

MAC measurements for O Ka in V2O3 and V2O5.

Deadtime, background corrected on-peak data, (cps/nA):

KeV	V2O3	V2O5	MgO	TiO2
6	34.44	37.44	133.33	87.91
8	30.83	32.89	172.36	91.48
10	26.76	28.92	196.70	86.58
12	23.50	25.37	208.59	78.51
14	20.85	22.89	209.53	70.15
16	18.97	20.76	204.44	63.07
18	17.25	19.17	194.98	56.82
20	15.86	17.78	184.56	51.65

Assumed composition of compounds:

Std	O	V	Mg	Ti
V2O3	.3202	.6798		
V2O5	.4398	.5602		
MgO	.397		.603	
TiO2	.4005			.5995

XMAC (Pouchou and Pichoir) calculated MACs compared to FFAST (2005) and Henke (1985):

Absorber:	V (V2O3)	V (V2O5)	Mg (MgO)	Ti (TiO2)
XMAC	35463	40509	5918	21046
FFAST	24816	24816	4385	22422
Henke	24227	24227	5185	21976