



Texas Research Institute for Environmental Studies (TRIES)
Analytical Laboratory
Sam Houston State University
 2424 Sam Houston Ave B8/ Box 2506
 Huntsville, Texas 77340
 Phone: (936)294-3979 Fax (936)294-3822



Laboratory Services Price List

Soil Tests

Test parameter	Price	Matrix
Ag Soil Basic (pH, conductance, nitrate-N, plant available phosphorus, potassium, calcium, magnesium, sodium, sulfur, Lime, Buffer pH, Recommendations)	\$15.00	sw
Ag Soil Comprehensive (pH, conductance, nitrate-N, plant available phosphorus, potassium, calcium, magnesium, sodium, sulfur, copper, iron, manganese, zinc, boron, Lime, Buffer pH, Recommendations)	\$20.00	sw
Water saturated metals (calcium, magnesium, sodium, SAR)	\$34.00	sw
Gypsum	\$20.00	sw
Organic Matter	\$20.00	sw
Particle Size Distribution (sieve)	\$65.00	sw
Texture (%Sand, Silt, Clay)	\$20.00	sw
Plasticity Index	\$30.00	sw
Proctor Compaction	\$50.00	sw
Bulk Density	\$10.00	sw

Water Tests

Test parameter	Price	Matrix
Ag Water Basic (conductance, pH, boron, sodium, calcium, magnesium, potassium, carbonate, bicarbonate, sulfate, chloride, nitrate-N, Hardness, SAR)	\$25.00	aq
Ag Water Comprehensive (conductance, pH, boron, sodium, calcium, magnesium, potassium, carbonate, bicarbonate, sulfate, chloride, nitrate-N, Hardness, SAR, zinc, iron, copper, manganese, phosphorus, arsenic, barium, nickel, cadmium, lead, chromium, fluoride)	\$75.00	aq
Animal Wastewater (Total Nitrogen, phosphorus, potassium, calcium, magnesium, sodium, zinc, manganese, iron, copper)	\$20.00	aq
Home Water Quality (Bacteria-coliform, e. coli-, Nitrate-N, Chloride, Sulfate, Alkalinity, Conductivity, Hardness, pH, Turbidity, TDS, TSS, Calcium, Magnesium, Sodium, Potassium, Phosphorus, Iron, Manganese, Sulfur, Lead, Copper, Corrosivity Index-temperature)	\$50.00	aq



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VA/FHA Water Quality (Bacteria-coliform, <i>e. coli</i> , calcium, copper, Iron, magnesium, manganese, potassium, sodium, alkalinity, chloride, color, conductivity, Hardness, nitrate-N, odor, pH, Total Suspended Solids, Total Dissolved Solids, Sulfate, Turbidity, lead, arsenic, ammonia-N, nitrite-N)	\$150.00	aq
Pond Water Quality (Bacteria-coliform, <i>e. coli</i> , fecal, nitrate-N, chloride, sulfate, nitrite-N, o-phosphate-P, alkalinity, carbonate, bicarbonate, conductivity, Hardness (total and calcium), pH, turbidity, TDS, calcium, copper, iron, magnesium, manganese, potassium, sodium, phosphorus, silica, zinc, ammonia-N, odor, pH, dissolved oxygen, HEM-oil & grease)	\$150.00	aq
Water well panel (Bacteria-Total, iron, manganese, arsenic, total hardness, TDS, turbidity, pH, alkalinity, tannins, sulfate)	\$130.00	aq

Forage Tests

Forage Basic (Moisture, Crude Protein, Acid Detergent Fiber, Neutral Detergent Fiber, Total Digestible Nutrients)	\$15.00	forage
Forage Comprehensive (Moisture, Crude Protein, Acid Detergent Fiber, Neutral Detergent Fiber, Total Digestible Nutrients, phosphorus, potassium, calcium, magnesium, sodium, zinc, iron, copper, manganese, boron, sulfur)	\$25.00	forage
Crude Fat	\$10.00	forage
Leaf Tissue (Total Nitrogen, nitrate-N, phosphorus, potassium, calcium, magnesium, sodium, sulfur, zinc, iron, copper, manganese, boron)	\$30.00	tissue
Manure/Litter (Ammonium-N, moisture, Total Nitrogen, calcium, potassium, magnesium, sodium, phosphorus, copper, iron, manganese, zinc)	\$20.00	sw

Beneficial Land Use Tests

Test parameter	Price	Matrix
TCEQ Appendix B Soil Testing (set of 2)	\$250.00	sw



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Microbiological Tests

Test parameter	Price	Matrix
Fecal Coliform	\$20.00	aq
Total Coliform	\$20.00	aq
<i>E. coli</i> Bacteria	\$20.00	aq
<i>Enterococci</i> Bacteria	\$20.00	aq

Inorganic Compounds Tests

Test parameter	Price	Matrix
Anion Scan (fluoride, chloride, nitrite-N, bromide, nitrate-N, o-phosphate-P, sulfate)	\$150.00	aq/sw
CLP Target Analyte List (TAL) metals (aluminum, antimony, arsenic, barium, beryllium, calcium, cadmium, cobalt, chromium, copper, iron, lead, magnesium, manganese, nickel, potassium, selenium, silver, sodium, thallium, vanadium, zinc, mercury)	\$250.00	aq/sw
Deleterious Matter	\$10.00	sw
Hexavalent Chromium	\$20.00	aq/sw
ICP metals (ea)	\$14.00	aq/sw
Mercury	\$25.00	aq/sw
Priority Pollutant List (PPL) metals (antimony, arsenic, barium, beryllium, cadmium, chromium, copper, lead, nickel, selenium, silver, thallium, zinc, mercury)	\$140.00	aq/sw
RCRA metals (arsenic, barium, cadmium, chromium, lead, selenium, silver, mercury)	\$95.00	aq/sw
Cyanide, Total and Amenable	\$40.00	aq/sw
Total Nitrogen, Carbon, Hydrogen, Oxygen, Sulfur (ea)	\$45.00	aq/sw
Total Nitrogen, Carbon, Hydrogen, Sulfur	\$90.00	aq/sw
Total Solids (TS)/ moisture	\$15.00	aq/sw

Services

Test parameter	Price
Field sampling (per hour) + \$0.58 per mile	\$20.00
Consulting (per hour)	\$55.00

Organic Compounds Tests

Test parameter	Price	Matrix
Benzene, Toluene, Ethyl Benzene, Xylene (BTEX)	\$85.00	aq/sw



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Carbamate Pesticides-HPLC	\$285.00	aq/sw
Chlorinated Herbicides	\$150.00	aq/sw
Explosives	\$225.00	aq/sw
Explosives (ea)	\$65.00	aq/sw
GC-FID	\$85.00	aq/sw
GCMS scan	\$100.00	aq/sw
Fatty Acid Methyl Esters	\$220.00	aq/sw
FTIR scan	\$45.00	aq/sw
Glyphosate Herbicide-HPLC	\$240.00	aq
Methyl- <i>tert</i> -butyl ether (MTBE)	\$85.00	aq/sw
Organochlorine Pesticides-GC/MS	\$150.00	aq/sw
Pesticides-GCMS	\$275.00	aq/sw
Phenols-GC/MS	\$200.00	aq/sw
Polychlorinated Biphenyls (PCB)-GC/MS	\$125.00	aq/sw
Polynuclear Aromatic Hydrocarbons (PAH)-GCMS	\$210.00	aq/sw
Polynuclear Aromatic Hydrocarbons (PAH)-HPLC	\$210.00	aq/sw
Semi-volatile Organic Compounds-GC/MS	\$370.00	aq/sw
Silica Gel Treated Hexane Extractable Material-TPH	\$75.00	aq/sw
Total Petroleum Hydrocarbons (TPH)-GC	\$80.00	aq/sw
Total Phenolics	\$40.00	aq/sw
Volatile Organic Compounds-GC/MS	\$265.00	aq/sw
Volatile Fatty Acids (acetate, formate, propionate, valerate, oxalate, lactate, butyrate)	\$96.25	aq/sw

Waste Characterization Tests

Test parameter	Price	Matrix
Paint Filter Liquid	\$15.00	sw
TCLP Chlorinated Pesticides (includes extraction)	\$200.00	aq/sw
TCLP Herbicides (includes extraction)	\$200.00	aq/sw
TCLP Metals (includes extraction)	\$160.00	aq/sw
TCLP Semivolatiles (includes extraction)	\$370.00	aq/sw

Water Quality Tests

Test parameter	Price	Matrix
Acidity	\$15.00	aq
Alkalinity	\$15.00	aq



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Ammonia-Nitrogen	\$25.00	aq/sw
Anion-Cation Balance (calcium, iron, potassium, magnesium, sodium, alkalinity, chloride, fluoride, nitrate, sulfate)	\$125.00	aq
Anionic Surfactants	\$35.00	aq
Anions -each (fluoride, chloride, nitrite-N, bromide, nitrate-N, o-phosphate-P, sulfate)	\$35.00	aq/sw
Anions -individual (Bromate, Chlorate, Chlorite, Iodide)	\$44.00	aq/sw
Biochemical Oxygen Demand (BOD)	\$15.00	aq
Carbonaceous Biochemical Oxygen Demand (CBOD)	\$15.00	aq
Carbon Dioxide	\$20.00	aq
Chemical Oxygen Demand (COD)	\$25.00	aq/sw
Chloride, Titrimetric	\$45.00	aq/sw
Color	\$15.00	aq
Conductance	\$15.00	aq/sw
Corrosivity Index (calcium, magnesium, sodium, potassium, chloride, alkalinity, sulfate, pH, Temperature)	\$130.00	aq
Density	\$15.00	aq
Dissolved Oxygen (DO)	\$15.00	aq
Hardness (total, calcium)	\$15.00	aq
Hexane Extractable Material (HEM) -Oil & Grease	\$50.00	aq/sw
Odor	\$15.00	aq
Oxidation-Reduction Potential (ORP)	\$15.00	aq/sw
pH	\$5.00	aq/sw
Mixed Liquor Suspended Solids (MLSS)	\$15.00	aq
Mixed Liquor Volatile Suspended Solids (MLVSS)	\$15.00	aq
Salinity	\$20.00	aq/sw
Settleable Solids	\$12.50	aq
Specific Gravity	\$15.00	aq/sw
Sulfide	\$25.00	aq/sw
Sulfite	\$35.00	aq/sw
Tannin and Lignin	\$25.00	aq
Total Carbon, Organic Carbon	\$45.00	aq/sw
Total Dissolved Solids (TDS)	\$15.00	aq
Total Residual Chlorine	\$20.00	aq
Total Solids (TS)	\$15.00	aq/sw
Total Suspended Solids (TSS)	\$15.00	aq
Total Volatile Solids (TVS)	\$15.00	aq



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Turbidity	\$15.00	aq
Viscosity	\$15.00	aq
Volatile Dissolved Solids	\$20.00	aq
Volatile Suspended Solids (VSS)	\$15.00	aq

aq= liquid type material sw= solid material