

standard methods

for the Examination of Water and Wastewater

TENTATIVE LISTING OF SECTIONS

Standard Methods for the Examination of Water and Wastewater

NOTE: Joint Task Groups will not be formed for most introductory sections. Some section numbers are tentative and may be modified at a later date.

<u>Section Number</u>	<u>Section Title</u>
Part 1000	INTRODUCTION
1010	Introduction
1020	Quality Assurance
1030	Data Quality
1040	Method Development and Evaluation
1050	Expression of Results
1060	Collection and Preservation of Samples
1080	Reagent Water
1090	Laboratory Occupational Health and Safety
1100	Waste Minimization and Disposal
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Part 2000	PHYSICAL AND AGGREGATE PROPERTIES
2010	Introduction
2020	Quality Assurance/Quality Control
2110	Appearance
2120	Color
2130	Turbidity
2140	Light Attenuation
2150	Odor

2160	Taste
2170	Flavor Profile Analysis
2310	Acidity
2320	Alkalinity
2330	Calcium Carbonate Saturation
2340	Hardness
2350	Oxidant Demand/Requirement
2510	Conductivity
2520	Salinity
2530	Floatables
2540	Solids
2550	Temperature
2560	Particle Counting and Size Distribution
2570	Asbestos
2580	Oxidation-Reduction Potential (ORP)
2710	Tests on Sludges
2720	Anaerobic Sludge Digester Gas Analysis
2810	Dissolved Gas Supersaturation

Part 3000

METALS

3010	Introduction
3020	Quality Assurance/Quality Control
3030	Preliminary Treatment of Samples
3110	Metals by Atomic Absorption Spectrometry (AAS)
3111	Metals by Flame AAS
3112	Metals by Cold-Vapor AAS
3113	Metals by Electrothermal AAS
3114	Arsenic and Selenium by Hydride Generation/AAS
311X	Mercury by Atomic Fluorescence
3120	Metals by Plasma Emission Spectroscopy
3125	Metals by Inductively Coupled Plasma/Mass Spectrometry
3130	Metals by Anodic Stripping Voltammetry

TENTATIVE LISTING OF SECTIONS (Continued)

<u>Section Number</u>	<u>Section Title</u>
3140	Determination of Metals by Ion Chromatography
3500-Al	Aluminum
3500-As	Arsenic
3500-Ca	Calcium
3500-Cr	Chromium
3500-Cu	Copper
3500-Fe	Iron
3500-Pb	Lead
3500-Li	Lithium
3500-Mg	Magnesium
3500-Mn	Manganese
3500-K	Potassium
3500-Se	Selenium
3500-Na	Sodium
3500-Sr	Strontium
3500-V	Vanadium
3500-Zn	Zinc

Part 4000	INORGANIC NONMETALLIC CONSTITUENTS
4010	Introduction
4020	Quality Assurance/Quality Control
4110	Determination of Anions by Ion Chromatography
4120	Segmented Continuous Flow Analysis
4130	Inorganic Nonmetals by Flow Injection Analysis
4140	Inorganic Anions by Capillary Ion Electrophoresis
4500-B	Boron
4500-Br ⁻	Bromide
4500-CO ₂	Carbon Dioxide

TENTATIVE LISTING OF SECTIONS (Continued)

<u>Section Number</u>	<u>Section Title</u>
4500-CN ⁻	Cyanide
4500-Cl	Chlorine (Residual)
4500-Cl ⁻	Chloride
4500-ClO ₂	Chlorine Dioxide
4500-F ⁻	Fluoride
4500-H ⁺	pH Value
4500-H ₂ O ₂	Hydrogen Peroxide
4500-I	Iodine
4500-I ⁻	Iodide
4500-IO ₃ ⁻	Iodate
4500-N	Nitrogen
4500-NH ₃	Nitrogen (Ammonia)
4500-NO ₂ ⁻	Nitrogen (Nitrite)
4500-NO ₃ ⁻	Nitrogen (Nitrate)
4500-N _{org}	Nitrogen (Organic)
4500-O	Oxygen (Dissolved)
4500-O ₃	Ozone (Residual)
4500-P	Phosphorus
4500-KMnO ₄	Potassium Permanganate
4500-SiO ₂	Silica
4500-S ²⁻	Sulfide
4500-SO ₃ ²⁻	Sulfite
4500-SO ₄ ²⁻	Sulfate

TENTATIVE LISTING OF SECTIONS (Continued)

<u>Section Number</u>	<u>Section Title</u>
Part 5000	AGGREGATE ORGANIC CONSTITUENTS
5010	Introduction
5020	Quality Assurance/Quality Control
5210	Biochemical Oxygen Demand (BOD)
5220	Chemical Oxygen Demand (COD)
5310	Total Organic Carbon (TOC)
5320	Dissolved Organic Halogen
5510	Aquatic Humic Substances
5520	Oil and Grease
5530	Phenols
5540	Surfactants
5550	Tannin and Lignin
5560	Organic and Volatile Acids
5710	Formation of Trihalomethanes and Other Disinfection By-Products
5910	UV-Absorbing Organic Constituents
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Part 6000	INDIVIDUAL ORGANIC COMPOUNDS
6010	Introduction
6020	Quality Assurance/Quality Control
6040	Constituent Concentration by Gas Extraction
6050	Pesticides and Industrial Chemicals
6200	Volatile Organic Compounds
6211	Methane
6221	Petroleum Hydrocarbons
6231	1,2-Dibromoethane (EDB) and 1,2-Dibromo-3-Chloropropane (DBCP)
6232	Trihalomethanes and Chlorinated Organic Solvents
6251	Disinfection By-Products - Haloacetic Acids and Trichlorophenol
6252	Disinfection By-Products - Aldehydes

TENTATIVE LISTING OF SECTIONS (Continued)

<u>Section Number</u>	<u>Section Title</u>
6410	Extractable Base/Neutrals and Acids
6420	Phenols
6431	Polychlorinated Biphenyls (PCBs)
6440	Polynuclear Aromatic Hydrocarbons
6610	Carbamate Pesticides
6630	Organochlorine Pesticides
6640	Acidic Herbicide Compounds
6651	Glyphosate Herbicide
6710	Tributyltin

Part 7000	RADIOACTIVITY
7010	Introduction
7020	Quality Assurance/Quality Control
7030	Counting Instruments
7040	Facilities
7110	Gross Alpha and Gross Beta Radioactivity
7120	Gamma-Emitting Radionuclides
7500-Cs	Radioactive Cesium
7500-I	Radioactive Iodine
7500-Ra	Radium
7500-Rn	Radon
7500-Sr	Total Radioactive Strontium and Strontium 90
7500- ³ H	Tritium
7500-U	Uranium

TENTATIVE LISTING OF SECTIONS (Continued)

<u>Section Number</u>	<u>Section Title</u>
Part 8000	TOXICITY
8010	Introduction
8020	Quality Assurance/Quality Control
8030	Mutagenesis
8031	Fertilization and Embryo Test Procedures
8050	Bacterial Bioluminescence
8070	P450 Reporter Gene Response to Dioxin-Like Organic Compounds
8071	Comet Assay
8080	Sediment Pore Water Testing
8090	Bioaccumulation
8111	Biostimulation (Algal Productivity)
8112	Phytoplankton
8113	Macroalgae
8211	Duckweed
8220	Aquatic Emergent Plants
8310	Ciliated Protozoa
8420	Rotifers
8510	Annelids
8610	Mollusks
8711	<i>Daphnia</i>
8712	<i>Ceriodaphnia</i>
8714	Mysids
8720	Copepods
8730	Amphipods
8740	Decapods
8750	Aquatic Insects
8810	Echinoderm Fertilization and Development
8910	Fish
8921	Fathead Minnow

TENTATIVE LISTING OF SECTIONS (Continued)

<u>Section Number</u>	<u>Section Title</u>
8930	Amphibians
8941	Sheepshead Minnow
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Part 9000	MICROBIOLOGICAL EXAMINATION
9010	Introduction
9020	Quality Assurance/Quality Control
9030	Laboratory Apparatus
9040	Washing and Sterilization
9050	Preparation of Culture Media
9060	Samples
9211	Rapid Detection Methods
9212	Stressed Organisms
9213	Recreational Waters
9215	Heterotrophic Plate Count
9216	Direct Total Microbial Count
9217	Assimilable Organic Carbon
9218	Aerobic Endospores
9221	Multiple-Tube Fermentation Technique for Members of the Coliform Group
9222	Membrane Filter Technique for Members of the Coliform Group
9223	Enzyme Substrate Coliform Test
9224	Detection of Coliphages
9225	Differentiation of the Coliform Bacteria
9230	Fecal Streptococcus and Enterococcus Groups
9240	Iron and Sulfur Bacteria
9245	Nitrifying Bacteria
9250	Detection of Actinomycetes
9260	Detection of Pathogenic Bacteria

TENTATIVE LISTING OF SECTIONS (Continued)

<u>Section Number</u>	<u>Section Title</u>
9510	Detection of Enteric Viruses
9610	Detection of Fungi
9711	Pathogenic Protozoa

Part 10000	BIOLOGICAL EXAMINATION
10010	Introduction
10020	Quality Assurance/Quality Control
10200	Plankton
10300	Periphyton
10400	Macrophytes
10500	Benthic Macroinvertebrates
10600	Fish
10750	Nematological Examination
10900	Identification of Aquatic Organisms

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