


		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	
	Total Hg using Milestone DMA (solid samples only)		✓		\$ 15.00	\$ 30.00	\$ 60.00	
	Isotope ratio analysis by MC-ICP-MS				Contact WQC	Contact WQC	Contact WQC	
Stable Isotopes	C/N Isotopes of solid organics (¹⁵ N, 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 (² H, ¹⁸ O)			✓	\$ 15.00	\$ 30.00	\$ 60.00	
Organic Mass Spectrometry	LC-MS-MS or GC-MS analysis of routine analytes (see WQC website for list)			✓	\$ 50.00	\$ 100.00	\$ 200.00	
	Extraction of water samples and LC-MS/MS or GC-MS analysis of routine analytes (see WQC website for list)				\$ 150.00	\$ 200.00	\$ 400.00	
	Extraction of solid samples (including biota, sediments, soils) and LC-MS/MS or GC-MS analysis of routine analytes (see WQC website for list)				\$ 200.00	\$ 250.00	\$ 500.00	
	Extraction of water/solid sample and untargeted metabolomic analysis using LC-MS/MS				\$ 250.00	\$ 300.00	\$ 600.00	
	Dissolved organic matter characterization using FTICR-MS				\$ 110.00	\$ 220.00	\$ 440.00	
	Development of extraction and analysis method for analytes not on our routine list				Contact WQC	Contact WQC	Contact WQC	

Updated June 2023

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

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