

**University of Montana–Geosciences Department
Environmental Biogeochemistry Laboratory**

PRICE LIST FOR SELF AND FULL SERVICE INTERNAL AND EXTERNAL CLIENTS

Effective: October 1, 2025

Page 1

Users are identified as internal users, which are users at the University of Montana (UM), and external users, which are external to UM. Prices for external users also include the cost for shipping samples to the EBL.

For internal users, we offer two levels of service. For self-service, trained users can prepare and analyze samples. For full service, an EBL technician prepares and analyzes samples. The cost for both includes the cost of supplies, standards, and instrument maintenance. The price for full service also includes technician time for prep, analysis, and report production. Prices on this list are guidelines that are subject to change.

Instrument/Analysis	Charge basis	Internal Self	Internal Full	External Full
In-Lab Instrument Use				
ICP-OES analyses (elements in aqueous solutions)				
Multielement analysis (cyclonic nebulizer or cross flow nebulizer)	Sample	\$10.75	\$20.00	\$40.00
ICP-MS analyses (elements in aqueous solutions)				
Multielement analysis (<20 elements per sample)	Sample	\$12.50	\$21.75	\$43.75
Multielement analysis (>20 elements per sample)	Sample	\$15.50	\$25.00	\$50
IC analyses (inorganic and organic anions)				
Instrument incl. AS14 column, suppressor, eluants	hour	\$30.00		
Autosampler vials and caps (plain)	assbly.	\$1.30		
Surcharge for autosampler filter caps	piece	\$0.60		
Test kits				
pH, conductivity, alkalinity, dissolved oxygen, NH ₃ , total suspended sediment	sample day	\$5.00		
Maximum daily charge:		\$30.00		
Analysis of solid samples				
Total CHNS on CE Elemental Analyzer	sample	\$10.00*		
Total CHN on CE Elemental Analyzer	sample	\$6.00*		
Total CN on CE Elemental Analyzer	sample	\$5.50*		
Inorganic C (coulometrically)	sample	\$5.00		
Laser Diffraction Grain Size Analyzer (Mastersizer)	sample	\$5.00		
Hg analysis				
CVAFS analyzer (Leeman)	run	\$10.00		
CVAAS Direct Mercury Analyzer (Milestone)	run	\$15.00		
Dual pre-concentration CVAFS		ask		
Miscellaneous equipment				
Centrifuges	run	\$10.00		
Drying ovens	run	\$10.00		

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Page 2

Instrument/Analysis	Charge Basis	Internal Self	Internal Full	External Full
Miscellaneous procedures				
Hot Block Digestion (EPA method 3050B)	sample	\$8.00		
HCl Extraction	sample	\$5.00		
HF-AR Microwave digestion	sample	\$30.00		
Nitric Microwave digestion	sample	\$8.00	\$13.00	\$26.00
Ultrapure Nitric/H ₂ O ₂ Microwave digestion	sample	\$10.00	\$15.00	\$30.00
Ball mill with zirconia vials for metals analysis	sample	\$8.00		
Laboratory supplies, chemicals, analytical standards, broken equipment, etc.	item	150 % catalog price**		
Others:				
pH meter and probe	day	\$20.00		
Conductivity meter and probe	day	\$30.00		
Dissolved Oxygen meter and probe	day	\$30.00		
Hach alkalinity test kit	day	\$15.00		
Broken/lost electrodes and meters	item	150 % catalog price**		
Consumables such as pH indicators, spent acid cartridges, etc.	item	150 % catalog price**		

* Prices calculated for a minimum of 50 samples, or user assumes costs for consumables. Instrument set-up by user.

** Due to UM accounting fees charged for all transactions made by the EBL. Alternatively, users may purchase the items and provide them to the laboratory.