Water by Solid Phase Extraction with Capillary Column Gas Chromatography with Large Volume Injection and Chemical Ionization Tandem Mass Spectrometry
EPA 522 (rev 1.0)	1,4-Dioxane	Determination of 1,4-Dioxane in Drinking Water by Solid Phase Extraction (SPE) and Gas Chromatography/Mass Spectrometry (GC/MS) with Selected Ion Monitoring (SIM)
EPA 524.2 (rev 4.1)	Volatile Organic Compounds	Measurement of Purgeable Organic Compounds in Water by Capillary Column Gas Chromatography/Mass Spectrometry
EPA 525.2 (rev 2.0)	Semivolatile Organic Compounds	Determination of Organic Compounds in Drinking Water by Liquid-solid Extraction and Capillary Column Gas Chromatography/Mass Spectrometry
EPA 531.2 (rev 1.0)	N-Methylcarbamoyloximes and N-Methylcarbamates	Measurement of N-Methylcarbamoyloximes and N-Methylcarbamates in Water by Direct Aqueous Injection HPLC with Post Column Derivatization
EPA 547	Glyphosate	Determination of Glyphosate in Drinking Water by Direct Aqueous Injection HPLC, Post-Column Derivatization and Fluorescence Detection
EPA 548.1 (rev 1.0)	Endothall	Determination of Endothall in Drinking Water by Ion Exchange Extraction, Acidic Methanol Methylation and Gas Chromatography/Mass Spectrometry
EPA 549.2 (rev 1.0)	Diquat/Paraquat	Determination of Diquat and Paraquat in Drinking Water by Liquid-Solid Extraction and High Performance Liquid Chromatography with Ultraviolet Detection
EPA 552.3 (rev 1.0)	Haloacetic Acids	Determination of Haloacetic Acids and Dalapon in Drinking Water by Liquid-liquid Microextraction, Derivatization and Gas Chromatography with Electron Capture Detection
EPA 1694	Pharmaceuticals and Personal Care Products	Pharmaceuticals and Personal Care Products in Water, Soil, Sediment and Biosolids by HPLC/MS/MS
DWRL_Arsenic Speciation	Arsenic Speciation	Arsenic Speciation by Ion Chromatography followed by Inductively Coupled Plasma Mass Spectrometry Determination of
DWRL_1,2,3-TCP CLLE	1,2,3-TCP	Determination of 1,2,3-Trichloropropane in Drinking Water by Continuous Liquid-Liquid Extraction and Gas Chromatography/Mass Spectrometry; http://www.waterboards.ca.gov/drinking_water/certlic/drinkingwater/123TCP.shtm
DWRL_1,2,3-TCP P&T	1,2,3-TCP	Determination of 1,2,3-Trichloropropane in Drinking Water by Purge and Trap and Gas Chromatography/Mass Spectrometry; http://www.waterboards.ca.gov/drinking_water/certlic/drinkingwater/123TCP.shtm
DWRL_Rotenone/Piperonyl butoxide	Rotenone/Piperonyl Butoxide	Determination of Rotenoids and Piperonyl Butoxide in Water, Sediments, and Pesticide Formulations: http://pubs.rsc.org/en/content/articlelanding/1999/em/a904398e
DWRL_Microcystins	Microcystins	Optimizing LC-MS-MS Determination of Microcystin Toxins in Natural Water and Drinking Water Supplies: http://pubs.rsc.org/en/content/articlelanding/2013/ay/c3ay41328d
DWRL_MIB/Geosmin	MIB/Geosmin	Determination of Geomin and MIB in Water by Purge & Trap/Gas Chromatography/Mass Spectroscopy
DWRL_Sucralose	Sucralose	Determination of Sucralose in Water by Solid Phase Extraction and Liquid Chromatography/Tandem Mass Spectroscopy
Lachat Quickchem 10-204-00-1-X (rev 2.1)	Cyanide	Cyanide in Drinking and Wastewaters using the MICRO DIST Distillation system utilizing Gas Diffusion Separation and Amperometric Detection, Lachat Instruments, 6/24/2008
SM2120B, 21st Edition	Color	Color: Visual Comparison Method
SM2320B, 21st Edition	Alkalinity	Alkalinity: Titration Method
SM2340B, 21st Edition	Hardness	Hardness: Hardness by Calculation
SM2350B, 21st Edition	Chlorine Demand	Oxidant Demand: Chlorine Demand
SM2510B, 21st Edition SM2540B, 21st Edition SM2540C,	Conductivity Total Solids (103-105-C) Total	Conductivity: Laboratory Method Solids: Total Solids Dried at 103 - 105-C Solids: Total Solids Dried at 180-C
SM4500-Cl D, 21st Edition	Chlorine Residual	Chlorine Residual: Amperometric Titration Method
SM4500-Cl D,E, 21st Edition	Chlorine Residual (Low)	Chlorine Residual: Low-Level Amperometric Titration Method
SM4500-NH3 D, 21st Edition	Ammonia	Nitrogen (Ammonia): Ammonia-Selective Electrode Method
SM4500-P F, 21st Edition	Phosphorus	Phosphorus: Automated Ascorbic Acid Reduction Method
SM4500-Si F, 19th Edition	Silica	Silica: Automated Method for Molybdate-Reactive Silica
SM5210B, 21st Edition	Biochemical Oxygen Demand (BOD)	Biochemical Oxygen Demand (BOD): 5-Day BOD Test
SM5310B, 21st Edition	Total Organic Carbon (TOC) - Combustion	Total Organic Carbon (TOC): High Temperature Combustion Method
SM5310C, 21st Edition	Total Organic Carbon (TOC) - Persulfate/UV	Total Organic Carbon (TOC): Persulfate-Ultraviolet or Heated-Persulfate Oxidation Method
SM5520G, 21st Edition	Oil and Grease	Oil and Grease: Solid-Phase, Partition-Gravimetric Method
SM5540C, 21st Edition	Surfactants	Surfactants: Anionic Surfactants as MBAS
SM5910B, 21st Edition	UV-Absorbing Organic Constituents	UV-Absorbing Organic Constituents: Ultraviolet Absorption Method
CN_Anion Screening Method_092905	Anion Screening Method	Ion Chromatographic Screening Method for Anions
CN_Metals Screening Method_MWDSC	Metals Screening Method	Semi-Quantitative Determination of Metals and Semi-Metals by Inductively Coupled Plasma-Mass Spectrometry (ICP-MS), Metropolitan Water District of Southern California
CN_NVOC Screening Method_010413	Nonvolatile Screening Method	Detection and Identification of Nonvolatile and Semivolatile Compounds in Water by Atmospheric Pressure Ionization LC-MS(-MS)
CN_SVOC Screening Method_042510	Semivolatile Screening Method	Screening for Unknown Semivolatile Organic Compounds (SVOC) by Solid Phase Extraction and Gas Chromatography/Mass Spectrometry (GC/MS)
CN_VOC Screening Method_MWDSC	Volatile Organic Compound Screening Method	Standard Operating Procedure for the Measurement of Unknown Purgeable Organic Compounds in Water by Capillary Column Gas Chromatography/Mass Spectrometry, Metropolitan Water District of Southern California

* EPA = U. S. Environmental Protection Agency; DWRL = Drinking Water & Radiation Laboratory;
Lachat = U.S. EPA-Approved Vendor Method; SM = Standard Methods; CN = Emergency Response Methods from DWRL or Metropolitan Water District of Southern California