Water Quality Laboratory

Kansas State University
(WQL Website)

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 66505
Phone: 785-532-5519 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:

☐ $2.75 pH
☐ $2.75 Conductivity (EC)
☐ $ Alkalinity as $CaCO_3$
☐ $ Hardness (calculated from Ca and Mg)
☐ $ Turbidity
☐ $3.750 Total Dissolved Solids (TDS)
☐ $4.50 Total Suspended Solids (TSS)
☐ $xx Dissolved Organic Carbon (DOC)
☐ $xx Total Organic Carbon (TOC)
☐ $xx Biological Oxygen Demand (BOD)
☐ $xx Chemical Oxygen Demand (COD
☐ $3 Dissolved NO_3-N or ☐ NH_4-N (both $3.25)
☐ $2.50 Dissolved Ortho-P (colorimetric)

☐ Full Anions Suit on IC (1st anion is $22 & all additional are $31 (☐F, ☐Cl, ☐$NO_2$-N, ☐$SO_4$, ☐Br, ☐$NO_3$-N, ☐$PO_4$
☐ Full Cations Suit on IC (1st element is $21 & all additional are $31 (☐Na, ☐$NH_4$, ☐K, ☐Mg, ☐Ca,☐Sr)
☐ $11 Total P & N
☐ $xx Total Kjeldhal N (TKN)
☐ Major Elements on ICP-OES (1st element is $2.50 & all additional are $1.75 each) (☐Ca, ☐Mg, ☐Na, ☐K, ☐Zn, ☐Fe,☐Cu, ☐Mn, ☐S)
☐ $xx Full ICP-OES Suite* (☐Al, ☐As, ☐B, ☐Ba, ☐Ca ☐Cd, ☐Co, ☐Cr, ☐Cu, ☐Fe,☐K, ☐Mg, ☐S, ☐Mo ☐Na, ☐Ni, ☐Pb, ☐Se, ☐Ti, ☐V, ☐Zn, ☐Mn)

☐ $18 Trace Elements on ICP-MS/MS* (☐Al, ☐As, ☐Ag ☐B, ☐Ba, ☐Be, ☐Cd, ☐Co, ☐Cr, ☐Cu, ☐Fe, ☐Hg ☐Mn, ☐Mo, ☐Ni, ☐Pb, ☐Se, ☐V, ☐U, ☐Zn)

☐ $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

☐ $146.25 Microplastics (Clear water)

☐ $xxx Agricultural Herbicides/Insecticides

☐ $xxx Atrazine Metabolites

☐ $xxx Glyphosate/AMPA

☐ $xxx Acidic Herbicides

☐ $xxx Volatile Organic Compounds

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 δ2H and δ18O

☐ $xx 17O

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

Analytical Package	Price	Parameters Included
Irrigation	☐ $xxx	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	☐ $xxx	EC, pH, NO_3-N, SO_4, F, Ca, Mg, Na, Fe, Mn, Pb, As, U, TDS, Hardness, Total Coliforms, *E.Coli*
Livestock & Poultry	☐ $xxx	EC, pH, NO_3-N, SO_4, Cl, Ca, Mg, Na, K, Fe, Mn, Pb, As, TDS, Hardness
Fish Pond	☐ $xxx	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	☐ $xxx	EC, pH, NO_3-N, SO_4, Ca, Mg, K, Na, Cl, Fe, TDS, Hardness, Alkalinity Carbonate, Bicarbonate
Wine Water Test	☐ $xxx	Turbidity, pH, Ca, Fe, Mn, Al, Si, Alkalinity, Carbonate, Hardness
Hydroponic Test	☐ $xxx	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:

☐ $xx Total Acid Digestion for ICP-OES and ICP-MS

☐ $1.75 Water filtration with Coarse Filter

☐ $4.00 Water filtration with 0.45 µm Filter