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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
- Chemical Oxygen Demand
- Chromium (Hexavalent)
- Cyanide, Amenable
- Cyanide, Total
- Fluoride
- Kjeldahl Nitrogen, Total
- Orthophosphate
- Phenolics, Total
- Phosphorus, Total
- Silica

Electrometric Assays (probe, ISE)

- Ammonia as N

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 CaCO₃
- Alkalinity
- Chloride
- Cyanide, Amenable
- Cyanide, Total
- Hardness, Total as CaCO₃
- Kjeldahl Nitrogen, Total
- Sulfide

Flame Atomic Absorption Spectrophotometry

- Silver

Graphite Furnace Atomic Absorption Spectrometry

- Antimony
- Arsenic
- Lead
- Selenium
- Thallium

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
- Silver
- Sodium
- Strontium
- Thallium
- Tin
- Vanadium
- Zinc

Whole Effluent Toxicity Assays

- Acute Tox - Ceriodaphnia dubia
- Acute Tox - Pimephales promelas
- Chronic Tox - Ceriodaphnia dubia
- Chronic Tox - Pimephales promelas
- Chronic Tox - Selanastrum capricornutum

Cold Vapor Atomic Fluorescence Spectrometry (CVAFS)

- Mercury

Matrix: Drinking Water

Primary Inorganic Contaminants (Non-Metals)

- Nitrate - EPA 300.0
- Nitrate + Nitrite - EPA 300.0
- Nitrite - EPA 300.0

Primary Inorganic Contaminants (Metals)

- Copper - Std Methods 3111B (18 or 19)
- Lead - Std Methods 3113B (18 or 19)

Matrix: Solid

Colorimetric or Nephelometric (turbidimetric)

- Ammonia as N
- Chromium (Hexavalent)
- Cyanide, Amenable
- Cyanide, Total
- Fluoride
- Kjeldahl Nitrogen, Total
- Orthophosphate
- Phenolics, Total
- Phosphorus, Total

Electrometric Assays (probe, ISE)

- Ammonia as N

Gravimetric Assays - Residue (solids)

- Residue, Total

Ion Chromatography (IC)

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

Titrimetric or Potentiometric Titration Assays

- Chloride
- Cyanide, Amenable
- Cyanide, Total
- Kjeldahl Nitrogen, Total
- Sulfide

Flame Atomic Absorption Spectrophotometry

- Silver

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
- Silver
- Sodium
- Strontium
- Thallium
- Tin
- Vanadium
- Zinc

Waste Characterization Extractions

- TCLP Extraction

Waste Characterization Assays

- Ignitability, Pensky-Martens Closed Cup
- Ignitability, Setflash Closed Cup

Cold Vapor Atomic Fluorescence Spectrometry (CVAFS)

- Mercury