

**FAU Dept. of Geosciences Water Analysis Laboratory**

*May 2013*

*Explanation of rates*

Rate A: Florida Atlantic University

Rate B: Government Agencies and other Universities

Rate C: Commercial

<b>Service/Analysis</b>		<b>Rate A</b> per sample (minimum charge in parentheses)	<b>Rate B</b> per sample (minimum charge in parentheses)	<b>Rate C</b> per sample (minimum charge in parentheses)
pH (best if done at time of collection)		\$5.00	\$6.50	\$8.45
Alkalinity		\$10.00 (\$50.00)	\$13.00 (\$65.00)	\$16.90 (\$84.50)
Hardness		\$10.00 (\$50.00)	\$13.00 (\$65.00)	\$16.90 (\$84.50)
Acidity		\$10.00 (\$50.00)	\$13.00 (\$65.00)	\$16.90 (\$84.50)
Specific conductance		\$5.00	\$6.50	\$8.45
Anions by discrete analysis	Orthophosphate	\$10.00 (\$50.00)	\$13.00 (\$65.00)	\$16.90 (\$84.50)
	Total phosphorous	\$10.00 (\$50.00)	\$13.00 (\$65.00)	\$16.90 (\$84.50)
	Sulfate	\$11.00 (\$55.00)	\$14.30 (\$71.50)	\$18.59 (\$92.95)
	Nitrate + Nitrite	\$10.00 (\$50.00)	\$13.00 (\$65.00)	\$16.90 (\$84.50)
	Nitrite	\$10.00 (\$50.00)	\$13.00 (\$65.00)	\$16.90 (\$84.50)
	TKN	\$15.00 (\$75.00)	\$19.50 (\$97.50)	\$25.35 (\$126.75)
Elements by ICP-OES	1-15 elements (custom mix)	\$15.00 (\$150.00)	\$19.50 (\$195.00)	\$25.35 (\$250.35)
	16-30 elements (custom mix)	\$25.00 (\$250.00)	\$32.50 (\$320.50)	\$42.25 (\$422.50)
	Major and minor cation pkg. (Ca, Mg, Na, K, Fe, Mn, Si)	\$12.00 (\$120.00)	\$15.60 (\$156.00)	\$20.28 (\$202.80)
	26 element pkg. (Ca, Mg, Na, K, P, Fe, Al, Mn, Cu, Zn, B, Cd, Cr, Ni, Pb, Be, Ti, Si, As, S, Co, Mo, Va, Sr, Rb, Li)	\$20.00 (\$200.00)	\$26.00 (\$260.00)	\$33.80 (\$338.00)
	Additional charge for high TDS samples (conductivity >1000us/cm)	\$5.00	\$5.00	\$5.00
CRDS	Stable isotopes of water ( $\delta^{18}\text{O}$ and $\delta^2\text{H}$ )	\$10.00 (\$50.00)	\$13.00 (\$65.00)	\$16.90 (\$84.50)

<b>Service/Analysis</b>		<b>Rate A</b> per sample (minimum charge in parentheses)	<b>Rate B</b> per sample (minimum charge in parentheses)	<b>Rate C</b> per sample (minimum charge in parentheses)
Soil analysis	pH	\$5.00	\$6.50	\$8.45
	Conductivity	\$7.00	\$9.10	\$11.83
	Loss on ignition	\$8.00 (\$40.00)	\$10.40 (\$52.00)	\$13.52 (\$67.60)
Other services	Thawing	\$2.00	\$2.60	\$3.38
	Filtering (0.45um)	\$5.00	\$6.50	\$8.45
	Dilutions for samples over d.l.	\$2.00	\$2.00	\$2.00

Hourly rates for students/researchers wishing to use the instruments to run their own analyses\*:

Training: \$50/hr (includes technician time and sample analysis)

ICP-OES: \$15/hr

Discrete Analyzer: \$10/hr

CRDS: \$10/hr

High temperature oven (400°C): \$5/24hr; no training fee required to use oven.

*\* Users must 1) be affiliated with FAU, 2) provide proof of completing the EH&S laboratory safety class, and 3) complete user training (at the cost of \$50/hr) from laboratory personnel. Hourly rates apply to instrument time only and do not include use of laboratory accessories (e.g. scales, pipettes, etc.), reagents, reagent prep, or sample/reagent containers. Users are expected to purchase and prepare their own reagents in their own laboratory and supply their own test tubes, vials, etc.*

**The Water Analysis Laboratory is Not Certified under Florida's Environmental Testing Laboratory Program.**