

Sample	FM-011	FM-013	XTR-8	J82-80	8217	8214
Age, Ma	47	47		46.4		
Long W	105 37.1	105 37.1	103 28.6	103 24	103 35	103 36
Lat N	31 21.7	31 21.7	29 19.3	29 36	29 27.7	29 22.8
SiO2	41.72	42.39	42.68	41.62	44.29	44.75
TiO2	1.89	1.85	1.60	4.28	1.70	1.48
Al2O3	13.98	13.68	13.61	15.87	14.63	13.32
Fe2O3	12.93	12.97	2.25	4.23		
FeO			9.28	8.11		
FeO*	11.64	11.67	11.31	11.92	10.79	10.14
MnO	0.19	0.20	0.21	0.15		
MgO	10.27	9.98	12.59	5.72	10.64	12.79
CaO	13.22	13.68	13.09	9.92	12.74	12.22
Na2O	2.06	1.86	3.38	3.91	3.23	3.34
K2O	1.34	1.43	0.64	1.56	1.33	1.37
P2O5	0.29	0.31	0.91	0.63	0.65	0.59
H2O+				2.01		
H2O-						
CO2				1.99		
Total	100	100	100.25	100	100	100
SiO2'	41.72	42.39	42.57	43.35	44.29	44.75
(Na2O+K2O)'	3.40	3.29	4.01	5.70	4.56	4.71
Sc					28.6	29.3
V	446	432	285		309	264
Cr	90	78	232		417	662
Ni	33	36	110		171	243
Cu						
Zn			133			
Ga						
Rb	22	28	21.61	46	41.9	41.5
Sr	630	660	1000	1090	1185	1056
Y	21	22	28	24	27.9	25.9
Zr	74	92	128	316	164	161
Nb	5*	6*	15.5	45	21.4	20.7
Cs			1.71			
Ba	649	639	640		588	684
La	15	14	39.24		40.4	50.2
Ce			88.8		63.68	77
Pr						
Nd			47.54		37.07	41.4
Sm			10.31		8.059	
Eu			2.65		2.46	
Gd					6.755	
Tb			1.82			
Dy					5.072	
Ho						
Er					2.304	
Tm						
Yb			1.91		1.796	
Lu			0.25			

Hf			5.15			
Ta			2.3			
Pb						
Th	1	1	4.58			
U			1.71			
Li						
F						
Rb/Sr	0.03	0.04	0.02	0.04	0.04	0.04
Cen/Ybn			12.56		9.58	
Eu*			0.74		0.99	
Zr/Hf			24.9			
Ba/Rb	29.5	22.8	29.6		14	16.5
Rb/Th	22	22	4.72			
$^{87}\text{Sr}/^{86}\text{Sr}_i$					0.70453	
$^{143}\text{Nd}/^{144}\text{Nd}$					0.51287	
$^{206}\text{Pb}/^{204}\text{Pb}$						
$^{207}\text{Pb}/^{204}\text{Pb}$						
$^{208}\text{Pb}/^{204}\text{Pb}$						

Sample	BB83-11	CF8518	CF8516	FM-016	CF8551	SM84051
Age, Ma	45.5	47	47	47	47	42
Long W	103 20	103 19.3	103 19.1	105 36.8	103 31.0	103 37.5
Lat N	29 20.2	29 05.6	29 05.5	31 21.5	29 13.1	29 22.4
SiO2	44.78	45.17	44.88	45.98	45.73	45.10
TiO2	1.85	4.22	4.23	1.35	3.93	2.14
Al2O3	16.01	16.00	13.87	16.44	14.65	14.50
Fe2O3	2.07	2.24	2.21	10.84	2.32	2.92
FeO	8.55	9.23	9.13		9.59	7.00
FeO*	10.41	11.25	11.12	9.76	11.68	9.63
MnO	0.19	0.19	0.18	0.24	0.19	0.16
MgO	7.48	5.87	6.23	5.36	7.19	10.10
CaO	10.71	10.96	10.79	9.37	9.55	9.85
Na2O	4.72	2.85	3.67	3.05	3.16	3.63
K2O	1.98	1.01	1.01	1.65	1.18	0.97
P2O5	1.15	1.71	1.62	0.65	0.89	0.16
H2O+						1.50
H2O-						0.30
CO2						0.10
Total	99.49	99.45	97.82	100	98.38	98.88
SiO2'	45.01	45.42	45.88	45.98	46.48	46.50
(Na2O+K2O)'	6.73	3.88	4.78	4.70	4.41	4.74
Sc	23.4	15.82	15.69		16.98	
V	297	297	144	263	292	
Cr	260	4.85	4.03	32	3.81	280
Ni	86	16.19	14.35	17	19.4	
Cu						
Zn	93	117	117		116	
Ga						
Rb	63	22.56	20.08	28	20.13	30
Sr		724	666	1022	669	810
Y	24.86	36	38	36	32	20
Zr	180	236	236	157	198	180
Nb	17.75*	14.84*	17.04*	12*	16.24*	60
Cs	2.25	0.69	0.74		0.34	
Ba	578	502	466	1045	564	
La	35.43	42.83	40.89		36.18	
Ce	75.29	93.83	89.95		72.25	
Pr						
Nd	40.03	51.18	44.03		34.02	
Sm	9.26	10.79	10.37		8.57	
Eu	2.58	3.6	3.34		2.67	
Gd						
Tb	1.45	2.03	1.91		1.41	
Dy						
Ho						
Er						
Tm						
Yb	2.02	2.57	2.53		2.27	
Lu	0.28	0.33	0.31		0.29	

Hf	3.47	4.81	4.71		4.77	
Ta	1.33	2.49	2.38		2.27	
Pb						
Th	5.54	2.91	2.82	8	3.32	
U	2.04	1.68	1.54		1.45	
Li						
F						
Rb/Sr		0.03	0.03	0.03	0.03	0.04
Cen/Ybn	10.08	9.87	9.61		8.6	
Eu*	0.83	0.95	0.92		0.92	
Zr/Hf	51.9	49.1	50.1		41.5	
Ba/Rb	9.17	22.3	23.2	37.3	28	
Rb/Th	11.4	7.75	7.12	3.5	6.06	
87Sr/86Sr,l						
143Nd/144Nd						
206Pb/204Pb						
207Pb/204Pb						
208Pb/204Pb						

Sample	CF8517	CF8542	PW84022	BB83-14	H86-138	H86-91
Age, Ma	47	47	42.6	47	42	47
Long W	103 19.2	103 27.7	103 32.6	103 27	103 31	103 33.2
Lat N	29 05.3	29 15.8	29 23.3	29 10	29 25.7	29 26.5
SiO2	47.12	46.60	44.50	46.35	46.33	45.74
TiO2	4.18	3.68	2.32	4.55	3.33	3.18
Al2O3	14.35	15.89	15.30	16.28	16.34	15.84
Fe2O3	2.20	2.18	2.39	1.49	3.68	5.46
FeO	9.06	9.00	7.30	6.17	7.53	6.24
FeO*	11.04	10.96	9.45	7.51	10.84	11.15
MnO	0.19	0.18	0.16	0.43	0.18	0.18
MgO	5.69	6.95	8.64	8.57	4.17	4.39
CaO	11.05	8.46	8.33	9.29	8.14	6.71
Na2O	4.05	2.21	3.99	3.11	5.00	5.91
K2O	1.00	3.50	1.71	1.28	2.74	2.02
P2O5	2.32	1.02	0.63	1.01	0.68	1.09
H2O+			2.90		2.39	3.88
H2O-			0.60			
CO2			0.10		0.04	
Total	101.21	99.98	98.90	98.53	100.56	100.64
SiO2'	46.56	46.61	46.69	47.04	47.22	47.27
(Na2O+K2O)'	4.99	5.71	4.84	4.46	7.89	8.20
Sc	16.01	17.23		17.82		
V	198	184				
Cr	5.67	3.6	140			
Ni	14.82	16.87				
Cu						
Zn	128	117		115		
Ga						
Rb	19.48	54.85	30	59		
Sr	687	1038	1140	655		
Y	29	33	30	31		
Zr	214	261	210	252		
Nb	15.64*	21.69*	60	22.11*		
Cs	0.51	2.1		1.95		
Ba	461	651		875		
La	44.98	37.44		35.18		
Ce	99.08	78.71		77.01		
Pr						
Nd	50.92	38.85		34.24		
Sm	11.48	9.02		8.67		
Eu	3.72	2.8		2.58		
Gd						
Tb	2	1.28		1.47		
Dy						
Ho						
Er						
Tm						
Yb	2.7	2.34		2.21		
Lu	0.32	0.33		0.29		

Hf	4.98	4.89		0.48		
Ta	2.49	2.56		2.37		
Pb						
Th	3.03	3.45		3.44		
U	1.78	1.88		1.15		
Li						
F						
Rb/Sr	0.03	0.05	0.03	0.09		
Cen/Ybn	9.92	9.09		9.42		
Eu*	0.94	0.95		0.87		
Zr/Hf	43	53.4		525*		
Ba/Rb	23.7	11.9		14.8		
Rb/Th	6.43	15.9		17.2		
⁸⁷ Sr/ ⁸⁶ Sr _l						
¹⁴³ Nd/ ¹⁴⁴ Nd						
²⁰⁶ Pb/ ²⁰⁴ Pb						
²⁰⁷ Pb/ ²⁰⁴ Pb						
²⁰⁸ Pb/ ²⁰⁴ Pb						

Sample	CF841	H86-92	H86-65	CF8541	8210	CF8544
Age, Ma	47	47.4	42.1	47	42	47
Long W	103 28.5	103 33.9	103 30.4	103 27.8	103 33.1	103 29.3
Lat N	29 16.8	29 25.6	29 23.9	29 19.7	29 26.5	29 12.6
SiO ₂	47.78	47.02	46.96	46.91	47.76	46.60
TiO ₂	2.35	4.25	3.58	2.46	3.21	2.43
Al ₂ O ₃	18.08	13.97	15.90	18.05	17.12	17.01
Fe ₂ O ₃	1.89	5.48	2.71	1.73		1.80
FeO	7.78	8.60	9.10	7.13		7.41
FeO*	9.48	13.53	11.54	8.69	11.68	9.03
MnO	0.14	0.19	0.21	0.14		0.14
MgO	5.59	4.52	4.15	5.87	4.16	6.21
CaO	12.36	8.54	8.20	11.50	7.07	11.82
Na ₂ O	2.81	3.56	4.73	2.83	5.57	2.16
K ₂ O	0.97	1.68	2.07	1.01	2.05	1.00
P ₂ O ₅	0.60	0.81	0.83	0.61	1.39	0.65
H ₂ O+		1.31	1.40			
H ₂ O-						
CO ₂		0.18				
Total	100.35	100.11	99.84	98.24	100	97.23
SiO ₂ '	47.61	47.68	47.70	47.75	47.76	47.93
(Na ₂ O+K ₂ O)'	3.77	5.31	6.91	3.91	7.62	3.25
Sc	20.12				10.2	
V	136			195	145	169
Cr	17.74			15.88	0.6	18.23
Ni	21.17			17.8		19
Cu						
Zn	90			115		117
Ga						
Rb	22.11			20.8	31.6	22.4
Sr	773			1531	1152	959
Y	21			28	33.1	32
Zr	151			204	287	258
Nb	15.52*			19*	53	18.25*
Cs						0.25
Ba	1494			788	873	794
La	25.35			25.71	45.4	26.45
Ce	52.02			53.4	100.7	52.3
Pr						
Nd	31.91			29.69	51.28	30.06
Sm	6.34			6.48	9.87	6.68
Eu	1.77			1.91	3.45	1.92
Gd					8.184	
Tb	0.95			0.94		1.23
Dy					6.075	
Ho						
Er					2.691	
Tm						
Yb	1.84			1.87	2.028	1.87
Lu	0.25			0.26		0.26

Hf	4.22			5.34		5.86
Ta	1.61			1.71		
Pb						
Th	2.54			2.63		2.7
U	1.59			1.45		1.36
Li						
F						
Rb/Sr	0.03			0.01	0.03	0.02
Cen/Ybn	7.64			7.72	13.4	7.56
Eu*	0.84			0.9	1.13	0.82
Zr/Hf	35.8			38.2		44
Ba/Rb	67.6			37.9	27.6	35.4
Rb/Th	8.7			7.91		8.3
$^{87}\text{Sr}/^{86}\text{Sr}_i$						
$^{143}\text{Nd}/^{144}\text{Nd}$						
$^{206}\text{Pb}/^{204}\text{Pb}$						
$^{207}\text{Pb}/^{204}\text{Pb}$						
$^{208}\text{Pb}/^{204}\text{Pb}$						

Sample	7469	CF8531	FM-003	H86-59	BB83-21	XM-103
Age, Ma		47	47	42	47	42.4
Long W	103 38	103 35.8	105 38.9	103 26.9	103 27	103 27.4
Lat N	29 34	29 11.3	31 20.8	29 26.2	29 10	29 26.5
SiO2	47.52	47.53	48.70	48.58	47.14	47.94
TiO2	2.56	4.02	1.11	2.11	2.50	2.99
Al2O3	16.55	14.39	17.37	20.37	16.26	19.00
Fe2O3	2.51	1.97	8.86	3.57	1.93	3.02
FeO	9.72	8.12		4.74	7.95	5.65
FeO*	11.98	9.89	7.97	7.95	9.69	8.37
MnO	0.18	0.18	0.23	0.15	0.16	0.11
MgO	5.72	4.29	5.27	2.64	5.65	3.33
CaO	7.62	10.43	9.28	9.05	8.68	9.68
Na2O	4.27	3.25	4.70	5.12	3.85	4.21
K2O	1.24	1.42	1.47	2.20	1.51	1.04
P2O5	0.57	2.48	0.43	0.76	0.56	0.45
H2O+	1.11			0.64		1.23
H2O-	0.17					0.05
CO2				0.04		0.34
Total	99.74	98.08	100	99.97	96.19	99.04
SiO2'	48.26	48.46	48.70	48.93	49.01	49.21
(Na2O+K2O)'	5.60	4.76	6.17	7.37	5.57	5.39
Sc		13.51			21.5	
V		86	233			
Cr		3.13	125		18.1	
Ni		16.4	33			
Cu						
Zn		111			109	83
Ga						
Rb		28.14	33		15	23
Sr		1528	1308		542	1270
Y		37	24		25.28	19
Zr		209	127		171	110
Nb		21.37	10*		11.27*	
Cs		0.48			2.36	
Ba		2114	1674		4350	350
La		46.72			23.74	
Ce		113.42			52.6	
Pr						
Nd		56.86			30.2	
Sm		10.77			6.15	
Eu		3.54			2.18	
Gd						
Tb		2.08			1.17	
Dy						
Ho						
Er						
Tm						
Yb		2.39			2.04	
Lu		0.34			0.28	

Hf		5.03			4.66	
Ta		2.92			1.18	
Pb						
Th		3.12	4		1.8	
U		1.74			0.6	
Li						
F						
Rb/Sr		0.02	0.03		0.03	0.03
Cen/Ybn		12.83			6.97	
Eu*		0.93			1.01	
Zr/Hf		41.6			36.7	
Ba/Rb		75.1	50.7		290	70
Rb/Th		9.02	8.25		8.33	
$^{87}\text{Sr}/^{86}\text{Sr}_i$			0.7053			0.7034
$^{143}\text{Nd}/^{144}\text{Nd}$						
$^{206}\text{Pb}/^{204}\text{Pb}$						
$^{207}\text{Pb}/^{204}\text{Pb}$						
$^{208}\text{Pb}/^{204}\text{Pb}$						

Sample	29 WT712	S46	H86-142	CF8529	H86-90	
Age, Ma	46		42	40.9	47	42.1
Long W	103 26	103 35	103 27.6	103 33.2	103 31.5	103 27.1
Lat N	29 19.2	29 20	29 29.4	29 26.3	29 15.9	29 29.3
SiO2	48.66	49.56	47.50	49.27	51.09	49.89
TiO2	2.99	2.40	1.82	2.65	3.78	2.98
Al2O3	17.26	18.76	20.60	16.38	15.63	16.83
Fe2O3	2.12	10.02	1.16	2.92	2.26	2.78
FeO	8.04		5.60	7.34	9.34	7.85
FeO*	9.95	9.02	6.64	9.97	11.37	10.35
MnO	0.18	0.17	0.12	0.21	0.19	0.17
MgO	3.04	2.99	3.40	2.84	4.16	4.38
CaO	7.86	6.41	8.47	6.61	9.79	6.50
Na2O	4.72	5.96	4.20	6.19	2.95	4.87
K2O	2.53	2.97	2.00	3.20	1.60	2.78
P2O5	1.06	0.76	0.90	0.98	1.37	0.63
H2O+	1.66		0.24	1.82		0.96
H2O-	0.08					
CO2						
Total	100.20	100	96.01	100.41	102.16	100.62
SiO2'	49.42	49.56	49.60	49.97	50.01	50.06
(Na2O+K2O)'	7.36	8.93	6.47	9.52	4.45	7.68
Sc					18.01	
V					317	
Cr					5.44	
Ni					16.49	
Cu						
Zn					116	
Ga						
Rb					40.94	
Sr					641	
Y					33	
Zr					241	
Nb					21.61	
Cs					1.01	
Ba					643	
La					37.49	
Ce					79.12	
Pr						
Nd					36.99	
Sm					9.02	
Eu					2.82	
Gd						
Tb					1.27	
Dy						
Ho						
Er						
Tm						
Yb					2.32	
Lu					0.32	

Hf					4.88	
Ta					2.4	
Pb						
Th					3.57	
U					1.98	
Li						
F						
Rb/Sr					0.06	
Cen/Ybn					9.22	
Eu*					0.96	
Zr/Hf					49.4	
Ba/Rb					15.7	
Rb/Th					11.5	
$^{87}\text{Sr}/^{86}\text{Sr},\text{l}$						
$^{143}\text{Nd}/^{144}\text{Nd}$						
$^{206}\text{Pb}/^{204}\text{Pb}$						
$^{207}\text{Pb}/^{204}\text{Pb}$						
$^{208}\text{Pb}/^{204}\text{Pb}$						

Sample	PW84008	FM-015	SM84052	H86-76	K381	8216
Age, Ma	42.6	47	41.6	42	39	
Long W	103 30.4	105 37	103 37.5	103 23.3		103 38
Lat N	29 23.9	31 21.8	29 22.4	29 27.6		29 32
SiO2	48.60	50.12	48.30	49.79	49.59	50.56
TiO2	2.95	1.13	3.13	2.56	3.62	2.05
Al2O3	15.40	17.78	15.70	17.10	14.73	20.03
Fe2O3	2.72	8.60	3.74	4.41		
FeO	8.80		7.70	5.75		
FeO*	11.25	7.74	11.07	9.72	12.04	8.23
MnO	0.19	0.21	0.19	0.20	0.21	
MgO	3.32	4.34	3.65	2.82	2.02	2.67
CaO	7.35	7.85	6.83	6.87	7.67	7.79
Na2O	4.23	5.00	3.93	5.83	3.90	5.34
K2O	2.39	1.80	2.45	3.26	2.90	2.44
P2O5	0.97	0.49	0.75	0.71	2.08	0.90
H2O+	1.50		1.50	1.05		
H2O-	0.50		0.80			
CO2			0.10			
Total	99.00	100	98.77	100.35	98.76	100
SiO2'	50.10	50.12	50.12	50.14	50.21	50.56
(Na2O+K2O)'	6.82	6.80	6.62	9.15	6.89	7.78
Sc						10.3
V		213				59.8
Cr		70				
Ni		20				0.9
Cu						
Zn						
Ga						
Rb	50	43	40		89	40.3
Sr	930	1392	790		657	1422
Y	20	25	30		64	30.5
Zr	320	142	270		357	340
Nb	60	11*	50		26	55.7
Cs						
Ba		1299			1433	496
La						46.2
Ce						100
Pr						
Nd					70.7	49
Sm					15.8	
Eu						
Gd						
Tb						
Dy						
Ho						
Er						
Tm						
Yb						
Lu						

Hf						
Ta						
Pb					5.9	
Th		9			3.7	
U					1.5	
Li						
F						
Rb/Sr	0.05	0.03	0.05		0.14	0.03
Cen/Ybn						
Eu*						
Zr/Hf						
Ba/Rb		30.2			16.1	12.3
Rb/Th		4.78			24.1	
$^{87}\text{Sr}/^{86}\text{Sr}_i$					0.70569	
$^{143}\text{Nd}/^{144}\text{Nd}$					0.512635	
$^{206}\text{Pb}/^{204}\text{Pb}$					17.683	
$^{207}\text{Pb}/^{204}\text{Pb}$					15.464	
$^{208}\text{Pb}/^{204}\text{Pb}$					37.465	

Sample	LM20a	PW84083	H86-70	M7443	XM12-3	XM16
Age, Ma		42.6	42	41	42	42
Long W	103 34	103 32.6	103 25.1	103 38.3	103 27.5	103 27.4
Lat N	29 21	29 23.3	29 26.6	29 24.3	29 26.1	29 26.5
SiO2	50.57	47.50	48.54	49.54	50.15	48.80
TiO2	2.06	2.12	2.24	2.99	2.45	2.22
Al2O3	18.41	18.50	17.73	15.90	17.55	18.36
Fe2O3	9.97	3.10	3.74	2.70	4.20	4.61
FeO		5.40	5.26	8.55	5.58	4.59
FeO*	8.97	8.19	8.63	10.93	9.36	8.74
MnO	0.20	0.19	0.15	0.20	0.18	0.16
MgO	2.16	3.13	2.97	3.46	3.49	2.66
CaO	6.60	5.37	5.86	6.40	6.61	6.68
Na2O	6.08	5.28	5.34	4.52	4.63	2.87
K2O	3.13	2.48	3.18	2.47	2.51	3.62
P2O5	0.81	0.87	0.66	0.79	0.93	0.82
H2O+		3.60	3.51	1.13	0.92	2.28
H2O-		0.90		0.35	0.10	0.28
CO2		0.20	1.14	0.07	0.05	1.65
Total	100	98.60	100.32	99.07	99.25	99.60
SiO2'	50.57	50.59	50.74	50.80	51.03	51.16
(Na2O+K2O)'	9.21	8.26	8.91	7.18	7.26	6.80
Sc	10					
V	33					
Cr						
Ni	4				3	
Cu						
Zn					91	95
Ga						
Rb	56	60			71	63
Sr	1168	870			995	780
Y	29	10			32	37
Zr	296	290			280	330
Nb		50			41	28
Cs						
Ba	1167				490	689
La	66					
Ce						
Pr						
Nd						
Sm						
Eu						
Gd						
Tb						
Dy						
Ho						
Er						
Tm						
Yb						
Lu						

Hf						
Ta						
Pb						
Th						
U						
Li						
F						
Rb/Sr	0.05	0.07			0.07	0.08
Cen/Ybn						
Eu*						
Zr/Hf						
Ba/Rb	20.8				7.78	14.7
Rb/Th						
$^{87}\text{Sr}/^{86}\text{Sr}_i$					0.7019*	0.7043
$^{143}\text{Nd}/^{144}\text{Nd}$						
$^{206}\text{Pb}/^{204}\text{Pb}$						
$^{207}\text{Pb}/^{204}\text{Pb}$						
$^{208}\text{Pb}/^{204}\text{Pb}$						

Sample	84110	DM148	SM84007	28	CM-50
Age, Ma	39	>38	41.6	42.4	
Long W	103 49	103 49.3	103 37.5	103 21.1	103 35
Lat N	30 51	30 50.6	29 22.4	29 20.2	29 20
SiO2	49.70	50.79	50.30	49.55	51.96
TiO2	4.02	3.29	2.34	2.09	2.31
Al2O3	13.90	13.42	16.50	17.94	18.54
Fe2O3		2.28	2.87	2.43	9.02
FeO		9.40	7.50	6.29	
FeO*	12.10	11.45	10.08	8.48	8.12
MnO	0.14	0.16	0.19	0.14	
MgO	0.80	2.64	3.55	2.46	3.16
CaO	7.32	8.01	5.75	5.46	5.39
Na2O	3.65	3.75	4.76	5.37	5.50
K2O	2.70	2.98	2.47	3.25	3.38
P2O5	2.30	1.90	0.98	0.75	0.75
H2O+			1.30	3.42	
H2O-			0.60	0.25	
CO2					
Total	96.63	98.62	99.12	99.40	100
SiO2'	51.43	51.5	51.74	51.76	51.96
(Na2O+K2O)'	6.57	6.82	7.44	9.00	8.88
Sc		28.17			4.8
V		556			47.7
Cr		218			
Ni					0.2
Cu					
Zn					
Ga					
Rb	88	80.6	50		58.8
Sr	648	570	910		715
Y	51	49.8	20		36.9
Zr	365	314	330		398
Nb	12*	19.6	50		71.9
Cs		2.05			
Ba	1317	1523			712
La		45.4			54
Ce		107			116
Pr					
Nd		59.3			54.8
Sm		14.16			
Eu		5.38			
Gd					
Tb		2.81			
Dy					
Ho					
Er					
Tm					
Yb		4.79			
Lu		0.63			

Hf		7.19			
Ta		2.55			
Pb					
Th		3.02			
U		2.1			
Li					
F					
Rb/Sr	0.14	0.14	0.05		0.08
Cen/Ybn		6.04			
Eu*		1.07			
Zr/Hf		43.7			
Ba/Rb	15	18.9			12.1
Rb/Th		26.7			
$^{87}\text{Sr}/^{86}\text{Sr}_i$					
$^{143}\text{Nd}/^{144}\text{Nd}$					
$^{206}\text{Pb}/^{204}\text{Pb}$					
$^{207}\text{Pb}/^{204}\text{Pb}$					
$^{208}\text{Pb}/^{204}\text{Pb}$					