

TRACES Centre User Fees

| <u>Instrumentation</u> | | <u>Internal User¹</u> | <u>External User²</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,DRIFT,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 ³ | | \$200/4hr | \$250/sp | \$105/sample | Consumables not included |
| TRXRF ⁴ | | \$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) ⁵ | | \$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 ¹ 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.

¹Internal Users refers to the users from DPES (cross appointments accepted)

²External Users refers to non-UofT users

³MUST have valid Level 1 NRCAN HHXRF Certification

⁴Must have valid UofT Xray Safety Certification

⁵EPA200.8 Elements ONLY- within specified limits