

INDEX

WATER

[Inorganic-Wet Chemistry](#)
[Inorganic-Metals Analysis](#)
[Organic](#)
[Radiochemistry](#)
[Biology](#)

SOILS AND SEDIMENTS

[Inorganic-Wet Chemistry](#)
[Inorganic-Metals Analysis](#)
[Organic](#)
[Biology](#)

WATER TREATMENT REAGENTS

[Sodium Hypochlorite Impurities](#)

WATER

Inorganic-Wet Chemistry

Parameters:

Alkalinity Free	Iodides
Alkalinity Total	Iodides (high sensitivity)
Ammonia	Monochloroamine
Ammonia Nitrogen	Nitrate
Bicarbonate	Nitrite
BOD 20	Nitrogen Kjeldahl
BOD 5	Nitrogen Total
Bromates	Nitrogen, Nitrate
Bromides	Nitrogen, Nitrite
Calcinated Solids	Odour
Carbon Dioxide	Oxidizability Permanganate
Carbon Dioxide Combined	Oxygen Dissolved
Carbonate	pH
Chlorates	Phosphates
Chlorides	Phosphates (as P)
Chlorine Combined	Phosphorus Total
Chlorine Free	Phosphorus Total (as P)
Chlorine Total	Polyphosphates
Chlorites	Polyphosphates (as P)
COD	Rhodanides
Color	Silica
Conductivity	Sulfates
Cyanide	Sulfites
Dichloroamine	Surfactants Anionic
Dry Residue	Surfactants Nonionic
Ferrocyanides	Suspended Solids
Fluoride	Temperature
Hardness Carbonate	Thiosulfates
Hardness Recoverable	Thiosulfates (as S ₂ O ₃)
Hardness Total	Transparency
Hydrogen Sulfide (forms tentatively)	Turbidity
Hydrogen Sulfide and Sulfides	UV Absorbance @ 254 nm

WATER

Inorganic-Metals Analysis

Parameters:

Aluminum	Arsenic
Antimony	Barium

Berillium
Bismuth
Boron
Cadmium
Calcium
Cesium
Chromium 3+
Chromium 6+
Chromium Total
Cobalt
Copper
Iron
Iron 2+
Lead
Lithium
Magnesium

Manganese
Mercury
Molibdenum
Nickel
Potassium
Selenium
Silver
Sodium
Strontium
Thallium
Tin
Titanium
Tungsten
Uranium
Vanadium
Zinc

Trace metals scan (ICP-Mass Spectrometry):

Ag, Al, As, B, Ba, Be, Bi, Ca, Cd, Co, Cr, Cs, Cu, Fe, K, Li, Mg, Mn, Mo, Na, Ni, Pb, Sb, Se, Sn, Sr, Ti, Tl, V, W, Zn

WATER

Organic

Parameters:

Acetaldehyde
Acetate ion
Acetone
Benzene
Etherextractables
Ethylbenzene
Fludioxonil (Maxim)
Formaldehyde
Formaldehyde (HPLC)
Glyphosate (Roundup)
Greases
Mancozeb (Ditan 45)
Methanol
NDMA (N-nitrosodimethylamine)
Organic Carbon Dissolved

Xylenes

m-Xylene
o-Xylene

Semivolatile Organic Compounds (SVOCs)

1,2-Dichlorobenzene
1,3,5-Trichlorobenzene
2,4-Dinitrotoluene
2,4-Dinitrophenol
2-Methylizoborneol
2-Nitrophenol
2-Chloronaphthalene
4-Nitrophenol
N-Nitrosodiphenylamine

Volatile Organic Compounds (VOCs)

Organic Carbon Total
Petroleum Hydrocarbons (qualitative composition)
Phenolic Index
Semivolatile Organic Compounds (SVOCs) Identification
Styrene
Toluene
Total Petroleum Hydrocarbons (TPHs)
Trilon B
Urea
Volatile Fatty Acids
Volatile Organic Compounds (VOCs) Identification

p-Xylene
Xylenes Total

Benzothiazole
Hexachlorobutadiene
Hexachlorocyclopentadiene
Hexachloroethane
Geosmin
Dekanal
Methylpentenon
Nitrobenzene
Phenylamine (aniline)

1,2,3-Trimethylbenzene
1,2,4-Methylbenzene
1,2-Dibromo-3-Chloropropane
1,3,5-Methylbenzene
1,3-Dichloropropene
Benzene
Vinylchloride

Pesticides, Nitrogenous

Atrazine
Metalaxyl (Rydomil MC)
Metolachlor
Oxadixyl
Pendimethalin (Stomp)
Prometrin

Polycyclic Aromatic Hydrocarbons (PAHs)

Anthracene
Acenaphthene
Benzo(a)anthracene
Benzo(a)pyrene
Benzo(b)fluoranthene
Benzo(ghi)perylene
Benzo(k)fluoranthene
Dibenz(ah)anthracene

Pesticides, Organophosphorus

Malathion
Methylparation

Pesticides, Organochlorine

2,4-D
Chlorofos
Aldrin
Alpha-HCH
Beta-HCH
Gamma-HCH (Lindane)
Hexachlorobenzene
DDD

PCB (Polychlorinated Biphenyls)

PCB-1 (2-Chlorobiphenyl)
PCB-11 (3,3'-Dichlorobiphenyl)
PCB-28 (2,4,4'-Trichlorobiphenyl)
PCB-52 (2,2',5,5'-Tetrachlorobiphenyl)
PCB-77 (3,3',4,4'-Tetrachlorobiphenyl)
PCB-81 (3,4,4',5-Tetrachlorobiphenyl)
PCB-101 (2,2',4,5,5'-Pentachlorobiphenyl)

Phenols

2,3,5 Trimethylphenol
2,3-Xylenol
2,4-Xylenol
2,5-Xylenol
2,6-Xylenol
2-Isopropilphenol

Dimethyldisulfide
Methylacrylate
Methylmethacrylate
Methyl-tert-butyl ether
Parazimol
Chlorobenzene
Epichlorohydrin

Propazin
Rogor
Semeron
Simazine
Flurochloridon (Reyser)

Indeno(1,2,3-cd)-pyrene
Naphthalene
Pyrene
Phenanthrene
Fluoranthene
Fluorene
Chrysene

Fozalon
Ftalophos

DDE
DDT
Dieldrin
Keltan
Methoxychlor
Eldrin
Heptachlor

PCB-118 (2,3',4,4',5-Pentachlorobiphenyl)
PCB-126 (3,3',4,4',5-Pentachlorobiphenyl)
PCB-138 (2,2',3,4,4',5'-Hexachlorobiphenyl)
PCB-153 (2,2',4,4',5,5'-Hexachlorobiphenyl)
PCB-169 (3,3',4,4',5,5'-Hexachlorobiphenyl)
PCB-180 (2,2',3,4,4',5,5'-Heptachlorobiphenyl)

3,4-Xylenol
3,5-Xylenol
m-Cresol
o-Cresol
o-Ethylphenol
p-Cresol

p-Ethylphenol
Phenol

Phenoles Total

Phthalates

Butylbenzylphthalate
Di (2-ethylhexyl) phthalate
Dibutylphthalate
Diisobutylphthalate

Dimethylphthalate
Diethylphthalate
Phthalates Total

Volatile Halogen-Organic Compounds

1,1,1,2-Tetrachloroethane
1,1,2,2-Tetrachloroethane
1,1,2,2-Tetrachloride
1,1,1-Trichloroethane
1,1,2-Trichloroethane
1,1-Dichloroethane
1,2-Dichloroethane
1,1-Dihlorethene
1,2-Dihlorethene
1,2-Dichloropropene

Dibromochloromethane
Dichlorobromomethane
Dichloromethane
Tetrachloromethane (Carbon tetrachloride)
Tribromomethane
Trichloromethane
Trichloroetene
Trihalomethanes Total
Trihalomethanes Toxicity

Chlorophylls

Chlorophyll A

Chlorophyll B

Chlorophenols

2,3,4-Trichlorophenol
2,3,5-Trichlorophenol
2,3,6-Trichlorophenol
2,4,5-Trichlorophenol
2,4,6-Trichlorophenol

2,4-Dichlorophenol
2-Chlorophenol
3-Chlorophenol
4-Chlorophenol
Pentachlorophenol

WATER

Radiochemistry

Parameters:

Gross Alpha and Gross Beta Radioactivity

Radon

WATER

Biology

Parameters:

Actinomycetes
Clostridium Perfringens
Coliphages
Cryptosporidium Oocysts
Enterobacteriaceae
Enteroviruses
Faecal Streptococci
Giardia Cysts
Glucose-positive Coliforms
Helminth Eggs

Iron Reducing Bacteria
Legionella
Phyto- and Zooplankton
Pseudomonas Aeruginosa
Salmonellas
Shigellas
Staphylococcus Aureus
Thermotolerant Coliforms
Total Coliforms
Total Plate Count

SOILS AND SEDIMENTS

Inorganic-Wet Chemistry

Parameters:

Acidity Hydrolytic
Ammonia Exchanged
Ammonia Nitrogen
Amount of Exchangeable Cations
Ash Content
Degree of Base Saturation

Humidity
Nitrogen Total
Organic Matter
pH
Phosphates
Phosphorus Total

SOILS AND SEDIMENTS

Inorganic-Metals Analysis

Parameters:

Aluminum	Molybdenum
Barium	Arsenic
Beryllium	Sodium
Boron	Nickel
Vanadium	Tin
Bismuth	Mercury
Tungsten	Lead
Iron	Selenium
Cadmium	Silver
Potassium Total (K ₂ O)	Strontium
Calcium	Antimony
Cobalt	Thallium
Lithium	Titan
Magnesium	Uranium
Manganese	Chromium Total
Copper	Zinc

SOILS AND SEDIMENTS

Organic

Parameters:

Total Petroleum Hydrocarbons (TPHs)

PAHs

Anthracene	Dibenz(ah)anthracene
Acenaphthene	Naphthalene
Benzo(a)anthracene	Pyrene
Benzo(a)pyrene	Phenanthrene
Benzo(b)fluoranthene	Fluoranthene
Benzo(ghi)perylene	Fluorene
Benzo(k)fluoranthene	Chrysene

Pesticides, Organochlorine

Aldrin	DDE
Alpha-HCH	DDT
Beta-HCH	Dieldrin
Gamma-HCH (Lindane)	Methoxychlor
Hexachlorobenzene	Eldrin
DDD	Heptachlor

PCB (Polychlorinated Biphenyls)

PCB-28 (2,4,4'-Trichlorobiphenyl)	PCB-81 (3,4,4',5-Tetrachlorobiphenyl)
PCB-52 (2,2',5,5'-Tetrachlorobiphenyl)	PCB-101 (2,2',4,5,5'-Pentachlorobiphenyl)
PCB-77 (3,3',4,4'-Tetrachlorobiphenyl)	PCB-118 (2,3',4,4',5-Pentachlorobiphenyl)

PCB-126 (3,3',4,4',5-Pentachlorobiphenyl)
PCB-138 (2,2',3,4,4',5'-Hexachlorobiphenyl)
PCB-153 (2,2',4,4',5,5'-Hexachlorobiphenyl)

PCB-169 (3,3',4,4',5,5'-Hexachlorobiphenyl)
PCB-180 (2,2',3,4,4',5,5'-Heptachlorobiphenyl)

Phenols

Phenol
o-Cresol
m-Cresol
p-Cresol
2,6-Xylenol
2-Chlorophenol
2,4-Dichlorophenol

2,4,5-Trichlorophenol
2,4,6-Trichlorophenol
Pentachlorophenol
Beta-HCH
Gamma-HCH (Lindane)
Hexachlorobenzene
DDD

SOILS AND SEDIMENTS

Biology

Parameters:

Clostridium Perfringens
Coliphages
Faecal Streptococci
Helminth eggs
Salmonellas

Shigellas
Staphylococcus Aureus
Thermotolerant Coliforms
Total Coliforms
Total Plate Count

WATER TREATMENT REAGENTS

Sodium Hypochlorite Impurities

Parameters:

Bromates
Chlorate

Chlorite