

Isotopic Preparation and Analysis by Isotope Ratio Mass Spectrometry (IRMS)

Analysis	Description	Standard 4 –6 weeks (for samples received ready for analysis)	Comment
¹⁵ NH ₄	Ammonia Diffusion & Analysis by EA-IRMS; <=50/>50	\$60/ \$45	
Preparation	Dry & Grind	\$8	
¹⁵ N & ¹³ C	Lipid-Urea Extraction & Analysis by EA-IRMS	\$24	
¹⁵ N & ¹³ C	Analysis by EA/IRMS	\$8.50	
¹⁵ NO ₃	Nitrate Diffusion & Analysis by EA- IRMS; <=50/>50	\$60/ \$45	
Preparation	Weighing microgram subsample	\$8	
¹³ C & ¹⁸ O	Analysis by GasBench-IRMS	\$10.00 / \$12.50	*On-campus / Off-campus
¹³ C & ¹⁸ O	Weighing	\$2.75 / \$3.00	*On-campus / Off-campus
¹³ C & ¹⁸ O	Acidification	\$2.75 / \$3.00	*On-campus / Off-campus
Preparation	Acidification for IC Removal for Solids	\$7.50	
¹³ CO ₂	Manual Injection and Analysis by GasBench-IRMS	\$20	
Dissolved Organic ¹³ C	Processing & Analysis by EA-IRMS	\$25	

Total %N & %C

Analysis	Standard 4 –6 weeks
%N & %C Processing, Dry & Grind	\$8
Total %N & %C Analysis	\$5.50
Weighing microgram subsample	\$8

Total %S

Analysis	Standard 4 –6 weeks
%S Processing, Dry & Grind	\$8
%S Analysis	\$10
Weighing microgram subsample	\$8