


		Analysis Type			Specifications			Rates (per sample)		
					10 sample minimum	Samples must be freeze-dried and homogenized	For samples submitted 'ready to analyze'. Contact WQC for details.	Trent Internal	External Academic/ Government	Commercial
ICP-MS	Acid digestion	✓	✓		\$ 30.00	\$ 45.00	\$ 60.00			
	Water sample preparation									
	Acidify with HNO ₃	✓			\$ 1.00	\$ 1.50	\$ 2.00			
	Filter to <0.45 µm	✓			\$ 5.00	\$ 7.50	\$ 10.00			
	Sample Dilution				\$ 2.00	\$ 3.00	\$ 4.00			
	ICP-QQQ-MS Solution Analysis									
	Multi-element (specify target analytes on sample submission form)	✓		✓	\$ 20.00	\$ 30.00	\$ 60.00			
	Rare earth elements (for add-on with other analytes only)	✓		✓	\$ 10.00	\$ 15.00	\$ 30.00			
Isotope ratio analysis by MC-ICP-MS (e.g., Sr, Hg)				Contact WQC	Contact WQC	Contact WQC				
Stable Isotopes	C/N Isotopes of solid organics (δ ¹⁵ N, δ ¹³ C, %N, %C)	✓	✓	✓	\$ 16.50	\$ 33.00	\$ 66.00			
	Weighing samples into tin capsules				\$ 5.00	\$ 5.00	\$ 5.00			
	Additional sample preparation (chemical pre-treatment, freeze drying, homogenization)				Contact WQC	Contact WQC	Contact WQC			
	O/H Isotopes of pure water samples (δ ² H, δ ¹⁸ O)			✓	\$ 15.00	\$ 30.00	\$ 60.00			
Organic Mass Spectrometry	LC-MS/MS or GC-MS analysis of routine analytes			✓	\$ 50.00	\$ 100.00	\$ 200.00			
	Extraction of water samples and LC-MS/MS or GC-MS analysis of routine analytes				\$ 150.00	\$ 200.00	\$ 400.00			
	Extraction of solid samples (tissue, plants, sediments, soils) and LC-MS/MS or GC-MS analysis of routine analytes				\$ 200.00	\$ 250.00	\$ 500.00			
	FTICR-MS analysis of sample extracts (dissolved organic matter or other complex mixtures)			✓	\$ 110.00	\$ 220.00	\$ 440.00			
	Development of extraction and analysis methods for analytes not on our routine list				Contact WQC	Contact WQC	Contact WQC			

Updated October 2023

[Always contact waterqualitycentre@trentu.ca before submitting samples.](mailto:waterqualitycentre@trentu.ca)

[All sample submissions require a completed sample submission sheet.](#)

Hourly rates for staff time in addition to per sample costs may apply under some circumstances.