

Sample : Nv Sb test
 Operator:
 Comment : 6ch Air-Metal
 Group : 4_Detail
 Date : 2026-09-25 19:34:35

Measurement Condition

 Instrument: EDX-7200 Atmosphere: Air Collimator: 10 (mm)

Analyte	TG kV	uA	FI	Acq. (keV)	Anal. (keV)	Time (sec)	DT (%)
Ti-U	Rh 50	88-Auto	----	0 - 40	4.00-35.00	Live- 60	30
Na-Sc	Rh 15	1000-Auto	----	0 - 20	0.00- 4.40	Live- 60	27
S-Ca	Rh 15	1000-Auto	#2	0 - 20	2.10- 4.10	Live- 60	17
Cr-Fe	Rh 50	113-Auto	#3	0 - 40	5.00- 7.00	Live- 60	29
Zn-As,Pb	Rh 50	823-Auto	#4	0 - 40	8.50-14.50	Live- 60	29
Ru-Sb	Rh 50	1000-Auto	#1	0 - 40	18.50-28.00	Live- 60	14

Qualitative Result

 Element: Al, Rb, Si, Pb, S , Rh, K , Sb, Ba, Ti, Cr, Mn, Fe, Cu, Zn, Ir, As
 Hg, Sr, Zr, In, Sm, Ar, Cs, Y , Nb, Ag, Th, Sn, P , Cl

Peak List

Channel	Line	keV	Net Int. (cps/uA)	
Ti-U	SbLb2	4.10	3.4340	
	BaLa	4.50	1.9238	QF
	TiKa	4.50	3.5524	QF
	BaLb1	4.86	1.1018	
	TiKb	4.94	0.4500	
	CrKa	5.44	0.7153	
	MnKa	5.90	6.6604	
	CrKb	5.94	0.1073	
	FeKa	6.40	297.8960	
	MnKb	6.50	0.9991	
	FeKb	7.06	47.4746	
	CuKa	8.04	4.3042	QF
	ZnKa	8.64	18.0457	
	PbLL	9.24	0.6918	
	IrLa	9.24	0.5555	
	ZnKb	9.58	3.4779	
	PbLa	10.54	7.3872	
	AsKa	10.54	9.9070	
	IrLb1	10.70	0.3055	
	AsKb	11.74	1.5851	
	HgLb1	11.74	0.7049	
	PbLb1	12.64	5.6143	
	RbKa	13.38	7.7528	
	SrKa	14.16	10.1352	
	PbLg1	14.74	1.2285	
	RbKb	14.98	2.0777	
	ZrKa	15.76	8.0697	QF
	SrKb	15.76	3.9330	
	ZrKb	17.68	1.3689	
	RhKaC	19.14	48.7240	
	RhKa	20.18	51.8261	
	RhKbC	21.44	9.4058	
	RhKb	22.72	8.8203	
	RhKb2	23.18	1.0187	
	InKa	24.20	1.3521	
	SbKa	26.34	209.0852	
	SbKb	29.72	45.9024	
	SbKb2	30.40	9.2750	
	BaKa2	31.78	0.9122	
	BaKa1	32.22	1.6205	
	----	32.78	1.0803	
Na-Sc	----	0.96	0.0404	
	SmMa	1.10	0.0220	
	----	1.21	0.0372	

	AlKa	1.49	0.8394	QF
	SiKa	1.74	13.6781	QF
	S Ka	2.31	3.2418	
	S Kb	2.47	0.2015	
	RhLa	2.70	3.2385	
	RhLb1	2.84	1.7974	
	ArKa	2.96	3.4575	
	K Ka	3.32	10.8614	
	K Kb	3.61	2.5776	
	SbLa	3.61	6.0083	
	SbLb1	3.85	3.8275	
	SbLb2	4.09	1.1613	
	SbLg1	4.34	0.2876	
	CsLa	4.34	0.1628	qf

S-Ca	----	2.10	0.0099	
	S Ka	2.31	0.3241	QF
	S Kb	2.49	0.0252	
	ArKa	2.96	0.8190	QF
	K Ka	3.32	4.1085	QF
	K Kb	3.61	0.5712	
	SbLa	3.61	3.6492	
	SbLb1	3.86	2.0042	
	SbLb2	4.10	0.4894	

Cr-Fe	CrKa	5.42	0.2108	QF
	MnKa	5.90	2.5226	QF
	FeKa	6.40	134.2479	QF
	MnKb	6.50	0.4182	

Zn-As, Pb	ZnKa	8.64	1.2365	QF
	PbLL	9.24	0.0736	
	IrLa	9.24	0.0223	QF
	ZnKb	9.58	0.1994	
	PbLa	10.54	1.0705	
	AsKa	10.54	0.7702	
	AsKb	11.74	0.2197	QF
	PbLb4	12.26	0.0363	
	PbLb1	12.62	0.8139	QF
	ThLa	12.98	0.0655	QF
	RbKa	13.38	1.1090	QF
	SrKa	14.14	1.7103	QF

Ru-Sb	InKa	24.12	0.1832	QF
	SbKaESC	24.44	0.1567	
	----	24.70	0.0703	
	SbKa	26.34	33.1651	QF

Quantitative Result

Analyte	Result	[3-sigma]	Proc.-Calc.	Line	Int. (cps/uA)

Si	52.332 %	[0.173]	Quan-FP	SiKa	13.6781
Sb	15.502 %	[0.033]	Quan-FP	SbKa	33.1651
Al	13.181 %	[0.167]	Quan-FP	AlKa	0.8394
Fe	7.110 %	[0.022]	Quan-FP	FeKa	134.2479
K	6.043 %	[0.036]	Quan-FP	K Ka	4.1085
S	3.947 %	[0.081]	Quan-FP	S Ka	0.3241
Ba	0.460 %	[0.032]	Quan-FP	BaLa	1.9238
Ti	0.278 %	[0.010]	Quan-FP	TiKa	3.5524
Zn	0.261 %	[0.003]	Quan-FP	ZnKa	1.2365
Mn	0.207 %	[0.004]	Quan-FP	MnKa	2.5226
Cs	0.169 %	[0.020]	Quan-FP	CsLa	0.1628
Pb	0.104 %	[0.001]	Quan-FP	PbLb1	0.8139
As	0.097 %	[0.002]	Quan-FP	AsKb	0.2197
In	0.070 %	[0.004]	Quan-FP	InKa	0.1832
Cu	0.063 %	[0.002]	Quan-FP	CuKa	4.3042
Sr	0.056 %	[0.001]	Quan-FP	SrKa	1.7103
Rb	0.043 %	[0.001]	Quan-FP	RbKa	1.1090
Zr	0.039 %	[0.001]	Quan-FP	ZrKa	8.0697
Cr	0.026 %	[0.004]	Quan-FP	CrKa	0.2108
Ir	0.007 %	[0.002]	Quan-FP	IrLa	0.0223
Th	0.004 %	[0.000]	Quan-FP	ThLa	0.0655

