



SCHEDULE OF SERVICES & FEES

2024

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MISSION STATEMENT

At American Assay Laboratories, we provide precise and reliable geochemical testing services. Located conveniently to service Nevada's mining hub, we use advanced technology and expert chemists to deliver top-tier quality and results. Our secure cloud-based system ensures efficient and accessible results. Committed to exceptional quality and customer convenience, we aim to be your trusted partner in decision-making.



ISO/IEC 17025:2017
ACCREDITED



ADMINISTRATION



ADMINISTRATION

Our staff follows precise operating procedures to manage the high volume of samples received on a day-to-day basis. This efficiency ensures quick reporting turnaround for quality assays including guaranteed turnarounds for rush orders. AAL provides an organized comprehensive system aimed at helping clients with every step of the process. We provide sample pick-up, set custom jobs, have a wide spectrum of geochemical testing, and provide warehouse storage. With a focus on swift responsiveness, our QC and operational staff provide dependable support, tailored to the specific challenges of each project.

CODE	NOTE	DESCRIPTION	PRICE	MINIMUM
A-BC10	Batch Fee	Computer Batch Tracking and Paperwork Generation Fee	\$100	
A-MC11	*Minimum Order	Batch Fee (\$100) + Minimum Order (\$400)	\$500	\$500
A-SP11	*Minimum Order Special Projects	Batch Fee (\$100) + Minimum Order (\$400) + Research (\$300) <i>Additional research charge for samples that do not use standard preparation or analysis codes.</i>	\$800	\$800
A-PU11	PICK-UP	Sample pickup from site	\$161.20 per hour	
A-GT02	TURNAROUND	Guaranteed 2 business days	7x book price	\$5,000
A-GT05	TURNAROUND	Guaranteed 5 business days	5x book price	\$3,000
A-GT10	TURNAROUND	Guaranteed 10 business days	3x book price	\$1,500
A-GT15	TURNAROUND	Guaranteed 15 business days	1.7x book price	\$1,000
A-LG11	LOG-IN	Barcode log in and weigh of samples	\$1.10 per sample	
A-LB11	LOG-IN	Log in, generate barcode and weigh of samples	\$1.60 per sample	
A-DW11	DISPOSAL	Disposal non-hazardous waste to approved land fill	\$1.10 per sample	
A-DW21	DISPOSAL	Disposal hazardous waste to approved waste facility	\$1.60 per sample	
A-SR11	RETURN/ RETRIEVAL	Return of pulp or reject to client and retrieval for further work	\$95.00 per hour	
P-LS11	STORAGE	Large (>1kg) storage in yard storage	\$0.35 per sample per month	
P-SS11	STORAGE	Small (<1kg) storage in AAL warehouse	\$0.55 per sample per month	
P-CS11	STORAGE	CoreBox Storage	\$1.60 per box per month	

*Payment by credit card will incur an additional 3% processing fee

SAMPLE PREPARATION



SAMPLE PREPARATION

Sample preparation is essential in processing raw material to homogenous fine dry powder suitable for chemical analysis. We have large-volume natural gas drying ovens with adjustable temperature controls to address volatile elements within sample material. The department includes core logging, jaw crush, roll crush, jones riffle split, rotary split, and ring mill pulverization. The extractors help maintain a clean and safe environment. Prep protocol enforces multiple quality checks to ensure representative sub-samples are produced in an organized and streamlined fashion.

CODE	NOTE	DESCRIPTION	PRICE
P-CL21	CORE LOG AREA	Lockable Core Logging Area Daytime/LED Lights Roller Table Area	\$80.00 per day
P-CP21	CORE PHOTOGRAPHY	Fixed Focus digital photograph of core as specified	\$5.20 per box
P-CC21	CORE CUT	Log, Cut and Bag to client specification	\$95.00 per hour + blade cost
P-CF21	CORE CUT	Friable Core sampled to client specification surcharge	\$6.25 per foot
P-ST11	DRY	Transfer plastic or broken bag samples to drying tray	\$1.60 per sample
P-HD11	DRY	Drying of excessively wet samples (>5% moisture) 105°C	\$5.20 + \$1 per kg
P-LD11	DRY	Drying of excessively wet samples (>5% moisture) 60°C	\$6.25 + \$1.50 per kg
P-CC11	CRUSH	Coarse Crush	\$3.70 + \$1 per kg
P-SC11	CRUSH	Fine Crushing of dried sample >70% -2mm	\$3.70 + \$1 per kg
P-SC21	CRUSH	Fine Crushing of dried sample >85% -2mm	\$4.20 + \$2 per kg
P-SC31	CRUSH	Fine Crushing of dried sample >90% -2mm	\$5.20 + \$2 per kg
P-SS11	SPLIT	Split Jones Riffle	\$2.30 + \$0.60 per kg
P-SR21	SPLIT	Split Rotary	\$4.20 + \$1.50 per kg
P-SP11	SPLIT	Split Pulp	\$1.10 per pulp
P-PZ11	PULVERIZE	Pulverize 300 grams >85% -75 micron	\$7.30 per sample
P-PZ21	PULVERIZE	Pulverize 1kg split >85% -75 micron	\$9.40 per sample
P-C7J3	DRILL, ROCK, CORE	Crush >70%-2mm, Jones Split 300g, Pulverize >85% -75µ	\$9.40 + \$1 per kg
P-C7B3	DRILL, ROCK, CORE	Crush >70%-2mm, Rotary Split 300g, Pulverize >85% -75µ	\$11.50 + \$1 per kg
P-C7J10	DRILL, ROCK, CORE	Crush >70%-2mm, Jones Split 1000g, Pulverize >85% -75µ	\$10.40 + \$1 per kg
P-C7B10	DRILL, ROCK, CORE	Crush >70%-2mm, Rotary Split 1000g, Pulverize >85% -75µ	\$12.50 + \$1 per kg
P-C9B10	HIGH GRADE/ COARSE GOLD	Crush >90%-2mm, Boyd Rotary Split 1000g, Pulverize >85% -75µ	\$17.70 + \$2 per kg
P-SP81	SOIL	Dry 60°C, sieve 80 mesh retain +80# and -80# fractions	\$6.25 + \$1 per kg
P-BW11	BARREN WASH	Barren Wash where specified	\$4.20 per wash
P-PH11	HOMOGENIZE	Pulp Homogenization	\$7.30 per sample
P-CV11	COMPOSITE	Volumetric Compositing	\$2.90 per pulp
P-CG11	COMPOSITE	Gravimetric Compositing	\$5.20 per pulp
P-CP11	CUSTOM PREP	Client Specific custom preparation	\$95.00 per hour

SPECIALIZED CODES



NIC MA-3000
MERCURY ANALYZER

WARNING

Pinch point.
Keep hands clear.

SPECIALIZED CODES

AAL has highly educated and experienced staff that collaborate with our clients to meet any specialized needs. We have advanced instrumentation aimed to serve a wide range of specialties. Our experienced technicians operate ICP-OES/MS, ELTRA, XRF, XRD, SEM, DMA, CIC, etc. Our staff and instruments allow us to meet our clients' needs for customized analysis with precise results and flexible methodologies. AAL is fundamentally committed to continual innovation of our geochemical testing and technological tools.

CODE	DESCRIPTION	ANALYTE	RANGE	PRICE
A-SP21	Special Project research and development			\$300 per hour
A-CM11	Concentrates or Metallurgical samples			4x book price
A-BD11	Bulk Density by water displacement waxed	Density		\$22.90 per sample
A-SG11	Specific Gravity by pycnometer	Ratio		\$22.90 per sample
G-LOI1000	Sample is ignited air atmosphere at 1000°C GRAVIMETRIC	LOI	0.01-100%	\$15.00 per sample
DM-Hg11	Direct Mercury Analyzer, MA-3000	Mercury (Hg)	0.001-5ppm	\$17.20 per sample
IO-LiBRI	Lithium Brines Solution Assay ICP-OES	Lithium (Li)	0.01-1,000ppm	\$11.50 per sample
IC-CIC11	Combustion Ion Chromatography (CIC)	Chloride (Cl) Fluoride (F)	10-10,000ppm 20-10,000ppm	\$93.60 per sample
IC-CIC21	Combustion Ion Chromatography (CIC)	Chloride (Cl)	10-10,000ppm	\$76.90 per sample
IC-CIC31	Combustion Ion Chromatography (CIC)	Fluoride (F)	20-10,000ppm	\$76.90 per sample
IS-AN01	Ion Selective Electrode (ISE) and CIC	Chloride (Cl)	100-50,000ppm	\$67.60 per sample
IS-AO2	Ion Selective Electrode (ISE) and CIC	Fluoride (F)	100-50,000ppm	\$67.60 per sample
PS-M111	Pulp Particle Size Analysis Microtrac S3500 (0.1-2000 µm)	Particle Size	0.1-2000 µm	\$67.60 per sample

COPPER ORE

CODE	DESCRIPTION	ANALYTE	RANGE	PRICE
IO-LCu	H ₂ SO ₄ leach (CuOx), ICP-OES	Copper (Cu)	0.001-10%	\$16.70
IO-QLTCu	H ₂ SO ₄ /Fe ₂ (SO ₄) ₃ leach (CuQLT), ICP-OES	Copper (Cu)	0.001-10%	\$21.90
IO-CNCu	CN leach (CuCN), ICP-OES	Copper (Cu)	0.001-10%	\$22.90
IO-LCuS	Sequential Leach, ICP-OES (Stage 1 CuOx, Stage 2 CuCN, Stage 3 D4AB)	Copper (Cu)	0.001-10%	\$47.90
T-CuCon	Concentrate Titration	Copper (Cu)	10-60%	\$57.20

X-RAY DIFFRACTION

CODE	DESCRIPTION	PRICE PER SAMPLE
XD-CD	Clay extraction and XRD quantification	\$728.00
XD-CQ	Qualitative XRD scan	\$312.00
XS-SEM	SEM analysis (\$150 setup fee)	\$312.00

FIRE ASSAY



FIRE ASSAY

- FUSION** Sample is fused in a ceramic crucible with litharge, sodium carbonate, borax, and flour.
- CUPELLATION** The 25-50 gram lead button is cupelled in a magnesite cupel at 900°C for 60 minutes.
- PARTING** The silver bead is parted with nitric acid then hydrochloric acid.
- ANALYSIS** Gold, Palladium, and Platinum may be determined by this technique. ICP-OES reading of digestion. Parted prills can be weighed and reported as gold.
- LIMITATION** ICP readings typically have a +/- 3-5% variation. Gravimetric determinations for gold and silver are less accurate at low levels (<3 ppm) but more accurate (<1% variation) above 3 ppm than ICP. Gravimetric reported gold results include any palladium, platinum and retained silver

Overrange result will trigger a Gravimetric Fire Assay repeat
Results can be reported in client requested units

CODE FIRE ASSAY	DESCRIPTION	NAME	ANALYTE	RANGE	PRICE PER SAMPLE
IO-FAAu30	30g, ICP-OES, ppm	Gold	Au	0.003-10	\$22.00
IO-FAAu50	50g, ICP-OES, ppm	Gold	Au	0.003-10	\$27.00
IO-FAPGM30	30g, ICP-OES, ppm	Gold	Au	0.003-10	\$27.00
		Palladium	Pd	0.003-10	
		Platinum	Pt	0.005-10	

CODE GRAVIMETRIC	DESCRIPTION	NAME	ANALYTE	RANGE	PRICE PER SAMPLE
G-FAAu	30g, Au Gravimetric, ppm	Gold	Au	0.5-10,000	\$28.00
G-FAAuAg	30g, Au & Ag Gravimetric, ppm	Silver	Ag	20-10,000	\$35.40
		Gold	Au	0.5-10,000	

CODE SCREEN FIRES	DESCRIPTION	NAME	ANALYTE	RANGE	PRICE PER SAMPLE
IO-FASFAu11	1Kg screened at 100µ, Au ICP-OES, ppm	Gold	Au	0.05-10,000	\$75.00
G-FASFAu11	Au fire assay on +100µ and 2 -100µ assays and calculated head assay Gravimetric, ppm	Gold	Au	0.05-10,000	\$88.00

CODE CARBON	DESCRIPTION	NAME	ANALYTE	RANGE	PRICE PER SAMPLE
G-FAAuC11	Fire Assay Pulverized Carbon, Au Gravimetric, ppm	Gold	Au	1-10,000	\$51.00

CYANIDE DIGESTION



CYANIDE DIGESTION

DIGEST

Sample digested for 2 hours using 0.3% NaCN and 0.3% NaOH solution. Cyanide concentration can be changed upon request.

ANALYSIS

ICP-OES finish of digestion solution

LIMITATION

High concentrations of sulphides may negatively impact gold extraction. Heating cyanide increases possible extraction. Heating can be added upon request.

CODE CN LEACH	DESCRIPTION	NAME	ANALYTE	RANGE	PRICE PER SAMPLE
IO-CNAu215	15g cyanide leach 2 hour, ICP-OES, ppm	Silver	Ag	0.01-300	\$8.40 + \$6.00 per element
		Gold	Au	0.01-100	
		Copper	Cu	0.1-2,000	
IO-CNAu230	30g cyanide leach 2 hour, ICP-OES, ppm	Silver	Ag	0.01-300	\$12.50 + \$6.00 per element
		Gold	Au	0.01-100	
		Copper	Cu	0.1-2,000	
IO-CNAu260	50g cyanide leach 2 hour, ICP-OES, ppm	Silver	Ag	0.01-300	\$14.60 + \$6.00 per element
		Gold	Au	0.01-100	
		Copper	Cu	0.1-2,000	

H is suffixed to codes with heated cyanide solution

CODE CN BLEG	DESCRIPTION	NAME	ANALYTE	RANGE	PRICE PER SAMPLE
IO-CNBLEG1	1kg cyanide leach 24 hour, ICP-OES, ppm	Gold	Au	0.0001-10	\$47.90

CODE CN PREG ROB	DESCRIPTION	NAME	ANALYTE	RANGE	PRICE PER SAMPLE
IO-CNAu210 +PREG	10g cyanide leach 2 hour roll. Leach hasknown amount of Au. ICP-OES, ppm	Gold	Au	0.01-100	\$32.25

CODE CN PROCESS SOLUTION	DESCRIPTION	NAME	ANALYTE	RANGE	PRICE PER SAMPLE
IO-CNAuSOL	Cyanide solution assay, ICP-OES	Gold	Au	0.001-2,000 mg/L	\$28.00

CODE CN Cu LEACH	DESCRIPTION	NAME	ANALYTE	RANGE	PRICE PER SAMPLE
IO-CNCu	Cyanide leach, ICP-OES	Copper	Cu	0.001-10%	\$25.00

4AB DIGESTION



4AB DIGESTION

DIGEST 4AB Sample is digested with HNO₃, HF, HClO₄, HCl and H₃BO₃

ANALYSIS Agilent5110/Agilent7900

LIMITATION 4AB is a near total digest (resistant phases e.g. Corundum, Ilmenite, Rutile et al., are not digested)
For 4AB digest rare earth >10000ppm will cause double fluoride precipitation

CODE	DESCRIPTION	ANALYTE	PRICE PER SAMPLE
IO-4ABEx	4 acid + Boric acid ICP-OES	Any analyte from IO-4AB51	\$12.50 + \$1 per element
IM-4ABEx	4 acid + Boric acid ICP-OES+MS	Any analyte from IM-4AB61	\$18.75 + \$1 per element
IO-4ABOR	4 acid + Boric acid Ore Grade analysis for overrange elements ICP-OES	Any analyte from IO-4AB51	\$15.60 + \$1 per element

CODE	ANALYTE	RANGE	PRICE PER SAMPLE
IO-4ABAg	Silver (Ag)	0.3-100	\$13.60
IM-4ABHg	Mercury (Hg)	0.01-100	\$19.80

CODE	DESCRIPTION	PRICE PER SAMPLE
IO-4AB12	0.5g, 4 acid + Boric acid hot block, ICP-OES, ppm	\$17.20

NAME	ANALYTE	LDL	UDL
Silver	Ag	0.3	100
Arsenic	As	2	10,000
Calcium	Ca	300	200,000
Copper	Cu	1	10,000
Iron	Fe	300	250,000

NAME	ANALYTE	LDL	UDL
Mercury	Hg	0.5	100
Lithium	Li	5	8,000
Lead	Pb	3	10,000
Antimony	Sb	2	10,000
Zinc	Zn	3	10,000

CODE	DESCRIPTION	PRICE PER SAMPLE
IO-4AB28	0.5g, 4 acid + Boric acid hot block, ICP-OES, ppm	\$22.90

NAME	ANALYTE	LDL	UDL
Silver	Ag	0.3	100
Aluminum	Al	300	200,000
Arsenic	As	2	10,000
Bismuth	Bi	5	10,000
Calcium	Ca	300	200,000
Cerium	Ce	1	1,000
Cobalt	Co	1	10,000
Copper	Cu	1	10,000
Iron	Fe	300	250,000
Gallium	Ga	5	10,000
Mercury	Hg	0.5	100
Potassium	K	300	100,000
Lanthanum	La	1	1,000
Lithium	Li	5	8,000

NAME	ANALYTE	LDL	UDL
Magnesium	Mg	100	200,000
Manganese	Mn	5	50,000
Sodium	Na	100	40,000
Nickel	Ni	2	10,000
Lead	Pb	3	10,000
Sulfur	S	30	200,000
Antimony	Sb	2	10,000
Scandium	Sc	1	1,000
Strontium	Sr	5	10,000
Titanium	Ti	30	100,000
Thallium	Tl	10	100
Vanadium	V	3	5,000
Yttrium	Y	1	1,000
Zinc	Zn	3	10,000

CODE	DESCRIPTION	PRICE PER SAMPLE
IO-4AB51	0.5g, 4 acid + Boric acid hot block, ICP-OES, ppm	\$33.30

NAME	ANALYTE	LDL	UDL
Silver	Ag	0.3	100
Aluminum	Al	300	200,000
Arsenic	As	2	10,000
Barium	Ba	2	5,000
Beryllium	Be	0.1	500
Bismuth	Bi	5	10,000
Calcium	Ca	300	200,000
Cadmium	Cd	0.5	1,000
Cerium	Ce	1	1,000
Cobalt	Co	1	10,000
Chromium	Cr	1	5,000
Copper	Cu	1	10,000
Dysprosium	Dy	1	1,000
Erbium	Er	1	1,000
Europium	Eu	1	1,000
Iron	Fe	300	250,000
Gallium	Ga	5	10,000
Gadolinium	Gd	1	1,000
Hafnium	Hf	1	1,000
Mercury	Hg	0.5	100
Holmium	Ho	1	1,000
Potassium	K	300	100,000
Lanthanum	La	1	1,000
Lithium	Li	5	8,000
Lutetium	Lu	1	1,000
Magnesium	Mg	100	200,000

NAME	ANALYTE	LDL	UDL
Manganese	Mn	5	50,000
Molybdenum	Mo	1	10,000
Sodium	Na	100	40,000
Niobium	Nb	1	10,000
Neodymium	Nd	1	1,000
Nickel	Ni	2	10,000
Phosphorous	P	20	100,000
Lead	Pb	3	10,000
Praseodymium	Pr	1	1,000
Sulfur	S	30	200,000
Antimony	Sb	2	10,000
Scandium	Sc	1	1,000
Samarium	Sm	1	1,000
Tin	Sn	1	10,000
Strontium	Sr	5	10,000
Terbium	Tb	1	1,000
Thorium	Th	20	10,000
Titanium	Th	30	100,000
Thallium	Tl	10	100
Thulium	Tm	1	1,000
Vanadium	V	3	5,000
Tungsten	W	2	10,000
Yttrium	Y	1	1,000
Ytterbium	Yb	1	1,000
Zinc	Zn	3	10,000



CODE	DESCRIPTION	PRICE PER SAMPLE
IM-4AB26	0.5g, 4 acid + Boric acid hot block, ICP-OES+MS, ppm	\$29.20

NAME	ANALYTE	LDL	UDL
Silver	Ag	0.3	100
Aluminum	Al	300	200,000
Arsenic	As	0.5	10,000
Bismuth	Bi	0.02	10,000
Calcium	Ca	300	200,000
Cadmium	Cd	0.02	1,000
Cobalt	Co	0.2	10,000
Copper	Cu	0.5	10,000
Iron	Fe	300	250,000
Gallium	Ga	0.05	10,000
Mercury	Hg	0.01	100
Magnesium	Mg	100	200,000
Manganese	Mn	5	50,000
Molybdenum	Mo	0.2	10,000

NAME	ANALYTE	LDL	UDL
Sodium	Na	100	40,000
Neodymium	Nd	1	500
Nickel	Ni	0.5	10,000
Phosphorous	P	20	100,000
Lead	Pb	3	10,000
Rhenium	Re	0.003	1,000
Sulfur	S	30	200,000
Antimony	Sb	0.05	10,000
Selenium	Se	0.05	1,000
Tellurium	Te	0.03	100
Thallium	Tl	0.008	100
Uranium	U	0.05	10,000
Vanadium	V	3	5,000
Zinc	Zn	3	10,000

CODE	DESCRIPTION	PRICE PER SAMPLE
IM-4AB52	0.5g, 4 acid + Boric acid hot block, ICP-OES+MS, ppm	\$38.50

NAME	ANALYTE	LDL	UDL
Silver	Ag	0.3	100
Aluminum	Al	300	200,000
Arsenic	As	0.5	10,000
Barium	Ba	2	5,000
Beryllium	Be	0.02	500
Bismuth	Bi	0.02	10,000
Calcium	Ca	300	200,000
Cadmium	Cd	0.02	1,000
Cerium	Ce	0.2	1,000
Cobalt	Co	0.2	10,000
Chromium	Cr	0.2	5,000
Cesium	Cs	0.2	1,000
Copper	Cu	0.5	10,000
Iron	Fe	300	250,000
Gallium	Ga	0.05	10,000
Germanium	Ge	0.02	100
Hafnium	Hf	0.03	1,000
Mercury	Hg	0.01	100
Indium	In	0.008	1,000
Potassium	K	300	100,000
Lanthanum	La	0.1	1,000
Lithium	Li	5	8,000
Magnesium	Mg	100	200,000
Manganese	Mn	5	50,000
Molybdenum	Mo	0.2	50,000

NAME	ANALYTE	LDL	UDL
Sodium	Na	100	40,000
Niobium	Nb	0.03	10,000
Nickel	Ni	0.5	10,000
Phosphorous	P	20	100,000
Lead	Pb	3	10,000
Rubidium	Rb	0.8	1,000
Rhenium	Re	0.003	1,000
Sulfur	S	30	200,000
Antimony	Sb	0.05	10,000
Scandium	Sc	0.05	1,000
Selenium	Se	0.05	1,000
Tin	Sn	0.05	10,000
Strontium	Sr	5	10,000
Tantalum	Ta	0.03	1,000
Tellurium	Te	0.03	100
Thorium	Th	0.08	100
Titanium	Ti	30	100,000
Thallium	Tl	0.008	100
Uranium	U	0.05	10,000
Vanadium	V	3	5,000
Tungsten	W	0.07	10,000
Yttrium	Y	0.05	1,000
Zinc	Zn	3	10,000
Zirconium	Zr	0.3	1,000

CODE	DESCRIPTION	PRICE PER SAMPLE
IM-4AB61	0.5g, 4 acid + Boric acid hot block, ICP-OES+MS, ppm	\$48.50

NAME	ANALYTE	LDL	UDL
Silver	Ag	0.3	100
Aluminum	Al	300	200,000
Arsenic	As	0.5	10,000
Barium	Ba	2	5,000
Beryllium	Be	0.02	500
Bismuth	Bi	0.02	10,000
Calcium	Ca	300	200,000
Cadmium	Cd	0.02	1,000
Cerium	Ce	0.2	1,000
Cobalt	Co	0.2	10,000
Chromium	Cr	0.2	5,000
Cesium	Cs	0.2	1,000
Copper	Cu	0.5	10,000
Dysprosium	Dy	0.05	1,000
Erbium	Er	0.05	1,000
Europium	Eu	0.05	1,000
Iron	Fe	300	250,000
Gallium	Ga	0.05	10,000
Gadolinium	Gd	0.05	1,000
Germanium	Ge	0.02	100
Hafnium	Hf	0.03	1,000
Mercury	Hg	0.01	100
Holmium	Ho	0.05	1,000
Indium	In	0.008	1,000
Potassium	K	300	100,000
Lanthanum	La	0.1	1,000
Lithium	Li	5	8,000
Lutetium	Lu	0.05	1,000
Magnesium	Mg	100	200,000
Manganese	Mn	5	50,000
Molybdenum	Mo	0.2	10,000

NAME	ANALYTE	LDL	UDL
Sodium	Na	100	40,000
Niobium	Nb	0.03	10,000
Neodymium	Nd	0.05	1,000
Nickel	Ni	0.5	10,000
Phosphorous	P	20	100,000
Lead	Pb	3	10,000
Praseodymium	Pr	0.05	1,000
Rubidium	Rb	0.8	1,000
Rhenium	Re	0.003	1,000
Sulfur	S	30	200,000
Antimony	Sb	0.05	10,000
Scandium	Sc	0.05	1,000
Selenium	Se	0.05	1,000
Samarium	Sm	0.05	1,000
Tin	Sn	0.05	10,000
Strontium	Sr	5	10,000
Tantalum	Ta	0.03	1,000
Tellurium	Te	0.03	100
Thorium	Th	0.08	10,000
Titanium	Ti	30	100,000
Thallium	Tl	0.008	100
Uranium	U	0.05	10,000
Vanadium	V	3	5,000
Tungsten	W	0.07	10,000
Yttrium	Y	0.05	1,000
Ytterbium	Yb	0.05	1,000
Zinc	Zn	3	10,000
Zirconium	Zr	0.3	1,000

2A DIGESTION

DIGEST 2A

Sample is digested with HNO₃+HCl

ANALYSIS

Agilent5110/Agilent7900

LIMITATION

Partial digest with many resistant phases that are not digested.

CODE	DESCRIPTION	ANALYTE	PRICE PER SAMPLE
IO-2AEx	ICP-OES	Any analyte from IO-2A12	\$7.30 + \$1 per element
IM-2AEx	ICP-OES+MS	Any analyte from IM-2A16	\$13.60 + \$1 per element
IO-2AOR	2 acid Ore Grade analysis for overrange elements ICP-OES	Any analyte from IO-2A12	\$10.40 + \$1 per element

CODE	NAME	ANALYTE	RANGE	PRICE PER SAMPLE
IO-2AAg	Silver	Ag	0.3-100	\$8.40
IO-2AHg	Mercury	Hg	0.5-500	\$8.40
IM-2AHg	Mercury	Hg	0.01-500	\$14.60

CODE	DESCRIPTION	PRICE PER SAMPLE
IO-2A12	0.5g, 2 acid hot block, ICP-OES, ppm	\$11.20

NAME	ANALYTE	LDL	UDL	NAME	ANALYTE	LDL	UDL
Silver	Ag	0.3	100	Molybdenum	Mo	1	10,000
Arsenic	As	2	10,000	Lead	Pb	3	10,000
Calcium	Ca	300	200,000	Sulfur	S	30	200,000
Copper	Cu	1	10,000	Antimony	Sb	2	10,000
Iron	Fe	300	250,000	Uranium	U	8	10,000
Mercury	Hg	0.5	500	Zinc	Zn	3	10,000

CODE	DESCRIPTION	PRICE PER SAMPLE
IM-2A16	0.5g, 2 acid hot block, ICP-OES, ppm	\$19.25

NAME	ANALYTE	LDL	UDL	NAME	ANALYTE	LDL	UDL
Silver	Ag	0.3	100	Lead	Pb	3	10,000
Arsenic	As	0.5	10,000	Sulfur	S	30	200,000
Bismuth	Bi	0.02	10,000	Antimony	Sb	0.05	10,000
Calcium	Ca	300	200,000	Selenium	Se	0.05	1,000
Copper	Cu	1	10,000	Tellurium	Te	0.03	100
Iron	Fe	300	250,000	Thallium	Tl	0.08	100
Mercury	Hg	0.01	500	Uranium	U	0.05	10,000
Molybdenum	Mo	0.2	10,000	Zinc	Zn	3	10,000

ELTRA CARBON & SULFUR ANALYSIS



ELTRA

DIGEST

ELTRA CS is an induction furnace, heating samples to >2000°C to generate CO₂ and SO₂ that are analyzed by infrared emitters and detectors

ANALYSIS

ELTRA C/S Analyzer CSi

LIMITATION

Samples with barite and celestite may affect results.

CODE	DESCRIPTION	ANALYTE	RANGE	PRICE PER SAMPLE
E-CS	0.3g, ELTRA CSi (Total)	Carbon (C)	0.01-8%	\$27.00
		Sulfur (S)	0.01-8%	
E-CSL	0.3g, HCl Leach, ELTRA CSi (Leach)	Organic Carbon	0.01-8%	\$36.40
		Sulfide	0.01-8%	
		Inorganic Carbon*	0.01-8%	
		Sulfate*	0.01-8%	
E-CSR	0.3g, Roast 500C, ELTRA CSi (Roast)	Inorganic Carbon	0.01-8%	\$46.80
		Sulfate	0.01-8%	

*Calculated Value

PACKAGE CODE	DESCRIPTION	PRICE PER SAMPLE
E-CS +E-CSL	Total and Leach ELTRA analysis Includes analytes: Total C, Total S, Organic C, Sulfide, Inorganic C*, Sulfate*	\$63.50
E-CS +E-CSL +E-CSR	Total, Leach and Roast ELTRA analysis Includes analytes: Total C, Total S, Organic C, Sulfide, Inorganic C, Sulfate Note: E-CSR must be run with E-CSL in order to get accurate Organic C and Sulfate values	\$110.25

*Analytes results are calculated values

CODE	DESCRIPTION	ANALYTE	RANGE	PRICE PER SAMPLE
E-SNL	0.3g, Na ₂ CO ₃ leach, ELTRA CSi	Sulfide	0.01-8%	\$41.00

SODIUM PEROXIDE (Na_2O_2) FUSION



SODIUM PEROXIDE (Na₂O₂) FUSION

DIGEST Sample is fused with Sodium Peroxide flux for total digestion in carbon crucible.

ANALYSIS Agilent5110/Agilent7900

LIMITATION Sulfide (S>10%) and/or Carbon (C>10%) samples may explode during fusion.

CODE	DESCRIPTION	ANALYTE	PRICE PER SAMPLE
IO-NFEx	Sodium Peroxide Fusion, ICP-OES	Any analyte from IO-NF42	\$19.80 + \$1 per element

CODE	DESCRIPTION	PRICE PER SAMPLE
IO-NF27	0.5g, Sodium Peroxide, ICP-OES, ppm	\$30.20

NAME	ANALYTE	LDL	UDL
Boron	B	30	100,000
Barium	Ba	5	5,000
Calcium	Ca	1,000	350,000
Cerium	Ce	2	50,000
Dysprosium	Dy	2	50,000
Erbium	Er	2	50,000
Europium	Eu	2	50,000
Iron	Fe	500	500,000
Gadolinium	Gd	5	50,000
Holmium	Ho	2	50,000
Lanthanum	La	2	50,000
Lithium	Li	2	50,000
Lutetium	Lu	2	50,000
Niobium	Nb	5	100,000

NAME	ANALYTE	LDL	UDL
Neodymium	Nd	2	50,000
Phosphorous	P	50	100,000
Praseodymium	Pr	5	50,000
Scandium	Sc	2	50,000
Samarium	Sm	2	50,000
Strontium	Sr	5	100,000
Terbium	Tb	3	50,000
Thorium	Th	50	100,000
Titanium	Ti	10	100,000
Thulium	Tm	2	50,000
Yttrium	Y	2	50,000
Ytterbium	Yb	2	50,000
Zirconium	Zr	2	100,000

PACKAGE CODE	DESCRIPTION	PRICE PER SAMPLE
IM-NF5	15g, Sodium Peroxide, ICP-MS, ppm	\$93.60

NAME	ANALYTE	LDL	UDL
Iridium	Ir	0.001	1,000
Palladium	Pd	0.001	1,000
Platinum	Pt	0.001	1,000

NAME	ANALYTE	LDL	UDL
Rhodium	Rh	0.001	1,000
Ruthenium	Ru	0.001	1,000

CODE	DESCRIPTION	PRICE PER SAMPLE
IO-NF42	0.5g, Sodium Peroxide, ICP-OES, ppm	\$44.75

NAME	ANALYTE	LDL	UDL
Aluminum	Al	500	400,000
Boron	B	30	100,000
Barium	Ba	5	5,000
Beryllium	Be	0.2	10,000
Calcium	Ca	1,000	350,000
Cerium	Ce	2	50,000
Chromium	Cr	5	100,000
Copper	Cu	10	100,000
Dysprosium	Dy	2	50,000
Erbium	Er	2	50,000
Europium	Eu	2	50,000
Iron	Fe	500	500,000
Gadolinium	Gd	5	50,000
Holmium	Ho	2	50,000
Potassium	K	300	100,000
Lanthanum	La	2	50,000
Lithium	Li	2	50,000
Lutetium	Lu	2	50,000
Magnesium	Mg	300	300,000
Manganese	Mn	20	250,000
Molybdenum	Mo	5	50,000
Niobium	Nb	5	100,000

NAME	ANALYTE	LDL	UDL
Neodymium	Nd	2	50,000
Nickel	Ni	5	100,000
Phosphorous	P	50	100,000
Praseodymium	Pr	5	50,000
Sulfur	S	200	200,000
Scandium	Sc	2	50,000
Samarium	Sm	2	50,000
Tin	Sn	20	200,000
Strontium	Sr	5	100,000
Tantalum	Ta	10	100,000
Terbium	Tb	3	50,000
Thorium	Th	50	100,000
Titanium	Ti	10	100,000
Thulium	Tm	2	50,000
Uranium	U	50	100,000
Vanadium	V	15	100,000
Tungsten	W	20	100,000
Yttrium	Y	2	50,000
Ytterbium	Yb	2	50,000
Zinc	Zn	20	100,000
Zirconium	Zr	2	100,000



HYDRO-GEO



HYDRO-GEO

DIGEST Sample is read as received.

ANALYSIS Agilent5110/Agilent7900

LIMITATION Samples may need filtration 0.2u to remove sediment (\$7 charge)
Sample with TDS >1% need dilution and degradation of LDL

CODE	DESCRIPTION	PRICE PER SAMPLE
IO-SOLN	ICP-OES solution reading	\$11.50

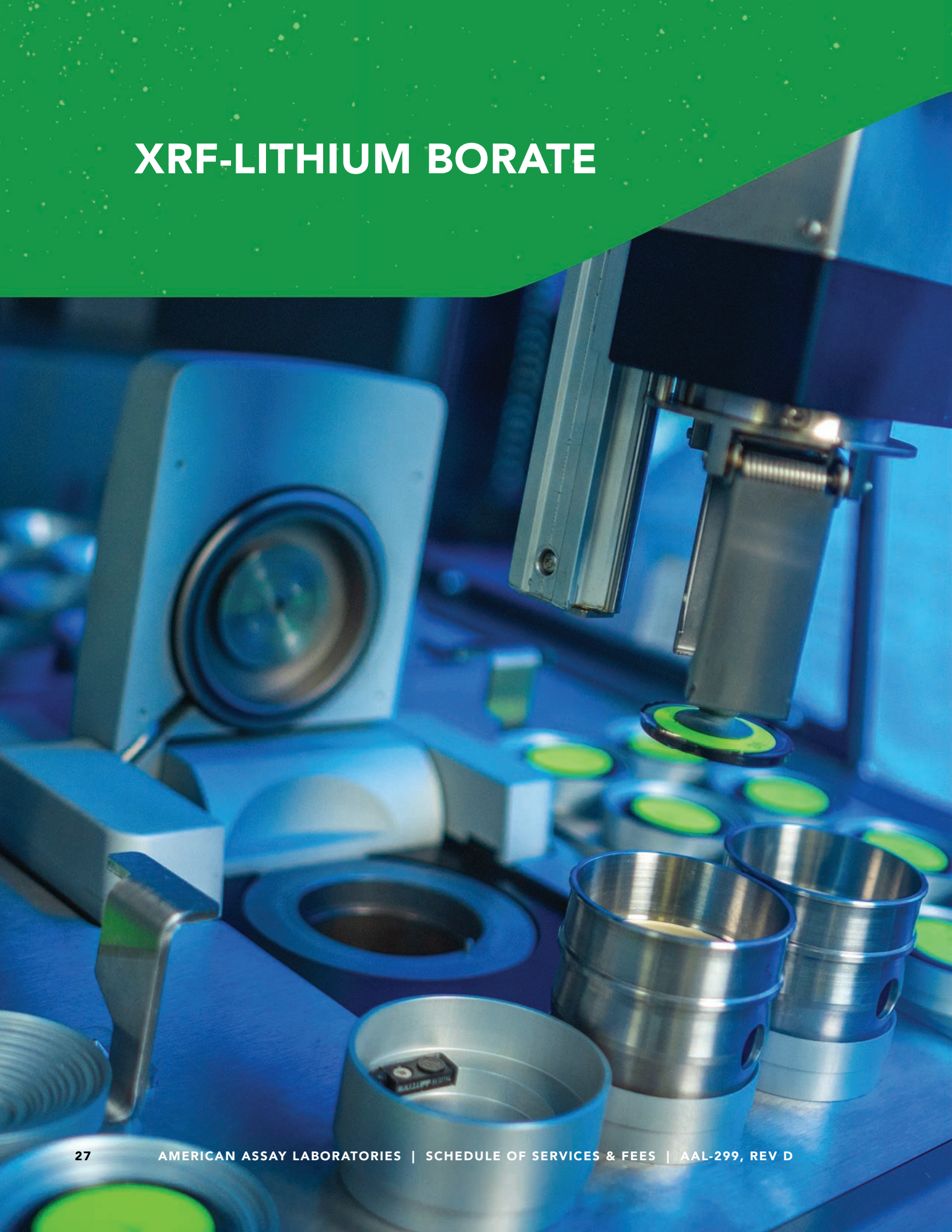
CODE	DESCRIPTION	PRICE PER SAMPLE
IO-HYDRO11	As received, ICP-OES, mg/L	\$31.20

NAME	ANALYTE	LDL	NAME	ANALYTE	LDL	NAME	ANALYTE	LDL
Aluminum	Al	5	Potassium	K	10	Lead	Pb	0.05
Barium	Ba	0.01	Magnesium	Mg	5	Sulfate	SO₄²⁻	0.5
Calcium	Ca	10	Manganese	Mn	0.02	Strontium	Sr	0.05
Copper	Cu	0.1	Sodium	Na	10	Titanium	Ti	0.2
Iron	Fe	2	Phosphorous	P	5	Zinc	Zn	0.2

CODE	DESCRIPTION	PRICE PER SAMPLE
IO-HYDRO25	As received, ICP-OES, mg/L	\$57.20

NAME	ANALYTE	LDL	NAME	ANALYTE	LDL	NAME	ANALYTE	LDL
Aluminum	Al	5	Lithium	Li	0.05	Silicon	Si	0.01
Arsenic	As	0.05	Magnesium	Mg	5	Strontium	Sr	0.05
Barium	Ba	0.01	Manganese	Mn	0.02	Thorium	Th	0.005
Calcium	Ca	10	Molybdenum	Mo	0.05	Titanium	Ti	0.2
Cerium	Ce	0.001	Sodium	Na	10	Uranium	U	0.002
Copper	Cu	0.1	Nickel	Ni	0.1	Vanadium	V	0.02
Iron	Fe	2	Phosphorous	P	5	Yttrium	Y	0.005
Mercury	Hg	0.01	Lead	Pb	0.05	Zinc	Zn	0.2
Potassium	K	10	Sulfate	SO₄²⁻	0.5	Zirconium	Zr	0.02
Lanthanum	La	0.005	Antimony	Sb	0.01			

XRF-LITHIUM BORATE



XRF-LITHIUM BORATE

DIGEST

Sample is fluxed with LiBorate/LiNO₃ flux in automatic fusion equipment
 Sample is fused in a Pt/Au crucible at 1050°C and poured into Pt/Au mold
 Multi-Temperature LOI available on request

ANALYSIS

Zetium WD-XRF

LIMITATION

High Sulfide (S>10%) samples may not oxidize and fuse quantitatively

CODE	DESCRIPTION	NAME	RANGE	PRICE PER SAMPLE
XW-CI11	Lithium Borate Fusion, XRF-WD, ppm	Chlorine (Cl)	50-100,000	\$24.00
XW-F11	Lithium Borate Fusion, XRF-WD (Not Suitable for Fe>10% samples), ppm	Fluorine (F)	50-100,000	\$24.00

CODE	DESCRIPTION	PRICE PER SAMPLE
XW-LiB16	0.5g, LiBorate, Zetium WD-XRF + LOI, %	\$43.70

NAME	ANALYTE	LDL	UDL
Aluminum Oxide	Al2O3	0.01	100
Barium Oxide	BaO	0.01	10
Calcium Oxide	CaO	0.01	40
Chromic Oxide	Cr2O3	0.005	10
Iron Oxide	Fe2O3	0.01	100
Potassium Oxide	K2O	0.005	10
Magnesium Oxide	MgO	0.01	50
Manganese (II) Oxide	MnO	0.005	30

NAME	ANALYTE	LDL	UDL
Sodium Oxide	Na2O	0.01	10
Phosphorous Pentoxide	P2O5	0.005	10
Sulfur Trioxide	SO3	0.01	10
Silicon Dioxide	SiO2	0.01	100
Strontium Oxide	SrO	0.005	2
Titanium Dioxide	TiO2	0.01	30
Vanadium Oxide	V2O5	0.005	10
Loss of Ignition	LOI 1000C	0.01	50

CODE	DESCRIPTION	PRICE PER SAMPLE
XW-LiB28	0.5g, LiBorate, WD-XRF + LOI, %	\$54.10

NAME	ANALYTE	LDL	UDL
Aluminum Oxide	Al2O3	0.01	100
Barium Oxide	BaO	0.01	10
Calcium Oxide	CaO	0.01	40
Cerium (IV) Oxide	CeO2	0.01	10
Chromic Oxide	Cr2O3	0.005	10
Iron Oxide	Fe2O3	0.01	100
Gadolinium Oxide	Gd2O3	0.01	10
Potassium Oxide	K2O	0.005	10
Lanthanum (III) Oxide	La2O3	0.02	10
Magnesium Oxide	MgO	0.01	50
Manganese (II) Oxide	MnO	0.005	30
Sodium Oxide	Na2O	0.01	10
Niobium Pentoxide	Nb2O5	0.005	5
Neodymium Oxide	Nd2O3	0.01	10

NAME	ANALYTE	LDL	UDL
Phosphorous Pentoxide	P2O5	0.005	10
Praseodymium Oxide	Pr6O11	0.01	10
Rubidium Oxide	Rb2O	0.01	10
Sulfur Trioxide	SO3	0.01	10
Silicon Dioxide	SiO2	0.01	100
Samarium Oxide	Sm2O3	0.01	10
Strontium Oxide	SrO	0.005	2
Thorium Dioxide	ThO2	0.005	5
Titanium Dioxide	TiO2	0.01	30
Vanadium Oxide	V2O5	0.005	10
Yttrium Oxide	Y2O3	0.005	10
Zinc Oxide	ZnO	0.005	5
Zirconium Oxide	ZrO2	0.05	5
Loss of Ignition	LOI 1000C	0.01	50

XRF-WHOLE ROCK

DESCRIPTION Whole Rock analysis encompasses a variety of analysis. Different analytes will require different analyses for the optimal results.

ANALYSIS Zetium WD-XRF, LOI, ELTRA CSi, Direct Mercury Analyzer (DMA), ICP-OES

LIMITATION Refer to limitations from other analysis pages.

CODE	DESCRIPTION	PRICE PER SAMPLE
XW-WR	0.5g, LiBorate, Zetium WD-XRF + LOI %	\$58.25

NAME	ANALYTE	LDL	UDL
Aluminum Oxide	Al2O3	0.01	100
Barium Oxide	BaO	0.01	10
Calcium Oxide	CaO	0.01	40
Cerium (IV) Oxide	CeO2	0.01	10
Chlorine	Cl	0.01	5
Chromic Oxide	Cr2O3	0.005	10
Cupric Oxide	CuO	0.005	2
Iron Oxide	Fe2O3	0.01	100
Potassium Oxide	K2O	0.005	10
Lanthanum (III) Oxide	La2O3	0.02	10
Magnesium Oxide	MgO	0.01	50
Manganese (II) Oxide	MnO	0.005	30
Molybdenum Trioxide	MoO3	0.005	5
Sodium Oxide	Na2O	0.01	10
Niobium Pentoxide	Nb2O5	0.005	5
Nickel (III) Oxide	NiO	0.01	10

NAME	ANALYTE	LDL	UDL
Phosphorous Pentoxide	P2O5	0.005	10
Sulfur Trioxide	SO3	0.01	10
Antimony	Sb	0.02	5
Silicon Dioxide	SiO2	0.01	100
Tin	Sn	0.02	5
Strontium Oxide	SrO	0.005	2
Thorium Dioxide	ThO2	0.005	5
Titanium Dioxide	TiO2	0.01	30
Triuranium Octoxide	U3O8	0.005	5
Tungsten Oxide	WO3	0.01	10
Yttrium Oxide	Y2O3	0.005	10
Zinc Oxide	ZnO	0.005	5
Zirconium Oxide	ZrO2	0.05	5
Loss of Ignition	LOI 1000C	0.01	50

PACKAGE CODE	DESCRIPTION	PRICE PER SAMPLE	
XW-WR	XW-WR (%) Addition: ELTRA (%)	\$73.90	
ANALYSIS	ANALYTE	LDL	UDL
XW-WR	All analytes from XW-WR	N/A	N/A
ELTRA	Carbon (C)	0.01	8

PACKAGE CODE	DESCRIPTION	PRICE PER SAMPLE	
XW-WRC+DMA	XW-WR (%)	\$91.00	
ANALYSIS	ANALYTE	LDL	UDL
WX-XRC	All analytes from XW-WRC	N/A	N/A
ELTRA	Carbon (C)	0.01	8
DMA	Mercury (Hg)	0.0000005	0.0005

PACKAGE CODE	DESCRIPTION	PRICE PER SAMPLE	
XW-WRC+ DMA + 4AB28	The plus package includes additional oxides from the XW-WR package. Package includes different lower limits for some analytes (%). Addition: ELTRA (%), DMA (ppm) and IO-4AB28 (ppm)	\$115.00	
ANALYSIS	ANALYTE	LDL	UDL
WX-XRC	Analytes from XW-WRC, additional analytes listed below	N/A	N/A
ELTRA	Carbon (C)	0.01	8
DMA	Mercury (Hg)	0.0000005	0.0005
ICP-OES	Analytes from code IO-4AB28, see list below	N/A	N/A

NAME	ANALYTE	LDL	UDL
Silver	Ag	0.0001	0.01
Aluminum Oxide	Al2O3	0.01	100
Arsenic Trioxide	As2O3	0.0002	1
Barium Oxide	BaO	0.0005	10
Bismuth Oxide	Bi2O3	0.0005	1
Carbon	C	0.01	20
Calcium Oxide	CaO	0.01	40
Cerium (IV) Oxide	CeO2	0.0001	10
Chlorine	Cl	0.01	5
Cobalt	Co	0.0001	5
Chromic Oxide	Cr2O3	0.0001	2
Iron Oxide	Fe2O3	0.01	100
Gallium Oxide	Ga2O3	0.001	10
Mercury	Hg*	0.0000005	0.0005
Potassium Oxide	K2O	0.005	10
Lanthanum (III) Oxide	La2O3	0.001	10
Lithium	Li	0.0001	1
Magnesium Oxide	MgO	0.01	50
Manganese (II) Oxide	MnO	0.0005	30
Molybdenum Trioxide	MoO3	0.0001	5

NAME	ANALYTE	LDL	UDL
Sodium Oxide	Na2O	0.01	10
Niobium Pentoxide	Nb2O5	0.005	5
Nickel (II) Oxide	NiO	0.0001	10
Phosphorous Pentoxide	P2O5	0.0001	10
Lead (II) Oxide	PbO	0.0003	5
Sulfur Trioxide	SO3	0.005	10
Antimony	Sb	0.0002	5
Scandium	Sc	0.0001	0.1
Silicon Dioxide	SiO2	0.01	100
Tin	Sn	0.02	5
Strontium Oxide	SrO	0.0001	2
Thorium Dioxide	ThO2	0.002	5
Titanium Dioxide	TiO2	0.001	30
Triuranium Octoxide	U3O8	0.0008	5
Vanadium Oxide	V2O5	0.0001	5
Tungsten Oxide	WO3	0.0002	10
Yttrium Oxide	Y2O3	0.0001	10
Zinc Oxide	ZnO	0.0002	5
Zirconium Oxide	ZrO2	0.05	5
Loss of Ignition	LOI 1000C	0.01	50

*Note: can request XW-WRC+ 4AB28 (\$97) which includes analytes listed above and Hg (0.0001-1ppm)



OVERVIEW: PLATINUM GROUP METALS

NOTE: UNIT IS PPM UNLESS INDICATED OTHERWISE

PALLADIUM (Pd)

CODE	LL	UL
IM-NF5	0.001	1,000
IO-FAPGM30	0.003	10

PLATINUM (Pt)

CODE	LL	UL
IM-NF5	0.001	1,000
IO-FAPGM30	0.005	10

IRIDIUM (Ir)

CODE	LL	UL
IM-NF5	0.001	1,000

RHODIUM (Rh)

CODE	LL	UL
IM-NF5	0.001	1,000

RUTHENIUM (Ru)

CODE	LL	UL
IM-NF5	0.001	1,000



OVERVIEW: METALS

NOTE: UNIT IS PPM UNLESS INDICATED OTHERWISE

LITHIUM (Li)

CODE	LL	UL
IO-4AB12	5	8,000
IO-4AB28	5	8,000
IO-4AB51	5	8,000
IM-4AB52	5	8,000
IM-4AB61	5	8,000
IO-LiBRI	0.01	1,000
IO-NF27	2	50,000
IO-NF42	2	50,000
IO-HYDRO25*	0.05	

*Method reports values in mg/L

SILVER (Ag)

CODE	LL	UL
IO-4AB12	0.3	100
IO-4AB28	0.3	100
IO-4AB51	0.3	100
IM-4AB52	0.3	100
IM-4AB61	0.3	100
IM-4AB26	0.3	100
IO-4ABAg	0.3	100
IO-2AAg	0.3	100
IO-2A12	0.3	100
IM-2A16	0.3	100
G-FAAuAg	20	10,000
IO-CNAu215	0.01	300
IO-CNAu230	0.01	300
IO-CNAu260	0.01	300

GOLD (Au)

CODE	LL	UL
IO-FAAu30	0.003	10
IO-FAAu50	0.003	10
IO-FAPGM30	0.003	10
G-FAAu	0.5	10,000
G-FAAuAg	0.5	10,000
IO-FASFAu11	0.05	10,000
G-FASFAu11	0.05	10,000
G-FAAuC11	1	10,000
IO-CNBLEG1	0.0001	10
IO-CNAu210+PREG	0.01	100
IO-CNAuSOL*	0.001	2,000
IO-CNAu215	0.01	100
IO-CNAu230	0.01	100
IO-CNAu260	0.01	100

*Method reports values in mg/L



OVERVIEW: RARE EARTH ELEMENTS

NOTE: UNIT IS PPM UNLESS INDICATED OTHERWISE

DYSPROSIUM (Dy)

CODE	LL	UL
IO-4AB51	1	1,000
IM-4AB61	0.05	1,000
IO-NF27	2	50,000
IO-NF42	2	50,000

ERBIUM (Er)

CODE	LL	UL
IO-4AB51	1	1,000
IM-4AB61	0.05	1,000
IO-NF27	2	50,000
IO-NF42	2	50,000

EUROPIUM (Eu)

CODE	LL	UL
IO-4AB51	1	1,000
IM-4AB61	0.05	1,000
IO-NF27	2	50,000
IO-NF42	2	50,000

GADOLINIUM (Gd)

CODE	LL	UL
IO-4AB51	1	1,000
IM-4AB61	0.05	1,000
IO-NF27	2	50,000
IO-NF42	2	50,000

HOLMIUM (Ho)

CODE	LL	UL
IO-4AB51	1	1,000
IM-4AB61	0.05	1,000
IO-NF27	2	50,000
IO-NF42	2	50,000

LUTETIUM (Lu)

CODE	LL	UL
IO-4AB51	1	1,000
IM-4AB61	0.05	1,000
IO-NF27	2	50,000
IO-NF42	2	50,000

NEODYMIUM (Nd)

CODE	LL	UL
IO-4AB51	1	1,000
IM-4AB61	0.05	1,000
IO-NF27	2	50,000
IO-NF42	2	50,000
IM-4AB26	1	500

PRASEODYMIUM (Pr)

CODE	LL	UL
IO-4AB51	1	1,000
IM-4AB61	0.05	1,000
IO-NF27	5	50,000
IO-NF42	5	50,000

SAMARIUM (Sm)

CODE	LL	UL
IO-4AB51	1	1,000
IM-4AB61	0.05	1,000
IO-NF27	2	50,000
IO-NF42	2	50,000

TERBIUM (Tb)

CODE	LL	UL
IO-4AB51	1	1,000
IM-4AB61	0.2	1,000
IO-NF27	3	50,000
IO-NF42	3	50,000

THULIUM (Tm)

CODE	LL	UL
IO-4AB51	1	1,000
IM-4AB61	0.05	1,000
IO-NF27	2	50,000
IO-NF42	2	50,000

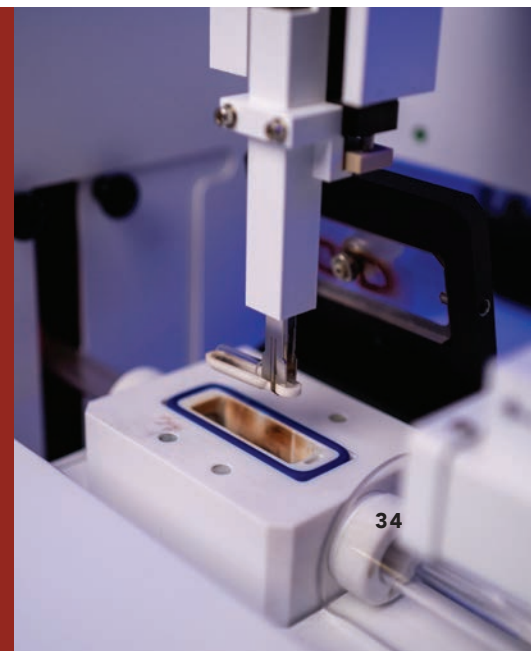
YTTERBIUM (Yb)

CODE	LL	UL
IO-4AB51	1	1,000
IM-4AB61	0.05	1,000
IO-NF27	2	50,000
IO-NF42	2	50,000



ADVANCEMENT IN TECHNOLOGY

The IT team is engaged in the in-house development of our Laboratory Information Management System (LIMS) and Client Portal. Our digital tools are tailored to streamline how we identify, analyze, and report sample data in an efficient and timely fashion. With decades of experience, our team understands the technological landscape and industry-specific challenges needed to continually improve on quality assurance. Our software is custom designed to be user-friendly for our internal and external operations. Our commitment to developing dynamic program solutions is grounded in a systematic approach, ensuring that the tools we create are robust and adaptable to the evolving needs of the industry.





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