

CREAIT Network - TERRA Facility - Stable Isotope Lab
Fees for Stable Isotope Ratio, Elemental and GC Analyses

Analytical Fees (per sample)

Analytes	Instrument/Method	MUN (grant/collaboration)	External (university/government)	Commercial
carbon & nitrogen (solids)				
%	EA-IRMS	\$12.50	\$20.00	\$32.00
δ and %	EA-IRMS	\$15.00	\$24.00	\$37.50
δ ¹³ C & δ ¹⁸ O carbonates	GasBench-IRMS	\$10.00	\$18.00	\$28.00
δ ¹³ C CH ₄ , CO, CO ₂ *	GC-C-IRMS	\$22.00*	\$44.00*	n/a
δ ¹³ C C1-C5 hydrocarbons*	GC-C-IRMS	\$33.00*	\$55.00*	n/a
δ ¹³ C FAMES	GC-C-IRMS	\$55.00	\$88.00	n/a
δ ¹³ C Hydrocarbons (> C5)	GC-C-IRMS	\$55.00	\$88.00	n/a
δ ¹³ C Amino Acids	GC-C-IRMS	\$55.00	\$88.00	n/a
δ ¹⁵ N Amino Acids	GC-C-IRMS	\$55.00	\$88.00	n/a
δ ² H C1-C5 hydrocarbons*	GC-P-IRMS	\$33.00	\$44.00	n/a
δ ¹⁸ O (Ag ₃ PO ₄)	TC/EA-IRMS	\$21.00	\$31.50	n/a

Concentrations

CO ₂ **	GC-FID/TCD	\$4.00	n/a	n/a
H ₂ , CO, CH ₄ , CO ₂ ***	GC-FID/TCD	\$60/day	n/a	n/a
Hydrocarbons, FAMES****	GC-FID/ECD	\$15.00	n/a	n/a

*over-pressurized bottle with rubber stopper; conc. ~ 0.05 - 1.0 % by volume

** analysis using autosampler (samples in 10 mL vials with septum); standards and calibration are client's responsibility

*** manual injection; client operates instrument and uses own standards

****: analysis using autosampler; standards and calibration are client's responsibility

Re-runs due to user/client error or poor sample purity/quality charged at full rate.

Up to 5% replicates included for no additional cost.

Lab Preparation Fees (per sample)

Process		MUN (grant/collaboration)	External (university/government)	Commercial
weighing		\$2.50	included	included