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Phone: (715) 478-2777  
Commercial 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
- Chlorophyll
- Chromium (Hexavalent)
- Cyanide, Amenable
- Cyanide, Total
- Kjeldahl Nitrogen, Total
- Nitrate
- Nitrate + Nitrite
- Nitrite
- Orthophosphate
- Phenolics, Total
- Phosphorus, Total
- Silica
- Surfactants

Combustion or Oxidation

- Organic Carbon, Total (TOC)

Electrometric Assays (probe, ISE)

- Ammonia as N
- Cyanide, Total
- Fluoride
- Kjeldahl Nitrogen, Total
- Nitrate

Gravimetric Assays - Residue (solids)

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

Gravimetric Assays - Hexane Extractable Materials (HEM)

- Oil&Grease, Hexane Ext. Material

Ion Chromatography (IC)

- Bromide
- Chloride
- Fluoride
- Nitrate
- Nitrate + Nitrite
- Nitrite
- Orthophosphate
- Sulfate

Titrimetric or Potentiometric Titration Assays

- Acidity as CaCO<sub>3</sub>
- Alkalinity
- Ammonia as N
- Chemical Oxygen Demand
- Hardness, Total as CaCO<sub>3</sub>
- Kjeldahl Nitrogen, Total
- Sulfide
- Sulfite

Cold Vapor Atomic Absorption or Hydride

Spectrometry

- Mercury

Graphite Furnace Atomic Absorption Spectrometry

- Antimony
- Arsenic
- Cadmium

- Chromium (Total)
- Copper
- Lead
- Selenium
- Silver
- Thallium

Inductively Coupled Plasma Emission Spectrometry (ICP)

- Aluminum
- Antimony
- Arsenic
- Barium
- Beryllium
- Boron
- Calcium
- Chromium (Total)
- Cobalt
- Copper
- Hardness, Total as CaCO<sub>3</sub>
- Iron
- Lead
- Lithium
- Magnesium
- Manganese
- Molybdenum
- Nickel
- Potassium
- Selenium
- Silver
- Sodium
- Strontium
- Thallium
- Tin
- Titanium
- Vanadium
- Zinc

Inductively Coupled Plasma-Mass Spectrometry (ICP/MS)

- Aluminum
- Antimony
- Arsenic
- Barium
- Beryllium
- Cadmium
- Chromium (Total)
- Cobalt
- Copper
- Iron
- Lead
- Lithium
- Magnesium
- Manganese
- Mercury
- Molybdenum
- Nickel
- Selenium
- Silver
- Thallium
- Vanadium
- Zinc

Ultra-Low Level Metals Assays

- Mercury

Gas Chromatography (GC)

- \* PCB as AROCLORS ANALYTE GROUP
- \* PESTICIDES, ORGANOCHLORINE ANALYTE GROUP
- 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
- Diesel Range Organics (DRO)
- Dimethoate
- Dioxathion
- Disulfoton
- EPN
- Ethalfuralin
- Ethion
- Ethoprop
- Famphur
- Fenarimol
- Fenitrothion
- Fensulfothion
- Fenthion
- Fonophos
- Gasoline Range Organics (GRO)
- Hexamethylphosphoramide
- Isopropalin
- Leptophos
- Malathion
- Merphos
- Methamidophos
- Metribuzin
- Mevinphos
- Monocrotophos

- Naled
- 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 (Prothiofos)
- Triadimefon
- Trichloronate
- Trichlorphon
- Trifluralin
- Tri-o-cresylphosphate (TOCP)

Gas Chromatography-Mass Spectrometry (GC/MS)

- \* BNA ANALYTE GROUP
- \* PAH ANALYTE GROUP
- \* VOC ANALYTE GROUP
- 1,3,5-Trinitrobenzene
- 1,3-Dinitrobenzene
- 2,4-Dinitrotoluene
- 2,6-Dinitrotoluene
- Nitrobenzene
- Petroleum Volatile Organic Compounds (PVOC)

**Matrix: Drinking Water**

Disinfection Byproducts

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

Primary Inorganic Contaminants (Non-Metals)

- Cyanide - EPA 335.4
- Fluoride - Std Methods 4500F- C (18,19, or 20)
- Nitrate - EPA 353.2
- Nitrate + Nitrite - EPA 353.2
- Nitrite - Std Methods 4500-NO2- B (18,19, or 20)

Primary Inorganic Contaminants (Metals)

- Antimony - EPA 200.8
- Antimony - Std Methods 3113B (18 or 19)
- Arsenic - EPA 200.8
- Arsenic - Std Methods 3113B (18 or 19)
- Barium - EPA 200.7
- Barium - EPA 200.8
- Beryllium - EPA 200.7
- Beryllium - EPA 200.8
- Cadmium - EPA 200.7
- Cadmium - EPA 200.8
- Chromium - EPA 200.7
- Chromium - EPA 200.8

- Copper - EPA 200.7
- Copper - EPA 200.8
- Lead - EPA 200.8
- Lead - Std Methods 3113B (18 or 19)
- Mercury - EPA 200.8
- Mercury - EPA 245.1
- Nickel - EPA 200.7
- Nickel - EPA 200.8
- Selenium - EPA 200.8
- Selenium - Std Methods 3113B (18 or 19)
- Thallium - EPA 200.8
- Thallium - EPA 200.9

Secondary Contaminants (Non-Metals)

- Sulfate - EPA 300.0

Secondary Contaminants (Metals)

- Sodium - EPA 200.7
- SOC - Organochlorine Pesticides
- Chlordane - EPA 505
- Endrin - EPA 525.2
- Heptachlor - EPA 525.2
- Heptachlor epoxide - EPA 525.2
- Lindane (gamma-BHC) - EPA 525.2
- Methoxychlor - EPA 525.2
- Toxaphene - EPA 505

SOC - N/P Pesticides

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

SOC - Miscellaneous

- Benzo(a)pyrene - EPA 525.2
- Carbofuran - EPA 531.1
- Di(2-ethylhexyl)adipate - EPA 525.2
- Di(2-ethylhexyl)phthalate - EPA 525.2
- Dibromochloropropane (DBCP) - EPA 504.1
- Diquat - EPA 549.2
- Endothall - EPA 548.1
- Ethylene Dibromide (EDB) - EPA 504.1
- Glyphosate - EPA 547
- Hexachlorobenzene - EPA 525.2
- Hexachlorocyclopentadiene - EPA 525.2
- Oxamyl (Vydate) - EPA 531.1
- PCBs (as Decachlorobiphenyl) - EPA 508A

Trihalomethanes (THM)

- \* THM ANALYTE GROUP - EPA 524.2

Volatile Organic Compounds (VOC)

- \* VOCS, REGULATED ANALYTE GROUP - EPA 524.2

**Matrix: Solid**

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- [Waste Characterization Extractions](#)
- EPTOX Extraction
- SPLP Extraction
- TCLP Extraction
- [Waste Characterization Assays](#)
- Ignitability of Solids