	e ²	***	• K	X-RAYS	****	File: KLME.DAT version 1997/9/3 10:53 AM															
	Element Energy (keV) Z Sym Ka Kb			C:\users\ne\pixe\misc\klme.wb3											70.		D "				
	,	-	-		_	-	- CALIFORN	itou itoit	,			4 1111100	All Cil			**		2 Sy	m At. Wgt.	Densit	/ Val
		11	Na Mg	1.041														11 Na 12 Mg		0.97	
		13	Al	1.487										**				13 AI	. 26.981	2.70	3
-		15		2.010														14 Si 15 P	28.086 30.974	1.82	
		16		2.308													*	16 S	32,064	2.07	
		17 18		2,622 2,954														17 CI 18 Ar	35,453 39,948	0.00	
			K	3,314	3,590													19 K	39.102	0.00017	
		20 21	Ca Sc	3.692 4.091														20 Ca 21 Sc	40.080 44.956	1.55 3.00	
-		22		4.511														22 TI	47.900	4.50	
			V Cr	4,952 5,415			****	L X-RAY	'S *****					£3 55				23 V 24 Cr	50.941 51.992	5,80	
			Mn	5,899				(keV)			(4) (Helenadus)		ř					25 Mn	54.938	7.19 7.43	
-			Fe Co	6.405 6.930			La —	Ln	L beta	range	L gami	T range						26 Fe 27 Co	55,847 58,933	7.86	
_	-	28	NI	7.478	8.263	0.74												28 NI	58.710	8.90 8.90	
			Cu Zn	8.048 8.639														29 Cu 30 Zn	63.540	8.96	
.50		31	Ga	9.252	10.264	0.95	7 1.100	0.984	1.122	1.195	0.000	0.000						. 31 Ga	65.370 69.720	7.14 5.91	3
			Ge		10.982													32 Ge	72.590	5.32	
		34	Se	11.222	12.496	1.20	1.379	1.245	1.419	1.492	0.000	0.000						33 As 34 Se	74.922 78.960	5,72 4,80	
			Br Kr	11,924	13.292													35 Br	79.909	3.12	-1
	- ;	37	Rb	13.395	14.961	1.482	1.694	1.542	1.752	1.827	0.000	0.000						36 Kr 37 Rb	83.800 85.470	0.00 1.53	0
			Sr Y		15.835 16.738	10000000												38 Sr	87.620	2.60	2
	-	40	Zr	15.775	17.667	1.792	2.042	1.876	2.124	2.201	2,304							39 Y 40 Zr	88.905 91.220	4.50 6.49	3
		41 42	Nb Mo		18.623 19.607	2.016						0.000						41 Nb	92,906	8.55	5
	4	43	Tc	18.367	20,619	2.133	2.424	2.249	2.537	2.618	2.791	0.000						42 Mo 43 Tc	95.940 97.000	10.20 11.50	6 7
			Ru Rh	19.279 20.216	21.657	2.253						0.000						44 Ru	101.070	12.20	4
	4	16	Pd	21.177	23.819	2,503	2.839	2.660				0.000	8	4.				45 Rh 46 Pd	102.905 106.400	12.40 12.00	3
				22.163 23.174		2.634						0.000						47 Ag	107.870	10.50	1
	4	19	In	24.210	27.276	2.905						0.000						48 Cd 49 In	112.400 114.820	8.65 7.31	2
200				25.271 26.359		3,045						4.464						50 Sn	118,690	7.30	4
	5	52 '		27.472		3.335						4.937						51 Sb 52 Te	121.750 127,600	6.68 6.24	5 4
		3		28.612 29.779		3.485				4.313 4.516		5,185						53 1	126,904	4.92	-1 .
			Cs	30.973	34.987	3.795				4.717		5.440 5.702						54 Xe 55 Cs	131.300 132.905	0.01 1.87	0
				32.194 33.442		3,954 4,121		4.331	4.827	4.927		5.973						56 Ba	137,340	3,50	2
	1122			34.720		4.289				5.363		6.251				8		57 La 58 Ce	138,910 140,120	6.70 6.78	3
				36.026 37.361		4.453			5.489	5,593	6.323	6.812	•					59 Pr	140.907	6.77	3
			Pm	01.001	46.21	4.811	100000000000000000000000000000000000000		5.961	5.829 6.071	6.598 6.885	7.104						60 Nd 61 Pm	144.240 145.000	7.00 6.48	3
			Sm Eu			4.993 5.177			6.206 6.457	6.317	7.174	7.716						62 Sm	150,3500	7.54	3
			3d		- 1	5.362			6.713	6.571 6.832	7.476 7.781	8.029 8.354						63 Eu 64 Gd	151,9600 157,2500	5.26 7.89	3
		5 1				5.547	*************		6.977	7.097		8.684						65 Tb	158,9240	8.27	3
	6	7 H	do			5.743 5.943		6.534 6.790	7.248 7.526	7.653	8.419 8.750	9.020							162,5000 164,9300	8.54 8.80	3
		8 E			-	6.141		7.048						***** M			1	68 Er	167.260	9.05	3
	7	0 1	/b			6,341 6,545		7.310	8.102		9.780	10.462	Meta	Malpha	Mbeta		ange	69 Tm 70 Yb	168.934 173.040	9,33	3
		1 L					7.656 7.899				10.144 10.516					_	-	71 Lu	174,970	9.84	3
***	7	3 1	Га		1						10.895		1.281	1.644	1.698	1.884	2.164	72 Hf 73 Ta	178,490 180,948	13.10 16.60	5
		4 V 5 F				7.387					11.285		1.384	1.773	1.834	2.022	2328	74 W	183,850	19.30	6
		6 (11.685 12.096		1.439	1.836		2.094	2.414	75 Re 76 Os	186,200 190,200	21.00	7
55		7 II 8 F				8.042	9.175	9,650	10.708	10.868	12.513	13.362	1,546	1,978	2.052	2.232	2.557	77 lr	192.200	22.50	4
		9 4									12.942 13.382		1,602	2.049 2.120		2.315	2.589	78 Pt 79 Au	195.090 196.970	21.40 19.30	3
		0 F			24	8.722	9.989	10.647	11.824	11.992	13.830	14.768	1.724	2.194	2,282	2,469	2.385	80 Hg	200,590	13,53	2
ma		2 F									14.291 14.765		1.780 1.839	2.268 2.345		2.550	3.087	81 TI 82 Pb	204.370	11.85 11.40	1
	8	3 E	31	- 1		9.420	10.839	11.712	13.023	13.211	15.247	16.283	1.901	2420		2.713	3.194	83 BI	208,980	9.80	3
		4 P			9						15.742 16.250			69 0			1	84 Po 85 At	209.000	9.40	4
	86	8 R	ln :			10.137	11.727	12.855	14.317	14.518	16.769	17.907						86 Rn	222,000	0.01	0
		7 F									17.302 17.848				8			87 Fr 88 Ra	223,000	2.00	1
	89	A	c			10,871	12,652	14.082	15.713	15.929	18,409	19.654						89 Ac	226,000	10.07	2
		T I P									18.979 19.570		2,365 2	2.992	3,146	3,332	4.014	90 Th	232.038	11.70	4
10		2 U											2.507 3	3.166	3.337	3,523	4.276	91 Pa 92 U	231,000	15,40 18,90	5 6
																	an (85)				

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