Sample	58-172	87603	63-177	LRT-2	RS71-23	PP254
Age, Ma	29	35.6	29		35.6	36.3
Long W	103 24	103 55	103 25	105 28		103 46
Lat N	29 14	30 35	29 11.5	31 17		30 20
SiO2	74.02	70.10	74.10	73.00	74.08	73.37
TiO2	0.19	0.34	0.20		0.30	0.17
Al2O3	11.53	12.40	11.34	13.92	13.84	11.53
Fe2O3	4.04		4.09	1.01	0.09	2.27
FeO				0.38		1.80
FeO*		2.21				
MnO	0.09	0.03	0.09	0.14	0.06	0.09
MgO	0.04	0.07	0.01	0.03	0.14	0.02
CaO	0.25	0.33	0.37	1.09	0.73	0.14
Na2O	5.15	2.74	5.28	5.12	4.86	5.06
K2O	4.69	6.49	4.51	3.80	5.75	4.37
P2O5	0.01		0.01		0.05	0.11
H2O+				0.49		0.45
H2O-				0.11		0.13
CO2				0.01		0.02
Total	100.01	94.71	100	99.08	99.90	99.53
SiO2'	74.02	74.02	74.10	74.13	74.15	74.16
(Na2O+K2O)'	9.84	9.75	9.79	9.06	10.62	9.53
Sc					4.67	0.77
V						
Cr						
Ni						9
Cu						
Zn				200	99	108
Ga						
Rb	385		396	2112	399	205
Sr	5		11	30	62	10
Y	135		121	274	100	119
Zr				735	788	2200
Nb	225		222	309	105	166
Cs					8.27	
Ba					428	
La					143	178
Ce					277	457
Pr						
Nd					101	
Sm					14.77	28.6
Eu					0.5	1.17
Gd						
Tb					3.59	5.2
Dy						
Ho						
Er						
Tm						
Yb					12.22	15.5
Lu					1.62	2.76

Hf					25.07	54.4
Ta					19.4	17.4
Pb						
Th	60		51		51.2	41
U					9.6	
Li						
F						
Rb/Sr	77		36	70.4	6.44	20.5
Cen/Ybn					6.13	7.97
Eu*					0.09	0.12
Zr/Hf					31.4	40.4
Ba/Rb					1.07	
Rb/Th	6.42		7.76		7.79	5
87Sr/86Sr,I						
143Nd/144Nd						
206Pb/204Pb						
207Pb/204Pb						
208Pb/204Pb						

Sample	H89-142	3 11	#113	H88-20	59-173	57-171
Age, Ma	35.3	29	37.2	33.12	29	29
Long W	103 58.3	103 24	104 51.3	103 47	103 24	103 24
Lat N	30 37.7	29 14	30 40.1	29 25	29 14	29 14
SiO2	74.17	74.20	69.84	74.31	74.33	74.32
TiO2	0.30	0.26	0.47	0.34	0.20	0.20
Al2O3	12.57	11.00	12.40	13.18	11.50	11.50
Fe2O3	2.96	4.92	1.41		4.06	3.73
FeO			0.82			
FeO*				1.52		
MnO	0.06	0.10		0.04	0.08	0.08
MgO	0.06	0.20	0.26	0.18	0.02	
CaO	0.10	0.60	0.24	0.48	0.24	0.15
Na2O	3.92	3.78	4.80	3.23	4.91	5.44
K2O	5.79	4.92	3.75	6.68	4.65	4.53
P2O5	0.06	0.01	0.01	0.04	0.01	0.01
H2O+	0.64		5.41*			
H2O-			0.72			
CO2						
Total	98.74	99.99	100.13	98.69	100	99.96
SiO2'	74.17	74.21	74.30	74.31	74.33	74.35
(Na2O+K2O)'	9.71	8.70	9.10	9.91	9.56	9.97
Sc				3		
V						
Cr						
Ni				15		
Cu				8		
Zn				58		
Ga				16		
Rb		454		182	393	376
Sr	14	14		42	6	5
Y		193		50	125	103
Zr				336		
Nb		225		34	190	178
Cs						
Ba	81			615		
La				58		
Ce				120		
Pr						
Nd						
Sm						
Eu						
Gd						
Tb						
Dy						
Ho						
Er						
Tm						
Yb						
Lu						

Hf						
Ta						
Pb				26		
Th		83		18	51	47
U						
Li						
F						
Rb/Sr		32.4		4.33	65.5	75.2
Cen/Ybn						
Eu*						
Zr/Hf						
Ba/Rb				3.38		
Rb/Th		5.47		10.1	7.71	8
87Sr/86Sr,I						
143Nd/144Nd						
206Pb/204Pb						
207Pb/204Pb						
208Pb/204Pb						

Sample	81036	84605	38-145	36-142	81-119	RT-1-230.5
Age, Ma	36.8		29	29	37	
Long W	104*	103 59.8	103 27	103 27	104 52	105 28
Lat N	30 55*	30 51	29 12	29 12	30 48	31 16
SiO2	74.37	73.70	74.41	74.43	73.55	73.15
TiO2	0.37	0.41	0.20	0.19	0.08	0.02
Al2O3	10.95	10.30	11.40	11.24	13.35	13.71
Fe2O3			4.03	4.00	1.64	
FeO					0.17	
FeO*	4.87	4.63				1.72
MnO	0.10	0.19	0.08	0.08	0.03	0.06
MgO	0.09	0.20	0.08	0.03	0.15	0.01
CaO	0.31	0.35	0.49	0.40	0.85	0.03
Na2O	3.87	3.82	4.65	5.06	3.88	5.34
K2O	5.03	5.45	4.60	4.56	5.11	4.20
P2O5	0.03	0.04	0.05	0.01		
H2O+					0.59	0.39
H2O-						
CO2					0.50	
Total	99.99	99.05	99.99	100	99.90	98.24
SiO2'	74.38	74.38	74.42	74.43	74.44	74.46
(Na2O+K2O)'	8.90	9.36	9.25	9.62	9.10	9.71
Sc						
V					7	
Cr						
Ni						16
Cu					9	36
Zn					120	590
Ga						
Rb	196		397	375	315	2200
Sr	10.1		17	14	26	7
Y	106		132	120	73	200
Zr	1348				195	1100
Nb	116		209	191	63	370
Cs						47
Ba	20				25	8
La						21
Ce						77
Pr						10
Nd	95.2					26
Sm	21.5					10
Eu						0.1
Gd						11
Tb						3.2
Dy						28
Ho						6.7
Er						26
Tm						5.4
Yb						40
Lu						5.8

Hf						
Ta						38
Pb	35.7					250
Th	32.1		56	50		170
U	4.26					36
Li						490
F					210	310
Rb/Sr	19.4		23.4	26.8	12.1	314
Cen/Ybn						0.52
Eu*						0.03
Zr/Hf						
Ba/Rb	0.1				0.08	0.004
Rb/Th	6.11		7.09	7.5		12.9
87Sr/86Sr,I						
143Nd/144Nd	0.512623					
206Pb/204Pb	17.735					
207Pb/204Pb	15.457					
208Pb/204Pb	37.688					

Sample	R-156-4	55-169	RTX-1	INT-U	H87-166	SQ-3
Age, Ma	32.8	29		31.4	36.9	35
Long W		103 24	105 28.3	103 56	103 42.4	105 17
Lat N		29 14	31 16	29 05	30 53.2	30 52
SiO2	72.89	74.49	74.51	73.65	74.55	69.82
TiO2	0.25	0.25	0.02	0.26	0.27	0.25
Al2O3	11.21	10.65	12.94	12.94	11.32	12.04
Fe2O3	1.88	4.75	1.76	1.02	3.90	1.85
FeO	0.12			0.90		0.49
FeO*						
MnO	0.11	0.10	0.09	0.03	0.12	0.02
MgO	0.23	0.07	0.34	0.25	0.02	0.29
CaO	2.09	0.40	0.32	0.81	0.26	0.97
Na2O	4.32	4.36	4.96	3.34	4.64	3.39
K2O	4.73	4.91	3.85	5.55	4.90	4.50
P2O5	0.02	0.01		0.06	0.02	0.03
H2O+	1.06			0.56	0.50	3.96
H2O-	0.28			0.43		1.04
CO2	1.30			0.18		0.37
Total	100.49	99.99	100	99.98	99.73	99.02
SiO2'	74.49	74.50	74.51	74.54	74.55	74.55
(Na2O+K2O)'	9.25	9.27	8.81	9.00	9.54	9.03
Sc						
V						
Cr						
Ni						
Cu						
Zn						81
Ga						
Rb		465	2026	255		313
Sr		9	168	95		77
Y		186	309	50		88
Zr			1498	284		636
Nb		332	471	52		30
Cs						
Ba						
La						
Ce						
Pr						
Nd						
Sm						
Eu						
Gd						
Tb						
Dy						
Ho						
Er						
Tm						
Yb						
Lu						

Hf						
Ta						
Pb						
Th		80	265			
U						
Li						
F						
Rb/Sr		51.7	12.1	2.68		4.01
Cen/Ybn						
Eu*						
Zr/Hf						
Ba/Rb						
Rb/Th		5.81	7.65			
87Sr/86Sr,I						
143Nd/144Nd						
206Pb/204Pb						
207Pb/204Pb						
208Pb/204Pb						

Sample	61-175	97402	H89-118	M346	GM-3b	TPC-407
Age, Ma	29	36.8	36	30.5	29	31.7
Long W	103 25	104 10	104 21	104*	103 25	103 18
Lat N	29 11.5	30 58	30 01	29 10*	29 12	29 15
SiO2	74.58	72.82	74.69	74.69	74.70	72.37
TiO2	0.20	0.43	0.26	0.24	0.20	0.19
Al2O3	11.29	9.44	12.83	12.85	11.60	11.32
Fe2O3	3.93		1.81	0.32		1.71
FeO			0.53	1.62		0.74
FeO*		5.67			3.67	
MnO	0.08	0.19	0.06	0.04	0.10	0.02
MgO	0.01	0.09	0.14	0.11		0.07
CaO	0.27	0.34	0.27	0.67	0.43	0.78
Na2O	5.00	3.77	4.32	3.92	4.53	3.64
K2O	4.65	4.81	5.03	5.51	4.72	3.99
P2O5	0.01	0.05	0.05	0.03	0.03	0.07
H2O+				0.84		2.10
H2O-						1.04
CO2						
Total	100.02	97.61	100	101.74	99.98	99.98
SiO2'	74.57	74.60	74.69	74.69	74.71	74.73
(Na2O+K2O)'	9.65	8.79	9.35	9.43	9.25	7.88
Sc						
V				12		
Cr				5		
Ni					16	10
Cu						
Zn		292			256	147
Ga					33	
Rb	390	175		262	381	342
Sr	7	4.5		74	5.4	144
Y	178	151		56	144	92
Zr		1223		293	1223	744
Nb	207	161		51	245	110
Cs		3.7				
Ba		31		459	8	
La		150		66	234	
Ce		306		132	248	
Pr						
Nd		143		53		
Sm		22.5				
Eu		1.71				
Gd						
Tb		3.7				
Dy						
Ho						
Er						
Tm						
Yb		17.7				
Lu		2.5				

Hf		30				
Ta						
Pb				42	101	
Th	48	19.6		24	61	
U						
Li						
F						
Rb/Sr	55.7	38.9		3.54	70.6	2.38
Cen/Ybn		4.67				
Eu*		0.22				
Zr/Hf		40.8				
Ba/Rb		0.18		1.75	0.02	
Rb/Th	8.13	8.93		10.9	6.25	
87Sr/86Sr,I						
143Nd/144Nd						
206Pb/204Pb						
207Pb/204Pb						
208Pb/204Pb						

Sample	551	BML-2b	4HR-1	TPC-420	921102	H92-64
Age, Ma	29	29		33	29	27.3-27.0
Long W	103 24	103 24	105 27.7	103 16	103 25	104 0.9
Lat N	29 14	29 14	31 18.3	29 16	29 14.5	29 25.4
SiO2	74.78	74.80	74.84	69.61	74.16	74.97
TiO2	0.25	0.19	0.02	0.14	0.37	0.07
Al2O3	10.68	11.50	13.61	11.47	10.82	13.12
Fe2O3	4.87		1.66	1.49		
FeO				1.07		
FeO*		3.50			4.04	1.38
MnO	0.10	0.09	0.08	0.04	0.09	0.09
MgO	0.07		0.25	0.03	0.04	
CaO	0.30	0.34	0.25	1.42	0.34	0.47
Na2O	4.21	4.95	4.85	4.75	4.29	5.35
K2O	4.73	4.65	4.03	2.87	4.80	4.53
P2O5	0.01			0.07		0.01
H2O+				4.35		
H2O-				1.79		
CO2				0.10		
Total	100	100.02	100	99.20	98.95	99.95
SiO2'	74.78	74.79	74.84	74.88	74.95	74.97
(Na2O+K2O)'	8.94	9.60	8.88	8.20	9.19	9.88
Sc						
V						
Cr		1				3
Ni		13		8		19
Cu						6
Zn		246		134		170
Ga		36				36
Rb	468	390	2185	325	494	428
Sr	8	6.6	26	41	8	24
Y	173	116	220	113	181	102
Zr		1165	1098	880	1522	394
Nb	332	219	426	120	372	309
Cs						
Ba		3			5	139
La		172				41
Ce		374			542	103
Pr						
Nd					301	
Sm						
Eu						
Gd						
Tb						
Dy						
Ho						
Er						
Tm						
Yb						
Lu						

Hf						
Ta						
Pb		71				15
Th	85	51	229		72	43
U						
Li						
F						
Rb/Sr	58.5	59.1	84	7.93	61.8	17.8
Cen/Ybn						
Eu*						
Zr/Hf						
Ba/Rb		0.01			0.01	0.32
Rb/Th	5.51	7.65	9.54		6.86	9.95
87Sr/86Sr,I						
143Nd/144Nd						
206Pb/204Pb						
207Pb/204Pb						
208Pb/204Pb						

Sample	81-60	H92-52	H91-193	RT-1	7 25	MGE781
Age, Ma	36.2		27.3-27.0		29	36
Long W	105 25.6	103 59.9	103 58.6	105 28	103 25	104 21
Lat N	31 14.1	29 26.2	29 25.6	31 16	29 11.5	30 01
SiO2	74.38	75.07	75.08	74.40	75.14	75.13
TiO2	0.02	0.07	0.08		0.21	0.30
Al2O3	14.06	13.31	13.40	13.72	11.64	12.63
Fe2O3	0.29			1.03	4.05	1.29
FeO	0.53			0.36		0.64
FeO*		1.44	1.44			
MnO	0.05	0.12	0.11	0.08	0.09	0.06
MgO	0.01		0.18	0.01	0.04	0.13
CaO	0.45	0.61	0.38	0.70	1.03	0.35
Na2O	5.06	5.70	4.57	4.84	4.28	4.58
K2O	4.30	3.66	4.76	3.92	3.52	4.84
P2O5		0.01	0.01		0.01	0.04
H2O+	0.18			0.28		
H2O-				0.08		
CO2	0.15			0.03		
Total	99.15	97.34	99.59	99.45	100.01	100
SiO2'	75.02	75.07	75.08	75.11	75.13	75.13
(Na2O+K2O)'	9.44	9.36	9.33	8.84	7.80	9.42
Sc			5			
V			2			
Cr		1	4			19
Ni		18	18			17
Cu	3	9	6			4
Zn	140	196	176	193		77
Ga		36	31			
Rb	1090	531	429	2047	418	
Sr	9	39	14		83	
Y	200	130	109	231	122	
Zr	138	405	397	775		
Nb	72	320.3	290	1140*	191	
Cs	30					
Ba	16	136	143			
La	20	48	40			
Ce	53.6	115	138			
Pr	7.6					
Nd	25.7					
Sm	9.2					
Eu	0.1					
Gd	10.4					
Tb	2.4					
Dy	17.9					
Ho	4.2					
Er	15.7					
Tm	3					
Yb	24.4					
Lu	3.6					

Hf	16					
Ta	14					
Pb	70	52	54			
Th	60	41	50		55	
U	14					
Li	170					12
F	6500					500
Rb/Sr	121	13.6	30.6		5.04	
Cen/Ybn	0.59					
Eu*	0.03					
Zr/Hf	8.63*					
Ba/Rb	0.015	0.26	0.33			
Rb/Th	18.2	13	8.58		7.6	
87Sr/86Sr,I						
143Nd/144Nd						
206Pb/204Pb						
207Pb/204Pb						
208Pb/204Pb						

Sample	81-65	MGE783	QM152	Chin431F	LBM2	MGE787
Age, Ma		36	30.1	32.5		36
Long W	105 26.8	104 21	105 30.3	104 26	105 26.8	104 24
Lat N	31 17.1	30 01	31 11.2	29 52	31 17.1	30 02.5
SiO2	75.14	75.25	75.32	75.52	75.37	72.88
TiO2	0.02	0.27	0.20	0.20	0.02	0.19
Al2O3	13.92	12.61	13.67	11.58	12.80	12.84
Fe2O3	1.13	1.05	0.73	2.05	1.61	0.21
FeO	0.18	0.72	0.53	1.33		0.89
FeO*						
MnO	0.05	0.06	0.01	0.13	0.07	0.07
MgO	0.01	0.12	0.22	0.08	0.18	0.16
CaO	0.38	0.31	0.43	0.12	0.51	0.65
Na2O	5.05	4.66	3.65	4.73	4.61	3.28
K2O	4.11	4.93	5.17	4.44	3.95	5.52
P2O5	0.01	0.01	0.06	0.04		0.01
H2O+	0.40	0.31		0.18		3.83
H2O-				0.06		
CO2	0.22			0.02		
Total	100	99.98	100	100.48	100	100.53
SiO2'	75.14	75.27	75.32	75.35	75.37	75.37
(Na2O+K2O)'	9.16	9.59	8.82	9.15	8.56	9.10
Sc			1.03			
V	7		6			
Cr						
Ni			1			
Cu	9		13			
Zn	520	106	23			
Ga						
Rb	1870	216	195		1987	219
Sr	32	12	154		81	62
Y	220	85	71		188	44
Zr	840	530	216		1044	156
Nb	280	76	93		456	34
Cs			1.63			
Ba	85	58	360			131
La	37.9	48.6	19.5			
Ce	100	103	39.5			
Pr	12	12.2				
Nd	28.6	47.9	23.3			
Sm	9.8	12.5	4.8			
Eu	0.1	0.8	0.45			
Gd	10.8	11.2				
Tb	3.4	2.2	1.3			
Dy	28.5	13.7				
Ho	7	2.8	1.81			
Er	29.1	8.4				
Tm	5.8	1.2				
Yb	46.4	8	3.1			
Lu	6.8	1.2	0.78			

Hf	22	16	10.8			
Ta	18	4.1	5.3			
Pb	220	23.6				
Th	210	20.3	27		203	
U	27	3.8	4.3			
Li	370		4			
F	5400	1200	240			
Rb/Sr	58	18	1.27		22.1	3.53
Cen/Ybn	0.58	3.48	3.44			
Eu*	0.03	0.2	0.24			
Zr/Hf	38.2	33.1	20			
Ba/Rb	0.045	0.27	1.85			0.6
Rb/Th	8.9	10.6	7.22		9.79	
87Sr/86Sr,I						
143Nd/144Nd						
206Pb/204Pb						
207Pb/204Pb						
208Pb/204Pb						

Sample	MGE776	951	M358	Blanca-1	H88-101	52-D
Age, Ma	36	27.8	27.8	36.2	35.38	30.5
Long W	104 24	104*	104*	105 26.5	103 50.7	103 57
Lat N	30 0.8	29*	29*	31 15.5	29 30.9	29 08
SiO2	75.38	75.44	75.48	75.60	75.61	75.20
TiO2	0.16	0.16	0.14	0.09	0.17	0.24
Al2O3	13.33	12.52	12.29	14.00	11.55	12.60
Fe2O3	0.32	0.31	0.29	0.49	2.04	1.94
FeO	0.74	1.55	1.44	0.30	1.03	0.13
FeO*						
MnO	0.05	0.05	0.05	0.06	0.06	0.03
MgO	0.18	0.24	0.08	0.02	0.07	0.17
CaO	1.45	1.18	0.83	0.34	0.12	0.60
Na2O	2.06	3.32	4.52	4.86	4.67	3.70
K2O	6.32	5.20	4.88	3.40	4.65	4.76
P2O5	0.01	0.02	0.01		0.05	0.06
H2O+		3.80		0.24	0.20	0.53
H2O-				0.08		0.24
CO2				0.02	0.02	0.05
Total	100	101.19	100	100	101	100.25
SiO2'	75.38	75.44	75.48	75.60	75.61	75.63
(Na2O+K2O)'	8.38	8.52	9.40	8.26	9.32	8.51
Sc						
V		5	7			
Cr	2	5	4			
Ni				14		
Cu	6.5					
Zn	42			102		
Ga						
Rb		255	238	1071	230	222
Sr		31	28		6	77
Y		63	60	258	92	42
Zr		352	366	41*	870	294
Nb		88	95	63	50	56
Cs					5.2	
Ba		88	40		40	
La		81	85		73	
Ce		159	173		156	
Pr						
Nd		64	70		66	
Sm						
Eu					0.3	
Gd					15.9	
Tb						
Dy					17.3	
Ho						
Er					11.5	
Tm						
Yb					9.9	
Lu					1.4	

Hf					27	
Ta					4.4	
Pb		33	26		36	
Th		28.6	32.3		28	
U					3.6	
Li	4					
F	100				1000	
Rb/Sr		8.23	8.5		38.2	2.88
Cen/Ybn					4.26	
Eu*						
Zr/Hf					32.2	
Ba/Rb		0.35	0.17		0.17	
Rb/Th		8.92	7.37		8.21	
87Sr/86Sr,I						
143Nd/144Nd			0.51258			
206Pb/204Pb						
207Pb/204Pb						
208Pb/204Pb						

Sample	Sant-2	MGF006	70-187	M357	H88-97	TPC-301
Age, Ma	27.8	32.8	29	27.8	35.4	
Long W	104*	104 30*	103 18	104*	103 48.5	103 11
Lat N	29*	29 55*	29 15	29*	29 33	29 16.3
SiO2	76.00	75.69	75.67	75.71	75.72	75.00
TiO2	0.11	0.22	0.13	0.14	0.17	0.21
Al2O3	12.18	11.16	11.44	12.47	11.24	11.47
Fe2O3	1.99	2.84	2.82	0.29	1.97	1.98
FeO		0.42		1.47	0.88	1.39
FeO*						
MnO	0.04	0.13	0.03	0.05	0.03	0.04
MgO	0.03	0.10		0.03	0.04	0.03
CaO	0.52	0.32	0.27	0.88	0.23	0.25
Na2O	3.75	4.47	5.07	4.34	4.78	3.85
K2O	5.12	4.63	4.52	4.60	4.88	4.80
P2O5	0.34	0.02	0.01	0.01	0.05	
H2O+	0.31	0.30			0.26	1.41
H2O-	0.07					0.31
CO2	0.01				0.04	0.01
Total	100.47	100.30	99.96	100	99.72	100.75
SiO2'	75.64	75.69	75.70	75.71	75.72	75.74
(Na2O+K2O)'	8.83	9.10	9.59	8.94	9.66	8.74
Sc						
V						
Cr						
Ni						
Cu						
Zn	95					152
Ga						
Rb	239		330	259	214	418
Sr	4		4	46	14	17
Y	92		122	59	114	150
Zr	339				1100	1313
Nb	163		153		73	164
Cs					10.3*	
Ba					280	
La					156	
Ce					210	
Pr						
Nd					113	
Sm						
Eu					0.4	
Gd					20.5	
Tb						
Dy					19.5	
Ho						
Er					13	
Tm						
Yb					11.3	
Lu					1.6	

Hf					32	
Ta					8.6	
Pb				33	23	
Th			48	31.3	20	
U					1.6	
Li						
F					1800	
Rb/Sr	59.8		82.5	5.63	15.3	24.6
Cen/Ybn					5.02	
Eu*						
Zr/Hf					34.7	
Ba/Rb					1.31	
Rb/Th			6.88	8.27	10.7	
87Sr/86Sr,I						
143Nd/144Nd						
206Pb/204Pb						
207Pb/204Pb						
208Pb/204Pb						

Sample	U94-R116A	MGE798	H89-76	953	MGE789	M356
Age, Ma	27.3-27.0	36	36.8	27.8	36	27.8
Long W	104 01.1	104 20	103 37.9	104*	104 24	104*
Lat N	29 30.2	30 04	30 33.4	29*	30 02.5	29*
SiO2	76.00	75.78	75.89	76.03	76.04	76.09
TiO2	0.08	0.15	0.53	0.17	0.19	0.15
Al2O3	13.17	13.09	12.87	12.14	12.96	12.49
Fe2O3		0.76	4.49	0.31	0.84	0.29
FeO		0.37		1.53	0.36	1.47
FeO*	1.43					
MnO	0.05	0.08	0.03	0.05	0.04	0.05
MgO	0.34	0.14	0.04	0.09	0.18	0.19
CaO	0.36	0.81	0.12	0.62	0.48	0.66
Na2O	4.50	2.75	3.83	3.43	3.53	3.91
K2O	4.35	6.06	4.83	5.61	5.33	4.70
P2O5	0.07	0.01	0.05	0.02	0.01	0.01
H2O+			0.45		0.45	
H2O-						
CO2						
Total	100.35	100	100.88	100	100.41	100
SiO2'	75.75	75.78	75.89	76.03	76.07	76.09
(Na2O+K2O)'	8.82	8.81	8.66	9.04	8.86	8.61
Sc	1.29					
V						
Cr		7				
Ni		5				
Cu		3				
Zn	147	47				
Ga			24			
Rb	403		140	259	177	246
Sr	65		23	34	27	13
Y	138		87	58	40	83
Zr	439		685	334	164	402
Nb	280		56	82	36	117
Cs	1.86					
Ba			372		154	
La	36.7					
Ce	106					
Pr						
Nd	101					
Sm	9.59					
Eu	0.626					
Gd						
Tb	2.88					
Dy						
Ho						
Er						
Tm						
Yb	13.5					
Lu	1.69					

Hf	22.3					
Ta	23.7					
Pb				27		33
Th	36.9			30.8		31.9
U	9.77					
Li		5				
F		210				
Rb/Sr	6.2		6.09	7.62	6.56	18.9
Cen/Ybn	2.12*					
Eu*	0.16					
Zr/Hf	19.7*					
Ba/Rb			2.66		0.87	
Rb/Th	10.9			8.41		7.71
87Sr/86Sr,I						
143Nd/144Nd						
206Pb/204Pb						
207Pb/204Pb						
208Pb/204Pb						

Sample	H88-13	4021	561	TPC372	LDA-X	TPC324
Age, Ma	35.46	27.8	27.8		27.8	
Long W	103 51.4	104*	104*	103 16	104 03	103 18
Lat N	29 29.5	29*	29*	29 16	29 10	29 15
SiO2	76.20	76.23	76.29	75.23	73.45	76.65
TiO2	0.12	0.14	0.16	0.16	0.17	0.15
Al2O3	11.29	12.20	12.05	12.30	11.76	11.95
Fe2O3	1.78	0.29	0.30	2.27	1.15	1.72
FeO	1.10	1.46	1.49	0.14	0.84	0.72
FeO*						
MnO	0.04	0.04	0.05	0.02	0.04	0.01
MgO	0.02	0.04	0.27	0.02	0.07	0.01
CaO	0.12	0.81	0.62	0.16	0.63	0.14
Na2O	4.77	3.50	3.59	3.67	4.32	4.16
K2O	4.50	5.27	5.10	4.67	3.68	4.58
P2O5	0.05	0.01	0.02	0.03	0.06	0.01
H2O+	0.17			0.53	4.11	0.08
H2O-				0.31	0.24	0.17
CO2					0.02	
Total	99.82	100	100	99.35	100.54	100.35
SiO2'	76.20	76.23	76.29	76.37	76.38	76.57
(Na2O+K2O)'	9.27	8.77	8.69	8.47	8.32	8.73
Sc						
V						
Cr						
Ni				6		
Cu						
Zn				110		129
Ga						
Rb		237	229	241	258	319
Sr		46	22	10	41	14
Y	249	76	58	76	57	73
Zr	1240	367	369	610	368	712
Nb		99	88	118	94	108
Cs						
Ba	11					
La	57					
Ce	154					
Pr	16.8					
Nd	70					
Sm	22					
Eu	0.42					
Gd	28.1					
Tb	5.9					
Dy	42.1					
Ho	9.1					
Er	29.4					
Tm	4.4					
Yb	28.4					
Lu	4					

Hf						
Ta						
Pb			21			
Th			31.4			
U						
Li						
F	1700					
Rb/Sr		5.15	10.4	24.1	6.3	22.8
Cen/Ybn	1.47					
Eu*	0.05					
Zr/Hf						
Ba/Rb						
Rb/Th			7.29			
87Sr/86Sr,I						
143Nd/144Nd						
206Pb/204Pb						
207Pb/204Pb						
208Pb/204Pb						

Sample	H82-48	H88-18	H88-100	RTR-1	MGE621	Mitch3
Age, Ma	30.85	35.26	35.38		32.77	32.77
Long W	103 56.3	103 51.8	103 46	105 28.5	104 30*	104 30*
Lat N	29 17.6	29 26.7	29 31.5	31 16	29 55*	29 55*
SiO2	76.58	76.60	76.68	76.77	75.79	76.10
TiO2	0.15	0.13	0.14	0.02	0.25	0.22
Al2O3	11.71	11.73	11.82	12.17	11.39	11.60
Fe2O3	1.50	1.63	1.26	1.54	1.69	1.76
FeO	0.80	0.54	0.69		0.04	
FeO*						
MnO	0.05	0.04	0.02	0.06	0.12	0.11
MgO	0.02	0.05	0.08	0.31	0.26	0.28
CaO	0.17	0.11	0.20	0.15	0.27	0.22
Na2O	4.26	4.39	4.14	4.46	3.80	3.84
K2O	4.70	4.72	4.92	3.81	5.05	4.90
P2O5	0.06	0.05	0.05			0.02
H2O+	0.15	0.16	0.26		0.25	0.43
H2O-						0.15
CO2	0.12	0.04	0.04		0.12	0.10
Total	99.09	100.22	99.90	100	99.03	99.74
SiO2'	76.58	76.60	76.68	76.77	76.82	76.82
(Na2O+K2O)'	8.96	9.11	9.16	8.27	8.97	8.82
Sc						
V						
Cr						
Ni						
Cu						
Zn	159				118	90
Ga						
Rb			253	1951	250	290
Sr	9		7	163	11	
Y		69	140	378	70	64
Zr	667	337	840	1113	506	498
Nb			53	466	87	79
Cs			9.3			
Ba	17	44	99		47	
La		46	86			
Ce		115	217			
Pr			26.1			
Nd		44	109			
Sm			25.1			
Eu		0.16	0.6			
Gd		10.6	24			
Tb			3.8			
Dy		12.8	22.9			
Ho			4.5			
Er		7.2	13			
Tm			1.8			
Yb		7.3	10.9			
Lu		1	1.5			

Hf			24			
Ta			4.1			
Pb			38			
Th			29	251		
U			7			
Li						
F		900	1600			
Rb/Sr			36.1	12	22.7	33.1
Cen/Ybn		4.26	5.38			
Eu*			0.07			
Zr/Hf			35			
Ba/Rb			0.39		0.19	
Rb/Th			8.72	7.77		
87Sr/86Sr,I						
143Nd/144Nd						
206Pb/204Pb						
207Pb/204Pb						
208Pb/204Pb						

Sample	H81-81	W96-22	MGE620	MGE617	W96-24	MGE619
Age, Ma	36	27.3-27.0	32.77	32.77	27.3-27.0	32.77
Long W	104 21	104 01.5	104 30*	104 30*	104 01.8	104 30*
Lat N	30 03	29 27.5	29 55*	29 55*	29 27.5	29 55*
SiO2	76.88	76.93	76.46	76.10	77.66	76.53
TiO2	0.14	0.08	0.23	0.24	0.08	0.23
Al2O3	12.33	13.63	11.31	11.27	13.71	11.32
Fe2O3	0.96		1.70	1.73		1.70
FeO	0.18					
FeO*		0.30			0.27	
MnO	0.02	0.01	0.12	0.12		0.11
MgO	0.10	0.30	0.25	0.16	0.38	0.22
CaO	0.56	0.14	0.28	0.30	0.13	0.40
Na2O	3.05	4.18	4.09	4.19	4.25	4.16
K2O	5.72	4.42	4.92	4.77	4.36	4.71
P2O5	0.06	0.02			0.02	
H2O+			0.15	0.12		0.12
H2O-						
CO2			0.05	0.10		0.05
Total	100	100.01	99.56	99.10	100.86	99.55
SiO2'	76.88	76.92	76.95	76.96	76.99	77.01
(Na2O+K2O)'	8.77	8.60	9.07	9.06	8.54	6.93
Sc		1.61				
V						
Cr						
Ni						
Cu						
Zn		50.8	123	119		102
Ga						
Rb		410	263	264	420	255
Sr		14	8	6	11	10
Y		110	58	69	107	66
Zr		426	500	477	434	513
Nb		286	94	91	296	91
Cs		0.95				
Ba		101	26	20		34
La		41.9				
Ce		101				
Pr						
Nd		27.9				
Sm		12				
Eu		0.757				
Gd						
Tb		2.32				
Dy						
Ho						
Er						
Tm						
Yb		11.6				
Lu		1.9				

Hf		23.3				
Ta		23.8				
Pb						
Th		44.1				
U		20.8				
Li						
F						
Rb/Sr		29.3	32.9	44	38.2	25.5
Cen/Ybn		2.35*				
Eu*		0.18				
Zr/Hf		18.3*				
Ba/Rb		0.25	0.1	0.08		0.13
Rb/Th		9.3				
87Sr/86Sr,I						
143Nd/144Nd						
206Pb/204Pb						
207Pb/204Pb						
208Pb/204Pb						

Sample	MGE618	Mitch4	H88-99	MGF038
Age, Ma	32.77	32.77	35.4	32.3
Long W	104 30*	104 30*	103 46.8	104 23.2
Lat N	29 55*	29 55*	29 32	29 58.2
SiO2	76.89	76.60	77.30	77.94
TiO2	0.24	0.21	0.13	0.12
Al2O3	11.33	11.40	11.20	11.35
Fe2O3	1.74	1.79	1.50	1.16
FeO			0.72	0.94
FeO*				
MnO	0.12	0.11	0.03	0.06
MgO	0.15	0.13	0.14	0.06
CaO	0.19	0.14	0.46	0.26
Na2O	4.29	3.12	3.31	3.68
K2O	4.83	5.95	5.15	4.41
P2O5		0.02	0.05	0.01
H2O+	0.10	0.39	2.99	
H2O-		0.17		
CO2	0.03		0.02	
Total	99.91	99.89	100.17	100
SiO2'	77.06	77.12	77.30	77.94
(Na2O+K2O)'	9.14	9.13	8.46	8.09
Sc				
V				
Cr				
Ni				
Cu				
Zn	125	83		
Ga				
Rb	270	355	266	
Sr	5	10	59	
Y	74	189	120	
Zr	524	483	850	
Nb	93	168	72	
Cs			15.8	
Ba	26		133	
La			66	
Ce		86.8	154	
Pr			17.3	
Nd		32.7	67	
Sm		8.5	14.8	
Eu		0.725	0.4	
Gd		8.48	15.7	
Tb			2.8	
Dy		12.7	18.6	
Ho			3.9	
Er		9	11.7	
Tm			1.7	
Yb		9.6	10.9	
Lu			1.5	

Hf			24	
Ta			4.6	
Pb			34	
Th			28	
U			6	
Li				
F			1400	
Rb/Sr	54	2.64	4.51	
Cen/Ybn		2.44	3.82	
Eu*		0.26	0.08	
Zr/Hf			35.4	
Ba/Rb	0.1		0.5	
Rb/Th			9.5	
87Sr/86Sr,I				
143Nd/144Nd				
206Pb/204Pb				
207Pb/204Pb				
208Pb/204Pb				