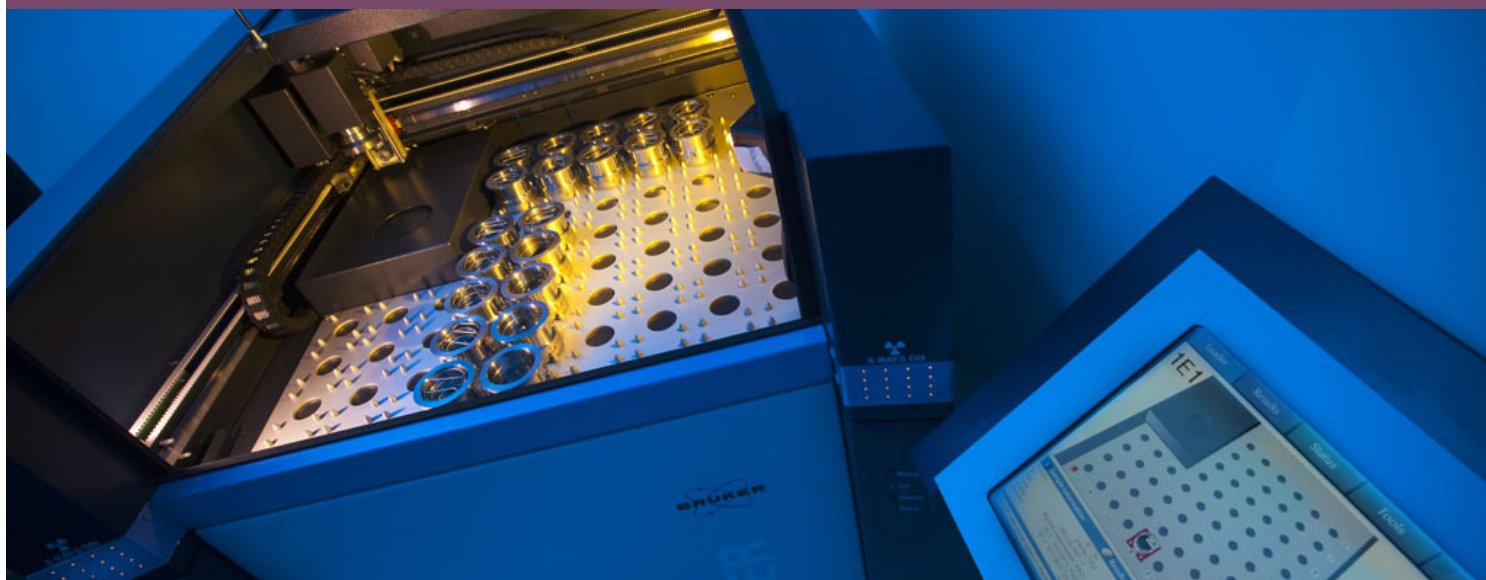


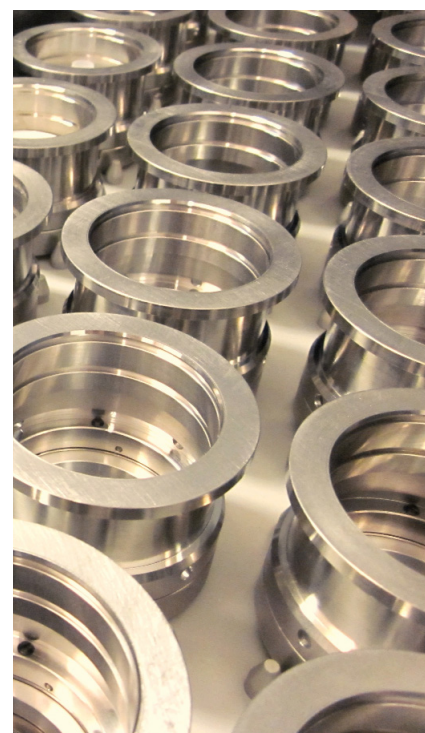


Advanced Microanalysis Centre™ X-ray Fluorescence (XRF) Spectroscopy

The Saskatchewan Research Council's (SRC) Advanced Microanalysis Centre™ incorporates X-ray fluorescence (XRF) spectrometers which provide one of the simplest, most accurate and economical methods for multi-element analysis. Elements from carbon to uranium can be measured with a detection range of 1 to 50 ppm.

Services, Features and Equipment

- Bruker S8 TIGER XRF spectrometers, equipped with TouchControl™ and SampleCare™, creates ease of use and robust reliability.
- Fast, non-destructive analytical method is suitable for solid, liquid and powdered samples.
- Concentrations up to 100% are analyzed directly, without dilution and with reproducibility better than $\pm 0.1\%$.
- System is capable of analyzing oil and other petroleum samples in addition to rock powders.



CONTACT

Advanced Microanalysis Centre™
Saskatchewan Research Council
125 - 15 Innovation Blvd.
Saskatoon, SK S7N 2X8
T: 306-385-4066
E: microlab@src.sk.ca

www.src.sk.ca

Available Packages and Expected Lower Limit of Detection (LLD) *

Major oxides - \$35.00/sample

Analyte	LLD
Na ₂ O	0.01 %
MgO	0.01 %
Al ₂ O ₃	0.01 %
SiO ₂	0.03 %
P ₂ O ₅	0.01 %
K ₂ O	0.01 %
CaO	0.01 %
TiO ₂	0.01 %
MnO	0.01 %
Fe ₂ O ₃	0.01 %

Uranium Assay - \$20.00/sample

Analyte	LLD
U3O8	0.001 %

REE - \$45.00/sample

Analyte	LLD
Ce	5 ppm
Pr	5 ppm
Nd	5 ppm
Sm	5 ppm
Eu	5 ppm
Gd	5 ppm
Tb	10 ppm
Dy	10 ppm
Ho	10 ppm
Er	10 ppm
Yb	5 ppm
Th	10 ppm
U	2 ppm

Major plus - \$45.00/sample

Analyte	LLD
Na ₂ O	0.005 %
MgO	0.005 %
Al ₂ O ₃	0.005 %
SiO ₂	0.010 %
P ₂ O ₅	0.005 %
K ₂ O	0.005 %
CaO	0.005 %
TiO ₂	0.005 %
MnO	0.005 %
Fe ₂ O ₃	0.005 %
F	0.01 %
S	0.01 %
Cl	0.01 %

Trace elements - \$45.00/sample

Analyte	LLD	Analyte	LLD
Sc	2 ppm	Nb	1 ppm
V	1 ppm	Mo	1 ppm
Cr	4 ppm	Sn	3 ppm
Co	3 ppm	Sb	2 ppm
Ni	2 ppm	Cs	5 ppm
Cu	5 ppm	Ba	5 ppm
Zn	4 ppm	La	5 ppm
Ga	1 ppm	Hf	10 ppm
As	3 ppm	Ta	10 ppm
Se	10 ppm	W	10 ppm
Br	10 ppm	Pb	1 ppm
Rb	1 ppm	Bi	5 ppm
Sr	1 ppm	Th	10 ppm
Y	5 ppm	U	2 ppm
Zr	5 ppm		

Note: The Price for two or more packages on the same sample is \$55.00 per sample.

* Prices subject to change without notice.