

896174
Chu-chua

BLANK

SUMMARY OF RESULTS IN % CORRECTED FOR BLANK AND BIAS SET 78 ANALYST & F. RALPH																		
SAMPLE NUMBER	REF NO	SI02	AL203	FE203 TOTAL	MGO	CAO	NA2O	K2O	TI02	MNO	H2O TOTAL	-H2O	CO2	P205	S	FE0	FE203	TOTAL
SAMPLE 20838	1	63.13	16.13	5.95	0.15	0.44	6.223	0.883	0.840	<0.031	0.91	0.31	<0.15	0.25	4.76	0.39	5.51	100.12
SAMPLE 20839	2	57.25	23.86	4.35	0.49	0.48	0.566	5.208	1.209	0.035	3.08	0.74	0.45	0.18	1.83	1.39	2.81	99.57
SAMPLE 20840	3	55.30	20.00	7.92	1.53	0.43	1.084	3.235	1.082	0.098	3.53	0.91	<0.15	0.22	4.76	1.73	5.99	100.06
SAMPLE 20841	4	65.49	20.10	5.45	0.90	0.22	0.293	2.375	1.232	0.175	3.03	0.33	<0.15	0.14	0.04	4.54	0.40	99.42
SAMPLE 20842	5	62.34	20.12	1.88	1.13	1.29	6.684	0.731	1.509	0.082	1.73	0.57	0.29	0.46	1.06	0.56	1.26	99.80
SAMPLE 20843	6	52.40	20.19	9.12	1.66	1.19	1.774	3.498	1.061	0.163	3.68	0.86	<0.15	0.93	4.30	3.53	5.20	100.59
SAMPLE BLANK	7	< 0.42	< 0.04	< 0.05	< 0.02	< 0.02	< 0.007	< 0.012	< 0.013	< 0.031	0.	0.	0.	0.	0.	0.	0.	0.61
SAMPLE 20844	8	63.00	19.25	7.77	1.51	0.42	0.382	1.870	1.032	0.096	3.53	0.43	0.29	0.14	0.17	6.05	1.05	99.23
SAMPLE 20845	9	61.93	19.18	5.42	1.04	0.40	0.149	5.307	1.105	0.091	2.22	0.92	<0.15	0.30	0.70	2.96	2.13	98.58
SAMPLE SY-2	10	59.65	12.10	6.26	2.65	7.99	4.309	4.544	0.158	0.321	0.46	0.23	0.46	0.44	0.01	3.54	2.33	99.19
SAMPLE 20846	11	60.76	19.59	5.10	0.39	0.27	0.227	4.038	1.052	<0.031	3.17	0.41	0.44	0.11	1.94	2.22	2.63	97.28
SAMPLE 20847	12	64.26	17.33	5.62	0.48	0.24	0.134	5.254	1.067	<0.031	2.19	0.17	<0.15	0.18	4.15	1.09	4.40	101.13
SAMPLE 20848	13	56.16	19.68	8.06	1.20	0.40	0.640	4.945	0.911	0.043	2.99	0.51	0.29	0.16	4.03	3.26	4.44	99.64
SAMPLE 22260	14	45.75	15.24	12.29	8.19	9.65	2.733	0.358	2.081	0.209	3.76	0.	0.33	0.18	0.07	4.20	7.62	100.37
SAMPLE 22261	15	84.88	5.51	1.57	1.00	2.06	0.025	0.791	0.177	0.110	0.94	0.	1.47	0.92	0.01	1.30	0.13	99.32
SAMPLE 22262	16	50.35	13.80	9.27	6.30	9.92	2.635	0.127	1.810	0.155	3.34	0.	1.76	0.32	<0.01	7.05	1.43	99.00
SAMPLE SY-2	17	59.87	12.06	6.25	2.68	7.93	4.351	4.592	0.143	0.325	0.46	0.23	0.46	0.44	0.01	3.54	2.31	99.41
SAMPLE BLANK	18	< 0.42	< 0.04	< 0.05	< 0.02	< 0.02	< 0.007	< 0.012	< 0.013	< 0.031	0.	0.	0.	0.	0.	0.	0.	0.61
RELATIVE STANDARD DEVIATION %																		
INITIAL FLAME	=	3.836	7.561	2.721	3.254	*****	2.428	1.638	9.879	3.649								
FINAL FLAME	=	1.575	0.653	1.233	0.681	1.838	1.334	0.804	5.786	*****								
ABOUT LINE	=	0.697	0.839	0.734	0.404	0.802	0.494	0.349	*****	1.363								
LIMIT DETECTION	=	0.421	0.037	0.051	0.017	0.024	0.007	0.012	0.013	0.031								
POLYNOMIAL ORDER																		
DRIFT	=	3	7	3	4	3	2	5	4	2								
CALIBRATION	=	3	3	5	4	3	3	3	2	2								
RELATIVE STANDARD DEVIATION ON STANDARD SY-2																		
BETWEEN SAMPLES	=	<0.879	<1.586	<2.856	0.742	<4.907	<2.704	<1.817	<*****	<1.789								
MEASUREMENT																		
OBTAINED	=	0.194	0.350	0.630	0.109	1.082	0.596	0.401	9.613	0.395								
EXPECTED	=	1.035	0.482	0.825	0.446	1.122	0.923	0.641	5.468	9.257								
MEAN ON SY-2	=	59.76	12.08	6.25	2.67	7.96	4.328	4.567	0.151	0.323								
ACCEPTED MEAN	=	59.76	12.08	6.26	2.68	7.96	4.33	4.49	0.15	0.32								

MADE IN CANADA

Chu-chua

Color scheme
 37 Basalt
 38 "Siliceous Rock"
 39 Basalt
 [referenced numbers for plots]
 see list on vice class'n plot

Fennel Furn

SUMMARY OF RESULTS IN % CORRECTED FOR BLANK AND BIAS SET 65 ANALYST MAC

SAMPLE NUMBER	REF NO	SiO2	AL2O3	FE2O3 TOTAL	MGO	CAO	NA2O	K2O	TiO2	MNO	+H2O	-H2O	CO2	P2O5	S	FeO	FE2O3	TOTA
SAMPLE 20123	X 1	46.45	14.79	12.80	7.07	10.85	2.814	0.868	1.920	0.198	2.85	0.19	0.11	0.15	0.15	9.97	1.72	100.
SAMPLE 20124	X 2	52.79	16.55	11.01	3.19	7.37	3.998	0.294	2.013	0.203	2.86	0.14	0.11	0.52	0.01	8.53	1.53	100.
SAMPLE 20125	X 3	50.18	14.31	10.89	7.38	8.80	3.771	0.042	1.578	0.173	2.90	0.28	0.37	0.30	0.05	8.74	1.18	100.
SAMPLE 20126	X 4	49.38	14.44	10.54	7.15	12.52	0.854	0.342	1.371	0.183	3.73	0.19	0.11	0.15	0.03	8.33	1.28	100.

PRETO AP FENNEL VZ

X Pillow Basalt
 ● Mesa Basalt

SAMPLE 20127	5	47.74	15.11	11.03	6.76	9.17	4.032	0.137	1.712	0.190	3.27	0.30	1.47	0.30	0.02	8.39	1.71	100.
SAMPLE 20128	6	49.16	16.04	11.22	5.58	9.12	4.095	0.230	1.770	0.203	2.81	0.29	0.11	0.34	0.01	8.14	2.17	100.
SAMPLE BLANK	7	< 0.16	< 0.02	< 0.04	< 0.02	< 0.03	< 0.006	< 0.006	< 0.037	< 0.008	0.	0.	0.	0.	0.	0.	0.	0.
SAMPLE 20129	8	61.00	17.96	3.68	0.86	3.96	4.793	3.850	0.422	0.140	0.	0.	0.21	0.54	0.24	0.22	1.57	1.93
SAMPLE 20130	9	50.30	14.53	9.52	8.13	11.43	1.562	0.429	0.690	0.154	2.73	0.11	0.11	0.15	0.01	7.19	1.53	99.
SAMPLE SY-2	10	59.94	11.98	6.26	2.64	8.07	4.283	4.561	0.147	0.326	0.46	0.53	0.46	0.44	0.01	3.53	2.34	99.
SAMPLE 20131	11	43.19	15.16	17.58	8.37	1.02	1.782	3.278	3.700	0.050	5.19	0.21	0.11	0.78	0.01	8.81	7.79	99.
SAMPLE 20132	12	64.21	17.87	2.51	0.22	0.62	4.729	6.620	0.231	0.066	0.62	0.20	0.11	0.15	0.80	0.54	1.91	99.
SAMPLE 20427	13	54.04	19.20	7.33	4.18	7.33	3.977	1.923	0.790	0.170	1.38	0.	0.	0.	0.	0.	0.	100.
SAMPLE 20428	14	53.19	18.58	7.61	4.48	5.69	3.779	2.886	0.845	0.168	2.11	0.	0.	0.	0.	0.	0.	99.
SAMPLE 20429	15	58.89	17.58	6.71	2.50	4.28	2.514	2.450	0.643	0.199	2.74	0.	0.	0.	0.	0.	0.	98.
SAMPLE 20430	16	63.76	16.30	4.30	1.92	3.39	5.484	0.842	0.426	0.160	5.51	0.	0.	0.	0.	0.	0.	99.
SAMPLE 20431	17	55.92	17.96	5.81	3.06	5.33	6.018	0.791	0.574	0.137	3.56	0.	0.	0.	0.	0.	0.	99.
SAMPLE BLANK	18	< 0.16	< 0.02	< 0.04	< 0.02	< 0.03	< 0.006	< 0.006	< 0.037	< 0.008	0.	0.	0.	0.	0.	0.	0.	0.
SAMPLE 20432	19	52.95	18.07	7.46	3.75	5.55	5.212	1.073	0.754	0.248	3.73	0.	0.	0.	0.	0.	0.	98.
SAMPLE 20433	20	53.23	18.41	7.79	5.20	5.08	4.033	2.159	0.776	0.123	2.18	0.	0.	0.	0.	0.	0.	98.
SAMPLE 20434	21	59.35	16.59	6.04	3.22	2.28	5.533	0.898	0.703	0.149	3.07	0.	0.	0.	0.	0.	0.	97.
SAMPLE SY-2	22	60.07	12.22	6.32	2.69	7.94	4.351	4.503	0.139	0.322	1.18	0.	0.	0.	0.	0.	0.	99.
SAMPLE 20435	23	63.90	16.74	4.59	2.57	1.47	5.119	1.905	0.504	0.108	2.29	0.	0.	0.	0.	0.	0.	99.
SAMPLE 20436	24	56.67	20.25	5.06	2.75	4.37	4.373	1.336	0.610	0.091	2.68	0.	0.	0.	0.	0.	0.	98.
SAMPLE 20437	25	56.25	20.28	8.53	1.55	6.51	2.631	0.283	0.663	0.215	2.23	0.	0.	0.	0.	0.	0.	99.
SAMPLE 20438	26	55.16	19.07	8.11	2.71	4.45	4.104	1.612	0.792	0.161	2.92	0.	0.	0.	0.	0.	0.	99.
SAMPLE 20439	27	41.54	18.74	10.22	7.26	5.58	0.566	2.889	1.083	1.026	3.06	0.	0.	0.	0.	0.	0.	97.
SAMPLE 20440	28	51.38	21.41	7.46	3.57	5.56	2.951	2.843	0.796	0.137	3.36	0.	0.	0.	0.	0.	0.	99.
SAMPLE 20441	29	63.23	16.42	4.06	2.31	4.44	3.463	1.685	0.457	0.075	3.22	0.	0.	0.	0.	0.	0.	99.
SAMPLE BLANK	30	< 0.16	< 0.02	< 0.04	< 0.02	< 0.03	< 0.006	< 0.006	< 0.037	< 0.008	0.	0.	0.	0.	0.	0.	0.	0.
SAMPLE 20442	31	70.64	14.71	1.75	0.56	2.40	0.334	4.225	0.275	0.136	3.32	0.	0.	0.	0.	0.	0.	98.
SAMPLE 20674	32	59.94	17.20	5.27	1.61	4.21	4.369	2.273	0.629	0.093	3.33	0.	0.	0.	0.	0.	0.	98.
SAMPLE 20675	33	62.76	16.45	4.46	2.21	2.93	4.978	2.680	0.586	0.072	1.96	0.	0.	0.	0.	0.	0.	99.
SAMPLE SY-2	34	59.34	12.01	6.23	2.62	7.96	4.305	4.479	0.144	0.320	1.18	0.	0.	0.	0.	0.	0.	98.
SAMPLE 20676	35	66.10	16.42	2.45	0.81	3.17	4.682	2.231	0.296	0.070	2.41	0.	0.	0.	0.	0.	0.	98.
SAMPLE 20677	36	65.39	15.80	5.44	1.56	3.09	3.839	1.574	0.874	0.117	1.26	0.	0.	0.	0.	0.	0.	98.

RELATIVE STANDARD DEVIATION %

INITIAL FLAME	=	0.780	0.921	0.829	0.833	1.235	0.613	0.857	2.322	2.687
FINAL FLAME	=	0.714	0.792	0.697	0.574	1.164	0.567	0.798	2.339	3.236
ABOUT LINE	=	1.215	0.449	0.391	0.257	0.465	0.291	0.332	1.762	0.455
LIMIT DETECTION	=	0.158	0.023	0.037	0.018	0.026	0.006	0.006	0.037	0.008
POLYNOMIAL ORDER										
DRIFT	=	7	6	10	6	5	8	8	4	8
CALIBRATION	=	3	5	4	4	3	4	4	2	3
RELATIVE STANDARD DEVIATION ON STANDARD SY-2 BETWEEN SAMPLES	=	<1.035	<1.505	<0.972	1.255	<1.661	<0.744	<0.910	<****	<1.336
MEASUREMENT OBTAINED	=	0.509	0.740	0.478	0.348	0.817	0.366	0.447	5.457	0.656
EXPECTED	=	0.577	0.543	0.595	0.492	0.718	0.545	0.690	****	2.157
MEAN ON SY-2	=	59.79	12.07	6.27	2.65	7.99	4.313	4.514	0.143	0.322
ACCEPTED MEAN	=	59.76	12.08	6.26	2.68	7.96	4.33	4.49	0.15	0.32

SAMPLE NUMBER	SUMMARY OF RESULTS IN REF NO	CORRECTED FOR BLANK AND BIAS										ANALYST CHAUDHRY				P205	S	FEO	FE2O3	TOTAL
		SI02	AL2O3	FE2O3	MGO	CAO	NA2O	K2O	TI02	MNO	LOI	Ba	CO2	CO2						
SAMPLE 22369	1	47.58	15.61	11.58	6.38	11.65	1.936	0.158	1.945	0.186	0.278	0.0	0.0	0.0	0.0	0.0	0.0	97.03	99.81	
SAMPLE 22370	2	47.28	15.55	11.68	6.67	11.17	2.185	0.079	1.955	0.190	0.334	0.0	0.0	0.0	0.0	0.0	0.0	96.76	100.10	
SAMPLE 22371	3	49.97	14.69	10.57	6.25	10.21	3.445	0.101	1.889	0.182	0.256	0.0	0.0	0.0	0.0	0.0	0.0	97.31	99.87	
SAMPLE 22374	4	48.18	14.78	10.98	6.64	10.64	3.130	0.053	1.794	0.192	0.301	0.0	0.0	0.0	0.0	0.0	0.0	96.40	99.41	
SAMPLE 22372	5	50.78	14.27	10.04	6.06	9.06	3.668	0.075	1.782	0.193	0.343	0.0	0.0	0.0	0.0	0.0	0.0	95.92	99.35	
SAMPLE 22373	6	47.66	15.58	11.51	7.24	10.41	2.638	0.138	1.927	0.198	0.294	0.0	0.0	0.0	0.0	0.0	0.0	97.30	101.00	
SAMPLE BLANK	7	< 0.13	< 0.06	< 0.03	< 0.02	< 0.02	< 0.030	< 0.013	< 0.054	< 0.007	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.03		
SAMPLE 22375	8	45.15	14.48	10.96	8.24	6.30	1.365	1.083	1.697	0.170	0.398	0.0	0.0	0.0	0.0	0.0	0.0	89.44	99.46	
SAMPLE 22376	9	58.26	5.38	17.67	5.89	0.91	< 0.030	0.025	0.279	0.044	0.917	0.0	0.0	0.0	0.0	0.0	0.0	88.46	97.83	
SAMPLE SY-2	10	59.65	12.14	6.23	2.64	7.96	4.259	4.445	0.150	0.326	0.46	0.23	0.46	0.44	0.01	3.54	2.30	99.02		
SAMPLE 22377	11	43.16	13.90	10.23	6.98	8.11	0.110	1.472	1.728	0.173	0.520	0.250	0.0	0.0	0.0	0.0	0.0	85.87	98.89	
SAMPLE 22378	12	44.54	13.19	10.46	6.43	9.45	1.680	0.662	1.685	0.194	0.106	0.243	0.0	0.0	0.0	0.0	0.0	88.29	99.56	
SAMPLE 22379	13	45.21	13.49	10.77	7.14	8.33	1.918	0.568	1.675	0.253	0.106	0.107	0.0	0.0	0.0	0.0	0.0	89.36	99.53	
SAMPLE 22381	14	47.57	15.17	11.23	6.63	11.90	2.539	0.049	1.809	0.198	0.262	0.0	0.0	0.0	0.0	0.0	0.0	97.09	99.71	
SAMPLE 22382	15	45.36	13.88	10.28	5.69	10.04	2.819	0.047	1.678	0.169	0.500	0.027	0.0	0.0	0.0	0.0	0.0	89.95	99.48	
SAMPLE 22383	16	49.38	14.60	11.25	6.38	9.50	3.811	0.074	1.797	0.190	0.284	0.066	0.0	0.0	0.0	0.0	0.0	96.98	99.89	
SAMPLE 22384	17	42.16	14.43	10.49	6.30	7.64	0.348	1.759	1.613	0.141	0.910	0.445	0.0	0.0	0.0	0.0	0.0	84.88	98.43	
SAMPLE BLANK	18	< 0.13	< 0.06	< 0.03	< 0.02	< 0.02	< 0.030	< 0.013	< 0.054	< 0.007	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.02		
SAMPLE 22385	19	60.51	0.62	3.92	29.08	0.04	0.072	0.013	0.065	< 0.007	0.507	0.0	0.0	0.0	0.0	0.0	0.0	94.30	99.37	
SAMPLE 22386	20	45.09	13.60	10.43	6.33	7.12	0.243	1.252	1.672	0.159	0.873	0.406	0.0	0.0	0.0	0.0	0.0	85.90	98.69	
SAMPLE 22387	21	49.67	14.17	10.76	5.49	10.69	2.949	0.034	1.641	0.179	0.376	0.040	0.0	0.0	0.0	0.0	0.0	95.58	99.32	
SAMPLE SY-2	22	59.88	12.22	6.16	2.64	7.98	4.284	4.518	0.153	0.324	0.46	0.23	0.46	0.44	0.01	3.54	2.23	99.36		
SAMPLE 22389	23	46.93	15.56	11.76	7.24	9.68	2.936	0.109	1.952	0.205	0.290	0.069	0.0	0.0	0.0	0.0	0.0	96.38	99.35	
SAMPLE 22390	24	47.33	15.32	11.94	7.05	7.39	3.302	0.417	1.828	0.212	0.408	0.562	0.0	0.0	0.0	0.0	0.0	94.78	99.42	
SAMPLE 22391	25	47.02	14.40	10.16	6.62	4.99	0.394	1.664	1.803	0.178	0.647	0.447	0.0	0.0	0.0	0.0	0.0	87.23	98.17	
SAMPLE 22393	26	42.37	15.02	12.08	6.90	6.93	2.865	0.412	1.876	0.190	0.942	0.297	0.0	0.0	0.0	0.0	0.0	88.66	98.38	
SAMPLE 22394	27	43.78	13.51	9.27	5.62	7.55	0.203	2.228	1.652	0.155	0.63	0.443	0.0	0.0	0.0	0.0	0.0	83.97	98.03	
SAMPLE 22395	28	43.18	13.12	10.14	6.39	4.69	0.089	1.081	1.656	0.152	0.948	0.772	0.0	0.0	0.0	0.0	0.0	80.51	97.71	
SAMPLE 22396	29	47.48	15.98	11.42	6.64	9.72	2.653	0.556	1.926	0.191	0.232	0.623	0.0	0.0	0.0	0.0	0.0	96.56	99.50	
SAMPLE BLANK	30	< 0.13	< 0.06	< 0.03	< 0.02	< 0.02	< 0.030	< 0.013	< 0.054	< 0.007	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.05		
SAMPLE 22397	31	46.61	15.64	12.19	7.22	9.27	3.361	0.147	1.900	0.206	0.306	0.156	0.0	0.0	0.0	0.0	0.0	96.54	99.76	
SAMPLE 22398	32	46.87	15.50	11.13	6.70	10.94	2.200	0.423	1.906	0.196	0.299	0.868	0.0	0.0	0.0	0.0	0.0	95.86	99.72	
SAMPLE 22399	33	47.89	14.95	11.00	6.30	11.91	1.625	0.133	1.893	0.192	0.268	0.301	0.0	0.0	0.0	0.0	0.0	95.89	99.87	
SAMPLE SY-2	34	60.35	11.87	6.24	2.67	7.91	4.304	4.481	0.170	0.328	0.46	0.23	0.46	0.44	0.01	3.54	2.31	99.53		
SAMPLE 22401	35	71.69	8.91	4.66	2.92	0.59	< 0.030	0.056	0.483	0.046	0.309	0.624	0.0	0.0	0.0	0.0	0.0	89.35	98.70	
SAMPLE 22402	36	86.00	3.84	4.15	2.46	0.07	< 0.030	0.053	0.129	0.008	0.257	0.019	0.0	0.0	0.0	0.0	0.0	96.71	99.30	

RELATIVE STANDARD DEVIATION %																			
INITIAL FLAME	=	0.853	2.233	1.163	0.679	1.029	1.552	1.339	2.871	2.958									
FINAL FLAME	=	0.468	1.246	0.629	0.622	0.931	1.262	1.184	3.435	3.473									
ABOUT LINE	=	0.315	0.985	0.327	0.352	0.334	0.411	0.430	4.591	0.979									
LIMIT DETECTION	=	0.130	0.060	0.032	0.018	0.024	0.030	0.013	0.054	0.007									
POLYNOMIAL ORDER	=																		
DRIFT	=	8	7	9	8	8	2	6	3	1									

CALIBRATION	=	4	3	4	5	5	3	3	2	2
RELATIVE STANDARD DEVIATION ON STANDARD SY-2 BETWEEN SAMPLES	=	<0.685	1.416	0.697	<0.832	<1.423	<0.881	<0.983	<*****	<2.069
MEASUREMENT OBTAINED	=	0.337	0.621	0.191	0.409	0.699	0.433	0.483	7.347	1.017
MEASUREMENT EXPECTED	=	0.507	0.832	0.598	0.453	0.581	1.068	0.951	*****	2.279
MEAN ON SY-2	=	59.96	12.08	6.21	2.65	7.95	4.282	4.481	0.157	0.326
ACCEPTED MEAN	=	59.76	12.08	6.26	2.68	7.96	4.33	4.49	0.15	0.32

SAMPLE NUMBER	SUMMARY OF RESULTS IN % CORRECTED FOR BLANK AND BIAS SET 75 ANALYST CHAUDHRY																TOTAL		
	REF NO	SI02	AL203	FE203	MGO	CAO	NA2O	K2O	TI02	MNO	LOI	Ba	CO2	P2O5	S	FE0			FE203
SAMPLE 22403	1	47.53	14.90	9.80	6.34	6.86	3.760	0.152	1.466	0.172	0.811	0.225	0.	0.	0.	0.	90.97	99.30	
SAMPLE 22404	2	46.10	15.37	9.40	6.35	7.73	2.407	1.014	1.482	0.151	0.884	0.622	0.	0.	0.	0.	90.01	99.51	
SAMPLE 22405	3	43.43	15.52	16.18	9.75	3.72	1.180	0.050	1.961	0.203	0.675	0.169	0.	0.	0.	0.	91.99	98.91	
SAMPLE 22406	4	74.51	7.41	6.71	0.29	0.21	0.042	0.942	0.338	0.009	0.477	0.395	0.	0.	0.	0.	90.46	99.14	
SAMPLE 22407	5	75.72	9.76	3.29	1.15	1.80	0.184	1.988	0.636	0.271	0.411	0.135	0.	0.	0.	0.	94.80	100.24	
SAMPLE 22408	6	46.04	13.11	10.10	6.73	8.81	0.080	1.477	1.578	0.161	0.1103	0.576	0.	0.	0.	0.	88.09	99.70	
SAMPLE BLANK	7	< 0.09	< 0.02	< 0.02	< 0.02	< 0.02	0.008	< 0.012	< 0.052	< 0.007	0.	0.	0.	0.	0.	0.	0.00		
SAMPLE 22409	8	48.19	15.53	10.33	6.67	8.73	3.510	0.356	1.653	0.178	0.438	0.525	0.	0.	0.	0.	95.15	100.05	
SAMPLE 22410	9	49.43	16.46	9.66	6.27	10.78	3.779	0.122	1.595	0.170	0.256	0.065	0.	0.	0.	0.	97.27	99.83	
SAMPLE SY-2	10	60.80	12.22	6.14	2.63	7.89	4.257	4.642	0.140	0.317	0.46	0.23	0.46	0.44	0.01	3.54	2.20	100.23	100.54
SAMPLE 22411	11	84.88	4.59	5.77	1.02	0.10	0.052	0.561	0.160	0.160	0.314	0.115	0.	0.	0.	0.	97.28		
SAMPLE 22412	12	49.71	15.21	10.65	5.27	6.45	4.920	0.021	1.829	0.158	0.494	0.024	0.	0.	0.	0.	94.22	99.22	
SAMPLE 22413	13	49.74	15.75	9.95	6.27	10.07	3.232	0.058	1.608	0.171	0.323	0.040	0.	0.	0.	0.	96.84	100.11	
SAMPLE 22414	14	47.48	15.89	10.38	6.74	8.71	3.453	0.349	1.625	0.177	0.432	0.511	0.	0.	0.	0.	94.81	99.64	
SAMPLE 22415	15	47.62	16.12	11.70	6.94	8.75	2.606	0.220	1.980	0.181	0.372	0.	0.	0.	0.	0.	96.11	99.83	
SAMPLE 22416	16	47.20	15.10	11.08	6.58	11.31	2.518	0.207	1.813	0.196	0.335	0.	0.	0.	0.	0.	96.00	99.33	
SAMPLE 22417	17	47.63	15.50	11.09	6.83	10.49	3.240	0.183	1.813	0.193	0.265	0.	0.	0.	0.	0.	96.98	99.63	
SAMPLE BLANK	18	< 0.09	< 0.02	< 0.02	< 0.02	< 0.02	< 0.007	< 0.012	< 0.052	< 0.007	0.	0.	0.	0.	0.	0.	0.00		
SAMPLE 22418	19	48.24	15.28	11.25	6.77	10.88	2.639	0.196	1.904	0.180	0.283	0.	0.	0.	0.	0.	97.35	100.18	
SAMPLE 22419	20	47.89	15.42	11.32	6.84	10.44	2.459	0.134	1.834	0.186	0.271	0.	0.	0.	0.	0.	96.52	99.73	
SAMPLE 22420	21	47.14	16.12	11.07	7.03	11.42	2.860	0.034	1.787	0.189	0.330	0.	0.	0.	0.	0.	97.65	99.95	
SAMPLE SY-2	22	60.35	12.35	6.13	2.68	7.90	4.289	4.451	0.147	0.318	0.46	0.23	0.46	0.44	0.01	3.54	2.20	99.83	98.97
SAMPLE 22421	23	47.58	15.02	9.91	5.18	13.47	1.679	0.056	1.718	0.169	0.419	0.	0.	0.	0.	0.	94.78		
SAMPLE 22422	24	48.68	15.47	10.60	6.54	10.96	2.168	0.222	1.851	0.182	0.262	0.077	0.	0.	0.	0.	96.68	99.58	
SAMPLE 22423	25	47.14	15.06	11.11	7.06	10.30	3.172	0.108	1.847	0.188	0.282	0.107	0.	0.	0.	0.	95.99	98.92	
SAMPLE 22424	26	47.59	15.41	11.11	6.58	10.78	2.624	0.190	1.848	0.179	0.284	0.	0.	0.	0.	0.	96.32	99.16	
SAMPLE 22425	27	54.22	3.87	3.45	28.59	0.33	0.064	< 0.012	0.490	0.021	0.673	0.246	0.	0.	0.	0.	96.53	98.01	
SAMPLE 22426	28	29.57	0.96	21.15	19.75	0.12	< 0.007	< 0.012	< 0.052	0.039	0.288	0.419	0.	0.	0.	0.	71.60	93.90	
SAMPLE 22427	29	80.97	7.43	3.91	1.74	0.72	0.019	1.241	0.368	0.048	0.220	0.482	0.	0.	0.	0.	96.44	98.14	
SAMPLE 22428	30	68.14	12.17	6.37	2.95	0.14	0.043	3.054	0.644	0.065	0.488	0.	0.	0.	0.	0.	93.57	98.45	
SAMPLE 22429	31	85.25	5.97	2.01	1.19	0.60	0.019	1.299	0.196	0.195	0.265	0.	0.	0.	0.	0.	96.72	99.37	
SAMPLE 22430	32	46.74	15.45	10.41	6.78	9.44	2.594	1.040	1.637	0.191	0.319	0.104	0.	0.	0.	0.	94.27	98.58	
SAMPLE 22431	33	49.12	15.58	11.08	5.99	7.80	3.284	0.293	1.923	0.304	0.422	0.087	0.	0.	0.	0.	95.38	99.69	
SAMPLE SY-2	34	59.88	12.28	6.13	2.61	7.90	4.252	4.458	0.145	0.321	0.46	0.23	0.46	0.44	0.01	3.54	2.19	99.17	
SAMPLE 22432	35	56.74	14.49	8.92	4.28	7.31	3.651	0.232	1.494	0.172	0.226	0.056	0.	0.	0.	0.	97.29	99.61	
SAMPLE 22433	36	49.03	15.78	11.04	5.94	7.88	3.253	0.293	1.902	0.305	0.	0.091	0.	0.	0.	0.	95.42		

RELATIVE STANDARD DEVIATION %																	
INITIAL FLAME	=	1.029	0.702	0.783	0.974	0.779	1.110	1.447	2.949	2.906							
FINAL FLAME	=	0.467	0.601	0.505	0.862	0.851	0.833	0.974	4.021	3.091							
ABOUT LINE	=	0.220	1.666	0.350	0.818	0.601	0.587	0.315	*****	0.398							
LIMIT DETECTION	=	0.093	0.022	0.020	0.017	0.024	0.007	0.012	0.052	0.007							
POLYNOMIAL ORDER	=	8	6	7	10	8	6	7	9	6							
DRIFT	=	8	6	7	10	8	6	7	9	6							
CALIBRATION	=	4	5	4	5	4	3	4	2	3							
RELATIVE STANDARD DEVIATION ON STANDARD SY-2	=	0.745	< 0.731	< 0.648	< 1.600	< 0.697	< 1.090	2.348	< 5.921	< 1.085							
BETWEEN SAMPLES MEASUREMENT	=	0.153	0.359	0.318	0.786	0.343	0.536	0.459	2.910	0.533							
OBTAINED EXPECTED	=	0.398	0.415	0.488	0.585	0.556	0.648	0.803	*****	2.136							
MEAN ON SY-2	=	60.35	12.28	6.13	2.64	7.89	4.266	4.517	0.144	0.319							
ACCEPTED MEAN	=	59.76	12.08	6.26	2.68	7.96	4.33	4.49	0.15	0.32							

April 1980

SAMPLE NUMBER	REF NO	SUMMARY OF RESULTS IN		% CORRECTED FOR BLANK AND BIAS SET 77						ANALYST J. KWONG									
		SI02	AL2O3	FE2O3 TOTAL	MGO	CAO	NA2O	K2O	TI02	MNO	H2O	-H2O	CO2	P2O5	S	FEO	FE2O3	TOTAL	
SAMPLE	22555	1	60.22	18.20	4.51	1.92	4.61	3.761	6.870	0.478	0.163	1.07	0.	0.	0.	0.01	1.50	2.85	101.65
SAMPLE	22556	2	47.93	16.83	11.36	6.13	9.55	3.111	1.909	0.710	0.249	3.33	0.	0.	0.	0.01	4.51	6.35	100.62
SAMPLE	22557	3	44.56	17.03	11.97	6.15	12.78	2.166	1.210	0.896	0.158	2.02	0.	0.	0.	0.01	4.23	7.27	98.47
SAMPLE	22558	4	41.50	17.84	13.48	6.40	11.34	1.323	2.887	1.002	0.231	2.74	0.	0.	0.	0.01	5.07	7.84	98.18
SAMPLE	22559	5	50.79	18.51	8.16	4.02	10.14	4.321	0.890	0.670	0.190	1.49	0.	0.	0.	0.01	3.14	4.67	98.86
SAMPLE	BLANK	6	< 0.09	< 0.02	< 0.03	< 0.21	< 0.03	< 0.007	< 0.007	< 0.053	< 0.005	0.	0.	0.	0.	0.	0.	0.	0.46
SAMPLE	22560	7	40.80	4.06	9.31	17.30	3.38	0.185	0.775	0.152	0.165	6.64	0.	0.	0.	0.07	4.69	4.10	82.32
SAMPLE	22561	8	42.98	6.19	9.38	25.58	5.90	0.544	1.377	0.261	0.144	5.64	0.	0.	0.	0.23	3.11	5.93	97.88
SAMPLE	22562	9	50.03	18.45	8.96	3.39	8.89	4.057	0.836	0.816	0.165	3.43	0.	0.	0.	0.07	4.86	3.56	98.56
SAMPLE	SY-2	10	60.01	12.09	6.18	2.73	7.88	4.343	4.491	0.137	0.312	0.46	0.23	0.46	0.44	0.01	3.54	2.24	99.39
SAMPLE	22563	11	51.59	17.54	6.12	2.27	8.56	3.384	1.196	0.461	0.138	7.86	0.	0.	0.	0.01	1.38	4.59	98.98
SAMPLE	22564	12	47.56	13.74	9.79	9.42	9.38	2.697	2.087	0.764	0.171	3.30	0.	0.	0.	0.05	6.08	3.03	98.29
SAMPLE	22565	13	48.96	17.22	9.08	5.46	10.41	2.985	2.299	0.637	0.141	2.10	0.	0.	0.	0.02	4.49	4.09	98.82
SAMPLE	22566	14	54.63	6.36	3.41	4.03	12.30	0.048	0.243	0.103	0.099	17.56	0.	0.	0.	0.04	2.57	0.55	88.53
SAMPLE	22567	15	44.24	17.08	10.20	5.05	8.14	3.945	2.442	0.888	0.250	6.82	0.	0.	0.	0.03	5.09	4.54	98.51
SAMPLE	22568	16	45.85	17.13	8.86	3.45	8.26	3.484	2.955	0.671	0.242	7.76	0.	0.	0.	0.01	0.90	7.86	98.59
SAMPLE	22569	17	45.80	14.73	17.52	6.41	6.93	2.636	2.185	0.788	0.057	2.51	0.	0.	0.	0.21	8.36	8.23	98.85
SAMPLE	BLANK	18	< 0.09	< 0.02	< 0.03	< 0.21	< 0.03	< 0.007	< 0.007	< 0.053	< 0.005	0.	0.	0.	0.	0.	0.	0.	0.46
SAMPLE	22570	19	52.10	17.13	8.57	5.21	7.12	4.776	1.232	0.728	0.068	2.22	0.	0.	0.	0.03	4.75	3.29	98.67
SAMPLE	22571	20	45.08	16.89	11.98	6.01	12.72	2.180	1.230	0.891	0.161	2.05	0.	0.	0.	0.01	4.14	7.38	98.73
SAMPLE	22572	21	52.45	18.94	7.09	3.79	5.78	3.879	3.684	0.460	0.070	2.06	0.	0.	0.	0.01	3.74	2.93	97.80
SAMPLE	SY-2	22	59.50	11.90	6.11	2.55	7.80	4.263	4.506	0.156	0.319	0.46	0.23	0.46	0.44	0.01	3.54	2.18	98.31
SAMPLE	22573	23	47.86	12.68	9.94	11.53	10.00	2.114	1.402	0.647	0.169	2.72	0.	0.	0.	0.02	6.57	2.64	98.35
SAMPLE	22574	24	38.53	17.26	16.01	7.26	14.91	0.545	1.321	0.884	0.127	2.62	0.	0.	0.	0.01	6.00	9.34	98.81
SAMPLE	22575	25	39.04	5.97	22.75	12.16	17.49	0.292	0.071	1.144	0.177	0.52	0.	0.	0.	0.04	7.86	14.01	98.78

SAMPLE	22576	26	52.27	17.56	8.66	5.08	7.01	4.837	1.227	0.702	0.072	1.75	0.	0.	0.	0.04	4.43	3.74	98.73
SAMPLE	22577	27	43.85	18.10	9.34	6.93	16.20	1.129	0.688	0.832	0.163	1.85	0.	0.	0.	0.06	6.86	1.72	98.38
SAMPLE	22380	28	49.82	14.55	10.58	6.35	10.13	3.445	0.094	1.787	0.167	2.38	0.	0.	0.	0.	0.	0.	99.31
SAMPLE	22388	29	45.64	13.39	10.18	5.72	10.03	2.830	0.048	1.631	0.161	9.47	0.	0.	0.	0.	0.	0.	99.11
SAMPLE	BLANK	30	< 0.09	< 0.02	< 0.03	< 0.21	< 0.03	< 0.007	< 0.007	< 0.053	< 0.005	0.	0.	0.	0.	0.	0.	0.	0.46
SAMPLE	22392	31	47.00	14.47	10.14	6.74	5.08	0.401	1.660	1.751	0.165	5.47	0.	0.	0.	0.	0.	0.	93.88
SAMPLE	22400	32	42.83	15.40	17.10	9.91	3.72	1.161	0.040	1.936	0.202	6.76	0.	0.	0.	0.	0.	0.	99.05
SAMPLE	22425	33	53.97	3.77	3.53	28.59	0.35	0.074	< 0.007	0.489	0.020	6.86	0.	0.	0.	0.	0.	0.	97.66
SAMPLE	SY-2	34	59.47	12.18	6.18	2.71	7.88	4.270	4.515	0.165	0.316	0.46	0.23	0.46	0.44	0.01	3.54	2.25	98.90
SAMPLE	22426	35	29.75	0.94	25.46	20.62	0.14	0.012	< 0.007	< 0.053	0.034	20.74	0.	0.	0.	0.	0.	0.	77.02
SAMPLE	6-2-21	36	54.07	17.55	5.53	5.59	4.61	5.982	1.272	0.811	0.220	3.38	0.	0.	0.	0.	0.	0.	99.02

RELATIVE STANDARD DEVIATION %

INITIAL FLAME	=	1.253	0.960	0.866	2.689	2.073	1.441	0.966	2.512	2.528
FINAL FLAME	=	0.549	0.893	0.785	3.493	0.952	1.199	0.873	6.938	2.522
ABOUT LINE	=	0.283	1.675	0.738	0.587	0.578	0.615	0.456	4.060	0.349
LIMIT DETECTION	=	0.091	0.025	0.033	0.209	0.028	0.007	0.007	0.053	0.005
POLYNOMIAL ORDER										
DRIFT	=	7	4	8	3	8	5	1	4	6
CALIBRATION	=	4	5	5	2	3	3	4	2	4
RELATIVE STANDARD DEVIATION ON STANDARD SY-2										
BETWEEN SAMPLES	=	<1.449	1.109	<0.907	<9.787	<0.903	<1.568	<1.110	<*****	<1.397
MEASUREMENT										
OBTAINED	=	0.712	0.467	0.446	4.810	0.444	0.771	0.545	8.974	0.687
EXPECTED	=	0.435	0.565	0.546	4.493	0.581	0.858	0.661	*****	1.725
MEAN ON SY-2	=	59.66	12.06	6.16	2.66	7.85	4.292	4.504	0.153	0.315
ACCEPTED MEAN	=	59.76	12.08	6.26	2.68	7.96	4.33	4.49	0.15	0.32

47.30 99

98.53

WJM

98.76