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Commerical Environmental Lab

Matrix: **Aqueous**

Oxygen Demand assays (BOD or cBOD)

- Biochemical Oxygen Demand (BOD)
- Carbonaceous Oxygen Demand (cBOD)

Colorimetric or Nephelometric (turbidimetric)

- Ammonia as N
- Chemical Oxygen Demand
- Chloride
- Chlorophyll
- Cyanide, Amenable
- Cyanide, Total
- Fluoride
- Hardness, Total as CaCO₃
- Kjeldahl Nitrogen, Total
- Nitrate
- Nitrate + Nitrite
- Nitrite
- Orthophosphate
- Phenolics, Total
- Phosphorus, Total
- Silica
- Sulfate
- Sulfide
- Surfactants

Electrometric Assays (probe, ISE)

- Ammonia as N
- Fluoride
- Nitrate

Gravimetric Assays - Residue (solids)

- Residue, Filterable (TDS)
- Residue, Nonfilterable (TSS)
- Residue, Total
- Residue, Volatile (TVS)
- Residue, Volatile, Nonfilterable (TVSS)
- Sulfate

Gravimetric Assays - Hexane Extractable Materials (HEM)

- Oil&Grease, Hexane Ext. Material

Ion Chromatography (IC)

- Bromide

Titrimetric or Potentiometric Titration Assays

- Acidity as CaCO₃
- Alkalinity
- Ammonia as N
- Chemical Oxygen Demand
- Chloride
- Cyanide, Amenable
- Cyanide, Total
- Hardness, Total as CaCO₃
- Kjeldahl Nitrogen, Total
- Sulfide
- Sulfides, Acid-Soluble and Acid-Insoluble
- Sulfite

Cold Vapor Atomic Absorption or Hydride

Spectrometry

- Mercury

Flame Atomic Absorption Spectrophotometry

- Cadmium
- Calcium
- Chromium (Hexavalent)
- Chromium (Total)
- Copper

- Hardness, Total as CaCO₃
- Iron
- Lead
- Magnesium
- Manganese
- Nickel
- Potassium
- Silver
- Sodium
- Zinc

Graphite Furnace Atomic Absorption Spectrometry

- Aluminum
- Antimony
- Arsenic
- Beryllium
- Cadmium
- Chromium (Total)
- Cobalt
- Copper
- Iron
- Lead
- Manganese
- Molybdenum
- Nickel
- Selenium
- Silver
- Thallium
- Tin
- Titanium
- Vanadium

Inductively Coupled Plasma Emission Spectrometry (ICP)

- Aluminum
- Antimony
- Arsenic
- Barium
- Beryllium
- Boron
- Cadmium
- Calcium
- Chromium (Total)
- Cobalt
- Copper
- Hardness, Total as CaCO₃
- Iron
- Lead
- Magnesium
- Manganese
- Molybdenum
- Nickel
- Potassium
- Selenium
- Silicon
- Silver
- Sodium
- Strontium
- Thallium
- Tin
- Titanium
- Vanadium
- Zinc

Gas Chromatography (GC)

- * PAH ANALYTE GROUP
- * PCB as AROCLORS ANALYTE GROUP
- * PESTICIDES, ORGANOCHLORINE ANALYTE GROUP
- * VOC ANALYTE GROUP
- 1,2,4,5-Tetrachlorobenzene
- 2,3,4,6-Tetrachlorophenol
- 2,4,5-T
- 2,4,5-TP (Silvex)
- 2,4,5-Trichlorophenol
- 2,4,6-Trichlorophenol
- 2,4-D
- 2,4-DB
- 2,4-Dichlorophenol
- 2,4-Dimethylphenol
- 2,6-Dichlorophenol
- 2-Chlorophenol
- 2-Cyclohexyl-4,6-dinitro-phenol
- 2-Methylphenol (o-Cresol)
- 2-Nitrophenol
- 3-Methylphenol (m-Cresol)
- 4,6-Dinitro-2-methylphenol
- 4-Bromophenyl phenyl ether
- 4-Chloro-3-methylphenol (4-Chloro-m-cresol)
- 4-Chlorophenol
- 4-Methylphenol (p-Cresol)
- 4-Nitrophenol
- Acifluorfen
- Alachlor
- Ametryn
- Atraton
- Atrazine
- Azinphos Ethyl
- Azinphos Methyl
- Benfluralin
- Benzyl Butyl Phthalate
- Bis(2-chloroethoxy)methane
- Bis(2-chloroethyl) ether
- Bis(2-chloroisopropyl) ether
- Bis(2-ethylhexyl)phthalate
- Bromacil (salts and Esters)
- Butachlor
- Carbophenothion
- Chloramben
- Chlorpyrifos
- Cyanazine
- Dalapon
- Deisopropylatrazine
- Demeton-O
- Demeton-S
- Desethylatrazine
- Diaminoatrazine
- Diazinon
- Dicamba
- Dichlorprop Salts and Esters
- Dichlorvos
- Diesel Range Organics (DRO)
- Diethyl Phthalate
- Dimethoate
- Dimethyl Phthalate
- Di-n-butyl Phthalate

- Di-n-octyl Phthalate
 - Dinoseb (2-sec-butyl-4,6-Dinitrophenol)
 - Dioxathion
 - Disulfoton
 - Ethalfuralin
 - Ethion
 - Ethoprop
 - Famphur
 - Fenthion
 - Fonophos
 - Gasoline Range Organics (GRO)
 - Hexachlorobenzene
 - Hexachlorobutadiene
 - Hexachlorocyclopentadiene
 - Hexachloroethane
 - Isophorone
 - Malathion
 - MCPA Salts and Esters
 - MCPP Salts and Esters
 - Metribuzin
 - Nitrobenzene
 - N-Nitrosodiethylamine
 - N-Nitrosodimethylamine
 - N-Nitrosodi-n-butylamine
 - N-Nitrosodiphenylamine
 - N-Nitrosodipropylamine
 - N-Nitrosomethylethylamine
 - N-Nitrosomorpholine
 - N-Nitrosopiperidine
 - N-Nitrosopyrrolidine
 - Parathion (Parathion Ethyl)
 - Parathion Methyl
 - Pendimethalin
 - Pentachlorobenzene
 - Pentachlorophenol
 - Petroleum Volatile Organic Compounds (PVOC)
 - Phenol
 - Phorate
 - Phosmet
 - Picloram
 - Prometon
 - Prometryn
 - Pronamide
 - Propachlor
 - Propazine
 - Simazine
 - Terbufos
 - Terbutryn
 - Trifluralin
- Gas Chromatography-Mass Spectrometry (GC/MS)
- * BNA ANALYTE GROUP
 - * PAH ANALYTE GROUP
 - * PESTICIDES, ORGANOCHLORINE ANALYTE GROUP
 - * VOC ANALYTE GROUP
 - 1,3,5-Trinitrobenzene
 - 1,3-Dinitrobenzene
 - 2,4-Dinitrotoluene
 - 2,6-Dinitrotoluene
 - Acephate
 - Alachlor
 - Ametryn
 - Aspon
 - Atraton
 - Atrazine
 - Azinphos Ethyl
 - Azinphos Methyl
 - Benfluralin

- Bentazon
- Bolstar
- Bromacil (salts and Esters)
- Bromoxynil Octanoate
- Butachlor
- Carbophenothion
- Chlorfenvinphos
- Chlorothalonil
- Chlorpyrifos
- Chlorpyrifos Methyl
- Coumaphos
- Crotoxyphos
- Cyanazine
- DEF
- Deisopropylatrazine
- Demeton-O
- Demeton-S
- Desethylatrazine
- Diaminoatrazine
- Diazinon
- Dichlofenthion
- Dichlorvos
- Dicrotophos
- Dimethoate
- Dioxathion
- Disulfoton
- EPN
- Ethalfuralin
- Ethion
- Ethoprop
- Famphur
- Fenarimol
- Fenitrothion
- Fensulfotthion
- Fenthion
- Fonophos
- Hexamethylphosphoramide
- Isopropalin
- Leptophos
- Malathion
- Merphos
- Methamidophos
- Metribuzin
- Mevinphos
- Monocrotophos
- Naled
- Nitrobenzene
- Norflurazon
- Parathion (Parathion Ethyl)
- Parathion Methyl
- Pendimethalin
- Petroleum Volatile Organic Compounds (PVOC)
- Phorate
- Phosalone
- Phosmet
- Phosphamidon
- Prometon
- Prometryn
- Pronamide
- Propachlor
- Propanil
- Propazine
- Ronnel
- Simazine
- Stirofos
- Sulfotepp
- TEPP
- Terbufos

- Terbutryn
- Tetrachlorvinphos
- Thionazin (Zinophos)
- Tokuthion (Protothiofos)
- Triadimefon
- Trichloronate
- Trichlorophon
- Trifluralin
- Tri-o-cresylphosphate (TOCP)

Matrix: Drinking Water

Disinfection Byproducts

- * HALOACETIC ACIDS ANALYTE GROUP - EPA 552.2
- Bromate - EPA 300.1
- Chlorite - EPA 300.1

Primary Inorganic Contaminants (Non-Metals)

- Cyanide - Std Methods 4500-CN- C,E (18,19, or 20)
- Cyanide, Amenable - Std Methods 4500-CN- C,G (18,19, or 20)
- Fluoride - Std Methods 4500F- C (18,19, or 20)
- Nitrate - EPA 300.0
- Nitrate - Std Methods 4500-NO3- D (18,19, or 20)
- Nitrate + Nitrite - EPA 300.0
- Nitrate + Nitrite - Std Methods 4500-NO3-F (18,19, or 20)
- Nitrite - EPA 300.0
- Nitrite - Std Methods 4500-NO2- B (18,19, or 20)

Primary Inorganic Contaminants (Metals)

- Antimony - Std Methods 3113B (18 or 19)
- Arsenic - Std Methods 3113B (18 or 19)
- Barium - EPA 200.7
- Beryllium - EPA 200.7
- Beryllium - Std Methods 3113B (18 or 19)
- Cadmium - EPA 200.7
- Cadmium - Std Methods 3113B (18 or 19)
- Chromium - EPA 200.7
- Chromium - Std Methods 3113B (18 or 19)
- Copper - EPA 200.7
- Copper - Std Methods 3111B (18 or 19)
- Copper - Std Methods 3113B (18 or 19)
- Lead - Std Methods 3113B (18 or 19)
- Mercury - EPA 245.1
- Nickel - EPA 200.7
- Nickel - Std Methods 3113B (18 or 19)
- Selenium - Std Methods 3113B (18 or 19)
- Thallium - EPA 200.9

Secondary Contaminants (Non-Metals)

- Sulfate - EPA 300.0

Secondary Contaminants (Metals)

- Sodium - EPA 200.7
- Sodium - Std Methods 3111B (18 or 19)

SOC - Organochlorine Pesticides

- Chlordane - EPA 505
- Endrin - EPA 505
- Endrin - EPA 525.2
- Heptachlor - EPA 505
- Heptachlor - EPA 525.2
- Heptachlor epoxide - EPA 505
- Heptachlor epoxide - EPA 525.2
- Lindane (gamma-BHC) - EPA 505
- Lindane (gamma-BHC) - EPA 525.2
- Methoxychlor - EPA 505
- Methoxychlor - EPA 525.2
- Toxaphene - EPA 505

SOC - N/P Pesticides

- Alachlor - EPA 505
- Alachlor - EPA 525.2
- Atrazine - EPA 505
- Atrazine - EPA 525.2
- Simazine - EPA 505
- Simazine - EPA 525.2

SOC - Herbicides

- 2,4-D - EPA 515.3
- Dalapon - EPA 515.3
- Dinoseb - EPA 515.3
- Pentachlorophenol - EPA 515.3
- Pentachlorophenol - EPA 525.2
- Picloram - EPA 515.3
- Silvex (2,4,5-TP) - EPA 515.3

SOC - Miscellaneous

- Benzo(a)pyrene - EPA 525.2
- Di(2-ethylhexyl)adipate - EPA 525.2
- Di(2-ethylhexyl)phthalate - EPA 525.2
- Dibromochloropropane (DBCP) - EPA 504.1
- Endothall - EPA 548.1
- Ethylene Dibromide (EDB) - EPA 504.1
- Hexachlorobenzene - EPA 505
- Hexachlorobenzene - EPA 525.2
- Hexachlorocyclopentadiene - EPA 505
- Hexachlorocyclopentadiene - EPA 525.2

Trihalomethanes (THM)

- * THM ANALYTE GROUP - EPA 502.2
- * THM ANALYTE GROUP - EPA 524.2
- * THM ANALYTE GROUP - EPA 551.1

Volatile Organic Compounds (VOC)

- * VOCS, REGULATED ANALYTE GROUP - EPA 502.2
- * VOCS, REGULATED ANALYTE GROUP - EPA 524.2

Matrix: Solid

Colorimetric or Nephelometric (turbidimetric)

- Chloride
- Chromium (Hexavalent)
- Cyanide, Amenable
- Cyanide, Total
- Nitrate
- Nitrate + Nitrite
- Nitrite
- Orthophosphate
- Phenolics, Total
- Phosphorus, Total
- Sulfate
- Sulfide

Electrometric Assays (probe, ISE)

- Fluoride

Gravimetric Assays - Residue (solids)

- Residue, Total

Titrimetric or Potentiometric Titration Assays

- Ammonia as N
- Chemical Oxygen Demand
- Chloride
- Kjeldahl Nitrogen, Total
- Sulfide
- Sulfides, Acid-Soluble and Acid-Insoluble

Cold Vapor Atomic Absorption or Hydride Spectrometry

- Mercury

Flame Atomic Absorption Spectrophotometry

- Cadmium
- Calcium
- Chromium (Total)
- Copper
- Iron
- Lead

- Magnesium
- Manganese
- Nickel
- Potassium
- Silver
- Sodium
- Zinc

Graphite Furnace Atomic Absorption Spectrometry

- Arsenic
- Molybdenum
- Selenium

Inductively Coupled Plasma Emission Spectrometry (ICP)

- Aluminum
- Antimony
- Arsenic
- Barium
- Beryllium
- Boron
- Cadmium
- Calcium
- Chromium (Total)
- Cobalt
- Copper
- Iron
- Lead
- Magnesium
- Manganese
- Molybdenum
- Nickel
- Potassium
- Selenium
- Silicon
- Silver
- Sodium
- Strontium
- Thallium
- Tin
- Titanium
- Vanadium
- Zinc

Gas Chromatography (GC)

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- 1,4-Dinitrobenzene
- 1,4-Naphthoquinone
- 2,3,4,6-Tetrachlorophenol
- 2,4,5-T
- 2,4,5-TP (Silvex)
- 2,4,5-Trichlorophenol
- 2,4,6-Trichlorophenol
- 2,4-D
- 2,4-DB
- 2,4-DB Salts and Esters
- 2,4-Dichlorophenol
- 2,4-Dimethylphenol
- 2,6-Dichlorophenol
- 2-Chlorophenol
- 2-Cyclohexyl-4,6-dinitro-phenol
- 2-Methylphenol (o-Cresol)
- 2-Nitrophenol
- 3,5-Dichlorobenzoic acid
- 3-Methylphenol (m-Cresol)
- 4,6-Dinitro-2-methylphenol
- 4-Bromophenyl phenyl ether

- 4-Chloro-3-methylphenol (4-Chloro-m-cresol)
- 4-Chlorophenol
- 4-Methylphenol (p-Cresol)
- 4-Nitrophenol
- 5-Hydroxydicamba
- Acephate
- Acifluorfen
- Alachlor
- Ametryn
- Aspon
- Atraton
- Atrazine
- Azinphos Ethyl
- Azinphos Methyl
- Benfluralin
- Bentazon
- Benzyl Butyl Phthalate
- Benzyl chloride
- Bis(2-chloroethoxy)methane
- Bis(2-chloroethyl) ether
- Bis(2-chloroisopropyl) ether
- Bis(2-ethylhexyl)phthalate
- Bolstar
- Bromacil (salts and Esters)
- Bromoxynil Octanoate
- Butachlor
- Carbophenothion
- Chloramben
- Chlorfenvinphos
- Chlorothalonil
- Chlorpyrifos
- Chlorpyrifos Methyl
- Coumaphos
- Crotoxyphos
- Cyanazine
- Dacthal (DCPA)
- Dalapon
- DEF
- Deisopropylatrazine
- Demeton-O
- Demeton-S
- Desethylatrazine
- Diaminoatrazine
- Diazinon
- Dicamba
- Dichlofenthion
- Dichlorprop Salts and Esters
- Dichlorvos
- Dicrotophos
- Diesel Range Organics (DRO)
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 - Propachlor
 - Propanil
 - Propazine
 - Ronnel
 - Simazine
 - Stirofos
 - Sulfotepp
 - TEPP
 - Terbufos
 - Terbutryn
 - Tetrachlorvinphos
 - Thionazin (Zinophos)
 - Tokuthion (Protothiofos)
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 - Trichloronate
 - Trichlorphon
 - Trifluralin
 - Tri-o-cresylphosphate (TOCP)
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- Dioxathion
- Disulfoton
- EPN
- Ethalfluralin
- Ethion
- Ethoprop
- Famphur
- Fenarimol
- Fenitrothion
- Fensulfothion
- Fenthion
- Fonophos
- Hexamethylphosphoramide
- Isopropalin
- Leptophos
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 - Simazine
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 - Sulfotepp
 - TEPP
 - Terbufos
 - Terbutryn
 - Tetrachlorvinphos
 - Thionazin (Zinophos)
 - Tokuthion (Protothiofos)
 - Triadimefon
 - Trichloronate
 - Trichlorphon
 - Trifluralin
 - Tri-o-cresylphosphate (TOCP)
- [Waste Characterization Extractions](#)
- EPTOX Extraction
 - SPLP Extraction
 - TCLP Extraction
- [Waste Characterization Assays](#)
- Corrosivity, Liquids
 - Ignitability of Solids
 - Ignitability, Pensky-Martens Closed Cup
 - Waste Analysis, Other