

Analytical Service Prices

<u>Water Analysis</u>	<u>Cost</u>	<u>Ion Analysis</u>	<u>Cost</u>
Acidity	\$13	Preparation	\$15
Alkalinity	\$13	Chlorides	\$7
Chlorine, Free	\$10	Fluoride	\$7
Chlorine, Total	\$10	Nitrate	\$7
Conductivity	\$8	Nitrite	\$7
Iron, Ferric	\$15	Phosphate	\$7
Iron, Ferrous	\$15	Sulfate	\$7
pH, Water	\$6		
Settleable Solids	\$15		
Total Dissolved Solids	\$12		
Total Hardness	\$10		
Total Petroleum Hydrocarbons	\$90		
Total Suspended Solids	\$10		
Volatiles	\$30		
Sample Bottle Shipping	\$15		
Sample Composition/Preparation	\$10		

<u>Gas Analysis</u>	<u>Cost</u>
Air Analysis - Rush 24 hour turn around on a Gas Analysis	\$100
Complete Gas Analysis (Hydrogen - C3 Hydrocarbons) Hydrogen, Oxygen, Argon, Nitrogen, Propylene, Propane, Ethane, Ethylene, Acetylene, Methane, Carbon Dioxide, Carbon Monoxide	\$100
Light Hydrocarbons C1-C3 Methane, Acetylene, Ethylene, Ethane, Propane, Propylene	\$50
Partial Gas Analysis Carbon Dioxide, Carbon Monoxide, Methane, Nitrogen, Oxygen	\$25

Tedlar Bag	\$20
Sample Bottle (if shipped, plus shipping)	\$10

<u>Solid Analysis</u>	Cost	Cost
Ash	\$25	% Sand, Silt, Clay \$40
Calorific Value, BTU	\$30	Short Proximate – Coal Composite
% Combustible	\$30	Bags each 50 lbs max. \$125
Moisture	\$25	Sieve Analysis, 6 Screens \$40
Neutralization Potential	\$22	Sulfur - Pyritic \$25
Oil and Grease	\$90	Sulfur - Total \$25
Organic Carbon	\$30	Volatile Matter \$30
pH, Soil	\$10	Sample Container Shipping \$15
Phosphorus, Available, P1	\$20	Sample Composition Preparation \$10
Phosphorus, Extractable, P2	\$20	Sample Prep. Coal, Slurry, Refuse \$35
Proximate - Coal	\$175	Sample Prep. Non-Aqueous \$35
S.M.P. Buffer pH	\$6	

Solid Analysis that must be performed in combination with other analysis.

Cation Exchange Capacity	\$2
Requires Soil pH, S.M.P. Buffer pH, Exchangeable Soil Nutrients	
Lime Requirement-at least 90% TNP	\$2
Requires Soil pH, S.M.P. Buffer pH, Neutralization Potential	
Max. Potential Acidity	\$2
Requires Soil pH, S.M.P. Buffer pH, Sulfur	
Phosphorus recommendation	\$2
Requires Phosphorus - Available, Phosphorus - Extractable	
Potassium recommendation	\$2
Requires Soil pH, S.M.P. Buffer pH, Exchangeable Soil Nutrients	
Net Alkalinity/Acidity	\$2
Requires Soil pH, S.M.P. Buffer pH, Sulfur, Neutralization Potential	

<u>Microbial Analysis</u>	Cost
Total coli.- conf., Pres/Abs, ROUTINE	\$17
Total coli.- conf., Pres/Abs, BOIL ORDER	\$15
Total coli.- tube fermentation, Most Probable Number, NEW CONST.	\$25
Fecal coli.-confirmed, Most Probable Number	\$18
Total coli.- confirmed, Most Probable Number	\$20
Sample Bottle Shipping	\$15
Extended hours fee	\$25

<u>Elemental Analysis</u>	Cost
Sample Preperation	
Dissolved metal prep.	\$15
Aqueous sample filtered for dissolved metal analysis with nitric acid extraction	
Partial Dissolved metal prep.	\$5
Aqueous sample filtered and acidified prior to laboratory submission for dissolved metal analysis with nitric acid extraction	
Total metal prep.	\$5
Aqueous sample with nitric acid extraction for total metal analysis	
Solid matrix prep.	\$7
Non-aqueous sample with nitric acid extraction for total metal analysis	
Special sample prep / analysis	\$20-\$100
any extraction other than nitric acid; cost will vary depending on specific method	

Semi-Quant analysis

A semi-quant is a broad analysis of a sample to test for the presence of more than 60 elements as well as an estimated concentration. These results will be giving in mg/L and have an error of ± 15 percent at low mg/L levels and larger error at increased concentrations.

Semi-quant with less than 3 elements Quantitative	\$100
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Quantitative analysis

These results will be given in mg/L. The detection range and error vary depending on the element. The general range is from percent to sub-ppm concentrations.

Per element analyzed		\$10
Package I		\$25
Al, Fe, Mn	add \$80 for semi-quant	
Package II (AMD Basic)		\$70
Al, Ca, Fe, K, Mg, Mn, Na, Ni, Zn	add \$75 for semi-quant	
Package III		\$100
Al, Ca, Cr, Cu, Fe, K, Mg, Mn, Na, Ni, Pb, Sr, Zn	add \$75 for semi-quant	
Package IV (AMD Enhanced)		\$120
Ag, Al, As, Ca, Cd, Cr, Cu, Fe, K, Mg, Mn, Na, Ni, Pb, Se, Zn	add \$75 for semi-quant	
Package V		\$125
Al, B, Ca, Co, Cr, Cu, Fe, K, Li, Mg, Mn, Mo, Na, Ni, Pb, Sr, Zn	add \$50 for semi-quant	
Package VI		\$200
Ag, Al, As, B, Ba, Be, Bi, Ca, Cd, Co, Cr, Cu, Fe, K, Li, Mg, Mn, Mo, Na, Ni, Pb, Sb, Se, Sr, Ti, Tl, V, Zn	add \$50 for semi-quant	
VGA analysis		\$100
Lowers the detection range 10 to 1000 times of certain metals (As, Bi, Ge, Hg, Pb, Sb, Se, Sn, Te)		
Exchangeable Soil Nutrients		\$36
Ca, K, Mg, Na		

Custom multi element package discounts available. Please contact for estimate.