

## TRACES Centre User Fees

<u>Instrumentation</u>		<u>Internal User<sup>1</sup></u>	<u>External User<sup>2</sup></u>	<u>Sample Rates</u>	<u>Notes</u>
GC (FID,TCD)		\$10/hr	\$50/hr	\$50/sample	Consumables not included Column change \$100
GC-MS (EI mode)	(CI+\$15/hr)	\$40/hr	\$95/hr	\$155/sample	Consumables not included
GC-MS (QQQ/EI mode)	(CI+\$15/hr)	\$50/hr	\$145/hr	\$200/sample	Column change \$100
HPLC (DAD,FLD,RID) (Fraction Collection add \$10/hr)		\$10/hr	\$50/hr	\$50/sample	Consumables not included Column change \$100
LCMS (QQQ/advanced users)		\$50/hr	\$145/hr	\$200/sample	Consumables not included
LCMS (QToF TRACES staff)		\$55/hr	\$155/hr	\$200/sample	MS/MS analysis
IC (anion, cation, weak acids)		\$15/hr	\$75/hr	\$75/sample	Consumables not included
UV-Vis		\$10/hr	\$15/hr	\$15/sample	Consumables not included
Raman		\$10/hr	\$15/hr	\$25/sample	Consumables not included
FTIR (ATR,Trans,DRIFFT,SpecRef) (Far-IR and FrontRefl add \$10/hr)		\$10/hr	\$15/hr	\$15/sample	Consumables not included
Fluorescence		\$10/hr	\$15/hr	\$15/sample	Consumables not included
HHXRF <sup>3</sup>		\$200/4hr	\$250/sp	\$105/sample	Consumables not included
TRXRF <sup>4</sup>		\$10/hr	\$25/hr	\$25/sample	Consumables not included
TOC/TN (Water Samples Only)		\$35/hr	\$55/hr	\$50/sample	Consumables not included
Flame AAS (For GFAAS add \$10/hr)		\$15/hr	\$75/hr	\$50/sample	Consumables not included
ICP-MS (advanced users) <sup>5</sup>		\$100/hr	\$195/hr	\$50/smpl/elem	Consumables not included
Single Crystal Diffraction		\$75/sp/day	\$225/hr	\$250/sample	Consumables not included
Elemental Analysis (CN only)		\$35/hr	\$55/hr	\$75/sample	Consumables not included
NMR (External & Sample Rates apply to <sup>1</sup> H only)		\$8/hr	\$15/sample	\$25/sample	Consumables not included

**Please be advised that this is the cost for use of the instrument only. The cost of consumables and sample prep (if needed) is extra.**

Discounts available on large sample volume (+50 sample). Contact TRACES Lab Manager for more information.

<sup>1</sup>Internal Users refers to the users from DPES (cross appointments accepted)

<sup>2</sup>External Users refers to non-UofT users

<sup>3</sup>MUST have valid Level 1 NRCan HHXRF Certification

<sup>4</sup>Must have valid UofT Xray Safety Certification

<sup>5</sup>EPA200.8 Elements ONLY- within specified limits