Amptek, Inc XRF Analysis Report

File: C:\CrossRoads Scientific\SIR-FP Tutorial\MLSQ Files\UnknownRock.tfr
12:29:16 PM 11-Sep-13

Comment line

Layer Table ==========

#	Thick	Type	Error	Units	Density	Norm.	Total
1	0.00	Bulk	0.00	mg/cm2	0.00	On	100.00

Sample Table ==========

Layer	Component	Type	Concn.	Error	Units	Mole%	Error
1	Ba	Calc	1087.89	155.503	ppm	0.047	0.007
1	Cu	Calc	253.43	24.305	ppm	0.024	0.002
1	Ni	Calc	111.49	12.097	ppm	0.011	0.001
1	Rb	Calc	149.23	11.582	ppm	0.010	0.001
1	Sr	Calc	182.34	15.133	ppm	0.012	0.001
1	V	Calc	270.80	40.101	ppm	0.031	0.005
1	Zr	Calc	130.84	7.362	ppm	0.008	0.000
1	P2O5	Calc	0.307	0.287	wt.%	0.128	0.119
1	SiO2	Calc	48.848	0.717	wt.%	48.111	0.706
1	TiO2	Calc	0.933	0.022	wt.%	0.691	0.016
1	Al2O3	Calc	20.522	0.761	wt.%	11.911	0.442
1	Fe2O3	Calc	9.823	0.044	wt.%	3.640	0.016
1	CaO	Calc	2.722	0.051	wt.%	2.872	0.053
1	MgO	Calc	2.681	1.364	wt.%	3.936	2.003
1	K2O	Calc	3.318	0.068	wt.%	2.084	0.042
1	MnO	Calc	0.141	0.007	wt.%	0.117	0.006
1	S	Calc	0.534	0.055	wt.%	0.985	0.102
1	N	SIRFP	1.821	0.000	wt.%	7.694	0.000
1	O	SIRFP	3.540	0.000	wt.%	13.093	0.000

Element Table ==========

Elmt	Line Code	Cond Code	Ratio Method	Intensity (c/s)	Error (c/s)	Intensity Method	Conc.	Conc Method	Calibration Coefficient
O	Ka	0	None	0.000	0.0000	Gaussian	46.202	None	0.000
Mg	Ka	1	None	1.764	0.8510	Gaussian	1.617	SIRFP	113387.100
Al	Ka	1	None	104.382	2.5362	Gaussian	10.861	SIRFP	118246.900
Si	Ka	1	None	352.441	3.9165	Gaussian	22.834	SIRFP	50925.790
P	Ka	1	None	1.196	1.1151	Gaussian	0.134	SIRFP	18444.560
S	Ka	1	None	43.529	1.8118	Gaussian	0.534	SIRFP	70962.540
K	Ka	1	None	507.708	5.7542	Gaussian	2.754	SIRFP	57676.940
Ca	Ka	1	None	452.836	5.2860	Gaussian	1.945	SIRFP	49934.990
Ti	Ka	1	None	209.188	3.2137	Gaussian	0.559	SIRFP	33556.480
V	Ka	1	None	18.382	1.5499	Gaussian	0.027	SIRFP	47622.900
Mn	Ka	1	None	99.339	2.7048	Gaussian	0.109	SIRFP	39846.670
Fe	Ka	1	None	6733.831	17.7701	Gaussian	6.871	SIRFP	29381.590
Ni	Ka	1	None	24.885	2.3018	Gaussian	0.011	SIRFP	68170.730
Cu	Ka	1	None	93.348	2.3460	Gaussian	0.025	SIRFP	231839.300
Rb	Ka	1	None	51.767	2.1297	Gaussian	0.015	SIRFP	44298.390
Sr	Ka	1	None	62.071	2.2318	Gaussian	0.018	SIRFP	47402.430
Zr	Ka	1	None	45.356	2.0131	Gaussian	0.013	SIRFP	50522.960
Ba	Ka	1	None	17.754	1.8450	Gaussian	0.109	SIRFP	2504930.000

Analysis Conditions ==========

#	Targ	Filter	Thick. mg/cm2	kV	uA	---Detector--- Type	Filter	Thick. mg/cm2	Atmos	Preset Time(s)	Actual Time(s)
1	Ag	None	0.00	40.0	25.0	Si drift	None	0.0	Air	300.0	198.8

Processing Conditions ==========

#	No. Smths	Escape Peaks	Sum Peaks	Back Type	C/R Ratio	Blank Rem.	----Blank---- ----File-----
1	2	Yes	Yes	Auto	Yes	No	

Compton/Rayleigh Results ==========

#	Compton (c/s)	---ROI(keV)--- Low	High	Rayleigh (c/s)	---ROI(keV)--- Low	High
1	263.25	20.220	21.720	96.45	21.720	22.500