**Freshwater Research Lab sample analysis pricing**

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|  **Parameter** | **Units** | **Method Reference** | **Reporting Limit** | **Target Holding Time (days)** | **Filtration** | **Preservation** | **Price ($)** | **Combo Price ($)** |
| **NUTRIENTS** |
| Total Phosphorus as P | µg/L | USGS 03-4174, EPA 365.1 | 1.5 | 45 | n.a. | Freeze or 0.2% H2SO4 (v/v) | 28 | 44 |
| Total Nitrogen as N | µg/L | USGS 03-4174, EPA 353.2 | 25.0 | 30 |
| Soluble Reactive Phosphorus | µg/L | EPA 365.1 | 0.8 | 0.45µm | 20 | 32 |
| Nitrate-Nitrite as N | µg/L | EPA 353.2 | 1.5 | 22 |
| Ammonia as N | µg/L | DPA 350.1 | 1.5 | 20 |   |
| Reactive Silica as SiO2 | mg/L | EPA 370.1 | 0.10 | 19 |   |
| Total Organic Carbon | mg/L | EPA 415.1 | 0.10 | n.a. | 0.2% H3PO4 (v/v) | 17 |   |
| Dissolved Organic Carbon | mg/L | EPA 415.1 | 0.10 | 0.45µm | 17 |   |
| **COMMON IONS, OTHER** |
| Chloride | mg/L | EPA 300.1 | 0.025 | 45 | 0.45µm | Freeze or 4oC if analyzed for cations | 22 | 37 |
| Sulfate | mg/L | EPA 300.1 | 0.040 |
| Sodium | mg/L | ASTM D6919-03 | 0.025 | 0.2% HNO3 or 4oC if analyzed for anions | 22 |
| Potassium | mg/L | ASTM D6919-03 | 0.025 |
| Magnesium | mg/L | ASTM D6919-03 | 0.025 |
| Calcium | mg/L | ASTM D6919-03 | 0.050 |
| Alkalinity | mg CaCO3/L | SM 2320-B | 5 | 14 | n.a. |  4oC | 24 |   |
| Total Suspended Solids | mg/L | SM 2540-D | 0.2 | 7 | 24 |   |
| Total Dissolved Solids | mg/L | SM 2540-C | 20 | 7 | 24 |   |
| Turbidity | NTU | SM 2130-B | 0.100 | 48 hours | 15 |   |
| pH | Units | EPA 150.1 | n.a. | 48 hours | 14 |   |
| **Parameter** | **Units** | **Method Reference** | **Reporting Limit** | **Target Holding Time (days)** | **Filtration** | **Preservation** | **Price ($)** | **Combo Price ($)** |
| **BIOMASS** |
| Chlorophyll-a | µg/L | EPA 445.0 | 0.10 | 28 | 0.45µm | 4oC if raw water or Freeze if on filter | 23 |   |
| Ash Free Dry Mass | mg/L | SM 2540-E | 0.5 | GF/F | 22 |   |
| **PATHOGENS** |
| E. Coli | cfu/100mL | HACH 10029 | 1 | 24 hours | n.a. | 4oC | 48 |   |

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| **Filtration:** | Prices listed do not include filtration costs. Samples that need to be filtered in the laboratory upon arrival will be charged an additional $14 per sample (not per parameter). Customers can be trained to field filter as an alternative. |
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| **Bottles/Coolers:** | MMW will ship coolers and bottles from FRL at no cost to customers. Return shipping costs are billed at $15 per cooler. There is no charge to hand deliver samples. \*MMW sample analyses funding can be used to pay for shipping costs. |
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For assistance from MMW contact Dr. Rachel Malison at mmw@flbs.umt.edu or (406) 872-4518, or visit our webpage: <http://flbs.umt.edu/newflbs/outreach/mmw>