



TESTS PERFORMED

Total Coliform & E. Coli Bacteria

Fecal Coliform

pH

Conductivity

Acidity

Total Alkalinity as CaCO₃

Bicarbonate Alkalinity as CaCO₃

Carbonate Alkalinity as CaCO₃

Hydroxide Ion Alkalinity as CaCO₃

Residual Chlorine

Total Dissolved Solids (TDS)

Total Suspended Solids (TSS)

Total Solids

Biological Oxygen Demand (BOD)

Carbonaceous Biological Oxygen Demand (CBOD)

Chemical Oxygen Demand (COD)

Chloride

Nitrate

Nitrite

Sulfide

Sulfate

Ammonia Nitrogen

Surfactants (MBAS)

Total Phosphorus

Phenolics

Metals (including Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Calcium, Cobalt, Copper, Iron, Lead, Lithium, Magnesium, Manganese, Molybdenum, Mercury, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium and Zinc)

Amenable Cyanide

Total Cyanide

Volatile Organic Compounds (VOC's) 56 compounds including BTEX

Semivolatile Organic Compounds (SVOC's) 60 Compounds including 16 PAH's

PCB Aroclor's

Dissolved Gases in Water (Methane, Ethane, Propane, n-Butane)

All UST related services including groundwater analysis

TPH

Oil & Grease/TCLP Waste Characterization

Flashpoint (Ignitability)

Reactive Cyanide

Reactive Sulfide

Heat Value (BTU/LB)

Paint Filter Liquids Test

ASTM Leachate Extraction

Total, Fixed and Volatile Residue

Karl Fischer Moisture

Ash

Form 43 Analysis

Tier 1, 2, and 3 testing (Penn State parameters) for Oil & Gas Well Testing

PA DEP Oil & Gas Parameters

Inorganics

Acidity as CaCO₃ SM 2310 B

Alkalinity, Total as CaCO₃ SM 2320 B

Alkalinity, Bicarbonate as CaCO₃ SM 2320 B

Alkalinity, Carbonate as CaCO₃ SM 2320 B

Alkalinity, Hydroxide as CaCO₃ SM 2320 B

Ammonia as N SM 4500 NH₃ B

Ash, Total ASTM D482

ASTM Leachate ASTM D3987

Biochemical Oxygen Demand (BOD) SM 5210 B

Carbonaceous Biochemical Oxygen Demand (CBOD) SM 5210 B

Chemical Oxygen Demand (COD) HACH 8000

Chloride EPA 9212

Chlorine, Total in New and Used Petroleum Products EPA 9077C

Conductivity SM 2510 B

Cyanide, Total SM 4500 CN- C, E

Cyanide, Amenable SM 4500 CN- C, G

Cyanide, Weak Acid Dissociable SM 4500 CN- C, I

Fecal Coliforms SM 9222 D

Flashpoint Ignitability EPA 1010

Fluoride SM 4500 F- C

Hardness SM 2340 B

Heat Value, BTU/LB ASTM D240

Hexavalent Chromium EPA 7196A

Karl Fischer Moisture ASTM D1744

MBAS Surfactants SM 5540 C

Mercury Cold Vapor EPA 245.1 EPA 7470 ASTM D3684

Metals FLAA SM 3111B

Metals GFAA SM 3113B EPA 200.9 EPA 7060 EPA 7740 EPA 7841
Metals ICP/OES EPA 200.7 EPA 6010B
Nitrate SM 4500 NO3- D
Nitrite SM 4500 NO2- B
Oil & Grease EPA 1664A EPA 413.2
Paint Filter Liquids Test EPA 9095
pH SM 4500 H+ B EPA 150.1 EPA 9040 EPA 9045
Phenolics, Total EPA 420.1 EPA 9065
Phosphorus, Total SM 4500 P E
Reactive Cyanide EPA 7.3.3.2
Reactive Sulfide EPA 7.3.4.2
Settleable Solids SM 2540 F
SPLP Extraction EPA 1312
Sulfate SM 4500 SO42- D
Sulfide SM 4500 S2- F EPA 9034
TCLP Extraction EPA 1311
Total Coliforms E. Coli Colitag
Total Dissolved Solids SM 2540 C EPA 160.1
Total, Fixed, and Volatile Residue SM 2540 G
Total Petroleum Hydrocarbons EPA 418.1
Total Residual Chlorine SM 4500 CL- G
Total Solids SM 2540 B EPA 160.3
Total Suspended Solids SM 2540 D EPA 160.2
Turbidity SM 2130 B
Volatile Residue EPA 160.4 SM 2540 E