

EcoCore rates from 07/01/2016 through 06/30/2017

	Conditions	CSU		Non-profit		Commercial	
		Client operator (training required) ²	EcoCore operator	Client operator (training required) ²	EcoCore operator	Client operator (training required) ²	EcoCore operator
Elemental Analysis (\$/sample)							
C and N - Solid	<20 Samples	5.25	11.50	6.88	15.07	10.32	22.60
	20-999 Samples	5.25	8.45	6.88	11.07	10.32	16.60
	1000-1999 Samples	5.00	8.20	6.55	10.74	9.83	16.11
	≥2000 Samples	4.70	7.75	6.16	10.15	9.24	15.23
	Difficult Samples ¹	1.15	1.15	1.45	1.45	2.15	2.18
Inorganic C - Solid		included in lab use fee (\$4.60/h)	Inquire	included in lab use fee (6.03/h)	Inquire	included in lab use fee (\$9.05/h)	Inquire
Total or dissolved C and N - Liquid	< 20 Samples	5.05	11.30	6.62	14.80	9.92	22.20
	≥ 20 Samples	5.05	9.10	6.62	11.92	9.92	17.88
	Difficult Samples ¹	+ \$1.15	+ \$2.15	+ \$2.82	+ \$2.82	+ \$4.22	+ \$4.22
Dissolved inorganic C - Liquid	< 20 Samples	5.05	11.70	6.62	15.32	9.92	22.98
	≥ 20 Samples	5.05	9.45	6.62	12.38	9.92	18.57
	Difficult Samples ¹	+ \$1.10	+ \$2.15	+ \$2.82	+ \$2.82	+ \$4.22	+ \$4.22
Nutrient Analysis (\$/sample)							
Inorganic N or P	< 40 Samples	4.30	7.25	5.63	9.49	8.44	14.24
	≥ 40 Samples	2.90	4.10	3.80	5.37	5.69	8.06
	Difficult Samples ¹	1.15	1.15	1.45	1.45	2.15	2.18

Stable Isotope Analysis (\$/sample)							
¹³ C or ¹⁵ N - solids	< 999 Samples	8.65	9.85	11.33	12.90	17.00	19.36
	1000-2999 Samples	7.45	8.65	9.76	11.33	14.64	17.00
	3000-4999 Samples	6.30	7.45	8.25	9.76	12.38	14.64
	≥ 5000 Samples	5.20	6.40	6.81	8.38	10.22	12.58
	Difficult Samples ¹	1.15	1.15	1.45	1.45	2.18	2.18
	Weighing & Encapsulation ⁴	-	+ \$2.25	-	+ \$2.95	-	+ \$4.42
¹³ C - CO ₂	CO ₂ conc >2000 ppm	8.65	11.50	11.33	15.07	17.00	22.60
¹³ C - CO ₂ (<2000 ppm)	CO ₂ conc <2000 ppm	10.10	16.10	13.23	21.09	19.85	31.64
¹⁸ O - water ⁶	10 sample minimum	10.10	11.20	13.23	14.67	19.85	22.01
Compound-specific ¹³ C	Fatty acid methyl esters	51.45	74.30	67.40	97.33	101.10	146.00
	Other ³	inquire	inquire	inquire	inquire	inquire	inquire
Molecular Analysis (\$/run, plate read or sample)							
PCR	\$/run	6.95	-	9.10	-	13.66	-
Q-PCR	\$/run	27.50	-	36.03	-	54.04	-
Plate Reader	\$/plate read	3.45	-	4.52	-	6.78	-
HPLC	\$/sample	4.60	5.75	6.03	7.53	9.05	11.30
Additional Fees / Miscellaneous (\$/h, day, sample)							
Lab Use Fee	\$/h	4.60	-	6.03	-	9.05	-
Training & Consulting ²	\$/h	44.35	-	58.10	-	87.15	-
Freeze-drying	\$/day	17.15	-	22.47	-	33.68	-
Method Development	\$/h	44.35		58.10		87.15	

¹ Difficult samples require an additional charge:

CHN	Low concentration (< ?%C,N) samples; salts; liquid samples
TOC	Any sample matrix other than water
ALPKEM	Any sample matrix other than 2M KCl or water; any sample not near neutral pH; colored samples; dirty samples
COSTECH	Salts; glass or quartz filters; highly enriched samples (> 2 atom%)
FREEZEDRY	Any solvent/matrix other than water

These are estimated additional costs based on common difficult samples. We reserve the right to charge additional fees upon further information. Please contact lab management.

² Training and consulting fees are charged by the hour (starting at \$44.35/h) for instrument, method, and lab use training sessions. Training on instruments needs to be re-taken if operator has not run the instrument for over 6 months.

³ Stable isotope analyses of other compounds are under development. EcoCore also welcomes experienced GC-c-IRMS users to use our facility to analyze samples with established methods. Rates can be negotiated for these types of analyses. For more information, please contact us.

⁴ Solid samples should be sent to EcoCore weighed and encapsulated. We occasionally weigh and encapsulate samples for outside clients for an additional charge.

⁵ A yearly plate reader subscription starting at \$390 is available to internal users, provided all sample prep is done at EcoCore. This cost does not cover the cost of training.

⁶ Due to the substantial amount of time required per run and cost of standards, a 10-sample minimum is required for ¹⁸O water. Small sample batches will be billed for 10 samples.

Other notes:

Client vs. EcoCore operator: for most automated analyses, a sample surcharge is included when samples are sent to and analyzed by EcoCore, to cover for time investment by laboratory technicians. For analyses requiring manual injection (13C in CO2 analysis), a higher surcharge is included. For GC-c-IRMS analyses of FAMEs, we charge an additional \$22.85/sample (on campus) and \$29.95/sample (off-campus) due to the complexity of the analysis and data processing.

If instruments are run by the client, training is required, which will be charged by the hour (starting at \$44.35/h) for instrument, method, and lab use training sessions. Training on instruments needs to be re-taken if operator has not run the instrument for over 6 months.

A discount applies for **large numbers of samples**. The lower rate will be applied to those samples run after having reached the cut-off number of samples during a Colorado State University fiscal year (July 1 – June 30).