Table 9. Average compositions of minerals and glasses in the finest size fractions of Apollo Highland soils. Maturity as I_s/FeO of the <250 μm fraction [*Morris*, 1978] is given directly after the soil number, a value commonly used as the reference maturity for an entire soil. The values in brackets represent 2-sigma variance in analysis.

	14141 –5.7 (20-45μm)								
	Plag	Ilm	Olivine	K-glass	Agglut. Gls.	Opx	Pig	Mg-Cpx	Fe-Cpx
SiO_2	45.7	<0.04	36.2	70.1	47.0 (37)	52.8	51.6	49.9	46.9
TiO_2	<0.04	52.4	0.07	0.27	1.82 (208)	0.68	0.74	1.30	1.06
Al_2O_3	33.5	0.10	0.06	13.7	17.9 (75)	1.03	1.51	1.74	1.32
Cr_2O_3	<0.04	0.61	0.08	<0.04	0.18 (11)	0.36	0.47	0.46	0.21
MgO	0.09	3.42	31.8	0.31	7.98 (441)	24.6	20.5	13.8	6.72
CaO	17.6	0.17	0.15	1.16	11.4 (34)	1.84	4.59	15.1	10.3
FeO	0.06	40.8	30.1	1.21	9.76 (608)	17.3	19.0	16.0	30.9
Na_2O	1.22	<0.04	<0.04	0.86	0.74 (51)	<0.04	<0.04	0.07	<0.04
K_2O	0.16	<0.04	<0.04	8.81	0.46 (54)	<0.04	<0.04	<0.04	<0.04
Total	**98.33**	**97.50**	**98.46**	**96.42**	**97.24**	**98.61**	**98.41**	**98.37**	**97.41**

	14141 –5.7 (10-20 μm)								
	Plag	Ilm	Olivine	K-glass	Agglut. Gls.	Opx	Pig	Mg-Cpx	Fe-Cpx
SiO_2	45.2	<0.04	36.6	72.0	46.8 (41)	52.7	51.7	50.0	46.7
TiO_2	0.06	52.3	0.11	0.39	1.69 (180)	0.76	0.78	1.51	1.23
Al_2O_3	34.0	0.14	0.14	12.1	19.3 (64)	1.02	1.37	1.98	1.39
Cr_2O_3	<0.04	0.56	0.08	<0.04	0.20 (12)	0.34	0.45	0.56	0.18
MgO	0.13	3.33	32.8	0.12	7.91 (369)	24.2	20.6	14.6	5.73
CaO	18.0	0.20	0.15	1.96	11.9 (32)	1.99	4.33	16.2	10.6
FeO	0.17	40.6	28.9	3.31	8.81 (417)	17.4	19.2	13.0	31.8
Na_2O	1.07	<0.04	<0.04	1.49	0.74 (59)	<0.04	<0.04	0.10	<0.04
K_2O	0.15	0.05	<0.04	5.45	0.39 (41)	<0.04	<0.04	<0.04	<0.04
Total	**98.78**	**97.18**	**98.78**	**96.82**	**97.80**	**98.41**	**98.43**	**97.95**	**97.63**

	14163 –57 (20-45μm)								
	Plag	Ilm	Olivine	K-glass	Agglut. Gls.	Opx	Pig	Mg-Cpx	Fe-Cpx
SiO_2	46.2	<0.04	36.7	67.6	46.8 (30)	52.9	51.5	50.6	46.8
TiO_2	0.04	51.6	0.08	0.43	1.71 (138)	0.75	0.67	1.27	0.94
Al_2O_3	32.9	0.16	0.04	14.8	17.2 (61)	1.30	1.46	1.70	1.01
Cr_2O_3	<0.04	0.65	0.05	<0.04	0.17 (13)	0.32	0.39	0.39	0.12
MgO	0.04	2.17	34.3	0.54	8.64 (394)	24.2	18.1	13.9	4.97
CaO	17.6	0.25	0.16	2.25	11.4 (28)	2.00	5.17	16.6	11.0
FeO	0.06	42.3	26.8	1.90	10.2 (49)	16.8	21.0	13.8	32.7
Na_2O	1.38	<0.04	<0.04	1.21	0.58 (39)	<0.04	0.04	0.13	0.05
K_2O	0.18	0.04	<0.04	8.40	0.43 (44)	<0.04	<0.04	<0.04	<0.04
Total	**98.4**	**97.17**	**98.13**	**97.13**	**97.03**	**98.27**	**98.33**	**98.39**	**97.59**

	14163 –57 (10-20µm)								
	Plag	Ilm	Olivine	Vol Gls.	Agglut. Gls.	Opx	Pig	Mg-Cpx	Fe-Cpx
SiO_2	45.8	0.12	36.8	67.9	46.4 (28)	52.9	51.4	50.4	47.6
TiO_2	<0.04	52.0	0.08	0.30	1.66 (123)	0.75	0.68	1.38	1.04
Al_2O_3	33.6	0.19	0.09	15.2	18.1 (63)	1.10	1.18	1.90	1.24
Cr_2O_3	<0.04	0.45	0.11	<0.04	0.19 (37)	0.31	0.38	0.48	0.18
MgO	0.08	3.95	33.3	0.14	8.64 (353)	24.8	19.4	14.7	7.52
CaO	17.6	0.26	0.24	1.73	11.6 (28)	1.88	4.68	17.2	10.8
FeO	0.22	39.5	27.9	1.83	9.65 (438)	16.4	20.3	12.1	29.0
Na_2O	1.33	<0.04	<0.04	1.23	0.59 (40)	<0.04	<0.04	0.13	0.06
K_2O	0.14	<0.04	<0.04	8.64	0.36 (39)	<0.04	<0.04	<0.04	<0.04
Total	**98.77**	**96.47**	**98.52**	**96.97**	**97.19**	**98.14**	**98.02**	**98.29**	**97.44**

	14260 –72 (20-45µm)								
	Plag	Ilm	Olivine	Vol Gls.	Agglut. Gls.	Opx	Pig	Mg-Cpx	Fe-Cpx
SiO_2	45.6	0.07	36.7	68.6	46.3 (37)	52.8	50.9	50.1	47.1
TiO_2	0.05	52.4	0.09	0.38	1.54 (113)	0.79	0.88	1.50	1.01
Al_2O_3	33.7	0.06	0.05	15.8	18.6 (66)	1.06	1.63	2.10	1.15
Cr_2O_3	<0.04	0.50	0.12	<0.04	0.21 (15)	0.35	0.47	0.58	0.24
MgO	0.09	3.54	32.8	0.10	8.42 (418)	24.5	18.3	14.7	6.91
CaO	17.6	0.19	0.17	2.07	11.6 (31)	1.86	5.28	16.6	12.3
FeO	0.18	40.5	29.1	0.27	9.64 (487)	17.3	21.1	12.6	28.6
Na_2O	1.22	<0.04	<0.04	1.09	0.60 (45)	<0.04	<0.04	0.12	0.0
K_2O	0.14	<0.04	<0.04	8.96	0.41 (45)	<0.04	<0.04	<0.04	<0.04
Total	**98.58**	**97.26**	**99.03**	**97.27**	**97.26**	**98.66**	**98.56**	**98.30**	**97.31**

	14260 –72 (10-20µm)								
	Plag	Ilm	Olivine	Vol Gls.	Agglut. Gls.	Opx	Pig	Mg-Cpx	Fe-Cpx
SiO_2	45.8	0.10	36.9	66.3	45.5 (44)	53.0	51.1	50.8	47.8
TiO_2	0.05	51.3	0.10	0.32	1.62 (125)	0.80	0.82	1.30	1.12
Al_2O_3	33.8	0.18	0.08	15.6	19.9 (71)	1.04	1.17	1.89	1.37
Cr_2O_3	<0.04	0.53	0.09	<0.04	0.22 (11)	0.32	0.33	0.50	0.18
MgO	0.08	3.25	32.9	0.61	8.39 (401)	24.1	18.6	15.0	7.01
CaO	17.6	0.24	0.19	2.31	12.4 (34)	1.92	4.94	16.4	12.7
FeO	0.28	40.8	29.2	2.05	8.85 (434)	17.9	21.4	12.9	28.1
Na_2O	1.28	<0.04	<0.04	0.79	0.53 (42)	<0.04	<0.04	0.08	<0.04
K_2O	0.15	0.06	<0.04	8.42	0.40 (48)	<0.04	<0.04	<0.04	<0.04
Total	**99.04**	**97.46**	**99.46**	**96.40**	**97.90**	**99.08**	**98.36**	**98.87**	**98.28**

	14259 –85 (20-45µm)								
	Plag	Ilm	Olivine	Vol Gls.	Agglut. Gls.	Opx	Pig	Mg-Cpx	Fe-Cpx
SiO_2	46.3	<0.04	36.9	68.7	46.5 (33)	53.0	51.4	50.3	46.9
TiO_2	0.05	52.8	0.10	0.69	1.50 (118)	0.75	0.75	1.42	1.01
Al_2O_3	33.5	0.09	0.06	14.8	19.2 (63)	0.98	1.22	2.00	1.09
Cr_2O_3	<0.04	0.52	0.11	<0.04	0.19 (11)	0.35	0.44	0.53	0.19
MgO	0.10	3.23	33.1	0.21	8.38 (378)	24.5	19.0	14.6	5.03
CaO	17.3	0.11	0.18	1.82	12.0 (29)	1.83	5.10	16.2	11.2
FeO	0.05	41.1	28.8	1.30	9.17 (459)	17.5	20.7	13.3	32.5
Na_2O	1.41	<0.04	<0.04	1.02	0.61 (66)	<0.04	<0.04	0.11	<0.04
K_2O	0.20	<0.04	<0.04	8.57	0.37 (43)	<0.04	<0.04	<0.04	<0.04
Total	**98.91**	**97.85**	**99.25**	**97.11**	**97.80**	**98.91**	**98.61**	**98.46**	**97.92**

	14259 –85 (10-20µm)								
	Plag	Ilm	Olivine	Vol Gls.	Agglut. Gls.	Opx	Pig	Mg-Cpx	Fe-Cpx
SiO_2	45.8	0.08	36.8	72.8	45.8 (31)	52.4	50.9	50.2	46.8
TiO_2	<0.04	52.4	0.05	0.45	1.64 (135)	0.90	0.77	0.92	0.99
Al_2O_3	33.5	0.11	0.05	11.8	18.7 (57)	1.02	1.11	2.68	1.21
Cr_2O_3	<0.04	0.42	<0.04	<0.04	0.16 (11)	0.27	0.32	0.73	0.18
MgO	0.05	3.63	33.3	0.09	8.33 (291)	23.5	18.4	15.4	5.81
CaO	17.4	0.16	0.16	1.24	11.8 (24)	1.93	4.83	14.4	12.2
FeO	0.10	39.6	27.7	2.16	9.81 (445)	17.7	21.1	13.6	29.5
Na_2O	1.34	<0.04	<0.04	0.73	0.55 (40)	<0.04	<0.04	0.07	0.05
K_2O	0.10	<0.04	<0.04	7.49	0.36 (39)	<0.04	<0.04	<0.04	<0.04
Total	**98.29**	**96.40**	**98.06**	**96.76**	**97.09**	**97.72**	**97.43**	**98.00**	**96.74**

	61221 –9.2 (20-45µm)								
	Plag	Ilm	Olivine	Vol Gls.	Agglut. Gls.	Opx	Pig	Mg-Cpx	Fe-Cpx
SiO_2	44.2	<0.04	37.7	46.4	45.1 (31)	53.0	51.6	50.8	45.0
TiO_2	<0.04	52.9	0.08	0.91	1.12 (185)	0.61	0.78	1.37	0.78
Al_2O_3	35.3	0.18	0.15	1.10	24.2 (80)	1.06	1.22	1.99	0.95
Cr_2O_3	<0.04	0.47	<0.04	<0.04	0.09 (13)	0.29	0.27	0.52	<0.04
MgO	<0.04	2.88	36.8	0.68	6.57 (485)	24.4	19.6	14.8	0.68
CaO	19.0	0.09	0.11	18.9	14.3 (35)	1.56	4.78	18.1	7.69
FeO	0.07	41.1	24.5	30.1	6.24 (557)	18.0	20.4	11.4	42.4
Na_2O	0.56	<0.04	<0.04	0.14	0.54 (42)	<0.04	0.05	0.09	<0.04
K_2O	<0.04	<0.04	<0.04	<0.04	0.16 (29)	<0.04	<0.04	<0.04	<0.04
Total	**99.13**	**97.62**	**99.34**	**98.23**	**98.30**	**98.92**	**98.70**	**99.07**	**97.50**

	61221 –9.2 (10-20µm)								
	Plag	Ilm	Olivine	Vol Gls.	Agglut. Gls.	Opx	Pig	Mg-Cpx	Fe-Cpx
SiO_2	44.1	0.08	38.0	65.9	45.3 (41)	53.3	51.9	51.0	48.6
TiO_2	<0.04	51.8	0.07	1.16	1.00 (170)	0.60	0.68	1.01	0.89
Al_2O_3	34.9	0.10	0.08	12.1	23.1 (77)	0.95	1.16	1.48	1.11
Cr_2O_3	<0.04	0.44	0.05	0.08	0.13 (15)	0.34	0.36	0.42	0.14
MgO	0.07	2.57	37.0	1.58	7.37 (484)	24.8	20.4	14.6	8.37
CaO	19.1	0.42	0.19	2.69	13.9 (36)	1.65	4.01	18.7	14.3
FeO	0.16	41.9	24.0	4.66	6.98 (545)	17.64	20.4	11.4	24.8
Na_2O	0.58	<0.04	<0.04	1.42	0.43 (34)	<0.04	<0.04	0.07	0.07
K_2O	0.04	0.05	<0.04	6.37	0.14 (26)	<0.04	<0.04	<0.04	<0.04
Total	**98.95**	**97.36**	**99.39**	**95.96**	**98.37**	**99.28**	**98.91**	**98.68**	**98.28**

	67461 –25 (20-45µm)								
	Plag	Ilm	Olivine	Vol Gls.	Agglut. Gls.	Opx	Pig	Mg-Cpx	Fe-Cpx
SiO_2	44.0	0.04	36.1	72.7	43.9 (43)	53.3	52.1	50.5	46.4
TiO_2	<0.04	52.4	0.06	0.35	0.53 (55)	0.56	0.51	1.06	0.82
Al_2O_3	35.0	0.07	<0.04	9.74	24.6 (79)	0.99	1.27	1.53	0.72
Cr_2O_3	<0.04	0.20	0.04	<0.04	0.15 (48)	0.38	0.42	0.56	0.05
MgO	0.06	2.33	30.9	0.12	7.47 (547)	25.4	22.3	14.3	4.01
CaO	19.2	0.22	0.11	0.47	14.6 (37)	1.52	4.51	19.0	15.7
FeO	0.15	42.4	31.9	5.26	6.48 (481)	16.9	17.3	11.5	28.0
Na_2O	0.54	<0.04	<0.04	0.11	0.40 (24)	<0.04	<0.04	0.06	0.04
K_2O	<0.04	<0.04	<0.04	7.11	0.08 (17)	<0.04	<0.04	<0.04	-----
Total	**98.95**	**97.66**	**99.11**	**95.86**	**98.26**	**99.05**	**98.41**	**98.51**	**95.74**

	67461 –25 (10-20µm)								
	Plag	Ilm	Olivine	Vol Gls.	Agglut. Gls.	Opx	Pig	Mg-Cpx	Fe-Cpx
SiO_2	44.3	0.04	36.6	73.4	43.7 (48)	52.7	51.9	50.8	47.5
TiO_2	<0.04	52.7	0.05	0.35	0.55 (35)	0.51	0.55	1.01	0.83
Al_2O_3	34.6	0.09	<0.04	9.92	24.9 (67)	0.79	1.36	1.43	0.75
Cr_2O_3	<0.04	0.22	0.04	<0.04	0.15 (23)	0.43	0.43	0.53	0.05
MgO	0.07	2.38	31.0	0.10	7.28 (497)	25.6	22.9	14.8	4.21
CaO	19.3	0.23	0.11	0.42	13.9 (47)	1.15	4.54	18.6	15.8
FeO	0.18	42.7	31.7	5.12	6.63 (453)	16.7	17.0	11.4	29.5
Na_2O	0.55	<0.04	<0.04	0.13	0.36 (19)	<0.04	<0.04	0.05	0.04
K_2O	<0.04	<0.04	<0.04	7.81	0.07 (11)	<0.04	<0.04	<0.04	-----
Total	**99.00**	**98.36**	**99.50**	**97.25**	**97.54**	**97.88**	**98.68**	**98.62**	**98.64**

	67481 –31 (20-45µm)								
	Plag	Ilm	Olivine	Vol Gls.	Agglut. Gls.	Opx	Pig	Mg-Cpx	Fe-Cpx
SiO_2	44.2	0.09	36.9	68.9	44.3 (36)	52.6	52.8	51.1	47.6
TiO_2	<0.04	53.1	0.08	0.27	0.76 (301)	0.53	0.59	1.14	1.33
Al_2O_3	35.0	<0.04	0.08	15.3	25.6 (69)	0.85	0.85	1.51	0.79
Cr_2O_3	<0.04	0.23	0.06	<0.04	0.14 (15)	0.33	0.32	0.55	0.17
MgO	0.06	2.81	33.1	0.10	6.53 (502)	23.3	22.2	14.3	4.49
CaO	19.1	0.10	0.07	1.31	15.1 (35)	1.40	4.42	18.5	17.1
FeO	0.06	42.6	29.3	0.09	5.59 (490)	19.9	18.0	11.9	27.1
Na_2O	0.56	0.04	<0.04	0.32	0.43 (22)	<0.04	<0.04	0.09	0.11
K_2O	0.06	0.04	<0.04	10.7	0.08 (10)	<0.04	<0.04	<0.04	<0.04
Total	**99.04**	**99.01**	**99.59**	**96.99**	**98.51**	**98.91**	**99.18**	**99.09**	**98.69**

	67481-31 (10-20µm)								
	Plag	Ilm	Olivine	Vol Gls.	Agglut. Gls.	Opx	Pig	Mg-Cpx	Fe-Cpx
SiO_2	44.6	0.07	37.1	70.5	44.5 (38)	53.1	53.1	51.7	48.4
TiO_2	<0.04	52.8	0.07	0.37	0.85 (138)	0.59	0.61	0.94	0.90
Al_2O_3	34.6	<0.04	<0.04	14.3	24.6 (69)	0.79	0.96	1.30	0.70
Cr_2O_3	<0.04	0.31	0.07	<0.04	0.13 (13)	0.34	0.31	0.44	0.05
MgO	0.08	2.58	33.9	<0.04	7.03 (446)	24.3	22.0	14.9	5.04
CaO	18.9	0.25	0.14	1.71	14.7 (32)	1.69	3.96	19.3	16.8
FeO	0.15	42.0	28.2	0.43	6.20 (468)	18.3	18.8	10.8	26.6
Na_2O	0.65	<0.04	<0.04	0.67	0.44 (54)	<0.04	<0.04	0.05	0.06
K_2O	0.06	<0.04	<0.04	9.11	0.18 (73)	<0.04	<0.04	<0.04	<0.04
Total	**99.04**	**98.01**	**99.48**	**97.09**	**98.64**	**99.11**	**99.74**	**99.43**	**98.55**

	61141 –56 (20-45µm)								
	Plag	Ilm	Olivine	Vol Gls.	Agglut. Gls.	Opx	Pig	Mg-Cpx	Fe-Cpx
SiO_2	44.3	<0.04	37.7	71.5	44.2 (41)	52.8	52.2	51.4	45.2
TiO_2	<0.04	53.4	0.06	0.35	1.05 (169)	0.66	0.61	0.85	0.89
Al_2O_3	34.9	0.06	0.06	14.4	23.5 (83)	0.86	0.97	1.29	0.87
Cr_2O_3	<0.04	0.38	0.07	<0.04	0.16 (16)	0.33	0.33	0.40	0.08
MgO	0.04	3.78	37.7	0.15	7.52 (516)	24.6	21.3	15.1	0.69
CaO	18.9	0.13	0.11	1.55	14.3 (37)	1.61	4.62	20.0	10.4
FeO	0.10	40.8	23.5	0.68	7.17 (583)	18.0	18.8	9.57	39.8
Na_2O	0.70	<0.04	<0.04	0.86	0.40 (28)	<0.04	<0.04	0.07	<0.04
K_2O	0.05	<0.04	<0.04	7.70	0.11 (25)	<0.04	<0.04	<0.04	<0.04
Total	**98.99**	**98.65**	**99.20**	**97.19**	**98.47**	**98.86**	**98.83**	**98.68**	**97.93**

	61141 –56 (10-20µm)								
	Plag	Ilm	Olivine	Vol Gls.	Agglut. Gls.	Opx	Pig	Mg-Cpx	Fe-Cpx
SiO_2	44.4	0.07	37.8	74.2	44.5 (41)	53.6	52.6	51.0	44.9
TiO_2	0.05	52.9	0.10	0.17	0.88 (129)	0.72	0.80	1.15	0.84
Al_2O_3	34.6	<0.04	<0.04	11.7	23.9 (72)	1.05	1.05	1.39	0.97
Cr_2O_3	<0.04	0.44	0.06	<0.04	0.14 (12)	0.44	0.43	0.38	0.09
MgO	0.07	2.96	37.3	0.42	7.60 (448)	25.8	22.5	14.3	1.03
CaO	19.0	0.21	0.13	0.64	14.5 (33)	1.75	4.51	19.1	10.7
FeO	0.17	41.7	24.2	1.63	6.75 (445)	16.1	17.2	11.5	39.9
Na_2O	0.68	<0.04	<0.04	1.32	0.42 (38)	<0.04	<0.04	0.09	<0.04
K_2O	0.07	<0.04	<0.04	8.40	0.14 (26)	<0.04	<0.04	<0.04	<0.04
Total	**99.04**	**98.28**	**99.59**	**98.48**	**98.75**	**99.46**	**99.09**	**98.91**	**98.43**

	64801 –82 (20-45µm)								
	Plag	Ilm	Olivine	Vol Gls.	Agglut. Gls.	Opx	Pig	Mg-Cpx	Fe-Cpx
SiO_2	44.1	0.06	37.7	73.5	45.5 (38)	53.3	51.4	50.8	48.6
TiO_2	<0.04	53.3	0.07	0.39	1.02 (143)	0.78	0.73	1.34	0.36
Al_2O_3	34.7	0.15	0.06	12.1	22.7 (78)	1.17	1.12	1.84	0.59
Cr_2O_3	<0.04	0.39	0.08	<0.04	0.13 (12)	0.41	0.36	0.56	0.24
MgO	<0.04	4.01	37.1	<0.04	6.97 (503)	26.1	19.6	15.3	5.40
CaO	19.3	0.22	0.15	0.93	13.9 (36)	1.84	4.75	18.5	19.3
FeO	0.07	40.4	24.1	1.64	7.02 (502)	15.5	20.6	10.4	23.9
Na_2O	0.47	<0.04	<0.04	0.93	0.42 (35)	<0.04	<0.04	0.09	0.08
K_2O	<0.04	0.04	<0.04	7.93	0.21 (58)	<0.04	<0.04	<0.04	<0.04
Total	**98.64**	**98.57**	**99.26**	**97.42**	**97.97**	**99.10**	**98.56**	**98.83**	**98.47**

	64801 –82 (10-20µm)								
	Plag	Ilm	Olivine	Vol Gls.	Agglut. Gls.	Opx	Pig	Mg-Cpx	Fe-Cpx
SiO_2	43.9	0.04	37.7	70.8	44.8 (31)	53.5	52.4	50.6	48.4
TiO_2	<0.04	52.6	0.08	0.62	0.76 (98)	0.66	0.78	1.74	0.83
Al_2O_3	34.7	0.06	<0.04	12.7	23.8 (71)	1.18	1.15	2.14	1.20
Cr_2O_3	<0.04	0.56	0.08	<0.04	0.13 (13)	0.41	0.38	0.54	0.08
MgO	0.07	2.77	37.4	0.52	7.24 (460)	26.4	22.6	15.9	6.58
CaO	19.3	0.32	0.18	2.02	14.3 (34)	1.74	4.48	17.7	15.9
FeO	0.15	41.7	23.7	3.03	6.41 (446)	15.1	17.0	10.2	25.4
Na_2O	0.51	<0.04	<0.04	0.72	0.42 (47)	<0.04	<0.04	0.09	0.08
K_2O	<0.04	<0.04	<0.04	5.81	0.19 (46)	<0.04	<0.04	<0.04	<0.04
Total	**98.63**	**98.05**	**99.14**	**96.22**	**98.09**	**98.99**	**98.79**	**98.91**	**98.47**

	62231 –91 (20-45µm)								
	Plag	Ilm	Olivine	Vol Gls.	Agglut. Gls.	Opx	Pig	Mg-Cpx	Fe-Cpx
SiO_2	43.7	0.07	37.7	71.6	44.5 (39)	53.1	52.1	50.8	47.8
TiO_2	<0.04	52.6	0.08	0.39	0.92 (111)	0.68	0.60	1.10	1.39
Al_2O_3	35.0	0.10	<0.04	13.7	23.0 (80)	0.89	0.98	1.39	1.69
Cr_2O_3	0.05	0.39	0.14	0.07	0.21 (19)	0.42	0.44	0.49	0.17
MgO	0.07	2.83	37.1	0.56	7.69 (546)	25.2	20.9	14.5	6.53
CaO	19.3	0.22	0.13	1.24	14.1 (36)	1.71	4.63	19.0	13.3
FeO	0.15	42.1	24.0	0.71	7.26 (490)	16.8	19.1	11.2	27.9
Na_2O	0.50	<0.04	<0.04	1.19	0.41 (31)	<0.04	<0.04	0.07	0.05
K_2O	0.04	0.04	<0.04	7.51	0.15 (22)	<0.04	<0.04	<0.04	<0.04
Total	**98.81**	**98.31**	**99.15**	**96.97**	**98.20**	**98.80**	**98.75**	**98.55**	**98.83**

	62231 –91 (10-20µm)								
	Plag	Ilm	Olivine	Vol Gls.	Agglut. Gls.	Opx	Pig	Mg-Cpx	Fe-Cpx
SiO_2	44.2	0.08	37.4	68.2	44.4 (37)	53.3	52.6	51.3	47.6
TiO_2	<0.04	52.7	0.09	0.20	0.91 (132)	0.59	0.74	1.17	1.36
Al_2O_3	34.8	0.06	<0.04	15.4	23.0 (76)	0.98	1.09	1.55	1.58
Cr_2O_3	<0.04	0.51	0.08	<0.04	0.18 (14)	0.39	0.41	0.46	0.13
MgO	0.06	3.24	35.2	0.16	7.66 (464)	24.2	21.9	14.8	6.09
CaO	19.2	0.33	0.17	1.52	14.2 (35)	1.69	4.43	18.2	13.8
FeO	0.11	41.2	26.5	1.37	7.34 (527)	18.0	18.1	11.6	28.0
Na_2O	0.53	<0.04	<0.04	1.11	0.45 (53)	<0.04	<0.04	0.08	0.04
K_2O	0.05	<0.04	<0.04	9.40	0.14 (29)	<0.04	<0.04	<0.04	<0.04
Total	**98.95**	**98.12**	**99.44**	**97.36**	**98.29**	**99.15**	**99.27**	**99.16**	**98.60**