

Table 1. Major and trace element concentrations.

Data Repository Item 2001094

Cousens pg. 1

Sample	Type	SiO ₂	Al ₂ O ₃	MnO	MgO	CaO	Na ₂ O	K ₂ O	TiO ₂	P ₂ O ₅	Fe ₂ O ₃
97-AN-1	Angikuni dike	47.43	11.25	0.08	10.19	8.68	1.77	3.16	0.67	0.94	9.43
97-AN-2	Angikuni dike	46.54	11.48	0.08	6.20	11.52	3.20	2.44	0.63	0.96	8.45
97-AN-7	Angikuni dike	45.65	11.34	0.08	9.28	8.37	1.27	4.08	0.56	0.42	8.20
97-AN-9	Angikuni dike	48.37	10.86	0.08	10.76	9.31	1.44	3.76	0.79	0.94	6.74
97-AN-11	Angikuni flow	57.15	14.65	0.05	3.98	3.76	5.37	4.68	0.57	0.37	6.60
97-AN-13	Angikuni flow	50.27	10.34	0.09	9.96	7.17	1.80	8.06	0.66	0.82	7.74
97-AN-16	Angikuni dike	61.04	13.09	0.04	3.26	3.89	3.19	5.24	0.38	0.28	3.78
97-AN-18	Angikuni flow	51.83	11.37	0.07	7.45	6.46	2.22	7.15	0.55	0.72	6.42
97-AN-19	Angikuni dike	43.99	11.40	0.14	6.86	9.15	3.30	1.49	0.60	0.61	6.79
97-AN-33	Angikuni dike	47.01	10.77	0.10	7.62	7.55	2.96	3.70	0.60	0.89	7.37
97-AN-12	Angikuni flow	53.47	10.82	0.06	9.48	5.83	2.00	6.82	0.65	0.90	6.77
97-AN-17	Angikuni flow	54.49	12.00	0.06	6.73	5.78	2.92	6.59	0.57	0.84	6.19
97-AN-35	Angikuni intrusion	50.40	9.59	0.07	11.10	6.41	1.67	8.05	0.76	1.27	7.12
96-30-9	Angikuni dike	51.49	10.90	0.07	8.32	7.90	1.62	4.82	0.61	0.83	5.77
96-30-17	Angikuni flow	48.73	10.71	0.06	6.47	6.31	0.50	8.40	0.62	0.54	5.95
96-30-20	Angikuni flow	50.15	11.22	0.09	8.72	5.50	1.02	6.16	0.77	0.79	5.52
96-33-18	Angikuni dike	55.22	17.31	0.07	2.93	3.78	8.87	0.11	0.43	0.54	5.18
96-34-9	Angikuni dike	49.28	11.09	0.12	8.99	9.37	1.44	2.27	0.66	0.71	6.31
96-38-11	Angikuni dike	39.61	14.91	0.12	7.31	10.79	4.81	0.40	0.65	1.11	7.95
97-2-5	Angikuni dike	52.84	12.32	0.10	9.77	6.54	2.84	5.60	0.58	0.52	6.42
97-16-17	Angikuni flow	48.94	12.38	0.10	10.04	6.26	0.94	3.64	0.79	1.00	7.03
97-23-4	Angikuni flow	50.44	11.45	0.09	7.99	6.85	1.61	3.92	0.69	0.47	8.09
97-29-11	Angikuni flow	57.18	12.13	0.08	7.26	4.35	2.13	8.59	0.57	0.79	5.02
97-40-9	Angikuni intrusion	54.87	11.32	0.11	8.96	6.64	2.19	6.17	0.71	0.79	6.41
98-RL-1	Rack flow	52.43	12.78	0.08	5.46	6.90	3.20	4.56	0.51	0.49	6.58
98-RL-2	Rack flow	64.16	13.72	0.05	1.87	2.28	4.52	4.66	0.33	0.25	3.11
98-RL-3	Rack flow	63.57	12.52	0.06	2.29	3.48	5.50	3.04	0.25	0.21	2.55
98-RL-4	Rack flow	65.91	13.63	0.05	1.44	1.97	4.81	4.97	0.28	0.20	2.69
94-2-70	Rack flow	54.11	11.82	0.11	5.24	6.87	2.73	4.65	0.45	0.45	5.56
94-2-86	Rack flow	55.56	12.36	0.10	5.16	5.15	2.57	5.38	0.47	0.48	5.82
94-2-135	Rack flow	56.10	12.81	0.07	6.05	3.20	2.29	5.77	0.51	0.53	6.70
94-2-140	Rack flow	53.26	11.80	0.10	5.50	6.58	1.92	5.77	0.47	0.45	5.67
94-2-165	Rack flow	53.49	12.02	0.09	5.18	6.36	2.09	5.87	0.45	0.46	5.59
94-2-183	Rack flow	54.33	12.18	0.09	5.57	5.60	2.21	6.25	0.46	0.50	5.98
94-2-254	Rack flow	52.71	12.48	0.10	5.71	4.79	1.87	6.07	0.49	0.50	6.28
94-2-282	Rack flow	53.21	11.75	0.10	5.39	6.50	2.50	5.62	0.47	0.48	6.17
94-2-297	Rack flow	54.28	11.77	0.09	6.14	5.72	2.52	4.76	0.47	0.47	5.97
94-2-325	Rack flow	52.23	11.88	0.11	4.89	7.09	1.82	5.98	0.46	0.49	5.93
94-2-359	Rack flow	53.34	11.87	0.10	6.12	6.01	2.28	5.28	0.47	0.48	6.10

Table 1. Major and trace element concentrations.

Data Repository Item 2001094

Cousens pg. 2

94-2-394	Rack flow	53.46	12.14	0.12	5.78	5.76	1.76	5.95	0.47	0.46	5.96
94-2-409	Rack flow	49.77	11.69	0.17	5.93	6.51	1.73	6.10	0.45	0.48	5.87
94-2-427	Rack flow	51.68	11.90	0.10	5.23	6.41	2.17	5.97	0.45	0.47	5.89
94-2-447	Rack flow	52.65	11.80	0.10	5.52	6.00	2.17	6.32	0.45	0.46	5.97
94-2-513	Rack flow	54.93	12.22	0.08	5.80	5.66	2.66	5.15	0.47	0.47	5.96
94-2-557A	Rack flow	45.38	11.16	0.19	6.68	10.97	3.17	2.19	0.47	0.43	6.88
94-2-557B	Rack flow	51.82	12.65	0.09	8.95	4.65	1.73	4.17	0.55	0.49	7.51
94-2-566	Rack flow	52.91	12.18	0.10	5.35	6.86	2.63	5.18	0.46	0.49	5.96
Sample	Type	SiO2	Al2O3	MnO	MgO	CaO	Na2O	K2O	TiO2	P2O5	Fe2O3
98-28-9A	Angikuni flow	53.74	11.90	0.09	7.75	5.77	2.46	7.44	0.61	0.93	6.36
98-28-9B	Angikuni flow	52.97	11.72	0.08	6.78	6.51	2.64	4.99	0.57	0.81	6.00
98-31-11A	Angikuni flow	55.62	13.08	0.10	6.75	6.04	2.68	6.19	0.57	0.71	6.34
98-31-11B	Angikuni flow	62.58	15.92	0.08	2.12	2.04	4.58	7.82	0.23	0.18	3.43
98-51-11	Angikuni flow	59.20	13.25	0.08	3.03	5.04	3.30	6.48	0.47	0.55	5.21
98-52-5B	Angikuni dike	51.95	10.70	0.14	9.99	6.86	1.59	6.44	0.72	1.30	7.02
DF-A59A-6A	Baker Lake flow	51.73	13.27	0.06	6.62	5.25	2.14	5.76	0.57	0.42	6.95
DF-A221-64	Baker Lake flow	54.25	13.60	0.10	6.84	5.33	2.79	5.89	0.62	0.54	7.21
DF-A236-64	Baker Lake flow	71.86	14.66	0.02	0.18	0.79	3.47	6.98	0.11	0.02	0.99
J-47-63A	Baker Lake flow	59.71	16.23	0.08	2.55	2.50	4.03	6.66	0.38	0.39	4.86
J-47-63	Baker Lake flow	54.67	15.38	0.09	4.49	4.89	3.70	5.88	0.53	0.73	6.71
88-LAA1-181	Baker Lake flow	48.49	13.23	0.06	9.54	3.74	0.39	6.73	0.78	1.36	8.80
98-TXR-55	Baker Lake flow	45.74	10.29	0.09	9.83	7.58	2.12	6.41	0.70	1.02	6.11
98-TXR-77	Baker Lake flow	55.46	14.56	0.09	4.68	4.58	3.33	6.27	0.51	0.33	6.03
98-TXG-034	MacQuoid Akluilak dike	44.44	15.40	0.27	5.22	8.69	1.05	8.17	0.90	3.14	6.30
98-TX-244	MacQuoid dike	60.36	16.58	0.07	1.93	3.73	3.64	5.01	0.47	0.36	5.15
98-TXH-461A	MacQuoid dike	50.82	11.80	0.14	10.33	8.57	1.49	4.42	0.84	1.29	8.12
98-TXJ-094B	MacQuoid dike	50.88	16.03	0.13	4.45	6.52	4.05	3.56	0.60	0.43	8.05
98-TXS-012	MacQuoid dike	53.15	12.51	0.09	8.07	6.05	1.07	8.23	0.90	0.69	5.95
JO-94A	MacQuoid dike	51.12	11.59	0.10	8.43	7.17	2.43	6.01	0.51	0.73	5.94
PHA-92-S155	Snowbird Lake flow	49.88	12.11	0.15	8.28	8.56	2.39	4.80	0.83	0.81	8.72
86MYA-A394	Baker Lake flow	51.84	10.85	0.09	11.12	5.52	1.61	9.03	0.59	0.68	6.39
98-TXR-40	Baker Lake flow	46.50	10.30	0.08	9.78	7.14	2.35	6.58	0.71	0.99	6.24
88LAAT197-	Baker Lake flow	58.93	13.60	0.06	1.79	4.41	2.93	6.94	0.62	0.71	4.94
88LAAT240-	Baker Lake flow	46.30	11.43	0.10	6.94	10.82	0.21	8.03	1.12	3.52	7.59
88LAAT195-	Baker Lake flow	50.79	12.50	0.09	8.13	5.56	0.37	7.51	0.48	0.40	5.39
76LAA-T072-	Baker Lake flow	52.16	10.79	0.09	11.05	5.52	2.04	8.40	0.63	0.69	6.58
99-34-25	Victory Lake dike	56.59	13.20	0.08	5.44	3.61	2.39	6.43	0.73	0.56	5.80
99RAT-T010	Baker Lake flow	52.23	12.00	0.09	6.48	4.91	3.43	6.02	0.79	0.74	5.46
99RAT-R9	Baker Lake flow	51.25	11.86	0.04	7.28	5.75	0.27	7.18	0.54	0.56	6.34
99RAT-R3	Baker Lake flow	50.29	11.96	0.11	8.49	5.28	0.13	7.09	0.37	0.50	5.33

Table 1. Major and trace element concentrations.

Data Repository Item 2001094

Cousens pg. 3

99RAT-R010	Baker Lake flow	50.03	13.28	0.08	5.70	4.72	0.10	7.32	0.45	0.53	7.79
99RAT-006	Baker Lake flow	61.03	12.54	0.01	4.94	1.41	0.10	9.70	0.88	0.75	5.05
99RAT-R36	Baker Lake flow	53.81	15.03	0.11	5.12	5.79	3.28	5.33	0.39	0.69	7.33
99RAT-	Baker Lake flow	53.66	12.14	0.09	5.84	5.55	0.14	7.86	0.69	0.57	6.25
99RAT-R002	Baker Lake flow	45.02	12.10	0.12	4.80	8.27	0.14	9.13	0.87	0.69	6.58

Table 1. Major and trace element concentrations.

Data Repository Item 2001094

Cousens pg. 4

Sample	LOI	TOTAL	S	CO2	H2O (by dif	Nb	Zr	Y	Sr	Rb	Ba	Cr
97-AN-1	4.80	98.40	0.03	1.10	3.67	11	260	24	680	65	2600	240
97-AN-2	8.02	99.52	0.02	5.40	2.60	11	260	25	480	50	1300	190
97-AN-7	9.43	98.68	0.01	5.50	3.92	5	140	20	480	74	1900	900
97-AN-9	5.45	98.50	0.01	2.40	3.04	9	340	16	1300	95	1900	570
97-AN-11	1.07	98.25	0.01	0.48	0.58	8	180	15	1000	190	2400	75
97-AN-13	0.86	97.77	0.03	0.44	0.39	14	310	28	2500	560	>5000	280
97-AN-16	3.94	98.13	0.03	2.50	1.41	11	200	11	790	210	2200	120
97-AN-18	3.38	97.62	0.03	2.30	1.05	13	250	17	2000	260	>5000	180
97-AN-19	14.10	98.43	0.09	12.00	2.01	9	180	16	550	78	2700	390
97-AN-33	9.77	98.34	0.06	8.10	1.61	13	250	17	1800	98	4100	140
97-AN-12	1.36	98.16	0.02	0.29	1.05	13	274	19	1156	349	3800	531
97-AN-17	1.74	97.91			1.74							
97-AN-35	1.67	98.11	0.02	0.28	1.37	23	324	9	1893	533	5400	491
96-30-9	7.04	99.37	0.04	4.46	2.54	11	239	14	933	168	2104	369
96-30-17	10.53	98.82	0.01	8.52	2.00	10	230	11	1012	355	2720	470
96-30-20	9.58	99.52	0.01	6.65	2.92	11	320	15	1220	190	2469	503
96-33-18	4.06	98.50	0.04	2.27	1.75	12	209	20	447	4	1405	48
96-34-9	9.26	99.50	0.02	5.14	4.10	12	236	19	504	56	1428	661
96-38-11	11.14	98.80	0.08	6.96	4.10	13	247	28	522	14	3403	86
97-2-5	1.41	98.94	0.04	0.38	0.99	11	354	19	1079	252	3505	790
97-16-17	8.34	99.46	0.05	3.38	4.91	19	243	19	492	138	2187	756
97-23-4	8.13	99.73	0.01	4.72	3.40	8	146	21	491	80	1871	705
97-29-11	1.08	99.18	0.01	0.14	0.93	16	265	10	1193	531	3448	370
97-40-9	1.52	99.69	0.04	0.34	1.14	14	305	15	868	329	2000	552
98-RL-1	5.37	98.36	0.04	3.49	1.84	11	253	20	1583	185	3553	154
98-RL-2	3.92	98.87	0.06	2.81	1.05	8	147	11	395	129	3118	38
98-RL-3	5.36	98.83	0.03	4.69	0.64	6	126	9	173	70	1965	29
98-RL-4	3.24	99.19	0.04	2.47	0.73	7	137	10	156	100	2396	36
94-2-70	7.22	99.21	0.01	4.52	2.69	8	162	14	1396	185	1842	152
94-2-86	6.20	99.25	0.03	3.63	2.54	8	165	15	1162	199	2336	136
94-2-135	5.52	99.55	0.01	1.87	3.64	8	173	17	667	183	1840	144
94-2-140	7.89	99.41	0.02	5.32	2.55	7	157	14	1097	191	1978	129
94-2-165	7.31	98.91	0.02	4.89	2.40	7	166	13	1336	194	1791	170
94-2-183	6.00	99.17	0.02	3.91	2.07	8	166	14	1330	224	2248	140
94-2-254	8.38	99.38	0.05	6.07	2.26	9	162	18	504	188	3064	150
94-2-282	6.78	98.97	0.02	5.53	1.23	8	161	16	1202	219	2483	119
94-2-297	6.86	99.05	0.02	4.30	2.54	6	166	14	1266	184	2116	118
94-2-325	8.15	99.03	0.01	6.30	1.84	8	164	16	1105	219	2109	155
94-2-359	6.87	98.92	0.02	4.20	2.65	8	171	14	1270	196	2067	123

Table 1. Major and trace element concentrations.

Data Repository Item 2001094

Cousens pg. 5

94-2-394	7.73	99.59	0.01	5.27	2.45	8	165	15	758	184	1695	138
94-2-409	10.49	99.19	0.02	8.42	2.05	8	156	16	545	208	2304	124
94-2-427	8.98	99.25	0.01	7.53	1.44	8	169	14	1181	230	2047	115
94-2-447	7.13	98.57	0.03	5.83	1.27	7	157	12	1269	250	2677	165
94-2-513	5.69	99.09	0.02	3.29	2.38	8	174	15	1090	191	2089	131
94-2-557A	11.82	99.34	0.02	8.79	3.01	5	136	19	1014	82	1581	283
94-2-557B	7.14	99.75	0.04	2.95	4.15	7	148	19	793	142	2678	331
94-2-566	6.55	98.67	0.02	4.25	2.28	7	179	15	1451	193	2061	95
Sample	LOI	TOTAL	S	CO2	H2O (by dif	Nb	Zr	Y	Sr	Rb	Ba	Cr
98-28-9A	1.80	98.85	0.03	0.91	0.86	30.33	275	17	1282.6	387.79		
98-28-9B	6.17	99.24	0.02	4.39	1.76	22.28	236	17	941.2	220.50		
98-31-11A	1.47	99.55	0.01	0.21	1.25	12.31	195	12	1543.3	261.64		
98-31-11B	0.63	99.61	0.03	0.28	0.32	31.58	370	13	434.2	381.63		
98-51-11	2.14	98.75	0.03	1.96	0.15	9.50	186	16	917.3	219.34		
98-52-5B	1.60	98.31	0.04	0.68	0.88	15.46	377	20	1726.3	221.60		
DF-A59A-6A	6.72	99.49	0.01	3.82	2.89	7.90			229.3	110.52		
DF-A221-64	2.79	99.96	0.03	1.48	1.28	9.99	192	20	779.9	269.79		
DF-A236-64	1.13	100.21		0.51	0.62	12.43	113	7	244.6	247.32		
J-47-63A	1.20	98.59	0.01	0.18	1.01	10.23	220	8	1348.1	239.17		
J-47-63	1.26	98.33	0.04	0.48	0.74	8.66	177	15	1620.7	258.72		
88-LAA1-181-	5.63	98.75	0.02	1.42	4.19	14.90	400	33	880.2	95.21		
98-TXR-55	8.65	98.54	0.02	8.07	0.56	8.39	341	22	2126.0	190.95		
98-TXR-77	2.96	98.80	0.06	1.56	1.34	10.10	184	8	1643.4	252.49		
98-TXG-034	3.88	97.46	0.01	3.45	0.42	7.39	132	30	2034.2	>400.00		
98-TX-244	2.33	99.63	0.22	1.79	0.32	11.15	209	12	1453.0	230.37		
98-TXH-461A	0.80	98.62	0.01		0.79	12.59	409	31	1868.8	185.75		
98-TXJ-094B	3.95	98.65	0.16	3.57	0.22	6.91	164	17	1192.3	122.36		
98-TXS-012	1.53	98.24	0.09	1.17	0.27	45.26	656	10	2176.9	254.22		
JO-94A	4.13	98.16	0.01	3.65	0.47	13.00			1146.9	237.12		
PHA-92-S155	2.50	99.04	0.20	0.60	1.70	7	243	25	1268	162	3976	511
86MYA-A394-	0.74	98.46	0.07	0.19	0.48	14.39	191.28	21	1515.9	>400.00	6980	496
98-TXR-40	8.29	98.96	0.02	7.61	0.66	8.27	294.36	29	2232.4	200.07	3761	419
88LAAT197-	3.48	98.41	0.10	2.45	0.93	12.90	339.53	25	1806.9	223.74	8438	75
88LAAT240-1	0.48	96.54	0.01	0.03	0.44	7.61	192.78	43	5502	358.30	13183	124
88LAAT195-	9.66	100.88		7.23	2.43	8.09	119.50	15	276.5	176.31	2311	270
76LAA-T072-1	0.89	98.84	0.12	0.37	0.40	27.92	175.94	19	1856.7	>400.00	6360	486
99-34-25	3.60	98.43			3.60	10	259	21	1146	210	3698	184
99RAT-T010	6.36	98.51		5.64	0.72	17.19	334.80	16.26	1219.6	294.36	2077	322
99RAT-R9	7.18	98.25		3.98	3.20	7.88	148.99	18.35	403.9	168.98	2385	>500
99RAT-R3	9.87	99.42		7.16	2.71	7.88	127.91	16.19	256.5	189.91	2709	480

Table 1. Major and trace element concentrations.

Data Repository Item 2001094

Cousens pg. 6

99RAT-R010	8.90	98.90	6.13	2.77	8.85	156.51	18.31	216.7	249.72	2307	398
99RAT-006	2.25	98.66	0.03	2.22	18.27	428.59	17.45	220.9	246.19	>3500	252
99RAT-R36	1.92	98.80	0.63	1.29	8.69	163.37	17.70	994.4	229.22	1778	158
99RAT-R004C	6.32	99.11	3.66	2.66	12.06	225.38	22.14	327.3	235.24	2054	234
99RAT-R002	10.53	98.25	9.77	0.76	17.21	414.59	19.11	220.0	236.11	2864	249

Table 1. Major and trace element concentrations.

Data Repository Item 2001094

Cousens pg. 7

Sample	Co	Cu	Ni	Sc	V	Zn	La	Ce	Pr	Nd	Sm	Eu
97-AN-1	36	35	180	20	140	180	80.15	>220	20.20	78.59	14.08	4.27
97-AN-2	28	63	130	17	120	110	84.98	>220	20.80	80.21	14.63	4.31
97-AN-7	37	80	200	22	150	110	45.75	93.05	11.15	42.54	7.88	2.30
97-AN-9	32	54	310	14	110	95	86.34	>220	21.02	80.17	13.46	4.06
97-AN-11	18		41	13	75	66	53.50	111.51	13.53	51.23	9.16	2.80
97-AN-13	31	6	160	16	120	94	85.06	>220	21.71	84.11	15.51	5.02
97-AN-16	14	17	49	8	61	52	47.33	92.88	10.76	39.04	6.65	2.13
97-AN-18	25	54	120	14	99	83	89.25	>220	20.77	77.87	14.15	4.93
97-AN-19	26	19	110	16	130	67	67.73	134.98	15.78	59.21	10.68	3.31
97-AN-33	26	65	95	17	120	87	82.46	>220	19.70	77.09	13.19	4.04
97-AN-12	32	35	253	16	111	87	63.80	>220	16.52	63.04	11.89	2.20
97-AN-17							75.80	>220	18.85	70.22	12.71	2.75
97-AN-35	37	61	195	16	112	90	67.48	>220	18.10	70.00	13.38	2.70
96-30-9	28	53	193	13	102	72	45.83	96.18	11.93	48.49	8.77	2.10
96-30-17	30	12	264	11	69	63	36.82	81.02	9.73	40.82	8.05	0.84
96-30-20	28	23	294	11	102	70	81.68	237.86	19.31	73.94	12.15	2.02
96-33-18	13	40	38	8	60	123	59.60	116.58	13.77	52.39	9.00	2.09
96-34-9	34	51	270	15	116	80	46.79	96.99	11.74	46.38	8.30	2.04
96-38-11	33	27	88	19	113	95	55.40	118.68	15.36	63.11	12.28	2.10
97-2-5	33	125	224	16	124	69	65.12	125.75	14.83	56.95	10.43	1.42
97-16-17	34	62	232	18	128	106	41.93	90.58	11.52	47.87	9.10	0.88
97-23-4	33	86	179	24	179	111	37.46	73.54	8.72	33.80	6.17	1.50
97-29-11	26	68	166	12	148	76	51.54	106.17	12.67	49.70	9.38	1.13
97-40-9	30	52	157	18	125	91	43.21	95.07	12.27	50.30	9.10	2.21
98-RL-1	27	63	80	18	125	73	103.81	>250.00	20.86	75.90	12.81	2.29
98-RL-2	11	17	30	6	48	46	44.00	84.15	9.79	36.73	6.15	0.26
98-RL-3	6	8	22	4	34	25	31.46	63.87	7.28	26.90	4.32	1.01
98-RL-4	5	<5	19	4	41	33	41.21	78.44	9.07	33.70	5.40	1.20
94-2-70	21	66	67	14	106	71	43.27	88.69	10.68	42.38	7.81	2.08
94-2-86	22	72	71	15	105	97	46.68	94.04	11.35	44.94	8.23	0.91
94-2-135	26	73	78	15	109	115	47.45	97.67	11.86	46.72	8.52	2.26
94-2-140	22	57	66	14	105	92	43.94	90.32	11.09	43.52	8.10	2.02
94-2-165	21	92	71	15	108	102	45.41	92.95	11.32	44.84	8.27	2.11
94-2-183	24	60	71	15	111	88	46.34	94.62	11.51	45.98	8.49	1.94
94-2-254	27	12	74	15	102	97	45.93	95.84	11.75	46.78	8.72	1.03
94-2-282	23	70	64	15	108	77	44.84	92.20	11.32	45.14	8.28	1.82
94-2-297	24	38	65	15	108	78	44.02	90.68	11.24	44.49	8.24	2.12
94-2-325	23	48	69	15	107	72	45.11	92.63	11.46	45.31	8.37	2.03
94-2-359	23	49	66	15	108	81	46.92	96.08	11.79	46.81	8.49	2.20

Table 1. Major and trace element concentrations.

Data Repository Item 2001094

Cousens pg. 8

94-2-394	23	27	67	15	108	82	43.99	89.95	11.13	43.83	8.20	2.12
94-2-409	23	16	65	15	108	77	45.12	92.72	11.42	45.16	8.33	2.20
94-2-427	22	66	66	15	109	73	45.41	93.05	11.52	45.22	8.36	2.16
94-2-447	24	57	73	15	111	75	44.95	90.11	11.12	43.95	8.29	0.94
94-2-513	23	51	66	16	111	68	46.52	94.90	11.70	46.02	8.37	2.19
94-2-557A	27	25	96	22	153	72	40.80	80.44	9.74	38.35	7.33	2.04
94-2-557B	35	49	117	25	148	99	44.62	88.17	10.63	41.51	7.50	0.82
94-2-566	24	99	65	16	114	85	46.90	96.94	11.91	46.99	8.68	2.23
Sample	Co	Cu	Ni	Sc	V	Zn	La	Ce	Pr	Nd	Sm	Eu
98-28-9A	29	56	114	15	113	83	61.41	122.13	15.26	59.08	11.10	2.50
98-28-9B	25	50	95	13	101	97	55.20	110.31	13.77	53.10	9.87	2.26
98-31-11A	24	57	111	13	110	81	60.23	117.57	14.65	56.35	10.19	2.54
98-31-11B	7	73	41	4	47	54	54.16	93.77	10.37	35.37	5.94	1.38
98-51-11	15	23	25	10	80	81	74.75	140.59	17.22	63.40	11.07	2.57
98-52-5B	34	40	222	18	124	191	108.44	204.54	25.27	94.40	15.64	3.94
DF-A59A-6A	24	17	162	12	65	96	49.97	99.09	12.28	46.91	8.05	1.92
DF-A221-64	25	61	97	14	114	84	61.40	121.31	15.17	57.08	9.35	2.18
DF-A236-64	N.D.	15	N.D.	2	7	16	35.58	68.12	7.89	26.92	4.62	0.87
J-47-63A	12	21	23	7	67	83	68.69	132.87	16.21	60.82	10.47	2.58
J-47-63	21	82	56	11	105	90	70.20	137.94	17.81	68.78	12.31	3.13
88-LAA1-181-	25	27	157	17	116	78	121.78	230.81	29.51	110.87	18.27	4.81
98-TXR-55	31	73	324	14	114	88	109.83	216.85	28.28	111.32	20.55	5.24
98-TXR-77	19	47	47	15	111	74	67.95	123.70	14.28	51.47	7.84	1.86
98-TXG-034	25	25	112	15	60	197	119.27	237.33	32.31	132.92	26.88	7.57
98-TX-244	9	16	12	8	83	76	62.05	118.87	14.60	54.70	9.24	2.27
98-TXH-461A	39	8	206	21	146	110	130.78	242.93	33.77	129.88	21.36	5.31
98-TXJ-094B	24	38	29	17	150	108	55.58	103.78	12.46	47.10	8.35	2.25
98-TXS-012	28	42	145	16	110	84	145.48	>250.00	35.22	123.07	14.76	3.04
JO-94A	28	12	148	18	113	80	87.66	161.42	19.65	72.36	12.83	3.28
PHA-92-S155	31		63		182	91	74.35	146.09	17.67	66.24	11.70	2.91
86MYA-A394-	37	53	374	13	101	95	68.88	132.58	15.49	57.62	10.81	2.84
98-TXR-40	33	79	328	14	117	90	107.14	219.84	27.64	106.63	20.19	5.14
88LAAT197-	10	21	34	10	70	77	139.93	>250.00	31.08	114.48	19.32	4.66
88LAAT240-1	32	41	96	26	82	110	>250.00	>250.00	103.36	399.06	65.02	16.02
88LAAT195-	28	12	134	13	107	53	54.91	114.40	13.94	53.50	8.78	2.01
76LAA-T072-1	32	73	363	13	102	105	58.20	116.57	14.27	54.97	10.55	2.80
99-34-25	23		126		104	82	84.00	159.00		70.00		
99RAT-T010	24.69	10.7	194.8	13.0	91	84	60.58	113.58	15.70	56.61	9.52	2.39
99RAT-R9	36.02	23.0	214.0	15.2	119	44	55.76	104.83	14.69	56.05	10.71	2.88
99RAT-R3	34.78	11.4	156.3	15.9	109	39	54.03	102.92	14.06	52.43	8.32	2.24

Table 1. Major and trace element concentrations.

Data Repository Item 2001094

Cousens pg. 9

99RAT-R010	27.87	14.0	163.6	16.9	130	71	72.72	124.27	16.67	58.67	8.91	2.22
99RAT-006	37.91	13.9	199.6	7.3	87	60	69.97	129.41	16.90	60.07	10.04	2.69
99RAT-R36	25.29	33.2	33.5	18.1	151	67	45.07	85.80	11.17	40.39	6.62	1.84
99RAT-	27.63	12.8	143.0	14.8	102	75	61.34	118.86	16.73	63.83	11.97	2.92
99RAT-R002	21.69	14.5	156.7	13.2	84	45	81.15	141.20	18.57	64.69	10.60	2.92

Table 1. Major and trace element concentrations.

Data Repository Item 2001094

Cousens pg. 10

Sample	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Th	U	Hf	Ta
97-AN-1	11.28	1.33	5.92	0.90	2.39	0.29	1.88	0.26	27.66	7.22	7.13	0.67
97-AN-2	11.64	1.34	5.94	0.90	2.40	0.29	1.89	0.29	29.01	7.89	7.27	0.68
97-AN-7	6.64	0.85	4.24	0.73	2.07	0.27	1.74	0.24	11.39	2.35	3.61	0.36
97-AN-9	9.97	1.09	4.57	0.62	1.66	0.18	1.17	0.15	17.46	3.24	9.70	0.48
97-AN-11	7.30	0.87	4.14	0.67	1.88	0.23	1.61	0.23	14.69	4.70	4.90	0.60
97-AN-13	12.55	1.51	7.01	1.19	3.33	0.41	2.76	0.38	25.88	1.53	8.34	0.82
97-AN-16	5.04	0.61	2.89	0.47	1.35	0.18	1.24	0.18	21.73	9.23	6.09	1.07
97-AN-18	11.39	1.38	5.87	0.89	2.31	0.27	1.89	0.27	24.53	8.07	6.86	0.85
97-AN-19	8.03	0.92	3.96	0.59	1.60	0.18	1.24	0.17	23.53	6.77	4.94	0.54
97-AN-33	9.88	1.14	4.89	0.73	2.00	0.24	1.60	0.21	25.75	6.71	6.46	0.84
97-AN-12	7.75	0.92	4.81	0.79	2.18	0.26	1.64	0.25	27.63	7.43	7.52	0.89
97-AN-17	8.72	1.02	5.34	0.82	2.25	0.26	1.63	0.24	25.02	8.44	7.55	0.95
97-AN-35	9.03	1.00	5.03	0.76	1.96	0.23	1.34	0.21	44.89	18.46	9.00	1.82
96-30-9	5.90	0.62	3.45	0.48	1.44	0.15	1.02	0.15	14.44	6.79	6.37	
96-30-17	5.74	0.62	3.30	0.47	1.35	0.15	0.98	0.14	18.27	2.99	6.18	
96-30-20	7.82	0.85	4.57	0.60	1.77	0.18	1.11	0.16	18.94	4.15	8.60	
96-33-18	5.99	0.67	4.01	0.60	1.82	0.22	1.44	0.22	26.37	10.04	6.14	
96-34-9	5.77	0.66	3.63	0.55	1.62	0.18	1.25	0.18	18.19	5.58	6.41	
96-38-11	9.46	1.02	5.46	0.81	2.33	0.26	1.78	0.26	20.22	7.13	6.81	
97-2-5	7.48	0.86	4.62	0.67	1.98	0.23	1.54	0.22	39.62	9.72	8.54	
97-16-17	6.12	0.68	3.82	0.57	1.69	0.20	1.32	0.19	26.92	15.78	7.00	
97-23-4	4.80	0.60	3.67	0.63	1.87	0.25	1.59	0.25	9.34	2.06	3.45	
97-29-11	6.50	0.72	3.96	0.58	1.69	0.19	1.34	0.20	23.01	8.47	7.14	
97-40-9	5.90	0.68	3.89	0.60	1.78	0.22	1.46	0.22	30.12	9.98	8.74	
98-RL-1	8.69	0.97	5.52	0.79	2.32	0.26	1.71	0.26	35.76	9.33	6.36	
98-RL-2	3.87	0.42	2.33	0.32	0.99	0.11	0.74	0.11	12.41	4.84	4.02	
98-RL-3	2.62	0.28	1.57	0.21	0.65	0.07	0.49	0.07	10.14	3.08	3.64	
98-RL-4	3.17	0.34	1.92	0.24	0.74	0.08	0.54	0.09	11.41	3.49	3.85	
94-2-70	5.46	0.62	3.52	0.55	1.65	0.20	1.28	0.20	12.09	4.70	4.17	
94-2-86	5.75	0.65	3.69	0.58	1.77	0.21	1.41	0.22	12.99	4.60	4.54	
94-2-135	6.06	0.69	3.94	0.61	1.83	0.22	1.46	0.22	13.62	3.98	5.01	
94-2-140	5.54	0.64	3.60	0.56	1.64	0.20	1.32	0.20	12.21	4.60	4.04	
94-2-165	5.51	0.65	3.73	0.57	1.73	0.21	1.39	0.21	12.83	4.93	4.68	
94-2-183	5.76	0.67	3.78	0.59	1.72	0.21	1.40	0.21	12.65	4.71	4.34	
94-2-254	5.82	0.66	3.83	0.60	1.83	0.22	1.40	0.22	13.13	4.66	4.56	
94-2-282	5.74	0.66	3.63	0.59	1.72	0.20	1.35	0.21	12.59	4.74	4.28	
94-2-297	5.70	0.66	3.61	0.58	1.71	0.20	1.31	0.20	12.81	4.88	4.40	
94-2-325	5.70	0.66	3.68	0.60	1.72	0.20	1.33	0.20	12.57	4.70	4.26	
94-2-359	5.94	0.69	3.84	0.60	1.81	0.22	1.42	0.21	13.32	5.18	4.40	

Table 1. Major and trace element concentrations.

Data Repository Item 2001094

Cousens pg. 11

94-2-394	5.62	0.65	3.58	0.57	1.70	0.21	1.38	0.21	12.82	5.62	4.53	
94-2-409	5.63	0.65	3.62	0.57	1.73	0.20	1.38	0.20	12.43	3.61	4.01	
94-2-427	5.64	0.67	3.64	0.58	1.76	0.21	1.38	0.21	13.17	4.93	4.34	
94-2-447	5.66	0.67	3.68	0.58	1.71	0.21	1.40	0.20	12.18	4.68	4.05	
94-2-513	5.65	0.67	3.78	0.60	1.78	0.22	1.41	0.22	14.02	5.48	4.60	
94-2-557A	5.60	0.67	3.82	0.64	1.86	0.24	1.52	0.23	13.64	3.72	3.13	
94-2-557B	5.45	0.68	3.89	0.67	1.99	0.25	1.68	0.26	15.47	4.73	3.61	
94-2-566	5.94	0.70	3.90	0.61	1.86	0.22	1.44	0.22	13.65	5.13	4.66	
Sample	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Th	U	Hf	Ta
98-28-9A	7.34	0.82	4.35	0.70	1.89	0.23	1.49	0.22	43.34	14.42	7.70	1.87
98-28-9B	6.64	0.78	3.99	0.64	1.73	0.21	1.35	0.20	36.26	12.84	6.82	1.49
98-31-11A	6.80	0.77	4.14	0.67	1.84	0.23	1.51	0.23	17.96	4.82	5.36	0.86
98-31-11B	3.81	0.50	2.81	0.50	1.52	0.22	1.53	0.25	61.49	14.02	12.36	2.11
98-51-11	7.13	0.82	4.30	0.70	1.90	0.22	1.46	0.21	19.56	3.98	5.26	0.73
98-52-5B	10.29	1.13	5.83	0.82	2.16	0.24	1.53	0.22	25.60	5.16	9.14	0.72
DF-A59A-6A	5.14	0.61	3.42	0.57	1.54	0.19	1.20	0.19	11.04	5.79	3.80	0.59
DF-A221-64	5.81	0.69	3.77	0.62	1.78	0.22	1.44	0.22	15.72	5.87	5.34	0.63
DF-A236-64	3.02	0.40	2.31	0.44	1.33	0.20	1.49	0.24	25.34	6.54	4.03	1.12
J-47-63A	6.58	0.74	4.03	0.66	1.87	0.23	1.54	0.23	20.96	5.86	6.01	0.74
J-47-63	8.27	0.91	4.85	0.75	2.04	0.25	1.60	0.23	17.23	5.94	4.73	0.55
88-LAA1-181-	12.41	1.38	7.32	1.11	2.98	0.35	2.24	0.33	15.36	5.67	10.56	0.69
98-TXR-55	14.90	1.72	8.51	1.20	2.87	0.29	1.68	0.21	20.53	6.82	8.85	0.44
98-TXR-77	4.88	0.56	3.31	0.53	1.61	0.20	1.33	0.21	14.50	5.58	4.65	0.68
98-TXG-034	21.24	2.47	12.00	1.69	3.83	0.37	2.09	0.26	11.80	1.23	3.54	0.34
98-TX-244	6.07	0.70	3.92	0.64	1.78	0.23	1.47	0.23	17.46	6.04	5.37	0.82
98-TXH-461A	14.20	1.57	8.03	1.17	3.10	0.33	1.98	0.28	16.14	2.96	8.85	0.58
98-TXJ-094B	6.13	0.74	4.08	0.69	1.84	0.24	1.56	0.24	14.72	3.94	4.11	0.44
98-TXS-012	7.66	0.81	4.56	0.59	1.82	0.18	1.17	0.16	47.85	8.74	16.23	1.73
JO-94A	8.85	1.00	5.09	0.75	1.97	0.22	1.38	0.20	30.46	7.90	7.17	0.64
PHA-92-S155	8.08	0.97	5.10	0.85	2.26	0.28	1.78	0.27	8.85	1.57	5.89	0.42
86MYA-A394	7.78	0.95	4.89	0.78	2.03	0.25	1.46	0.19	24.13	7.32	4.70	0.60
98-TXR-40	14.46	1.71	8.12	1.16	2.70	0.29	1.62	0.22	20.64	6.60	8.92	0.38
88LAAT197-	12.02	1.35	6.75	1.01	2.61	0.30	1.82	0.27	29.14	5.07	10.68	0.67
88LAAT240-1	35.96	3.42	15.76	1.86	4.71	0.40	2.18	0.30	33.52	1.31	7.53	0.63
88LAAT195-	5.73	0.66	3.64	0.58	1.62	0.20	1.31	0.20	12.69	3.94	3.61	0.44
76LAA-T072-1	7.40	0.88	4.52	0.73	1.89	0.24	1.37	0.18	11.69	6.30	4.62	0.91
99-34-25									19.00			
99RAT-T010	6.01	0.67	3.46	0.50	1.54	N.D.	1.23	0.17	33.2	9.27	9.43	0.98
99RAT-R9	7.08	0.75	3.95	0.60	1.72	N.D.	1.38	0.22	16.48	9.20	3.82	N.D.
99RAT-R3	5.39	0.60	3.40	0.52	1.54	0.15	1.33	0.21	12.60	6.07	3.30	0.42

Table 1. Major and trace element concentrations.

Data Repository Item 2001094

Cousens pg. 12

99RAT-R010	5.34	0.60	3.62	0.58	1.81	N.D.	1.48	0.22	15.56	5.28	3.84	N.D.
99RAT-006	6.14	0.68	3.76	0.57	1.59	N.D.	1.34	0.17	27.80	3.45	11.04	0.89
99RAT-R36	4.46	0.53	3.32	0.55	1.67	N.D.	1.54	0.24	14.17	5.47	4.21	0.54
99RAT-	8.00	0.89	4.70	0.70	1.83	N.D.	1.36	0.20	25.58	7.32	5.79	0.65
99RAT-R002	7.11	0.80	4.15	0.57	1.69	N.D.	1.27	0.20	26.44	3.21	11.30	0.84

Table 1. Major and trace element concentrations.

Data Repository Item 2001094

Cousens pg. 13

Sample	Nb ICPMS	Pb ICP-MS
97-AN-1	12.22	
97-AN-2	12.27	
97-AN-7	6.13	
97-AN-9	10.75	
97-AN-11	8.86	
97-AN-13	13.73	
97-AN-16	11.32	
97-AN-18	14.39	
97-AN-19	8.85	
97-AN-33	14.86	
97-AN-12	12.42	
97-AN-17	15.29	
97-AN-35	23.19	
96-30-9	10.16	
96-30-17	9.43	
96-30-20	10.82	
96-33-18	11.32	
96-34-9	11.31	
96-38-11	12.16	
97-2-5	10.96	
97-16-17	18.92	
97-23-4	6.05	
97-29-11	15.03	
97-40-9	13.54	
98-RL-1	10.29	
98-RL-2	6.02	
98-RL-3	3.96	
98-RL-4	4.94	
94-2-70	6.97	
94-2-86	7.28	
94-2-135	8.20	
94-2-140	7.32	
94-2-165	7.23	
94-2-183	6.95	
94-2-254	7.40	
94-2-282	7.14	
94-2-297	7.26	
94-2-325	6.87	
94-2-359	7.94	

Table 1. Major and trace element concentrations.

Data Repository Item 2001094

Cousens pg. 14

94-2-394	7.57	
94-2-409	7.08	
94-2-427	7.32	
94-2-447	6.95	
94-2-513	7.68	
94-2-557A	5.52	
94-2-557B	6.30	
94-2-566	7.50	
Sample	Nb ICPMS	Pb ICP-MS
98-28-9A	30.33	
98-28-9B	22.28	
98-31-11A	12.31	
98-31-11B	31.58	
98-51-11	9.50	
98-52-5B	15.46	
DF-A59A-6A	7.90	
DF-A221-64	9.99	
DF-A236-64	12.43	
J-47-63A	10.23	
J-47-63	8.66	
88-LAA1-181-1A	14.90	
98-TXR-55	8.39	
98-TXR-77	10.10	
98-TXG-034	7.39	
98-TX-244	11.15	
98-TXH-461A	12.59	
98-TXJ-094B	6.91	
98-TXS-012	45.26	
JO-94A	13.00	
PHA-92-S155	6.83	
86MYA-A394-1	14.39	
98-TXR-40	8.27	
88LAAT197-1A	12.90	
88LAAT240-1	7.61	
88LAAT195-11	8.09	
76LAA-T072-1B	27.92	
99-34-25		
99RAT-T010	17.19	40.87
99RAT-R9	7.88	27.85
99RAT-R3	7.88	12.16

Table 1. Major and trace element concentrations.

Data Repository Item 2001094

Cousens pg. 15

99RAT-R010	8.85	18.38
99RAT-006	18.27	18.85
99RAT-R36	8.69	22.82
99RAT-R004C	12.06	27.80
99RAT-R002	17.21	21.06

Note: Major element determinations by fused-disk XRF, as oxides in weight percent.

Trace element determinations by fused-disk XRF and ICP-MS, in weight parts per million. For details, see Cousens (1999).

Sample	Eps Nd (CHUR)T	Sample	ps Nd (CHUR)T
94-1-470	-7.16	98-TXR-77	-8.09
94-2-359	-7.75	98 TX 244	-7.55
94-2-577A	-7.28	98 TXH 461A	-6.76
96-30-20	-8.07	98 TXJ 094B	-7.67
96-30-9	-8.83	98 TXS 012	-10.23
96-33-18	-7.95	JO-94A	-8.14
96-38-11	-9.78	PHA-92-S155	-8.15
97-16-17	-8.60	76LAA-T072-1B	-7.76
97-2-5	-7.63	86MYA-A394-1	-6.70
97-29-11	-8.59	88LAAT195-11 Rae	-7.94
97-40-9	-8.13	88-LAA1-181-1A	-7.93
97-AN-1	-8.64	98-TXR-40	-6.11
97-AN-11	-8.21	88LAAT240-1 Rae	-7.35
97-AN-13	-8.54	88LAAT197-1A Rae	-7.43
97-AN-14	-8.34		
97-AN-16	-8.35	2-sigma Uncertain	0.80
97-AN-17	-8.89		
97-AN-18	-8.67		
97-AN-2	-8.32		
97-AN-33	-7.81		
97-AN-35	-10.26		
97-AN-7	-8.42		
97-YA-8503	-8.86		
98-28-9A	-9.14		
98-28-9B	-8.63		
98-31-11A	-8.77		
98-31-11B	-8.42		
98-51-11	-8.69		
98-52-5B	-7.90		
98-RL-1	-8.72		
98-RL-2	-7.04		
98-RL-4	-8.10		
J-47-64	-7.67		
J-47-63A	-8.00		
DF-A59A-6A	-7.67		
DF-A221-64	-7.76		
DF-A236-64	-7.65		
88 LAA-1 181-1A	-7.93		
98-TXG-034	-8.61		
98-TXR-52	-7.72		
98-TXR-55	-6.25		
98-TXR-65	-8.77		