

# Water Quality Laboratory

Kansas State University

[www.k-state.edu/water-institute/water-quality-lab/](http://www.k-state.edu/water-institute/water-quality-lab/)

**KANSAS STATE**  
**UNIVERSITY**

Kansas Water Institute

## Sample Submittal Form – Water - INTERNAL Public Service

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](mailto: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:

- |                                                                   |                                                                                                                                                                                                                                                                     |
|-------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <input type="checkbox"/> \$4 pH                                   | <input type="checkbox"/> \$12 Trace elements on ICP-MS/MS* ( <input type="checkbox"/> Al, <input type="checkbox"/> As,                                                                                                                                              |
| <input type="checkbox"/> \$4 Conductivity (EC)                    | <input type="checkbox"/> Ag <input type="checkbox"/> B, <input type="checkbox"/> Ba, <input type="checkbox"/> Be, <input type="checkbox"/> Cd, <input type="checkbox"/> Co, <input type="checkbox"/> Cr, <input type="checkbox"/> Cu,                               |
| <input type="checkbox"/> \$9 Alkalinity as CaCO <sub>3</sub>      | <input type="checkbox"/> Fe, <input type="checkbox"/> Hg <input type="checkbox"/> Mn, <input type="checkbox"/> Mo, <input type="checkbox"/> Ni, <input type="checkbox"/> Pb, <input type="checkbox"/> Se, <input type="checkbox"/> Ti,                              |
| <input type="checkbox"/> \$7 Hardness (calculated from Ca and Mg) | <input type="checkbox"/> V, <input type="checkbox"/> U, <input type="checkbox"/> Zn)                                                                                                                                                                                |
| <input type="checkbox"/> \$8 Turbidity                            | <input type="checkbox"/> \$14 (1 <sup>st</sup> Anion) or \$21(all) Full anions suite on IC                                                                                                                                                                          |
| <input type="checkbox"/> \$4 Total Dissolved Solids (TDS)         | <input type="checkbox"/> F, <input type="checkbox"/> Cl, <input type="checkbox"/> NO <sub>2</sub> -N, <input type="checkbox"/> SO <sub>4</sub> , <input type="checkbox"/> Br, <input type="checkbox"/> NO <sub>3</sub> -N, <input type="checkbox"/> PO <sub>4</sub> |
| <input type="checkbox"/> \$6.25 Total Suspended Solids (TSS)      | <input type="checkbox"/> \$14 (1 <sup>st</sup> element) or \$20 (all) Full cations suite on IC                                                                                                                                                                      |
| <input type="checkbox"/> \$17 Dissolved Organic Carbon (DOC)      | <input type="checkbox"/> Na, <input type="checkbox"/> NH <sub>4</sub> , <input type="checkbox"/> K, <input type="checkbox"/> Mg, <input type="checkbox"/> Ca, <input type="checkbox"/> Sr                                                                           |
| <input type="checkbox"/> \$12 Total Organic Carbon (TOC)          | <input type="checkbox"/> \$2 (1 <sup>st</sup> element) and \$1.25 (each add'l) Major                                                                                                                                                                                |
| <input type="checkbox"/> \$xx Biological Oxygen Demand (BOD)      | elements on ICP-OES ( <input type="checkbox"/> Ca, <input type="checkbox"/> Mg, <input type="checkbox"/> Na, <input type="checkbox"/> K,                                                                                                                            |
| <input type="checkbox"/> \$xx Chemical Oxygen Demand (COD)        | <input type="checkbox"/> Zn, <input type="checkbox"/> Fe, <input type="checkbox"/> Cu, <input type="checkbox"/> Mn, <input type="checkbox"/> S)                                                                                                                     |
| <input type="checkbox"/> \$1.75 Dissolved Ortho-P (colorimetric)  | <input type="checkbox"/> \$xxx As Speciation using HPLC-ICP MS                                                                                                                                                                                                      |
| <input type="checkbox"/> \$8.25 Total P & N                       | <input type="checkbox"/> \$xxx Se Speciation using HPLC-ICP MS                                                                                                                                                                                                      |
| <input type="checkbox"/> \$40 Total Kjeldahl N (TKN)              | * Contact WQL for additional elements                                                                                                                                                                                                                               |

**Emerging & Organic Contaminants:**

- |                                                                       |                                                                        |
|-----------------------------------------------------------------------|------------------------------------------------------------------------|
| <input type="checkbox"/> \$218 PFAS - EPA 1633                        | <input type="checkbox"/> \$64 Agricultural herbicide/insecticide panel |
| <input type="checkbox"/> \$71 Glyphosate panel                        | <input type="checkbox"/> \$xxx Volatile organic compounds              |
| <input type="checkbox"/> \$xxx Septic tracers (artificial sweeteners) | <input type="checkbox"/> \$97.50 Microplastics (Clear water)           |

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

- |                                                                            |                                                                               |
|----------------------------------------------------------------------------|-------------------------------------------------------------------------------|
| <input type="checkbox"/> \$30 Quantifying Coliforms                        | <input type="checkbox"/> \$30 Quantifying <i>E.coli</i>                       |
| <input type="checkbox"/> \$30 Quantifying Enterococci                      | <input type="checkbox"/> \$30 Quantifying <i>Pseudomonas aeruginosa</i>       |
| <input type="checkbox"/> \$40 Isolation of Salmonella and PCR confirmation | <input type="checkbox"/> \$40 Isolation of <i>E.coli</i> and PCR confirmation |
| <input type="checkbox"/> \$40 Isolation of Listeria and PCR confirmation   |                                                                               |

**Stable Isotopes:**

- |                                                                            |                                                     |
|----------------------------------------------------------------------------|-----------------------------------------------------|
| <input type="checkbox"/> \$10 $\delta^2\text{H}$ and $\delta^{18}\text{O}$ | <input type="checkbox"/> \$xx $\delta^{17}\text{O}$ |
|----------------------------------------------------------------------------|-----------------------------------------------------|

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

| Analytical Package  | Price                          | Parameters Included                                                                                                                                                     |
|---------------------|--------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Irrigation          | <input type="checkbox"/> \$86  | EC, pH, NO <sub>3</sub> -N, SO <sub>4</sub> , Cl, Ca, Mg, Na, K, Fe, Mn, B, TDS, Alkalinity, Hardness, Sodium Adsorption Ratio (SAR), Aggressive Index                  |
| Domestic            | <input type="checkbox"/> \$116 | EC, pH, NO <sub>3</sub> -N, SO <sub>4</sub> , F, Ca, Mg, Na, Fe, Mn, Pb, As, U, TDS, Hardness, Total Coliforms, <i>E. coli</i>                                          |
| Livestock & Poultry | <input type="checkbox"/> \$68  | EC, pH, NO <sub>3</sub> -N, SO <sub>4</sub> , Cl, Ca, Mg, Na, K, Fe, Mn, Pb, As, TDS, Hardness                                                                          |
| Fish Pond           | <input type="checkbox"/> \$81  | EC, pH, NO <sub>3</sub> -N, NO <sub>2</sub> -N, F, Cl, SO <sub>4</sub> , PO <sub>4</sub> , NH <sub>4</sub> -N, Ca, Mg, Na, K, Fe, Mn, Pb, As, TDS, Alkalinity, Hardness |
| Brewers Water Test  | <input type="checkbox"/> \$64  | EC, pH, NO <sub>3</sub> -N, SO <sub>4</sub> , Ca, Mg, K, Na, Cl, Fe, TDS, Hardness, Alkalinity, Carbonate, Bicarbonate                                                  |
| Wine Water Test     | <input type="checkbox"/> \$49  | Turbidity, pH, Ca, Fe, Mn, Al, Si, Alkalinity, Carbonate, Hardness                                                                                                      |
| Hydroponic Test     | <input type="checkbox"/> \$85  | EC, pH, NH <sub>4</sub> -N, NO <sub>3</sub> -N, SO <sub>4</sub> , B, Ca, Mg, Na, Cu, Fe, Mn, Mo, Zn, TN, TP, Alkalinity, Carbonate, Bicarbonate                         |

**Additional Charges for Sample Preparation:**

- |                                                                          |                                                                              |
|--------------------------------------------------------------------------|------------------------------------------------------------------------------|
| <input type="checkbox"/> \$15 Microwave digestion for ICP-OES and ICP-MS | <input type="checkbox"/> \$3 Water filtration with 0.45 $\mu\text{m}$ 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.