Water Quality Laboratory

Kansas State University
www.k-state.edu/engagement/interdisciplinary-institutes/water-institute/wq-lab/

KANSAS STATE UNIVERSITY
Kansas Water Institute

Sample Submittal Form – Water - EXTERNAL 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:

☐ $6 pH
☐ $6 Conductivity (EC)
☐ $13 Alkalinity as $CaCO_3$
☐ $11 Hardness (calculated from Ca and Mg)
☐ $12 Turbidity
☐ $6 Total Dissolved Solids (TDS)
☐ $9.50Total Suspended Solids (TSS)
☐ $26 Dissolved Organic Carbon (DOC)
☐ $18 Total Organic Carbon (TOC)
☐ $xx Biological Oxygen Demand (BOD)
☐ $xx Chemical Oxygen Demand (COD)
☐ $2.75 Dissolved Ortho-P (colorimetric)
☐ $12.50 Total P & N
☐ $xx Total Kjeldhal N (TKN)

☐ $18 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)
☐ $22 (1st Anion) or $31(all) Full Anions Suite on IC ☐ F, ☐Cl, ☐NO_2-N, ☐SO_4, ☐Br, ☐NO_3-N, ☐PO_4
☐ $21 (1st element) or $31 (all) Full Cations Suite on IC ☐Na, ☐NH_4, ☐K, ☐Mg, ☐Ca,☐Sr
☐ $4 (1st element) and $2.25 (each add'l) Major Elements on ICP-OES* (☐Ca, ☐Mg, ☐Na, ☐K, ☐Zn, ☐Fe,☐Cu, ☐Mn, ☐S)
☐ $xxx As Speciation using HPLC-ICP MS
☐ $xxx Se Speciation using HPLC-ICP MS

* Contact WQL for additional elements

Emerging & Organic Contaminants:

☐ $334 PFAS - EPA 1633
☐ $98 Agricultural herbicide/insecticide panel
☐ $146.25 Microplastics (Clear water)
☐ $126 PFAS direct injection
☐ $109 Glyphosate panel
☐ $xxx Volatile organic compounds
☐ $xxx Septic tracers (artificial sweeteners)

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

☐ $40 Quantifying Coliforms
☐ $40 Quantifying Enterococci
☐ $50 Isolation of Salmonella and PCR confirmation
☐ $50 Isolation of Listeria and PCR confirmation
☐ $40 Quantifying *E. coli*
☐ $40 Quantifying *Pseudomonas aeruginosa*
☐ $50 Isolation of *E. coli* and PCR confirmation

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	☐ $130	EC, pH, NO_3-N, SO_4, Cl, Ca, Mg, Na, K, Fe, Mn, B, TDS, Alkalinity, Hardness, Sodium Adsorption Ratio (SAR), Corrosivity
Domestic	☐ $169	EC, pH, NO_3-N, SO_4, F, Ca, Mg, Na, Fe, Mn, Pb, As, U, TDS, Hardness, Total Coliforms, *E. coli*
Livestock & Poultry	☐ $102	EC, pH, NO_3-N, SO_4, Cl, Ca, Mg, Na, K, Fe, Mn, Pb, As, TDS, Hardness
Fish Pond	☐ $122	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	☐ $97	EC, pH, NO_3-N, SO_4, Ca, Mg, K, Na, Cl, Fe, TDS, Hardness, Alkalinity, Carbonate, Bicarbonate
Wine Water Test	☐ $75	Turbidity, pH, Ca, Fe, Mn, Al, Si, Alkalinity, Carbonate, Hardness
Hydroponic Test	☐ $129	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:

☐ $7 Total acid digestion for ICP-OES and ICP-MS
☐ $4.50 Water filtration with 0.45 µm Filter