

## Reference Values

Column(s) Used	Reference ID	Reference Description
Analytic Method	% SOLIDS-BU	Total Solids
Analytic Method	ALEPH	AL Extractable Petroleum Hydrocarbons
Analytic Method	alphacnt	Lead-210
Analytic Method	ALS SOP	Pesticides
Analytic Method	AREPH	AR Extractable Petroleum Hydrocarbons
Analytic Method	ASTM E777	E777 Total Organic Carbon
Analytic Method	AVS	Acid Volatile Sulfide
Analytic Method	AXYS MLA-010	PCBs and PCB Congeners
Analytic Method	AXYS MLA-013	Dioxins, Pesticides and PCB Congeners
Analytic Method	AXYS MLA-017	Dioxins and PCB Congeners
Analytic Method	AXYS MLA-021	PAHs
Analytic Method	AXYS MLA-027	Phthalates
Analytic Method	AXYS MLA-028	Pesticides
Analytic Method	BERA Sum	Calculated Values
Analytic Method	BHHRA Sum	Calculated Values
Analytic Method	CALC	Calculation
Analytic Method	CALC (PDI 2018)	Calculated Values based on PDI 2018 Rules
Analytic Method	CAS SOC-PESTMS2	CAS SOC-PESTMS2
Analytic Method	CS304	Conventionals (Cond, depth, DO, pH, Temp)
Analytic Method	CWA1613B	Clean Water Act - Dioxins and Furans
Analytic Method	CWA1614	Clean Water Act - Polybrominated Diphenyl Ethers
Analytic Method	CWA1668A	Clean Water Act - PCB Congeners
Analytic Method	CWA1699M	Clean Water Act - GC/MS/MS 1699M Chlorinated Pesticides
Analytic Method	D1498	DETERMINATION OF THE OXIDATION-REDUCTION POTENTIAL OF WATER
Analytic Method	D1945M	Standard Test Method for Analysis of Natural Gas by Gas Chromatography
Analytic Method	D2216	PERCENT SOLID
Analytic Method	D2487	CLASSIFICATION OF SOILS, FOR ENGINEERING PURPOSES
Analytic Method	D2974	TOTAL ORGANIC CONTENT
Analytic Method	D3590B	TKN by Autoanalyzer
Analytic Method	D4129	TOC
Analytic Method	D422	GRAIN SIZE
Analytic Method	D422M	Grain Size, Modified
Analytic Method	D4282	Cyanide
Analytic Method	D4318	Liquid Limit, Plastic Limit, and Plasticity Index of Soils
Analytic Method	D4972A	SOIL PH, PH METER METHOD
Analytic Method	D854	SPECIFIC GRAVITY OF SOILS
Analytic Method	E100.1	Asbestos in Water by TEM
Analytic Method	E100.2	Asbestos in Water by TEM
Analytic Method	E110.1	COLOR (COLORIMETRIC, ADMI)
Analytic Method	E110.2	COLOR (COLORIMETRIC-PLATINUM-COBALT)
Analytic Method	E110.3	COLOR (SPECTROPHOTOMETRIC)
Analytic Method	E1109	Bulk Density
Analytic Method	E120.1	SPECIFIC CONDUCTANCE
Analytic Method	E130.1	HARDNESS, TOTAL (COLORIMETRIC, AUTOMATED EDTA)
Analytic Method	E130.2	HARDNESS, TOTAL (TITRIMETRIC)
Analytic Method	E140.1	ODOR (THRESHOLD ODOR, CONSISTENT SERIES)
Analytic Method	E150.1	PH, ELECTROMETRIC
Analytic Method	E150.2	pH in Water
Analytic Method	E160.1	RESIDUE, FILTERABLE (TDS)
Analytic Method	E160.2	RESIDUE, NON-FILTERABLE
Analytic Method	E160.3	RESIDUE, TOTAL (GRAVIMETRIC, DRIED AT 103-105 DEGREE CELSIUS)

## Reference Values

Column(s) Used	Reference ID	Reference Description
Analytic Method	E160.3M	RESIDUE, TOTAL (GRAVIMETRIC, DRIED AT 103-105 DEGREE CELSIUS)
Analytic Method	E160.4	RESIDUE, VOLATILE (GRAVIMETRIC, IGNITION AT 550 DEGREE CELSIUS)
Analytic Method	E160.4M	RESIDUE, VOLATILE (GRAVIMETRIC, IGNITION AT 550 DEGREE CELSIUS), Modified
Analytic Method	E160.5	Determination Settleable Matter in Water Using an Imhoff Cone
Analytic Method	E1613	Dioxins and Furans by HRGC/HRMS
Analytic Method	E1613_CALC(PDI 2018)	E1613_CALC(PDI 2018)
Analytic Method	E1613B	Dioxins and Furans by HRGC/HRMS
Analytic Method	E1614	E1614
Analytic Method	E1624	Volatile Organic Compounds By Isotope Dilution GC/MS
Analytic Method	E1625	Semivolatile Organic Compounds By Isotope Dilution GC/MS
Analytic Method	E1630	Methyl Mercury in Water by Distillation, Aqueous Ethylation, Purge and Trap, and CVAFS
Analytic Method	E1631	Mercury in Water Using CVAFS
Analytic Method	E1631B	Mercury in Water Using CVAFS
Analytic Method	E1631M	Mercury in Water Using CVAFS
Analytic Method	E1632	Arsenic
Analytic Method	E1636	Hexavalent Chromium by Ion Chromatography
Analytic Method	E1664	Oil and Grease and Non-polar Material Using Solvent Extraction and Gravimetry
Analytic Method	E1664A	Oil and Grease and Non-polar Material Using Solvent Extraction and Gravimetry
Analytic Method	E1668	Chlorinated Biphenyls by HRGC/HRMS
Analytic Method	E1668_CALC(PDI 2018)	E1668_CALC(PDI 2018)
Analytic Method	E1668A	Chlorinated Biphenyls by HRGC/HRMS
Analytic Method	E1668C	Chlorinated Biphenyls by HRGC/HRMS
Analytic Method	E1699M	Pesticides
Analytic Method	E170.1	TEMPERATURE
Analytic Method	E180.1	TURBIDITY (NEPHELOMETRIC)
Analytic Method	E200.1	Trace Elements in Marine Waters by ICPMS
Analytic Method	E200.12	Trace Elements in Marine Waters by GFAA
Analytic Method	E200.13	Trace Elements by GFAA (w/ Preconcentration)
Analytic Method	E200.2	Sample preparation procedure for spectrochemical determination of total recoverable elements
Analytic Method	E200.5	Trace elements in water by AVICP-AES
Analytic Method	E200.7	INDUCTIVELY COUPLED PLASMA (ICP) METALS SCREEN
Analytic Method	E200.8	DETERMINATION OF TRACE ELEMENTS IN WATER BY ICP/MS
Analytic Method	E200.9	Trace Elements in Water by GFAA
Analytic Method	E202.1	Aluminum by Flame AA
Analytic Method	E202.2	Aluminum by Graphite Furnace AA
Analytic Method	E204.1	Antimony by Flame AA
Analytic Method	E204.2	Antimony by Graphite Furnace AA
Analytic Method	E206.2	Arsenic by Graphite Furnace AA
Analytic Method	E206.3	ARSENIC (AA, HYDRIDE)
Analytic Method	E206.4	Arsenic by Spectrophotometry
Analytic Method	E206.5	Sample Digestion for Arsenic
Analytic Method	E208.1	Barium by Flame AA
Analytic Method	E208.2	Barium by Graphite Furnace AA
Analytic Method	E210.1	Beryllium by Flame AA
Analytic Method	E210.2	Beryllium by Graphite Furnace AA
Analytic Method	E212.3	Boron by Colorimetry
Analytic Method	E213.1	Cadmium by Flame AA

## Reference Values

Column(s) Used	Reference ID	Reference Description
Analytic Method	E213.2	Cadmium by GFAA
Analytic Method	E215.1	Calcium by Flame AA
Analytic Method	E215.2	Calcium by Titrimetry
Analytic Method	E218.1	Chromium by Flame AA
Analytic Method	E218.2	Chromium by Graphite Furnace AA
Analytic Method	E218.3	Chromium by Chelation Extraction and Flame AA
Analytic Method	E218.4	CHROMIUM HEXAVALENT (AA, CHELATION-EXTRACTION)
Analytic Method	E218.6	HEXAVALENT CHROMIUM BY EPA METHOD
Analytic Method	E219.1	Cobalt by Flame AA
Analytic Method	E219.2	Cobalt by Graphite Furnace AA
Analytic Method	E220.1	Copper by Flame AA
Analytic Method	E220.2	Copper by Graphite Furnace AA
Analytic Method	E231.1	Gold by Flame AA
Analytic Method	E231.2	Gold by Graphite Furnace AA
Analytic Method	E235.1	Iridium by Flame AA
Analytic Method	E235.2	Iridium by Graphite Furnace AA
Analytic Method	E236.1	Iron by Flame AA
Analytic Method	E236.2	Iron by Graphite Furnace AA
Analytic Method	E239.1	Lead by Flame AA
Analytic Method	E239.2	Lead by Graphite Furnace AA
Analytic Method	E242.1	Magnesium by Flame AA
Analytic Method	E243.1	Manganese by Flame AA
Analytic Method	E243.2	Manganese by Graphite Furnace AA
Analytic Method	E245.1	MERCURY (COLD VAPOR, MANUAL)
Analytic Method	E245.2	MERCURY (COLD VAPOR, AUTOMATED)
Analytic Method	E245.5	MERCURY (COLD VAPOR, SEDIMENTS)
Analytic Method	E245.6	Mercury
Analytic Method	E245.7	Mercury in water by cold-vapor atomic fluorescence spectrometry
Analytic Method	E246.1	Molybdenum by Flame AA
Analytic Method	E246.2	Molybdenum by Graphite Furnace AA
Analytic Method	E249.1	Nickel by Flame AA
Analytic Method	E249.2	Nickel by Graphite Furnace AA
Analytic Method	E252.1	Osmium by Flame AA
Analytic Method	E252.2	Osmium by Graphite Furnace AA
Analytic Method	E253.1	Palladium by Flame AA
Analytic Method	E253.2	Palladium by Graphite Furnace AA
Analytic Method	E255.1	Platinum by Flame AA
Analytic Method	E255.2	Platinum by Graphite Furnace AA
Analytic Method	E258.1	Potassium by Flame AA
Analytic Method	E265.1	Rhodium by Flame AA
Analytic Method	E265.2	Rhodium by Graphite Furnace AA
Analytic Method	E267.1	Ruthenium by Flame AA
Analytic Method	E267.2	Ruthenium by Graphite Furnace AA
Analytic Method	E270.2	Selenium by Graphite Furnace AA
Analytic Method	E270.3	SELENIUM (AA, HYDRIDE)
Analytic Method	E272.1	Silver by Flame AA
Analytic Method	E272.2	Silver by Graphite Furnace AA
Analytic Method	E273.1	Sodium by Flame AA
Analytic Method	E279.1	Thallium by Flame AA
Analytic Method	E279.2	Thallium by GF-AA
Analytic Method	E282.1	Tin by Flame AA

## Reference Values

Column(s) Used	Reference ID	Reference Description
Analytic Method	E282.2	Tin by Graphite Furnace AA
Analytic Method	E283.1	Titanium by Flame AA
Analytic Method	E283.2	Titanium by Graphite Furnace AA
Analytic Method	E286.1	Vanadium by Flame AA
Analytic Method	E286.2	Vanadium by Graphite Furnace AA
Analytic Method	E289.1	Zinc by Flame AA
Analytic Method	E289.2	ZINC (AA, FURNACE)
Analytic Method	E300	Inorganic Anions by Ion Chromatoqraphy
Analytic Method	E300.0	DETERMINATION OF INORGANIC ANIONS IN WATER BY ION CHROMATOGRAPHY
Analytic Method	E300.0M	SW8081A
Analytic Method	E305.1	ACIDITY (TITRIMETRIC)
Analytic Method	E310.1	ALKALINITY (TITRIMETRIC)
Analytic Method	E310.2	ALKALINITY COLORIMETRIC, METHYL
Analytic Method	E314.0	Perchlorate
Analytic Method	E320.1	TOTAL BROMIDE, TITRIMETRIC
Analytic Method	E321.8	Bromate by IC/ICP-MS
Analytic Method	E325.1	CHLORIDE (COLORIMETRIC, AUTOMATED FERRICYANIDE AAI)
Analytic Method	E325.2	CHLORIDE (AS CL), COLORIMETRIC AUTOMATED FERRICYANIDE, AA II
Analytic Method	E325.3	CHLORIDE (TITRIMETRIC, MERCURIC NITRATE)
Analytic Method	E330.1	Total Residual Chlorine by Titration
Analytic Method	E330.2	CHLORINE, TOTAL RESIDUAL (TITRIMETRIC, BACK, IODOMETRIC)
Analytic Method	E330.3	CHLORINE, TOTAL RESIDUAL (TITRIMETRIC, IODOMETRIC)
Analytic Method	E330.4	CHLORINE, TOTAL RESIDUAL
Analytic Method	E330.5	Total Residual Chlorine by Spectrophotometer
Analytic Method	E332	Perchlorate in drinking water by IC-ESI/MS
Analytic Method	E335.1	CYANIDES, AMENABLE TO CHLORINATION (TITRIMETRIC; SPECTROPHOTOMETRIC)
Analytic Method	E335.2	TOTAL CYANIDE
Analytic Method	E335.3	TOTAL CYANIDE (COLORIMETRIC, AUTOMATED UV)
Analytic Method	E335.4	Cyanide, total, by Colorimetry
Analytic Method	E340.1	FLUORIDE (COLORIMETRIC)
Analytic Method	E340.2	FLUORIDE, POTENTIOMETRIC, ION SELECTIVE ELECTRODE
Analytic Method	E340.3	FLUORIDE (COLORIMETRIC, AUTOMATED COMPLEXONE)
Analytic Method	E345.1	IODIDE (TITRIMETRIC)
Analytic Method	E349	Ammonia in Estuarine and Coastal Waters by Colorimetry
Analytic Method	E350.1	NITROGEN (AMMONIA - COLORIMETRIC, AUTOMATED PHENATE)
Analytic Method	E350.1M	NITROGEN (AMMONIA - COLORIMETRIC, AUTOMATED PHENATE)
Analytic Method	E350.2	NITROGEN AMMONIA
Analytic Method	E350.3	NITROGEN, AMMONIA (POTENTIOMETRIC, ION SELECTIVE ELECTRODE)
Analytic Method	E351.1	NITROGEN, KJELDAHL, TOTAL (COLORIMETRIC, AUTOMATED PHENATE)
Analytic Method	E351.2	NITROGEN, KJELDAHL, TOTAL (COLORIMETRIC, SEMI-AUTOMATED BLOCK DIGESTER
Analytic Method	E351.3	NITROGEN, KJELDAHL, TOTAL (COLORIMETRIC; TITRIMETRIC; POTENTIOMETRIC)
Analytic Method	E351.4	NITROGEN, KJELDAHL, TOTAL (POTENTIOMETRIC, ION SEL ELECTRODE)
Analytic Method	E352.1	NITROGEN (NITRATE - COLORIMETRIC BRUCINE)
Analytic Method	E353.1	NITROGEN, NITRATE-NITRITE (COLORIMETRIC AUTOMATED, HYDRAZINE REDUCTION
Analytic Method	E353.2	NITROGEN, NITRATE-NITRITE (COLORIMETRIC AUTOMATED, CADMIUM REDUCTION)
Analytic Method	E353.2M	NITROGEN, NITRATE-NITRITE (COLORIMETRIC AUTOMATED, CADMIUM REDUCTION)
Analytic Method	E353.3	NITROGEN, NITRATE-NITRITE

## Reference Values

Column(s) Used	Reference ID	Reference Description
Analytic Method	E353.4	Nitrate and Nitrite in Estuarine and Coastal Waters by Automated Colorimetry
Analytic Method	E354.1	NITROGEN, NITRITE (SPECTROPHOTOMETRIC)
Analytic Method	E360.1	OXYGEN, DISSOLVED (MEMBRANE ELECTRODE)
Analytic Method	E360.2	Dissolved Oxygen Using a Modified Winkler Method
Analytic Method	E365.1	PHOSPHORUS, ALL FORMS (COLORIMETRIC, AUTOMATED, ASCORBIC ACID)
Analytic Method	E365.2	PHOSPHORUS, ALL FORMS (AS P)
Analytic Method	E365.3	PHOSPHORUS, ALL FORMS (COLORIMETRIC, ASCORBIC ACID, TWO REAGENT)
Analytic Method	E365.4	PHOSPHORUS, TOTAL (COLORIMETRIC, AUTOMATED BLOCK DIGESTOR AA II)
Analytic Method	E365.5	Orthophosphate in Estuarine and Coastal Waters by Colorimetry
Analytic Method	E366	Silicate by Colorimetry
Analytic Method	E370.1	SILICA, DISSOLVED (COLORIMETRIC)
Analytic Method	E375.1	SULFATE, COLORIMETRIC, AUTOMATED CHLORANILATE
Analytic Method	E375.2	SULFATE, COLORIMETRIC, AUTOMATED METHYLTHYMOL BLUE, AA II
Analytic Method	E375.3	SULFATE (AS SO4), GRAVIMETRIC
Analytic Method	E375.4	SULFATE (AS SO4), TURBIDIMETRIC
Analytic Method	E376.1	SULFIDE, TITRIMETRIC, IODINE
Analytic Method	E376.2	SULFIDE (COLORIMETRIC, METHYLENE BLUE)
Analytic Method	E377.1	SULFITE (TITRIMETRIC)
Analytic Method	E405.1	BIOCHEMICAL OXYGEN DEMAND
Analytic Method	E410.1	CHEMICAL OXYGEN DEMAND
Analytic Method	E410.2	CHEMICAL OXYGEN DEMAND
Analytic Method	E410.3	COD (TITRIMETRIC, HIGH LEVEL FOR SALINE WATERS)
Analytic Method	E410.4	CHEMICAL OXYGEN DEMAND (COLORIMETRIC, AUTOMATED MANUAL)
Analytic Method	E413.1	OIL AND GREASE, TOTAL RECOVERABLE (GRAVIMETRIC)
Analytic Method	E413.2	OIL AND GREASE, TOTAL RECOVERABLE (SPECTROPHOTOMETRIC IR)
Analytic Method	E415.1	TOTAL ORGANIC CARBON (COMBUSTION OR OXIDATION)
Analytic Method	E415.2	TOTAL ORGANIC CARBON (UV PROMOTED, PERSULFATE OXIDATION)
Analytic Method	E415.3	Dissolved and Total Organic Carbon and UV Absorbance at 254 nm in Source Water and Drinking Water
Analytic Method	E418.1	PETROLEUM HYDROCARBONS, TOTAL RECOVERABLE (SPECTROPHOTO IR)
Analytic Method	E420.1	PHENOLICS, TOTAL RECOVERABLE (SPECTROPHOTOMETRIC, MANUAL)
Analytic Method	E420.2	PHENOLICS (COLORIMETRIC, AUTOMATED 4-AAP WITH DISTILLATION)
Analytic Method	E420.3	PHENOLICS, TOTAL RECOVERABLE (SPECTROPHOTOMETRIC, MAN. 4-AAP)
Analytic Method	E420.4	Total recoverable phenolics in water by semi-automated colorimetry
Analytic Method	E425.1	METHYLENE BLUE ACTIVE SUBSTANCES (MBAS)
Analytic Method	E430.2	NTA (COLORIMETRIC, AUTOMATED, ZINC-ZINCON)
Analytic Method	E440	Elemental C and N by Combustion and Thermal Conductivity
Analytic Method	E445	Chlorophyll and Pheophytin in Algae by Fluorescence
Analytic Method	E446	Chlorophylls and Pheopigments in Phytoplankton by Spectrophotometry
Analytic Method	E447	Chlorophyll a and b in phytoplankton by HPLC/UV
Analytic Method	E450.1	TOTAL ORGANIC HALIDES (TOX)
Analytic Method	E501.1	TRIHALOMETHANES
Analytic Method	E502.1	VOLATILE HALOGENATED ORGANIC COMPOUNDS
Analytic Method	E502.2	VOL ORGANIC COMPDS IN WATER BY PURGE & TRAP CAP COL GC (PHOTOIONIZATIO
Analytic Method	E503.1	VOLATILE AROMATIC AND UNSATURATED ORGANIC COMPOUNDS
Analytic Method	E504	1,2-DIBROMOETHANE AND 1,2-DIBROMO-3-CHLOROPROPANE
Analytic Method	E505	ORGANOHALIDE PESTICIDES AND AROCLORS (MICROEXTRACTION)
Analytic Method	E506	Phthalate and Adipate Esters in Water by GC/PID
Analytic Method	E507	DETERMINATION OF NITROGEN-AND PHOSPHORUS-CONTAINING PESTICIDES IN GROU

## Reference Values

Column(s) Used	Reference ID	Reference Description
Analytic Method	E508	DETERMINATION OF CHLORINATED PESTICIDES IN GROUND WATER
Analytic Method	E509	Ethylene thiourea in water using GC with a N-P detector
Analytic Method	E510.1	DETERMINATION OF THE MAXIMUM TOTAL TRIHALOMETHANE POTENTIAL
Analytic Method	E515	DETERMINATION OF CHLORINATED HERBICIDES IN DRINKING WATER
Analytic Method	E515.1	DETERMINATION OF CHLORINATED ACIDS IN WATER BY GC/ECD
Analytic Method	E515.2	Chlorinated Acids in Water by GCECD
Analytic Method	E524	MEASUREMENT OF PURGEABLE ORGANIC COMPOUNDS IN DRINKING WATER
Analytic Method	E524.1	VOLATILE ORGANIC COMPOUNDS IN WATER BY PURGE AND TRAP GC/MS
Analytic Method	E524.2	VOLATILE ORGANIC COMPOUNDS BY PURGE & TRAP CAPILLARY COLUMN GC/MS
Analytic Method	E525	ORGANICS IN WATER
Analytic Method	E525.1	DETERMINATION OF ORGANIC COMPOUNDS IN DRINKING WATER BY LIQUID-SOLID E
Analytic Method	E525.2	Organics in Water Using GCMS
Analytic Method	E528	Phenols in Water by GC/MS
Analytic Method	E531.1	DETERM. OF N-METHYLCARBAMOYLOXIMES & N-METHYLCARBAMATES IN WATER BY DI
Analytic Method	E547	DETERMIN. OF GLYPHOSATE IN DRINKING WATER BY DIRECT AQUEOUS INJECTION
Analytic Method	E548	DETERMINATION OF ENDOTHALL IN DRINKING WATER BY AQUEOUS DERIVITIZATION
Analytic Method	E548.1	DETERMINATION OF ENDOTHALL IN DRINKING WATER BY ION EXCHANGE EXTRACTIO
Analytic Method	E549	DETERMINATION OF DIQUAT AND PARAQUAT IN DRINKING WATER BY LIQUID-SOLID
Analytic Method	E549.1	DETERMINATION OF DIQUAT & PARAQUAT IN DRINKING WATER LIQUID-SOLID EXTR
Analytic Method	E549.2	Diquat and Paraquat in Water Using HPLC/UV
Analytic Method	E550	PAHs in Water Using HPLC/UV/FL
Analytic Method	E550.1	PAHs in Water Using HPLC/UV/FL
Analytic Method	E552.1	Haloacetic Acids and Dalapon in Water Using GCECD
Analytic Method	E555	Chlorinated Acids in Water Using HPLC/UV
Analytic Method	E601	PURGEABLE HALOCARBONS
Analytic Method	E602	PURGEABLE AROMATICS
Analytic Method	E603	ACROLEIN AND ACRYLONITRILE
Analytic Method	E604	PHENOLS
Analytic Method	E605	BENZIDINES
Analytic Method	E606	PHTHALATE ESTERS
Analytic Method	E607	NITROSAMINES
Analytic Method	E608	ORGANOCHLORINE PESTICIDES AND PCBs
Analytic Method	E609	NITROAROMATICS AND ISOPHORONE
Analytic Method	E610	POLYNUCLEAR AROMATIC HYDROCARBONS
Analytic Method	E611	HALOETHERS
Analytic Method	E612	CHLORINATED HYDROCARBONS
Analytic Method	E613	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN
Analytic Method	E614	DETERMINATION OF ORGANOPHOSPHORUS PESTICIDES IN WASTEWATER
Analytic Method	E615	CHLORINATED HERBICIDES IN INDUSTRIAL & MUNICIPAL WASTEWATER
Analytic Method	E617	DETERMINATION OF CARBOPHENOTHION IN WASTEWATER
Analytic Method	E619	DETERMINATION OF TRIAZINE PESTICIDES IN WASTEWATER
Analytic Method	E624	VOLATILE ORGANICS GC/MS
Analytic Method	E625	EXTRACTABLE PRIORITY POLLUTANTS (BASE/NEUTRAL AND ACID)
Analytic Method	E632	DETERMINATION OF CARBAMATE AND UREA PESTICIDES IN WASTEWATER
Analytic Method	E900	Gross Alpha and Beta Activity in Water

## Reference Values

Column(s) Used	Reference ID	Reference Description
Analytic Method	E901.1	Gamma Radionuclides Screening
Analytic Method	E903	Alpha-Emitting Radium Isotopes in Drinking Water
Analytic Method	E903.1	Radium-226 in Drinking Water
Analytic Method	E908	Uranium in Drinking Water
Analytic Method	EPA/600R-93/116	Asbestos
Analytic Method	EPH	Extractable Petroleum Hydrocarbons
Analytic Method	Field Measure	Field Measure (includes historical YSI data)
Analytic Method	Field-YSI Meter	Field-YSI Meter
Analytic Method	qammact	Gamma Radionuclides Count
Analytic Method	GCECD	PCBs
Analytic Method	GCFPD	Butyltins
Analytic Method	GCHRMS	Dioxins/Furans
Analytic Method	GCMS	PAHs and Tributyltin
Analytic Method	GSISUM 2,4-DDX	Geosyntec Calculated Values
Analytic Method	GSISUM 4,4-DDX	Geosyntec Calculated Values
Analytic Method	GSISUM__CHLORDANE	Geosyntec Calculated Values
Analytic Method	GSISUM CPAH	Geosyntec Calculated Values
Analytic Method	GSISUM DDD	Geosyntec Calculated Values
Analytic Method	GSISUM DDE	Geosyntec Calculated Values
Analytic Method	GSISUM DDT	Geosyntec Calculated Values
Analytic Method	GSISUM DDX	Geosyntec Calculated Values
Analytic Method	GSISUM__ENDOSULFAN	Geosyntec Calculated Values
Analytic Method	GSISUM HPAH	Geosyntec Calculated Values
Analytic Method	GSISUM LPAH	Geosyntec Calculated Values
Analytic Method	GSISUM PAH	Geosyntec Calculated Values
Analytic Method	GSISUM CONGENERS	Geosyntec Calculated Values
Analytic Method	GSISUM DF TEQMAM	Geosyntec Calculated Values
Analytic Method	GSISUM FS	Calculated Values
Analytic Method	GSISUM PCDDF	Geosyntec Calculated Values
Analytic Method	HASL300	DOE EML HASL 300
Analytic Method	HI991300	Temperature, pH, Conductivity
Analytic Method	ILM05.4	Metals
Analytic Method	KRONE	Krone
Analytic Method	KRONEPW	Krone, Porewater
Analytic Method	Lamotte2020e	Turbidity
Analytic Method	MLA021CALC(PDI 2018)	AXYS MLA-021_CALC (PDI 2018)
Analytic Method	MLA028CALC(PDI 2018)	AXYS MLA-028_CALC (PDI 2018)
Analytic Method	MOISTURE-BU	MOISTURE-BU
Analytic Method	NCASOP	National Coastal Assessment SOP
Analytic Method	NOAA	National Ocean and Atmospheric Administration
Analytic Method	NOAA130	Butyltins
Analytic Method	NWRC-M-O-R-B-v4	PBDE - polybrominated diphenyl ethers
Analytic Method	NWTPH-Dx	Northwest TPH - Diesel Range Organics
Analytic Method	NWTPH-Gx	Gasoline by Northwest Total Petroleum Hydrocarbons method
Analytic Method	NWTPH-HCID	Hydrocarbon Identification by Northwest Total Petroleum Hydrocarbons method
Analytic Method	OCPEST-1699-HRMS-BU	OC Pesticides

## Reference Values

Column(s) Used	Reference ID	Reference Description
Analytic Method	ORHCID	Hydrocarbon Identification, Oregon DEQ
Analytic Method	ORTPHD	Total Petroleum Hydrocarbons - Diesel, Oregon DEQ
Analytic Method	PLUMB	Conventionals (Ammonia, TOC)
Analytic Method	PSEP	Puget Sound Estuary Protocols
Analytic Method	SM2320B	Alkalinity by Titration
Analytic Method	SM2340B	Hardness
Analytic Method	SM2340C	Hardness, Total as CaCO <sub>3</sub> by EDTA Titration
Analytic Method	SM2540B	Total Solids Dried at 103-105C
Analytic Method	SM2540C	Total Dissolved Solids Dried at 180C
Analytic Method	SM2540D	Total Suspended Solids Dried at 103-105C
Analytic Method	SM2540F	Settleable Solids
Analytic Method	SM2540G	Total, Fixed, and Volatile Solids in Solid and Semisolid Samples
Analytic Method	SM2580B	SM2580B
Analytic Method	SM2710F	SM2710F
Analytic Method	SM3111B	Metals by Flame Atomic Absorption
Analytic Method	SM4500	SM4500
Analytic Method	SM4500-B-B	Boron by Curcumin Method
Analytic Method	SM4500-CI-B	Chloride by Argentometric Method
Analytic Method	SM4500-CI-C	Chloride by Mercuric Nitrate Method
Analytic Method	SM4500-CI-D	Chlorine by Amperometry
Analytic Method	SM4500-CI-E	Chloride by Automated Ferricyanide Method
Analytic Method	SM4500-CI-G	Chlorine by DPD
Analytic Method	SM4500-CI-H	Chlorine by Syringaldazine
Analytic Method	SM4500-CI-I	Chlorine by Iodometric Electrode
Analytic Method	SM4500-CIO2-C	Chlorine Dioxide by Amperometry
Analytic Method	SM4500-CIO2-E	Chlorine by Amperometry
Analytic Method	SM4500-CN-B	Cyanide: Preliminary Treatment of samples
Analytic Method	SM4500-CN-D	Cyanide by Titration
Analytic Method	SM4500-CN-E	Colorimetric Method for Cyanide in Distillate
Analytic Method	SM4500-CN-F	Cyanide in Water by Ion Selective Electrode
Analytic Method	SM4500-CN-G	Cyanides Amenable to Chlorination
Analytic Method	SM4500-F-C	Ion-Selective Electrode Method
Analytic Method	SM4500-F-D	Fluoride in Water by Spectroscopy
Analytic Method	SM4500-F-E	Fluoride by Complexone
Analytic Method	SM4500-H+B	pH in Water by Potentiometry
Analytic Method	SM4500-KMnO4	Potassium Permanganate in Water by Spectrophotometry
Analytic Method	SM4500-N(Orq)-B	Nitrogen, organic, in Water by Macro-Kjeldahl
Analytic Method	SM4500-N(Orq)-C	Organic Nitrogen/Semi-Micro-Kjeldahl
Analytic Method	SM4500-NH3-B	Ammonia: Preliminary Distillation Step
Analytic Method	SM4500-NH3-BH	Nitrogen (ammonia) using Standard Methods for the Examination of Water and Wastewater
Analytic Method	SM4500-NH3 C	Ammonia by Titration
Analytic Method	SM4500-NH3 D	Ammonia by Selective Electrode
Analytic Method	SM4500-NH3 E	Ammonia by Selective Electrode Methods Using Known Addition
Analytic Method	SM4500-NH3 G	Ammonia by Automated Phenate
Analytic Method	SM4500-NO2-B	Nitrite by Colorimetry
Analytic Method	SM4500-NO3-D	Nitrate Electrode Method
Analytic Method	SM4500-NO3-E	Nitrate in Water After Cadmium Reduction
Analytic Method	SM4500-NO3-F	Nitrate by Automated Cadmium Reduction Method
Analytic Method	SM4500-NO3-H	Nitrate by Automated Hydrazine Reduction
Analytic Method	SM4500-O-C	Oxygen by Azide Modification



## Reference Values

Column(s) Used	Reference ID	Reference Description
Analytic Method	SM4500-O3-B	Ozone by Indigo Colorimetric Method
Analytic Method	SM4500-P-E	Phosphorus by Ascorbic Acid
Analytic Method	SM4500-P-F	Phosphorus by Automated Ascorbic Acid Reduction
Analytic Method	SM4500-S2-AD	Sulfide using Standard Methods for the Examination of Water and Wastewater
Analytic Method	SM4500-S2-D	Sulfide by Methylene Blue
Analytic Method	SM4500-S2-F	Sulfide by Iodometry
Analytic Method	SM4500-S2-G	Sulfide by Ion-Selective Electrode
Analytic Method	SM4500-SiO2-C	Silica by Molybdosilicate Method
Analytic Method	SM4500-SiO2-D	Silica by Heteropoly Blue Method
Analytic Method	SM4500-SiO2-E	Silica, Automated Method for Molybdate-Reactive Silica
Analytic Method	SM4500-SiO2-F	Silicate, Flow Injection Analysis for Molybdate-Reactive Silicate
Analytic Method	SM4500-SO32-B	Sulfite by Iodometry
Analytic Method	SM4500-SO42-C	Sulfate by Gravimetric Analysis with Ignition of Residue
Analytic Method	SM5310B	Total organic carbon by High-Temperature Combustion
Analytic Method	SM5310C	Total organic carbon by Persulfate-UV or Heated-Persulfate Oxidation
Analytic Method	SM5310D	TOC by Wet Oxidation
Analytic Method	SOM01.2	Organic Chemical Analysis, Various (VOCs, SVOCs, Pesticides, PCBs)
Analytic Method	SOP 01-002	Mercury
Analytic Method	SOP 02-001	EPA PBDEs in Osprey Eggs
Analytic Method	SW1010A	Test Methods for Flash Point by Pensky-Martens Closed Cup Tester
Analytic Method	SW1020B	Standard Test Methods for Flash Point by Setaflash (Small Scale) Closed-cup Apparatus
Analytic Method	SW1030	Ignitability of Solids
Analytic Method	SW1040	Test Method for Oxidizing Solids
Analytic Method	SW1050	Test Methods to Determine Substances Likely to Spontaneously Combust
Analytic Method	SW1110A	Corrosivity Toward Steel
Analytic Method	SW1120	Dermal Corrosion
Analytic Method	SW1699	EPA GC/MS/MS 1699 Chlorinated Pesticides
Analytic Method	SW4000	Immunoassay
Analytic Method	SW4010A	Screening for Pentachlorophenol by Immunoassay
Analytic Method	SW4015	Screening for 2,4-Dichlorophenoxyacetic Acid by Immunoassay
Analytic Method	SW4020	Screening for Polychlorinated Biphenyls by Immunoassay
Analytic Method	SW4030	Soil Screening for Petroleum Hydrocarbons by Immunoassay
Analytic Method	SW4035	Soil Screening for Polynuclear Aromatic Hydrocarbons by Immunoassay
Analytic Method	SW4040	Soil Screening for Toxaphene by Immunoassay
Analytic Method	SW4041	Soil Screening for Chlordane by Immunoassay
Analytic Method	SW4042	Soil Screening for DDT by Immunoassay
Analytic Method	SW4050	TNT Explosives in Soil by Immunoassay
Analytic Method	SW4051	Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX) in Soil by Immunoassay
Analytic Method	SW4425	Screening Extracts of Environmental Samples for Planar Organic Compounds (PAHs, PCBs, PCDDs/PCDFs) by a Reporter Gene on a Human Cell Line
Analytic Method	SW4670	Triazine Herbicides as Atrazine in Water by Quantitative Immunoassay
Analytic Method	SW6010	Inductively Coupled Plasma-Atomic Emission Spectrometry
Analytic Method	SW6010A	Inductively Coupled Plasma-Atomic Emission Spectrometry
Analytic Method	SW6010B	Inductively Coupled Plasma-Atomic Emission Spectrometry
Analytic Method	SW6010C	Inductively Coupled Plasma-Atomic Emission Spectrometry
Analytic Method	SW6010D	Inductively Coupled Plasma-Atomic Emission Spectrometry
Analytic Method	SW6020	Inductively Coupled Plasma-Mass Spectrometry
Analytic Method	SW6020A	Inductively Coupled Plasma-Mass Spectrometry
Analytic Method	SW6020B	Inductively Coupled Plasma-Mass Spectrometry
Analytic Method	SW6020B-LL	Metals by SW 6020B, Low Level

## Reference Values

Column(s) Used	Reference ID	Reference Description
Analytic Method	SW6200	Field Portable X-Ray Fluorescence Spectrometry for the Determination of Elemental Concentrations in Soil and Sediment
Analytic Method	SW6500	Dissolved Inorganic Anions in Aqueous Matrices by Capillary Ion Electrophoresis
Analytic Method	SW6800	Elemental and Speciated Isotope Dilution Mass Spectrometry
Analytic Method	SW7000B	Flame Atomic Absorption Spectrophotometry
Analytic Method	SW7010	Graphite Furnace Atomic Absorption Spectrophotometry
Analytic Method	SW7041	Antimony
Analytic Method	SW7060	Arsenic
Analytic Method	SW7060A	Arsenic
Analytic Method	SW7061A	Arsenic (Atomic Absorption, Gaseous Hydride)
Analytic Method	SW7062	Antimony and Arsenic (Atomic Absorption, Borohydride Reduction)
Analytic Method	SW7063	Arsenic in Aqueous Samples and Extracts by Anodic Stripping Voltammetry (ASV)
Analytic Method	SW7131A	Cadmium
Analytic Method	SW7191	Chromium hexavalent
Analytic Method	SW7195	Chromium, Hexavalent (Coprecipitation)
Analytic Method	SW7196A	Chromium, Hexavalent (Colorimetric)
Analytic Method	SW7197	Chromium, Hexavalent (Chelation/Extraction)
Analytic Method	SW7198	Chromium, Hexavalent (Differential Pulse Polarography)
Analytic Method	SW7199	Determination of Hexavalent Chromium in Drinking Water, Groundwater and Industrial Wastewater Effluents by Ion Chromatography
Analytic Method	SW7421	Lead
Analytic Method	SW7470	Mercury
Analytic Method	SW7470A	Mercury in Liquid Waste (Manual Cold-Vapor Technique)
Analytic Method	SW7471	Mercury
Analytic Method	SW7471A	Mercury in Solid or Semisolid Waste
Analytic Method	SW7471B	Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Technique)
Analytic Method	SW7472	Mercury in Aqueous Samples and Extracts by Anodic Stripping Voltammetry (ASV)
Analytic Method	SW7473	Mercury in Solids and Solutions by Thermal Decomposition, Amalgamation, and Atomic Absorption Spectrophotometry
Analytic Method	SW7474	Mercury in Sediment and Tissue Samples by Atomic Fluorescence Spectrometry
Analytic Method	SW7580	White Phosphorus (P4) by Solvent Extraction and Gas Chromatography
Analytic Method	SW7740	Selenium
Analytic Method	SW7741A	Selenium (Atomic Absorption, Gaseous Hydride)
Analytic Method	SW7742	Selenium (Atomic Absorption, Borohydride Reduction)
Analytic Method	SW7761	Silver
Analytic Method	SW7841	Thallium
Analytic Method	SW8000D	Determinative Chromatographic Separations
Analytic Method	SW8011	1,2-Dibromoethane and 1,2-Dibromo-3-chloropropane by Microextraction and Gas Chromatography
Analytic Method	SW8015	TPH-Nonhalogenated Organics by Gas Chromatography
Analytic Method	SW8015B	TPH-Nonhalogenated Organics by Gas Chromatography
Analytic Method	SW8015D	Nonhalogenated Organics by Gas Chromatography
Analytic Method	SW8020A	Aromatic and Halogenated Volatiles by Gas Chromatography Using Photoionization and/or Electrolytic Conductivity Detectors
Analytic Method	SW8021	Aromatic and Halogenated Volatiles by Gas Chromatography Using Photoionization and/or Electrolytic Conductivity Detectors
Analytic Method	SW8021B	Aromatic and Halogenated Volatiles by Gas Chromatography Using Photoionization and/or Electrolytic Conductivity Detectors
Analytic Method	SW8031	Acrylonitrile by Gas Chromatography
Analytic Method	SW8032A	Acrylamide by Gas Chromatography
Analytic Method	SW8033	Acetonitrile by Gas Chromatography with Nitrogen-Phosphorus Detector

## Reference Values

Column(s) Used	Reference ID	Reference Description
Analytic Method	SW8041	Phenols by Gas Chromatography
Analytic Method	SW8041A	Phenols by Gas Chromatography
Analytic Method	SW8061A	Phthalate Esters by Gas Chromatography with Electron Capture Detection (GC/ECD)
Analytic Method	SW8070A	Nitrosamines by Gas Chromatography
Analytic Method	SW8080	Organochlorine Pesticides by Gas Chromatography
Analytic Method	SW8080A	Organochlorine Pesticides by Gas Chromatography
Analytic Method	SW8081	Organochlorine Pesticides by Gas Chromatography
Analytic Method	SW8081A	Organochlorine Pesticides by Gas Chromatography
Analytic Method	SW8081B	Organochlorine Pesticides by Gas Chromatography
Analytic Method	SW8082	Polychlorinated Biphenyls (PCBs) by Gas Chromatography
Analytic Method	SW8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography
Analytic Method	SW8085	Compound-independent Elemental Quantitation of Pesticides by Gas Chromatography with Atomic Emission Detection (GC/AED)
Analytic Method	SW8091	Nitroaromatics and Cyclic Ketones by Gas Chromatography
Analytic Method	SW8095	Explosives by Gas Chromatography
Analytic Method	SW8100	Polynuclear Aromatic Hydrocarbons
Analytic Method	SW8111	Haloethers by Gas Chromatography
Analytic Method	SW8121	Chlorinated Hydrocarbons by Gas Chromatography: Capillary Column Technique
Analytic Method	SW8131	Aniline and Selected Derivatives by Gas Chromatography
Analytic Method	SW8141A	Organophosphorus Compounds by Gas Chromatography
Analytic Method	SW8141B	Organophosphorus Compounds by Gas Chromatography
Analytic Method	SW8151	Chlorinated Herbicides by GC Using Methylation or Pentafluorobenzoylation Derivatization
Analytic Method	SW8151A	Chlorinated Herbicides by GC Using Methylation or Pentafluorobenzoylation Derivatization
Analytic Method	SW8151M	Chlorinated Herbicides by GC Using Methylation or Pentafluorobenzoylation Derivatization
Analytic Method	SW8240	Volatile Organic Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)
Analytic Method	SW8260	Volatile Organic Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)
Analytic Method	SW8260-SIM	Volatile Organic Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)-SIM
Analytic Method	SW8260B	Volatile Organic Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)
Analytic Method	SW8260C	Volatile Organic Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)
Analytic Method	SW8261A	Volatile Organic Compounds by Vacuum Distillation in Combination with Gas Chromatography/Mass Spectrometry (VD/GC/MS)
Analytic Method	SW8270	Semivolatile Organic Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)
Analytic Method	SW8270 TBT	Semivolatile Organic Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)-Tributyltin
Analytic Method	SW8270-LL	Semivolatile Organic Compounds by Gas Chromatography/Mass Spectrometry (GC/MS) - Low Level
Analytic Method	SW8270-SIM	SW8270-SIM
Analytic Method	SW8270B	Semivolatile Organic Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)
Analytic Method	SW8270C	Semivolatile Organic Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)
Analytic Method	SW8270CSIM	SVOCs
Analytic Method	SW8270D	Semivolatile Organic Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)
Analytic Method	SW8270DSIM	Semivolatile Organic Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)
Analytic Method	SW8270M	Semivolatile Organic Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)
Analytic Method	SW8270M-SIM	Semivolatile Organic Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)
Analytic Method	SW8275A	Semivolatile Organic Compounds (PAHs and PCBs) in Soils/Sludges and Solid Wastes Using Thermal Extraction/Gas Chromatography/Mass Spectrometry (TE/GC/MS)
Analytic Method	SW8276	Toxaphene and Toxaphene Congeners by Gas Chromatography/Negative Ion Chemical Ionization Mass Spectrometry (GC-NICI/MS)
Analytic Method	SW8280B	Polychlorinated Dibenzo-p-Dioxins (PCDDs) and Polychlorinated Dibenzofurans (PCDFs) by High Resolution Gas Chromatography/Low Resolution Mass Spectrometry (HRGC/LRMS)

## Reference Values

Column(s) Used	Reference ID	Reference Description
Analytic Method	SW8290	Polychlorinated Dibenzodioxins (PCDDs) and Polychlorinated Dibenzofurans (PCDFs) by High-Resolution Gas Chromatography/High-Resolution Mass Spectrometry (HRGC/HRMS)
Analytic Method	SW8290A	Polychlorinated Dibenzodioxins (PCDDs) and Polychlorinated Dibenzofurans (PCDFs) by High-Resolution Gas Chromatography/High-Resolution Mass Spectrometry (HRGC/HRMS)
Analytic Method	SW8310	Polynuclear Aromatic Hydrocarbons
Analytic Method	SW8315A	Determination of Carbonyl Compounds by High Performance Liquid Chromatography (HPLC)
Analytic Method	SW8316	Acrylamide, Acrylonitrile and Acrolein by High Performance Liquid Chromatography (HPLC)
Analytic Method	SW8318A	N-Methylcarbamates by High Performance Liquid Chromatography (HPLC)
Analytic Method	SW8321B	Solvent-Extractable Nonvolatile Compounds by High-Performance Liquid Chromatography/Thermospray/Mass Spectrometry(HPLC/TS/MS) or Ultraviolet (UV) Detection
Analytic Method	SW8325	Solvent Extractable Nonvolatile Compounds by High Performance Liquid Chromatography/Particle Beam/Mass Spectrometry (HPLC/PB/MS)
Analytic Method	SW8330B	Nitroaromatics and Nitramines by High Performance Liquid Chromatography (HPLC)
Analytic Method	SW8331	Tetrazene by Reverse Phase High Performance Liquid Chromatography (HPLC)
Analytic Method	SW8332	Nitroglycerine by High Performance Liquid Chromatography
Analytic Method	SW8410	Gas Chromatography/Fourier Transform Infrared (GC/FT-IR) Spectrometry for Semivolatile Organics: Capillary Column
Analytic Method	SW8430	Analysis of Bis(2-chloroethyl) Ether and Hydrolysis Products by Direct Aqueous Injection GC/FT-IR
Analytic Method	SW8440	Total Recoverable Petroleum Hydrocarbons by Infrared Spectrophotometry
Analytic Method	SW8510	Colorimetric Screening Procedure for RDX and HMX in Soil
Analytic Method	SW8515	Colorimetric Screening Method for Trinitrotoluene (TNT) in Soil
Analytic Method	SW8520	Continuous Measurement of Formaldehyde in Ambient Air
Analytic Method	SW8535	Screening Procedure for Total Volatile Organic Halides in Water
Analytic Method	SW8540	Pentachlorophenol by UV-Induced Colorimetry
Analytic Method	SW9000	Determination of Water in Waste Materials by Karl Fischer Titration
Analytic Method	SW9001	Determination of Water in Waste Materials by Quantitative Calcium Hydride Reactor
Analytic Method	SW9010	Total and Amenable Cyanide: Distillation
Analytic Method	SW9010C	Total and Amenable Cyanide: Distillation
Analytic Method	SW9012	Total and Amenable Cyanide (Automated Colorimetric, with Off-Line Distillation)
Analytic Method	SW9012A	Total and Amenable Cyanide (Automated Colorimetric, with Off-Line Distillation)
Analytic Method	SW9012B	Total and Amenable Cyanide (Automated Colorimetric, with Off-Line Distillation)
Analytic Method	SW9012M	Total and Amenable Cyanide (Automated Colorimetric, with Off-Line Distillation)
Analytic Method	SW9013A	Cyanide Extraction Procedure for Solids and Oils
Analytic Method	SW9014	Titrimetric and Manual Spectrophotometric Determinative Methods for Cyanide
Analytic Method	SW9020B	Total Organic Halides (TOX)
Analytic Method	SW9021	Purgeable Organic Halides (POX)
Analytic Method	SW9022	Total Organic Halides (TOX) by Neutron Activation Analysis
Analytic Method	SW9023	Extractable Organic Halides (EOX) in Solids
Analytic Method	SW9030	Acid-Soluble and Acid-Insoluble Sulfides: Distillation
Analytic Method	SW9030B	Acid-Soluble and Acid-Insoluble Sulfides: Distillation
Analytic Method	SW9030M	Acid-Soluble and Acid-Insoluble Sulfides: Distillation
Analytic Method	SW9031	Extractable Sulfides
Analytic Method	SW9034	Titrimetric Procedure for Acid-Soluble and Acid-Insoluble Sulfides
Analytic Method	SW9035	Sulfate (Colorimetric, Automated, Chloranilate)
Analytic Method	SW9036	Sulfate (Colorimetric, Automated, Methylthymol Blue, AA II)

## Reference Values

Column(s) Used	Reference ID	Reference Description
Analytic Method	SW9038	Sulfate (Turbidimetric)
Analytic Method	SW9040C	pH Electrometric Measurement
Analytic Method	SW9041A	pH Paper Method
Analytic Method	SW9045	Soil and Waste pH
Analytic Method	SW9045C	Soil and Waste pH
Analytic Method	SW9045D	Soil and Waste pH
Analytic Method	SW9050A	Specific Conductance
Analytic Method	SW9056	Determination of Inorganic Anions by Ion Chromatography
Analytic Method	SW9056A	Determination of Inorganic Anions by Ion Chromatography
Analytic Method	SW9057A	Determination of Chloride from HCl/Cl <sub>2</sub> Emission Sampling Train (Methods 0050 and 0051) by Anion Chromatography
Analytic Method	SW9060	Total Organic Carbon
Analytic Method	SW9060A	Total Organic Carbon
Analytic Method	SW9060M	Total Organic Carbon
Analytic Method	SW9065	Phenolics (Spectrophotometric, Manual 4-AAP with Distillation)
Analytic Method	SW9066	Phenolics (Colorimetric, Automated 4-AAP with Distillation)
Analytic Method	SW9067	Phenolics (Spectrophotometric, MBTH with Distillation)
Analytic Method	SW9070A	n-Hexane Extractable Material (HEM) for Aqueous Samples
Analytic Method	SW9071B	n-Hexane Extractable Material (HEM) for Sludge, Sediment, and Solid Samples
Analytic Method	SW9074	Turbidimetric Screening Method for Total Recoverable Petroleum Hydrocarbons in Soil
Analytic Method	SW9075	Test Method for Total Chlorine in New and Used Petroleum Products by X-Ray Fluorescence Spectrometry (XRF)
Analytic Method	SW9076	Test Method for Total Chlorine in New and Used Petroleum Products by Oxidative Combustion and Microcoulometry
Analytic Method	SW9077	Test Methods for Total Chlorine in New and Used Petroleum Products (Field Test Kit Methods)
Analytic Method	SW9078	Screening Test Method for Polychlorinated Biphenyls in Soil
Analytic Method	SW9079	Screening Test Method for Polychlorinated Biphenyls in Transformer Oil
Analytic Method	SW9080	Cation-Exchange Capacity of Soils (Ammonium Acetate)
Analytic Method	SW9081	Cation-Exchange Capacity of Soils (Sodium Acetate)
Analytic Method	SW9090A	Compatibility Test for Wastes and Membrane Liners
Analytic Method	SW9095B	Paint Filter Liquids Test
Analytic Method	SW9096	Liquid Release Test (LRT) Procedure
Analytic Method	SW9100	Saturated Hydraulic Conductivity, Saturated Leachate Conductivity, and Intrinsic Permeability
Analytic Method	SW9131	Total Coliform: Multiple Tube Fermentation Technique
Analytic Method	SW9132	Total Coliform: Membrane-Filter Technique
Analytic Method	SW9210A	Potentiometric Determination of Nitrate in Aqueous Samples with an Ion-Selective Electrode
Analytic Method	SW9211	Potentiometric Determination of Bromide in Aqueous Samples with Ion-Selective Electrode
Analytic Method	SW9212	Potentiometric Determination of Chloride in Aqueous Samples with Ion-Selective Electrode
Analytic Method	SW9213	Potentiometric Determination of Cyanide in Aqueous Samples and Distillates with Ion-Selective Electrode
Analytic Method	SW9214	Potentiometric Determination of Fluoride in Aqueous Samples with Ion-Selective Electrode
Analytic Method	SW9215	Potentiometric Determination of Sulfide in Aqueous Samples and Distillates with Ion-Selective Electrode
Analytic Method	SW9216	Potentiometric Determination of Nitrite in Aqueous Samples with Ion-Selective Electrode
Analytic Method	SW9250	Chloride (Colorimetric, Automated Ferricyanide AAI)

## Reference Values

Column(s) Used	Reference ID	Reference Description
Analytic Method	SW9251	Chloride (Colorimetric, Automated Ferricyanide AAI)
Analytic Method	SW9253	Chloride (Titrimetric, Silver Nitrate)
Analytic Method	SW9310	Gross Alpha and Gross Beta
Analytic Method	SW9315	Alpha-Emitting Radium Isotopes
Analytic Method	SW9320	Radium-228
Analytic Method	TA-MS-0346	Organotins
Analytic Method	TBTGCFPD	Tributyltin
Analytic Method	TBTSIM	Tributyltin
Analytic Method	TPH	Total Petroleum Hydrocarbons
Analytic Method	Unger/Krone	Tributyltin
Analytic Method	Unknown	Unknown or none
Analytic Method	Unknown-W	Unknown - Water Matrix
Analytic Method	VPH	Volatile Petroleum Hydrocarbons
Analytic Method	WAVPH	WAV Petroleum Hydrocarbons
Analytic Method	WBLACK	WALKLEY-BLACK METHOD, ORGANIC CARBON (TOC)
Analytic Method	ZFZDRY	Total Solids
Depth Unit, Detection Limit Unit, Result Unit	%	percent
Depth Unit, Detection Limit Unit, Result Unit	% of Total	% of Total
Depth Unit, Detection Limit Unit, Result Unit	AL	Atterberg Limit
Depth Unit, Detection Limit Unit, Result Unit	cm	centimeter
Depth Unit, Detection Limit Unit, Result Unit	count	a count
Depth Unit, Detection Limit Unit, Result Unit	Day	Day
Depth Unit, Detection Limit Unit, Result Unit	Days	Days
Depth Unit, Detection Limit Unit, Result Unit	degC	degrees Celsius
Depth Unit, Detection Limit Unit, Result Unit	degF	degrees Fahrenheit
Depth Unit, Detection Limit Unit, Result Unit	dpm/g	dpm/g
Depth Unit, Detection Limit Unit, Result Unit	ft	feet
Depth Unit, Detection Limit Unit, Result Unit	ft/sec	feet per second
Depth Unit, Detection Limit Unit, Result Unit	g	grams
Depth Unit, Detection Limit Unit, Result Unit	g/cm3	g/cm3
Depth Unit, Detection Limit Unit, Result Unit	Hour	Hour
Depth Unit, Detection Limit Unit, Result Unit	Hours	Hours
Depth Unit, Detection Limit Unit, Result Unit	in	inch
Depth Unit, Detection Limit Unit, Result Unit	IV	Index Value
Depth Unit, Detection Limit Unit, Result Unit	L	Liter
Depth Unit, Detection Limit Unit, Result Unit	lbs	pounds
Depth Unit, Detection Limit Unit, Result Unit	m	meter
Depth Unit, Detection Limit Unit, Result Unit	mg/kg	milligrams per kilogram
Depth Unit, Detection Limit Unit, Result Unit	mg/kg-OC	milligrams per kilogram organic carbon
Depth Unit, Detection Limit Unit, Result Unit	mg/L	milligrams per liter
Depth Unit, Detection Limit Unit, Result Unit	Minute	Minute
Depth Unit, Detection Limit Unit, Result Unit	Minutes	Minutes
Depth Unit, Detection Limit Unit, Result Unit	ml	milliliters
Depth Unit, Detection Limit Unit, Result Unit	mm	millimeters
Depth Unit, Detection Limit Unit, Result Unit	Month	Month
Depth Unit, Detection Limit Unit, Result Unit	Months	Months
Depth Unit, Detection Limit Unit, Result Unit	mS/cm	mS/cm
Depth Unit, Detection Limit Unit, Result Unit	mv	millivolts
Depth Unit, Detection Limit Unit, Result Unit	NA	Not available
Depth Unit, Detection Limit Unit, Result Unit	nq/g	nanograms per gram
Depth Unit, Detection Limit Unit, Result Unit	nq/kg	nanograms per kilogram

## Reference Values

Column(s) Used	Reference ID	Reference Description
Depth Unit, Detection Limit Unit, Result Unit	ng/L	nanoograms per liter
Depth Unit, Detection Limit Unit, Result Unit	ng/sample	nanoograms per sample
Depth Unit, Detection Limit Unit, Result Unit	None	unitless
Depth Unit, Detection Limit Unit, Result Unit	NTU	Nephelometric turbidity unit
Depth Unit, Detection Limit Unit, Result Unit	Numeric ID	Unique Identifier
Depth Unit, Detection Limit Unit, Result Unit	pg/g	picograms per gram
Depth Unit, Detection Limit Unit, Result Unit	pg/L	picograms per liter
Depth Unit, Detection Limit Unit, Result Unit	pg/sample	picograms per sample
Depth Unit, Detection Limit Unit, Result Unit	pH units	PH units
Depth Unit, Detection Limit Unit, Result Unit	SU	Standard Units
Depth Unit, Detection Limit Unit, Result Unit	TU	TU
Depth Unit, Detection Limit Unit, Result Unit	ug/kg	micrograms per kilogram
Depth Unit, Detection Limit Unit, Result Unit	ug/L	micrograms per liter
Depth Unit, Detection Limit Unit, Result Unit	uL	microliters
Depth Unit, Detection Limit Unit, Result Unit	us/cm	microsiemens per centimeter
Fraction	D	Dissolved
Fraction	N	N
Fraction	PRT	Particulate
Fraction	SEM	Simultaneously Extracted Metals
Fraction	SPLP	Synthetic Precipitation Leaching Procedure
Fraction	T	Total
Fraction	TCLP	Toxicity Characteristic Leaching Procedure
Interpreted Qualifiers, Validator Qualifiers	DN	Do Not Report
Interpreted Qualifiers, Validator Qualifiers	J	Estimated value
Interpreted Qualifiers, Validator Qualifiers	J+	Bias High
Interpreted Qualifiers, Validator Qualifiers	J-	Bias low
Interpreted Qualifiers, Validator Qualifiers	JN	Presumptive evidence of a compound, estimated
Interpreted Qualifiers, Validator Qualifiers	L	the grain size fraction was greater than 5 percent of the total combined fractions and the RPD for duplicate analysis on the sample fraction was greater than 20%."
Interpreted Qualifiers, Validator Qualifiers	R	Rejected
Interpreted Qualifiers, Validator Qualifiers	U	Not detected
Interpreted Qualifiers, Validator Qualifiers	UJ	Not detected, estimated
Lab Name Code	AECOM	AECOM
Lab Name Code	ALS-Kelso	ALS-Kelso
Lab Name Code	ALSBURON	ALSBURON
Lab Name Code	ARIS	ARI Seattle
Lab Name Code	LB-SGS	SGS-AXYS
Lab Name Code	ODEQ	Oregon Dept of Environmental Quality
Lab Name Code	TestAmerica-BUR	TestAmerica, Burlington
Lab Name Code	TestAmerica-CA	Test America, California
Lab Name Code	TestAmerica-KNX	Test America, Tennessee
Lab Name Code	TestAmerica-WA	Test America, Washington
Lab Name Code	Unknown	Unknown
Matrix Code, Lab Matrix Code	AA	Ambient Air
Matrix Code, Lab Matrix Code	AQ	Air QC
Matrix Code, Lab Matrix Code	FP	Tar Ball
Matrix Code, Lab Matrix Code	S	Soil/Sediment
Matrix Code, Lab Matrix Code	SE	Sediment
Matrix Code, Lab Matrix Code	SET	Sediment Trap
Matrix Code, Lab Matrix Code	SO	Soil
Matrix Code, Lab Matrix Code	SQ	Solid QC

## Reference Values

Column(s) Used	Reference ID	Reference Description
Matrix Code, Lab Matrix Code	TA	Tissue/Animal
Matrix Code, Lab Matrix Code	TQ	Tissue QC
Matrix Code, Lab Matrix Code	VS	Soil Vapor
Matrix Code, Lab Matrix Code	W	Water
Matrix Code, Lab Matrix Code	WG	Groundwater
Matrix Code, Lab Matrix Code	WO	Water - Outfall (Stormwater)
Matrix Code, Lab Matrix Code	WP	Pore Water
Matrix Code, Lab Matrix Code	WQ	Aqueous QC
Matrix Code, Lab Matrix Code	WS	Surface Water
Matrix Code, Lab Matrix Code	WTZ	Transition Zone Water
Preparation Method	EPA 3510C	EPA 3510C
Preparation Method	METHOD	Preparation as called for in analysis method.
Preparation Method	SW1320	Multiple Extraction Procedure
Preparation Method	SW1330A	Extraction Procedure for Oily Wastes
Preparation Method	SW3005A	Acid Digestion of Waters for Total Recoverable or Dissolved Metals for Analysis by FLAA or ICP Spectroscopy
Preparation Method	SW3010A	Acid Digestion of Aqueous Samples and Extracts for Total Metals for Analysis by FLAA or ICP Spectroscopy
Preparation Method	SW3015A	Microwave Assisted Acid Digestion of Aqueous Samples and Extracts
Preparation Method	SW3020A	Acid Digestion of Aqueous Samples and Extracts for Total Metals for Analysis by GFAA Spectroscopy
Preparation Method	SW3031	Acid Digestion of Oils for Metals Analysis by Atomic Absorption or ICP Spectrometry
Preparation Method	SW3040A	Dissolution Procedure for Oils, Greases, or Waxes
Preparation Method	SW3050B	Acid Digestion of Sediments, Sludges, and Soils
Preparation Method	SW3051A	Microwave Assisted Acid Digestion of Sediments, Sludges, Soils, and Oils
Preparation Method	SW3052	Microwave Assisted Acid Digestion of Siliceous and Organically Based Matrices
Preparation Method	SW3060A	Alkaline Digestion for Hexavalent Chromium
Preparation Method	SW3200	Mercury Species Fractionation and Quantification by Microwave Assisted Extraction, Selective Solvent Extraction and/or Solid Phase Extraction
Preparation Method	SW3500C	Organic Extraction and Sample Preparation
Preparation Method	SW3510C	Separatory Funnel Liquid-Liquid Extraction
Preparation Method	SW3511	Organic compounds in water by microextraction
Preparation Method	SW3520C	Continuous Liquid-Liquid Extraction
Preparation Method	SW3535A	Solid-Phase Extraction (SPE)
Preparation Method	SW3540C	Soxhlet Extraction
Preparation Method	SW3541	Automated Soxhlet Extraction
Preparation Method	SW3542	Extraction of Semivolatile Analytes Collected Using Method 0010 (Modified Method 5 Sampling Train)
Preparation Method	SW3545A	Pressurized Fluid Extraction (PFE)
Preparation Method	SW3546	Microwave Extraction
Preparation Method	SW3550B	Ultrasonic Extraction - Organics
Preparation Method	SW3550C	Ultrasonic Extraction
Preparation Method	SW3560	Supercritical Fluid Extraction of Total Recoverable Petroleum Hydrocarbons
Preparation Method	SW3561	Supercritical Fluid Extraction of Polynuclear Aromatic Hydrocarbons
Preparation Method	SW3562	Supercritical Fluid Extraction of Polychlorinated Biphenyls (PCBs) and Organochlorine Pesticides
Preparation Method	SW3580A	Waste Dilution
Preparation Method	SW3585	Waste Dilution for Volatile Organics
Preparation Method	SW3600C	Cleanup
Preparation Method	SW3610B	Alumina Cleanup
Preparation Method	SW3611B	Alumina Column Cleanup and Separation of Petroleum Wastes



## Reference Values

Column(s) Used	Reference ID	Reference Description
Preparation Method	SW3620C	Florisil Cleanup
Preparation Method	SW3630B	Silica Gel Cleanup
Preparation Method	SW3640A	Gel-Permeation Cleanup
Preparation Method	SW3650B	Acid-Base Partition Cleanup
Preparation Method	SW3660B	Sulfur Cleanup
Preparation Method	SW3665A	Sulfuric Acid/Permanganate Cleanup
Preparation Method	SW3815	Screening Solid Samples for Volatile Organics
Preparation Method	SW3820	Hexadecane Extraction and Screening of Purgeable Organics
Preparation Method	SW5000	Sample Preparation for Volatile Organic Compounds
Preparation Method	SW5021A	Volatile Organic Compounds in Soils and Other Solid Matrices Using Equilibrium Headspace Analysis
Preparation Method	SW5030C	Purge-and-Trap for Aqueous Samples
Preparation Method	SW5031	Volatile, Nonpurgeable, Water-Soluble Compounds by Azeotropic Distillation
Preparation Method	SW5032	Volatile Organic Compounds by Vacuum Distillation
Preparation Method	SW5035A	Closed-System Purge-and-Trap and Extraction for Volatile Organics in Soil and Waste Samples
Preparation Method	SW5041A	Analysis for Desorption of Sorbent Cartridges from Volatile Organic Sampling Train (VOST)
Preparation Method	SW5050	Bomb Preparation Method for Solid Waste
Result Type	CALC	Calculated
Result Type	IS	Internal Standard
Result Type	SC	Spiked Compound
Result Type	SUR	Surrogate
Result Type	TIC	Tentatively Identified Compound
Result Type	TRG	Target, regular result.
Sample Type	BAC	Bioassay control
Sample Type	BAD0	Bioassay Day 0
Sample Type	BD	Lab Control Sample Duplicate
Sample Type	BS	Lab Control Sample
Sample Type	BSD	Blank Spike Duplicate
Sample Type	CCB	Continuing Calibration Blank
Sample Type	CCV	Continuing Calibration Verification
Sample Type	EB	Equipment Blank
Sample Type	FB	Field Blank
Sample Type	FD	Field Duplicate
Sample Type	FR	Field Replicate
Sample Type	IC	Initial Calibration
Sample Type	ICV	Initial Calibration Verification
Sample Type	LB	Method Blank
Sample Type	LR	Lab Duplicate
Sample Type	MS	Matrix Spike
Sample Type	N	Normal Sample
Sample Type	PDS	Post Digestion Spike
Sample Type	PE	Performance Evaluation
Sample Type	RD	Regulatory Duplicate
Sample Type	RM	Reference Material
Sample Type	SD	Matrix Spike Duplicate
Sample Type	TB	Trip Blank
Sample Type	TBDUP	Trip Blank Duplicate
Test Type	REANAL 2	Reanalysis 2
Test Type	REANAL 3	Reanalysis 3

## Reference Values

Column(s) Used	Reference ID	Reference Description
Test Type	REANAL_4	Reanalysis 4
Test Type	CALC	Calculation
Test Type	DILUTION	Dilution
Test Type	INITIAL	INITIAL
Test Type	OCNORM	Result is OC Normalized
Test Type	REANAL_1	Reanalysis 1
Test Type	REANALYSIS	Reanalysis
Test Type	REEXTRACT	Reextract