XRD1 - Bulk Only XRD Analysis

Semiquantitative determinations of non-clay mineral weight percentages are done using Rietveld refinement and whole pattern fitting. An estimate of total clay content is included. This analysis is suitable for samples with little or no clay content.

XRD2 - Clay (<4 micron) Only XRD Analysis

Semi-quantitative determination of clay and non-clay mineral weight percentages in the <4 micron fraction are done using the RIR method with empirical calibration factors. This analysis is suitable for samples with appreciable clay content, however, this only analyzes a fraction of the sample. Contact us for more information to determine if it is suitable for your samples.

XRD3 - Bulk and Clay (<4 micron) XRD Analysis

Semiquantitative determinations of non-clay and clay mineral weight percentages are done using Rietveld refinement and whole pattern fitting. This analysis is the most commonly requested and is suitable for all sample types.

All XRD Sample Size: 1 gram minimum (2-5 grams preferred)

XRD Volume Discounts

26 to 50 samples - 5% discount
51 or more samples - 10% discount

Rush Turnaround Surcharge on XRD

1 day - 200% upcharge
3 days - 100% upcharge
7 days - 50% upcharge
2-3 weeks - Standard (no upcharge)
GC1 – Geochemistry  
1-2 samples $70 each, 3-9 samples $60 each, 10 or more samples $50 each  
Al2O3, BaO, CaO, Cr2O3, Fe2O3, K2O, MgO, MnO, Na2O, P2O5, SO3, SiO2, SrO, TiO2, LOI

GC2 – Geochemistry  
1-2 samples $80 each, 3-9 samples $70 each, 10 or more samples $60 each  
Al2O3, BaO, CaO, Cr2O3, Fe2O3, K2O, MgO, MnO, Na2O, P2O5, SiO2, SrO, TiO2, LOI, Ba, Ce, Cr, Cs, Dy, Er, Eu, Ga, Gd, Hf, Ho, La, Lu, Nb, Nd, Pr, Rb, Sm, Sn, Sr, Ta, Tb, Th, Tm, U, V, W, Y, Yb, Zr

GC3 – Geochemistry  
1-2 samples $125 each, 3-9 samples $115 each, 10 or more samples $105 each

TOC - Total Organic Carbon (TOC) Analysis  
$50

SP - Sample Picking (drill cuttings)  
$30

HR – Removal of hydrocarbons (Sample Cleaning)  
$30