

### Rare Earth Scan

**Notes: 4 acid digestion**  
**AAS Labcode: M-ICPMS-RE**

**\$100/sample**

Analyte and Ranges (ppm)			
Ce—Cerium	1 - 2,000	Lu—Lutetium	1 - 2,000
Dy—Dysprosium	1 - 2,000	Nd—Neodymium	1 - 2,000
Er—Erbium	1 - 2,000	Pr—Praseodymium	1 - 2,000
Eu—Europium	1 - 2,000	Sm—Samarium	2 - 2,000
Gd—Gadolinium	1 - 2,000	Tb—Terbium	1 - 2,000
Ho—Holmium	1 - 2,000	Tm—Thulium	2 - 2,000
La—Lanthanum	1 - 2,000	Yb—Ytterbium	2 - 2,000

### 35 Element ICP-OES Scan

**Notes: 4 acid digestion**  
**AAS Labcode: M-ICP-4A-35**

**\$75/sample**

Analytes and Ranges (ppm)			
Al—Aluminum	0.05 - 50%	Mo—Molybdenum	2 - 10,000
As—Arsenic	20 - 100,000	Na—Sodium	0.01 - 10%
Ba—Barium	50 - 50,000	Nb—Niobium	5 - 10,000
Be—Beryllium	5 - 5,000	Ni—Nickel	2 - 10,000
Bi—Bismuth	5 - 10,000	Pb—Lead	5 - 20,000
Ca—Calcium	0.01 - 20%	P—Phosphorous	50 - 20,000
Cd—Cadmium	1 - 1,000	Sb—Antimony	10 - 20,000
Ce—Cerium	5 - 10,000	Sc—Scandium	2 - 5,000
Co—Cobalt	2 - 10,000	Sn—Tin	10 - 20,000
Cr—Chromium	2 - 10,000	Sr—Strontium	2 - 5,000
Cu—Copper	2 - 10,000	S—Sulfur	0.01 - 20%
Fe—Iron	0.01 - 30%	Ti—Titanium	0.01 - 10%
Ga—Gallium	5 - 10,000	V—Vanadium	5 - 10,000
K—Potassium	0.01 - 10%	W—Tungsten	5 - 10,000
La—Lanthanum	5 - 10,000	Y—Yttrium	1 - 2,000
Li—Lithium	2 - 2,000	Zn—Zinc	2 - 10,000
Mg—Magnesium	0.01 - 20%	Zr—Zirconium	2 - 10,000
Mn—Manganese	2 - 20,000		

**Whole Rock ICP-OES Scan**

Osburn, ID 83849

**Notes: Lithium Metaborate Fusion**

**AAS Labcode: M-ICP-WR**

**\$105/sample**

Analytes and Ranges (%)			
SiO <sub>2</sub>	0.01 - 99	K <sub>2</sub> O	0.01 - 99
Al <sub>2</sub> O <sub>3</sub>	0.01 - 99	TiO <sub>2</sub>	0.01 - 99
Fe <sub>2</sub> O <sub>3</sub>	0.01 - 99	MnO	0.01 - 99
CaO	0.01 - 99	P <sub>2</sub> O <sub>5</sub>	0.01 - 99
MgO	0.01 - 99	Loss on Ignition	0.01 - 99
Na <sub>2</sub> O	0.01 - 99		

**Atomic Absorption Analysis**

**Notes: Ag, Cu, Pb, Zn, Fe, Sb offered**

**See Below**

# of Elements	Price/Sample
1 Element	\$15.00
2 Elements	\$17.00
3 Elements	\$19.00
4 Elements	\$20.00
5 Elements	\$21.00
6 Elements	\$23.00

**Volumetric/Gravimetric Analyses**

**\$45/sample**

Analyte	AAS Code	Technique
Sb—Antimony	M-Vol-Sb	Volumetric
As—Arsenic	M-Vol-As	Volumetric
Cu—Copper	M-Vol-Cu	Volumetric
Fe—Iron	M-Vol-Fe	Volumetric
Pb—Lead	M-Vol-Pb	Volumetric
S—Sulfur (Total)	M-Grav-S	Gravimetric
Zn—Zinc	M-Vol-Zn	Volumetric
Acid Insolubles	M-Grav-Insol	Gravimetric

**Mercury**

**Notes: 2 acid digestion**

**AAS Labcode: M-CVAA-Hg**

**\$25/sample**

Analyte	Reporting Limit (ppm)
Hg—Mercury	0.01

**LECO**

**Notes:**

<b>See Below</b>			
Analyte	AAS Code	Reporting Limit (%)	Price/Sample
Carbon & sulfur	M-LECO-CS	0.05	\$45.00
C—Carbon	M-LECO-C	0.05	\$34.00
S—Sulfur	M-LECO-S	0.05	\$34.00

**Misc. Analytes**

**Notes:**

<b>See Below</b>			
Analyte	AAS Code	Reporting Limit	Price/Sample
Fluoride	M-F		\$60.00
Chloride	M-Cl		\$60.00
Percent Moisture	M-Moist		\$35.00
Gradation			\$90.00
TKN	E-TKN		\$50.00
Specific Gravity	E-SG		\$40.00
Loss on Ignition	E-LOI		\$30.00
Cyanide (Total or WAD)	E-CN-Tot/WAD		\$95.00

**TCLP/SPLP Analyses**

**Notes: Complete suite includes ICP: Ag, As, Ba, Cd, Cr, Pb, Se-CVAA: Hg**

<b>\$100/sample</b>		
Parameter	AAS Code	Method
TCLP Suite	E-TCLP-Suite	EPA 6010/245.1
SPLP Suite	E-SPLP-Suite	EPA 6010/245.1

**Fire Assay**

<b>See Below</b>
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Analyte	Description	Code	Price
Low to Ore Grade			
Au/Ag (Gravimetric)	FA, Gravimetric, 30g sample	FA-Ag/Au	\$50.00
Au/Ag (ICP Finish)	FA, ICP Finish, 30g sample	FA-ICP	\$45.00
Au/Ag (CN Leach)	FA, Gravimetric, 20mL sample	FA-CN	\$90.00
Au/Ag (Carbons)	FA, Gravimetric, 30g sample	FA-C	\$50.00
Au/Ag (Native Gold)	Metallic screen w/ FA, Gravimetric	FA-NAT	\$160.00
PGM	FA, ICP Finish, 30g sample	FA-ICP-PGM	\$140.00
Au	FA, Gravimetric, 30g sample	FA-Au	\$35.00
Ag	FA, Gravimetric, 30g sample	FA-Ag	\$35.00
Concentrate Grade			
Au/Ag	Fire Assay, Gravimetric	FA-Con	\$85.00
Au/Ag (Bullion)	Fire Assay, Gravimetric	FA-Bul	\$130.00

**Note: Prices for standard sample - additional fees for high interference samples**

**Sample Prep**

<b>See Below</b>
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AAS Code	Description	Price/Sample
<b>Drill core, mine exploration samples:</b>		
M-SP-R	Dry, crush to 80% passing 10 mesh, split 250g and pulverize to 85% passing 140 mesh	\$9.00
M-SP-OS	Overweight sample (over 5kg) per 1/2 kg over	\$2.00
M-SP-W	Weigh sample	\$1.50
M-SP-C	Compositing pulp, per 250g	\$50.00/hr
M-SP-D	Extra drying time	\$10.00/every 24 hrs
M-SP-PB	Pulverizer blend of received pulps	\$5.00
<b>Soil samples:</b>		
M-SP-S	Dry 1/2 kg at 60°C, sieve sample to 80 mesh and retain both fractions	\$6.00
<b>Sample storage and disposal fees:</b>		
M-SH-SR	Monthly storage of rejects	\$1.00/per reject
M-SH-SP	Monthly storage of pulps	\$1.00/per pulp

**Note: This is after the initial 30 days of storage**

**Administrative Fees**

Description	Price/Job
Samples submitted without a Chain of Custody Form	\$25.00
Customer requests a reissued report/to amend a report	\$45.00 (discretionary)
Rush Fee - 1 week turnaround	+50%
Rush Fee - 3 day turnaround	+75%
Rush Fee - 24/48 hour turnaround	+100%
Shipping Charge	\$10.00 + shipping
Copy of report email/mailed (current year)	\$5.00
Copy of report email/mailed (previous year)	\$10.00
Signed copy of report (additional copy)	\$10.00
Finance Charge for invoices past due 30+ days	+1.5%/month
Amending report with additional testing (for reports 30+ days old)	\$10.00

*Please note not all analyses can be completed within certain rush times*

*Please note prices reflect cash or check discount*

**Prices effective January 20, 2020**