Water Quality Laboratory

Kansas State University
https://www.k-state.edu/water-institute/water-quality-lab/

KANSAS STATE UNIVERSITY
Kansas Water Institute

Sample Submittal Form – Water - INTERNAL Research

Ship or delivery sample(s) to:

Water Quality Lab – Kansas State University
1712 Claflin Road
2404 Throckmorton Hall
Manhattan, KS 66506
Phone: 785-532-3909 Email: wql@ksu.edu

(For laboratory use)

Lab Number:

General Information: Contact Name: _____ Date: _____

Organization/Department_____ Funding Source: _____

Street Address: _____City: _____ State: _____ Zip Code: _____

Email: _____ Phone: _____

Sample Name _____ Number of samples: _____

Matrix Type: ☐ Water ☐ Wastewater ☐ Extracts

Return Sample: ☐ YES ☐ NO Date Results Needed:_____

Payment Method: ☐ By check (Check Number:_____) ☐ By card ☐ By invoice

Tests with price $xx will be offered in the future because the lab is currently under development.

Physical & Chemical Parameters:

☐ $4 pH
☐ $4 Conductivity (EC)
☐ $9 Alkalinity as $CaCO_3$
☐ $7 Hardness (calculated from Ca and Mg)
☐ $8 Turbidity
☐ $4 Total Dissolved Solids (TDS)
☐ $6.25 Total Suspended Solids (TSS)
☐ $42 Dissolved Organic Carbon (DOC)
☐ $36 Total Organic Carbon (TOC)
☐ $24 Biological Oxygen Demand (BOD)
☐ $23.50 Chemical Oxygen Demand (COD)
☐ $1.75 Dissolved Ortho-P (colorimetric)
☐ $24 Ammonia
☐ $41 Total Kjeldahl N (TKN)
☐ $8.25 Total N & P

☐ $12 Trace Elements on ICP-MS/MS* (☐Al, ☐As, ☐Ag ☐B, ☐Ba, ☐Be, ☐Cd, ☐Co, ☐Cr, ☐Cu, ☐Fe, ☐Hg ☐Mn, ☐Mo, ☐Ni, ☐Pb, ☐Se, ☐Ti, ☐V, ☐U, ☐Zn)
☐ $14 (1st anion) or $21(all) Full anions suite on IC ☐F, ☐Cl, ☐NO_2-N, ☐SO_4, ☐Br, ☐NO_3-N, ☐PO_4
☐ $14 (1st element) or $20 (all) Full cations suite on IC ☐Na, ☐NH_4, ☐K, ☐Mg, ☐Ca,☐Sr
☐ $2.75 (1st element) and $1.50 (each add'l) Major elements on ICP-OES* (☐Ca, ☐Mg, ☐Na, ☐K, ☐Zn, ☐Fe,☐Cu, ☐Mn, ☐S, ☐P)
☐ $xxx As Speciation using HPLC-ICP MS
☐ $xxx Se Speciation using HPLC-ICP MS
*Contact WQL for additional elements

Emerging & Organic Contaminants:

☐ $218 PFAS - EPA 1633
☐ $82 PFAS direct injection
☐ $67 Agricultural herbicides/insecticides panel
☐ $74 Glyphosate panel
☐ $xxx Volatile organic compounds
☐ $xxx Septic tracers (artificial sweeteners)
☐ $97.50 Microplastics (Clear water)

Biological Parameters: (Contact laboratory for sterile containers and use next-day shipping)

☐ $30 Quantifying Coliforms
☐ $30 Quantifying *E. coli*

Stable Isotopes:

☐ $10 $\delta^{2}H$ and $\delta^{18}O$
☐ $xx $\delta\ ^{17}O$

Analytical Packages: All analytical packages require 0.5 L (16.9 oz.) of sample volume.

Analytical Package	Price	Parameters Included
Irrigation	☐ $86	EC, pH, NO_3-N, SO_4, Cl, Ca, Mg, Na, K, Fe, Mn, B, TDS, Alkalinity, Hardness, Sodium Adsorption Ratio (SAR), Aggressive Index
Domestic	☐ $146	EC, pH, NO_3-N, SO_4, F, Cl, Ca, Mg, Na, K, P, Fe, Mn, Pb, As, Ba, Cu, Cr, Se, U, Ni, TDS, Hardness, Total Coliforms, *E. coli*, Alkalinity, Conductivity, Corrosivity
Livestock & Poultry	☐ $68	EC, pH, NO_3-N, SO_4, Cl, Ca, Mg, Na, K, Fe, Mn, Pb, As, TDS, Hardness
Fish Pond	☐ $81	EC, pH, NO_3-N, NO_2-N, F, Cl, SO_4, PO_4, NH_4-N, Ca, Mg, Na, K, Fe, Mn, Pb, As, TDS, Alkalinity, Hardness
Brewers Water Test	☐ $64	EC, pH, NO_3-N, SO_4, Ca, Mg, K, Na, Cl, Fe, TDS, Hardness, Alkalinity, Carbonate, Bicarbonate
Wine Water Test	☐ $49	Turbidity, pH, Ca, Fe, Mn, Al, Si, Alkalinity, Carbonate, Hardness
Hydroponic Test	☐ $85	EC, pH, NH_4-N, NO_3-N, SO_4, B, Ca, Mg, Na, Cu, Fe, Mn, Mo, Zn, TN, TP, Alkalinity, Carbonate, Bicarbonate

Additional Charges for Sample Preparation:

☐ $15 Microwave digestion for ICP-OES and ICP-MS
☐ $3 Water filtration with 0.45 µm Filter

***Note**: Testing performed by the Kansas State University Water Quality Lab is intended for screening, research, and/or informational purposes only. Results should not be used to certify compliance purposes.*