

Reference	Sample	Country	Location1	Type	id	id2	id3	Group	Point	Tol	SnO2	TiO2	SiO2	Fe2O3	Mn2O3	Cr2O3	Al2O3	BaO	ZnO
MOSTMEG	MT#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#12_1_micas	1	2	0	0.547	48.22	4.0609	0	0.101	33.426	0.171	0
MOSTMEG	MT#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#12_1_micas	2	2	0.087	0.298	49.907	2.1244	0	0.151	32.004	0.231	0
MOSTMEG	MT#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#12_1_micas	3	2	0	0.288	50.21	2.1212	0	0.093	32.122	0.299	0
MOSTMEG	MT#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#12_1_micas	4	2	0	1.382	46.433	0.2195	0	0.138	33.099	0.345	0
MOSTMEG	MT#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#12_1_micas	5	2	0	0.305	49.224	0.338	0	0.083	29.697	0.207	0
MOSTMEG	MT#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#12_2_micas	1	2	0.003	0.398	47.573	1.9267	0	0.078	34.63	0.009	0
MOSTMEG	MT#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#12_2_micas	2	2	0	0.431	48.223	1.958	0	0.06	34.677	0.028	0
MOSTMEG	MT#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#12_2_micas	3	2	0	0.064	51.974	1.9985	0	0.071	26.408	0.176	0
MOSTMEG	MT#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#12_2_micas	4	2	0	0.078	52.377	3.2185	0	0.054	26.613	0.269	0
MOSTMEG	MT#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#12_3_micas	1	2	0	0.44	48.993	2.0643	0	0.079	33.121	0.191	0
MOSTMEG	MT#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#12_3_micas	2	2	0	0.393	49.676	2.1028	0	0.057	33.158	0.185	0
MOSTMEG	MT#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#12_3_micas	3	2	0.019	0.218	49.411	0.3612	0	0.073	30.803	0.098	0
MOSTMEG	MT#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#12_6_micas	1	2	0	0.266	47.707	1.0819	0	0.05	36.888	0.098	0
MOSTMEG	MT#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#12_6_micas	2	2	0	0.267	48.311	1.0966	0	0.079	36.815	0.175	0
MOSTMEG	MT#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#12_7_micas	1	2	0	0.303	49.561	2.2094	0.0323	0.073	33.544	0.235	0
MOSTMEG	MT#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#12_7_micas	2	2	0	0.339	49.514	0.3917	0	0.053	33.557	0.184	0
MOSTMEG	MT#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#12_8_micas	1	2	0	0.347	48.032	0.344	0	0.116	32.033	0.165	0
MOSTMEG	MT#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#12_8_micas	2	2	0	0.091	50.197	0.3294	0	0.041	27.582	0.31	0
MOSTMEG	MT#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#12_8_micas	3	2	0	0.181	48.558	0.3529	0	0.063	31.931	0.138	0
MOSTMEG	MT#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#12_9_micas	1	2	0	0.109	51.654	3.5685	0	0.102	27.831	0.307	0
MOSTMEG	MT#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#12_9_micas	2	2	0	0.178	49.136	2.6728	0	0.062	31.463	0.198	0
MOSTMEG	MT#1	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#1_1_micas	1	2	0.075	0.161	50.866	0.3911	0	0.098	31.539	0.186	0
MOSTMEG	MT#1	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#1_1_micas	2	2	0	0.15	48.593	2.3172	0	0.077	33.037	0.114	0
MOSTMEG	MT#1	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#1_1_micas	3	2	0	0.326	47.456	1.8401	0	0.084	32.11	0.257	0
MOSTMEG	MT#1	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#1_3_micas	1	2	0	0.112	48.166	1.6604	0	0.044	34.44	0.224	0
MOSTMEG	MT#1	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#1_3_micas	2	2	0.013	0.471	49.14	0	0	0.061	30.706	0.217	0
MOSTMEG	MT#1	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#1_3_micas	3	2	0	0.401	48.603	0	0	0.06	31.364	0.249	0
MOSTMEG	MT#1	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#1_3_micas	4	2	0	0.287	48.438	2.156	0	0.061	32.975	0.194	0
MOSTMEG	MT#1	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#1_4_micas	1	2	0	0.373	51.491	0.5951	0	0.086	29.23	0.29	0
MOSTMEG	MT#1	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#1_5_micas	1	2	0.09	0.143	48.264	3.0673	0	0.059	30.687	0.285	0
MOSTMEG	MT#1	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#1_5_micas	2	2	0	0.277	47.635	0	0	0.086	34.627	0.157	0
MOSTMEG	MT#1	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#1_5_micas	3	2	0.073	2.755	46.384	1.2425	0	0.105	33.336	0.345	0
MOSTMEG	MT#1	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#1_5_micas	4	2	0	0.361	50.544	0	0	0.096	28.797	0.192	0
MOSTMEG	MT#9	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#9_1_micas	1	2	0	0.163	49.185	2.0671	0.0067	0.093	35.303	0.21	0
MOSTMEG	MT#9	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#9_1_micas	2	2	0	0.172	49.089	2.0949	0.0434	0.076	35.573	0.152	0
MOSTMEG	MT#9	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#9_2_micas	1	2	0	0.269	49.583	0.4147	0	0.078	34.631	0.127	0
MOSTMEG	MT#9	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#9_3_micas	1	2	0	0.222	48.492	1.6474	0	0.131	34.826	0.226	0
MOSTMEG	MT#9	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#9_3_micas	2	2	0.045	0.116	47.88	1.5595	0	0.118	34.319	0.179	0
MOSTMEG	MT#9	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#9_4_micas	1	2	0	0.116	50.886	0.4158	0	0.041	33.306	0.11	0
MOSTMEG	MT#9	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#9_5_micas	1	2	0.013	0.346	50.787	0.3644	0	0.083	30.349	0.2	0
MOSTMEG	MT#9	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#9_5_micas	2	2	0.012	0.307	51.268	1.1852	0	0.082	30.518	0.142	0
MOSTMEG	MT#9	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#9_6_micas	1	2	0	0.13	49.3	1.6517	0	0.108	34.175	0.192	0
MOSTMEG	MT#9	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#9_6_micas	2	2	0	0.161	47.502	1.6237	0.0089	0.082	34.646	0.182	0
MOSTMEG	MT#9	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#9_7_micas	1	2	0.033	0.146	49.004	1.2225	0	0.082	35.999	0.22	0
MOSTMEG	MT#9	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#9_8_micas	1	2	0	0.243	50.059	0.387	0	0.07	32.525	0.102	0
MOSTMEG	MT#9	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#9_8_micas	2	2	0	0.205	50.408	0.3943	0	0.083	32.621	0.121	0
MOSTMEG	MT#9	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#9_9_micas	1	2	0	0.201	48.946	2.2027	0.0078	0.062	34.827	0.207	0
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_1_mica	1	2	0	0.373	48.791	0.845	0	0.123	34.764	0.242	0
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_1_mica	2	2	0	0.411	46.23	0.1146	0	0.106	35.872	0.362	0

Reference	Sample	Country	Location1	Type	id	id2	id3	Group	Point	Tol	SnO2	TiO2	SiO2	Fe2O3	Mn2O3	Cr2O3	Al2O3	BaO	ZnO
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_1_mica	3	2	0	0.39	47.737	0	0	0.064	34.984	0.336	0
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_1_mica	4	2	0	0.298	48.669	0	0	0.129	34.319	0.264	0
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_1_mica	5	2	0	0.338	46.686	0.1523	0	0.088	36.11	0.218	0
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_2_mica	1	2	0	0.292	48.457	0.9623	0	0.088	35.111	0.134	0
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_2_mica	2	2	0	0.322	47.89	1.3303	0	0.095	33.61	0.223	0
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_2_mica	3	2	0	0.376	47.954	0.3638	0	0.116	32.982	0.308	0
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_2_mica	4	2	0	0.443	47.852	0.2005	0	0.133	34.211	0.178	0
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_2_mica	5	2	0	0.349	47.463	0.1253	0	0.093	35.233	0.211	0
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_3_mica	1	2	0	0.424	46.808	0.1931	0	0.138	35.557	0.378	0
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_3_mica	2	2	0	0.272	47.088	0.236	0	0.151	33.879	0.171	0
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_3_mica	3	2	0.033	0.421	46.372	1.0013	0.0278	0.167	33.812	0.39	0
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_3_mica	4	2	0	0.132	48.687	0.5089	0	0.083	34.045	0.165	0
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_3_mica	5	2	0	0.399	47.645	0.1651	0	0.162	34.394	0.29	0
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_3_mica	6	2	0	0.29	46.46	0.404	0	0.107	34.515	0.422	0
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_4_mica	1	2	0	0.362	46.372	0.175	0	0.11	36.107	0.289	0
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_4_mica	2	2	0	0.362	50.237	0	0	0.13	31.997	0.219	0
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_4_mica	3	2	0	0.27	46.687	0.248	0	0.056	34.719	0.156	0
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_5_mica	1	2	0.011	0.384	49.86	1.1017	0	0.067	33.673	0.25	0
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_5_mica	2	2	0	0.328	48.14	0.3195	0	0.092	33.559	0.265	0
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_5_mica	3	2	0	0.311	47.487	0.3254	0	0.074	34.793	0.249	0
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_5_mica	4	2	0	0.296	47.547	0	0	0.061	35.875	0.292	0
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_5_mica	5	2	0	0.499	48.614	0	0	0.084	33.44	0.208	0
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_5_mica	6	2	0	0.419	48.506	0	0	0.116	34.33	0.234	0
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_6_bt	2	2	0	1.39	33.83	7.4525	0	0.113	19.592	0.029	0
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_6_mica	1	2	0	0.357	49.687	1.0483	0	0.067	33.457	0.259	0
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_6_mica	2	2	0	0.307	50.295	1.0754	0	0.1	32.187	0.246	0
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_6_mica	3	2	0	0.32	48.839	1.1227	0	0.111	33.202	0.297	0
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_6_mica	4	2	0	0.358	49.339	1.1059	0	0.036	33.026	0.277	0
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_6_mica	5	2	0	0.604	50.125	1.5281	0.0389	0.088	31.267	0.219	0
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_6_mica	6	2	0	0.443	48.353	0.3333	0	0.062	33.365	0.161	0
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_7_mica	1	2	0.045	0.257	48.885	0.9449	0	0.052	34.621	0.18	0
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_7_mica	2	2	0	0.258	48.391	0	0	0.016	34.085	0.137	0
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_7_mica	3	2	0	0.268	48.933	0	0	0.062	33.569	0.237	0
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_7_mica	4	2	0	0.32	48.613	0	0	0.066	33.396	0.205	0
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_7_mica	5	2	0	0.189	48.813	0	0	0.077	33.338	0.143	0
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_8_mica	1	2	0	0.246	46.907	0.4005	0	0.244	36.789	0.284	0
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_8_mica	2	2	0	0.16	47.736	0.0296	0	0.056	35.554	0.128	0
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_8_mica	3	2	0	0.072	47.363	0.0662	0	0.135	35.062	0.09	0
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_8_mica	4	2	0.054	0.137	54.69	0.7035	0.0089	0.075	29.811	0.107	0
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_8_mica	5	2	0	0.121	47.231	0.2103	0	0.078	35.694	0.225	0
MOSTMEG	MT#11	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT11_11_bt	1	2	0	0.06	36.416	9.2943	0	0.063	20.774	0.069	0
MOSTMEG	MT#11	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT11_11_bt	2	2	0	0.059	34.466	9.7394	0	0.061	21.865	0.148	0
MOSTMEG	MT#11	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT11_11_bt	3	2	0	0.265	35.403	9.1684	0	0.02	20.877	0.166	0
MOSTMEG	MT#11	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT11_11_bt	4	2	0	0.261	35.218	9.4656	0	0.078	21.16	0.105	0
MOSTMEG	MT#11	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT11_11_bt	5	2	0	0.31	36.053	9.7993	0	0.091	21.047	0.12	0
MOSTMEG	MT#11	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT11_11_bt	6	2	0	0.128	35.463	10.1302	0	0.05	21.575	0.096	0
MOSTMEG	MT#11	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT11_11_bt	7	2	0	0.187	36.104	8.6152	0	0.055	20.946	0.099	0
MOSTMEG	MT#11	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT11_11_bt	8	2	0	0.152	35.683	9.7362	0	0.052	21.094	0.114	0
MOSTMEG	MT#11	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT11_11_bt	9	2	0	0.372	34.214	9.1064	0	0.055	21.42	0.095	0

Reference	Sample	Country	Location1	Type	id	id2	id3	Group	Point	Tol	SnO2	TiO2	SiO2	Fe2O3	Mn2O3	Cr2O3	Al2O3	BaO	ZnO
MOSTMEG	MT#11	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT11_11_bt	10	2	0	0.265	35.614	9.5483	0	0.109	21.007	0.12	0
MOSTMEG	MT#11	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT11_11_mica	1	2	0	0	46.191	6.0135	0.0011	0.078	30.545	0.225	0
MOSTMEG	MT#11	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT11_11_mica	2	2	0	0	46.566	3.0229	0	0.053	30.006	0.214	0
MOSTMEG	MT#11	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT11_11_mica	3	2	0	0.001	46.113	2.6696	0	0.054	30.269	0.198	0
MOSTMEG	MT#11	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT11_11_mica	4	2	0	0	46.599	5.8067	0	0.017	30.355	0.16	0
MOSTMEG	MT#11	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT11_11_mica	5	2	0	0	46.52	3.1179	0	0.026	30.053	0.31	0
MOSTMEG	MT#11	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT11_11_mica	6	2	0	0.012	46.359	3.2075	0	0.044	30.143	0.318	0
MOSTMEG	MT#11	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT11_11_mica	7	2	0	0	45.084	6.0934	0	0.067	29.518	0.216	0
MOSTMEG	MT#11	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT11_12_bt	1	2	0	1.575	34.6	8.5172	0	0.063	20.194	0.095	0
MOSTMEG	MT#11	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT11_12_bt	2	2	0	1.375	33.049	7.6655	0	0.093	20.356	0.149	0
MOSTMEG	MT#11	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT11_12_bt	3	2	0	1.605	34.928	8.43	0	0.1	19.865	0.145	0
MOSTMEG	MT#11	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT11_1_bt	1	2	0	1.662	34.959	7.8941	0	0.2	19.357	0.088	0
MOSTMEG	MT#11	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT11_1_bt	2	2	0	1.528	34.814	7.984	0	0.152	19.524	0.145	0
MOSTMEG	MT#11	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT11_1_bt	3	2	0	1.735	34.376	7.6821	0	0.131	19.37	0.08	0
MOSTMEG	MT#11	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT11_1_bt	4	2	0	1.734	35.675	6.7436	0	0.166	19.696	0.071	0
MOSTMEG	MT#11	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT11_1_bt	5	2	0	1.586	35.202	8.3582	0	0.14	19.729	0.111	0
MOSTMEG	MT#11	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT11_1_bt	6	2	0	1.636	34.974	8.3174	0	0.119	19.795	0.159	0
MOSTMEG	MT#11	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT11_1_bt	7	2	0	1.562	35.324	8.1462	0	0.116	19.424	0.062	0
MOSTMEG	MT#11	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT11_1_mica	1	2	0	0.002	46.147	5.8152	0	0.071	30.552	0.126	0
MOSTMEG	MT#11	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT11_1_mica	2	2	0	0	46.186	5.41	0	0.051	30.383	0.141	0
MOSTMEG	MT#11	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT11_1_mica	3	2	0	0	43.445	4.4603	0	0.033	28.99	0.124	0
MOSTMEG	MT#11	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT11_2_bt	2	2	0	1.438	34.537	7.8234	0	0.207	19.594	0.049	0
MOSTMEG	MT#11	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT11_2_bt	3	2	0	1.116	35.313	6.1648	0	0.166	20.666	0.144	0
MOSTMEG	MT#11	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT11_2_bt	4	2	0	1.147	35.799	6.3613	0	0.161	20.586	0.13	0
MOSTMEG	MT#11	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT11_2_bt	5	2	0	1.042	34.81	9.1217	0	0.13	20.702	0.194	0
MOSTMEG	MT#11	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT11_2_bt	6	2	0	1.601	35.621	6.8309	0	0.072	19.809	0.096	0
MOSTMEG	MT#11	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT11_2_bt	7	2	0	1.535	35.396	8.0638	0	0.12	19.941	0.082	0
MOSTMEG	MT#11	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT11_2_bt	8	2	0	1.621	35.184	6.8982	0	0.1	20.093	0.103	0
MOSTMEG	MT#11	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT11_2_chl	3	2	0	0	46.415	6.3959	0	0.053	28.387	0.141	0.094
MOSTMEG	MT#11	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT11_3_bt	1	2	0	1.644	35.738	7.6167	0	0.352	19.851	0.06	0
MOSTMEG	MT#11	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT11_3_bt	2	2	0	1.649	35.592	7.1192	0	0.358	20.09	0.093	0
MOSTMEG	MT#11	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT11_3_bt	3	2	0	1.656	35.113	8.6317	0	0.383	20.04	0.146	0
MOSTMEG	MT#11	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT11_3_chl	2	2	0	0	45.061	0.5808	0	0.065	27.829	0.053	0
MOSTMEG	MT#11	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT11_4_bt	1	2	0	1.459	35.451	8.422	0	0.122	20.048	0.046	0
MOSTMEG	MT#11	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT11_4_bt	2	2	0	1.693	35.837	6.208	0	0.158	20.083	0.081	0
MOSTMEG	MT#11	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT11_4_bt	3	2	0	1.628	35.36	8.0524	0	0.166	20.021	0.063	0
MOSTMEG	MT#11	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT11_4_bt	4	2	0	1.684	35.116	8.4198	0	0.189	19.662	0.037	0
MOSTMEG	MT#11	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT11_4_bt	5	2	0	1.705	35.6	8.3556	0	0.106	19.831	0.067	0
MOSTMEG	MT#11	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT11_4_mica	1	2	0	0	45.275	7.2693	0.0634	0.043	30.204	0.062	0
MOSTMEG	MT#11	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT11_4_mica	3	2	0	0.01	45.788	3.0875	0	0.087	30.219	0	0
MOSTMEG	MT#11	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT11_4_mica	4	2	0	0.012	44.488	1.8205	0	0.065	28.793	0.044	0
MOSTMEG	MT#11	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT11_5_bt	2	2	0	1.373	34.27	7.9114	0	0.133	19.836	0.054	0
MOSTMEG	MT#11	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT11_5_bt	3	2	0	1.689	34.922	8.1102	0	0.127	19.783	0.027	0
MOSTMEG	MT#11	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT11_5_bt	4	2	0	1.575	34.139	8.0461	0	0.101	20.097	0.09	0
MOSTMEG	MT#11	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT11_5_bt	5	2	0	1.679	34.122	8.0768	0	0.12	20.159	0.086	0
MOSTMEG	MT#11	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT11_5_mica	1	2	0	0	44.003	3.7923	0	0.015	29.076	0.047	0
MOSTMEG	MT#11	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT11_5_mica	2	2	0.005	0.066	45.89	3.6172	0	0.093	31.632	0.205	0
MOSTMEG	MT#11	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT11_5_mica	3	2	0	0	44.045	4.0073	0	0.078	27.876	0.043	0
MOSTMEG	MT#11	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT11_5_mica	4	2	0	0	46.083	2.839	0	0.035	30.26	0.141	0

Reference	Sample	Country	Location1	Type	id	id2	id3	Group	Point	Tol	SnO2	TiO2	SiO2	Fe2O3	Mn2O3	Cr2O3	Al2O3	BaO	ZnO
MOSTMEG	MT#11	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT11_5_mica	5	2	0	0	45.994	2.5648	0	0.044	29.853	0.088	0
MOSTMEG	MT#11	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT11_5_mica	6	2	0	0	45.478	2.876	0	0.035	31.271	0.219	0
MOSTMEG	MT#11	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT11_6_bt	1	2	0	1.684	34.502	8.1075	0	0.12	19.796	0.001	0
MOSTMEG	MT#11	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT11_6_bt	2	2	0	1.724	34.057	7.7442	0	0.106	19.705	0.052	0
MOSTMEG	MT#11	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT11_6_bt	3	2	0	1.791	35.387	7.5072	0	0.136	19.826	0.106	0
MOSTMEG	MT#11	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT11_6_mica	1	2	0	0.409	45.873	3.6096	0	0.056	31.152	0.218	0
MOSTMEG	MT#11	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT11_6_mica	2	2	0	0.001	45.18	6.377	0	0.03	29.878	0.222	0
MOSTMEG	MT#11	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT11_6_mica	3	2	0	0	45.12	4.5044	0	0.033	30.601	0.135	0
MOSTMEG	MT#11	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT11_6_mica	4	2	0	0.015	45.426	4.5816	0	0.042	30.527	0.206	0
MOSTMEG	MT#11	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT11_6_mica	5	2	0	0.582	41.622	11.5116	0	0.09	26.101	0.156	0
MOSTMEG	P#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P#12_1_biotite	1	2	0	1.849	39.658	8.0127	0	0.086	17.516	0	0
MOSTMEG	P#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P#12_1_biotite	2	2	0	1.851	39.907	8.3468	0	0.076	17.731	0.057	0
MOSTMEG	P#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P#12_1_biotite	3	2	0	1.64	37.593	8.1752	0	0.087	18.552	0.032	0
MOSTMEG	P#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P#12_1_moscovi	1	2	0	0.418	48.449	1.1592	0	0.041	35.914	0.302	0
MOSTMEG	P#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P#12_1_moscovi	2	2	0	0.398	48.584	1.1925	0	0.072	35.85	0.274	0
MOSTMEG	P#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P#12_2_biotite	2	2	0	1.779	39.144	7.3249	0	0.131	17.253	0.076	0
MOSTMEG	P#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P#12_2_moscovi	1	2	0	0.275	49.403	1.6954	0	0.091	34.224	0.222	0
MOSTMEG	P#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P#12_2_moscovi	2	2	0	0.268	49.486	1.9871	0	0.042	34.337	0.137	0
MOSTMEG	P#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P#12_3_biotite	2	2	0	1.755	38.948	7.7338	0	0.075	17.697	0.001	0
MOSTMEG	P#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P#12_3_biotite	3	2	0	1.72	38.889	7.7379	0	0.106	17.747	0.004	0
MOSTMEG	P#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P#12_3_moscovi	1	2	0	0.39	48.554	1.3523	0	0.107	35.009	0.227	0
MOSTMEG	P#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P#12_3_moscovi	2	2	0	0.472	47.2	0	0	0.13	33.536	0.175	0
MOSTMEG	P#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P#12_4_biotite	1	2	0	1.621	38.844	8.1057	0	0.117	17.948	0.088	0
MOSTMEG	P#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P#12_4_biotite	2	2	0	1.646	38.931	7.9488	0	0.12	17.792	0	0
MOSTMEG	P#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P#12_4_biotite	3	2	0	1.533	38.135	7.2516	0	0.038	17.245	0.104	0
MOSTMEG	P#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P#12_4_moscovi	1	2	0	0.215	50.794	0.378	0	0.102	31.373	0.143	0
MOSTMEG	P#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P#12_4_moscovi	2	2	0	0.205	51.157	0.382	0	0.051	31.35	0.104	0
MOSTMEG	P#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P#12_5_biotite	1	2	0	1.776	38.022	8.3591	0	0.043	18.792	0.028	0
MOSTMEG	P#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P#12_5_biotite	2	2	0	1.776	37.924	8.3088	0	0.1	18.82	0	0
MOSTMEG	P#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P#12_5_moscovi	1	2	0	0.296	50.169	1.7245	0	0.023	32.53	0.166	0
MOSTMEG	P#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P#12_5_moscovi	2	2	0	0.272	49.876	0.3913	0	0.07	32.516	0.144	0
MOSTMEG	P#2	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P#2_1_micas	1	2	0.007	0.33	48.031	0.3613	0	0.075	33.354	0.245	0
MOSTMEG	P#2	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P#2_1_micas	2	2	0	0.336	47.204	4.6743	0.0122	0.07	31.682	0.168	0
MOSTMEG	P#2	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P#2_2_micas	1	2	0.056	0.372	48.003	0.3421	0	0.057	32.404	0.172	0
MOSTMEG	P#2	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P#2_2_micas	2	2	0	0.223	46.108	3.409	0	0.052	29.576	0.137	0
MOSTMEG	P#2	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P#2_3_micas	1	2	0	0.26	49.544	1.5418	0	0.081	31.606	0.144	0
MOSTMEG	P#2	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P#2_3_micas	2	2	0	0.181	47.981	1.2643	0	0.072	29.392	0.217	0
MOSTMEG	P#2	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P#2_3_micas	3	2	0	0.219	50.857	2.0973	0	0.09	29.668	0.103	0
MOSTMEG	P#2	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P#2_4_micas	1	2	0	0.151	52.088	7.9739	0	0.05	25.749	0.115	0
MOSTMEG	P#2	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P#2_4_micas	2	2	0	0.297	46.78	0.3365	0	0.081	32.454	0.253	0
MOSTMEG	P#2	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P#2_5_micas	1	2	0	0.392	49.218	1.3024	0	0.124	29.242	0.196	0
MOSTMEG	P#2	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P#2_5_micas	2	2	0	0.223	49.484	2.113	0	0.054	31.198	0.237	0
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_1_bt	1	2	0	1.53	37.034	0	0	0.072	18.29	0.121	0
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_1_bt	2	2	0	1.541	36.764	6.4126	0	0.052	18.509	0.136	0
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_1_bt	3	2	0	1.525	36.851	0	0	0.069	18.339	0.123	0
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_1_bt	4	2	0	1.439	36.404	6.1792	0	0.088	18.818	0.147	0
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_1_bt	5	2	0	1.393	36.791	6.3063	0	0.098	18.319	0.154	0
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_1_bt	6	2	0	1.276	36.588	7.7164	0	0.091	19.768	0.259	0
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_1_mica	1	2	0	0.344	47.731	3.8986	0.089	0.055	32.384	0.33	0

Reference	Sample	Country	Location1	Type	id	id2	id3	Group	Point	Tol	SnO2	TiO2	SiO2	Fe2O3	Mn2O3	Cr2O3	Al2O3	BaO	ZnO
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_1_mica	2	2	0	0.278	48.681	0	0	0.041	31.204	0.266	0
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_1_mica	3	2	0	0.211	49.972	1.8426	0.0712	0.024	30.766	0.357	0
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_1_mica	4	2	0	0.345	48.081	0	0	0.034	31.835	0.358	0
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_2_bt	1	2	0	1.626	37.399	0	0	0.104	17.924	0.198	0
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_2_bt	2	2	0	1.533	37.22	6.7627	0	0.074	18.16	0.127	0
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_2_bt	3	2	0	1.63	37.768	6.3509	0	0.078	17.24	0.135	0
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_2_bt	4	2	0	1.46	36.768	0	0	0.099	18.875	0.134	0
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_2_bt	5	2	0	1.486	36.875	7.2298	0	0.06	18.38	0.13	0
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_2_mica	4	2	0	0.272	47.266	3.0973	0.0835	0.068	31.057	0.946	0
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_3_chl	2	2	0	1.431	36.522	6.0363	0	0.085	16.626	0.132	0
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_3_chl	3	2	0	1.458	36.75	6.7136	0	0.124	17.404	0.179	0.083
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_4_mica	1	2	0	0.425	49.466	0.9969	0	0.118	34.768	0.506	0
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_4_mica	2	2	0	0.413	48.885	0.2863	0	0.024	31.855	0.254	0
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_4_mica	4	2	0	0.384	48.043	0	0	0.039	33.672	0.509	0
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_4_mica	5	2	0	0.622	47.814	0.3521	0	0.106	32.229	0.425	0
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_4_mica	6	2	0	0.149	46.682	3.6797	0.059	0.023	31.803	0.244	0
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_4_mica	7	2	0	0.202	47.216	0	0	0.081	31.08	0.272	0
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_4_mica	8	2	0	0.157	46.624	0	0	0.107	31.923	0.281	0
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_4_mica	9	2	0	0.231	48.166	0	0	0.062	31.973	0.23	0
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_4_mica	10	2	0	0.223	42.717	8.4224	0	0.049	28.943	0.163	0
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_4_mica	11	2	0	0.323	46.978	0	0	0.052	29.992	0.206	0
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_4_mica	12	2	0.027	0.567	47.012	0.541	0	0.083	34.453	0.695	0
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_4_mica	13	2	0	0.678	45.667	0.2025	0	0.115	35.149	0.741	0
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_4_mica	14	2	0	0.605	46.48	0.224	0	0.108	35.082	0.857	0
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_4_mica	15	2	0.018	0.386	48.872	0	0	0.071	34.252	0.503	0
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_4_mica	16	2	0	0.335	47.131	0	0	0.087	31.125	0.272	0
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_4_mica	17	2	0	0.193	48.071	0	0	0.008	31.623	0.271	0
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_4_mica	18	2	0	0.228	47.452	0	0	0.073	32.099	0.273	0
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_5_bt	1	2	0	1.294	36.56	8.0749	0	0.079	18.815	0.124	0
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_5_bt	2	2	0	1.175	36.142	8.034	0	0.139	19.023	0.214	0
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_5_bt	3	2	0	1.308	36.603	7.7576	0	0.128	18.468	0.146	0
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_5_bt	4	2	0	1.463	37.431	7.6315	0	0.104	17.807	0.091	0
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_5_bt	5	2	0	1.299	35.531	7.5754	0	0.09	18.855	0.173	0
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_6_bt	1	2	0	1.48	37.671	0	0	0.1	18.258	0.165	0
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_6_bt	2	2	0	1.414	37.832	5.5789	0	0.102	18.238	0.108	0
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_6_bt	3	2	0	1.364	36.514	7.7722	0	0.135	18.55	0.072	0
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_6_bt	4	2	0	1.435	36.668	7.7542	0	0.109	18.351	0.142	0
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_7_bt	1	2	0	1.634	36.015	7.2315	0	0.12	18.34	0.144	0
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_7_bt	2	2	0	1.579	37.646	7.0858	0	0.117	17.282	0.084	0
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_7_bt	3	2	0	1.638	35.899	7.3551	0	0.117	18.328	0.13	0
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_7_mica	2	2	0	0.102	46.11	8.2895	0	0.029	30.108	0.229	0
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_8_mica	1	2	0	0.221	46.799	4.1275	0.0768	0.062	32.509	0.352	0
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_8_mica	2	2	0	0.162	47.431	0	0	0.058	31.872	0.422	0
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_8_mica	3	2	0	0.1	52.874	3.579	0	0.049	29.007	0.361	0
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_8_mica	4	2	0	0.169	47.101	0	0	0.041	32.14	0.321	0
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_8_mica	5	2	0	0.302	47.959	0	0	0.073	33.051	0.347	0
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_8_mica	8	2	0	0.236	47.148	0	0	0.087	31.249	0.282	0
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_8_mica	10	2	0	0.399	49.595	0	0	0.075	32.321	0.418	0
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_8_mica	11	2	0	0.68	49.707	0	0	0.074	33.838	0.511	0

Reference	Sample	Country	Location1	Type	id	id2	id3	Group	Point	Tol	SnO2	TiO2	SiO2	Fe2O3	Mn2O3	Cr2O3	Al2O3	BaO	ZnO
MOSTMEG	P#15	Portugal	CIZ	MP	BG_PT	R	RI	MOSTMEG_lvo-P15_1_mica	1	2	0	0.234	49.511	2.5405	0.0312	0.128	30.434	0.6	0
MOSTMEG	P#15	Portugal	CIZ	MP	BG_PT	R	RI	MOSTMEG_lvo-P15_1_mica	2	2	0	0.133	49.775	5.2933	0.0312	0.053	28.388	0.208	0
MOSTMEG	P#15	Portugal	CIZ	MP	BG_PT	R	RI	MOSTMEG_lvo-P15_1_mica	3	2	0	0.141	49.79	3.0148	0	0.049	27.373	0.153	0
MOSTMEG	P#15	Portugal	CIZ	MP	BG_PT	R	RI	MOSTMEG_lvo-P15_2_micas	1	2	0	0.476	45.304	3.4723	0	0.082	31.405	0.31	0
MOSTMEG	P#15	Portugal	CIZ	MP	BG_PT	R	RI	MOSTMEG_lvo-P15_2_micas	2	2	0	0.442	50.873	2.005	0	0.058	28.666	0.132	0
MOSTMEG	P#15	Portugal	CIZ	MP	BG_PT	R	RI	MOSTMEG_lvo-P15_3_mica	1	2	0	0.623	48.707	1.5948	0	0.103	34.202	0.186	0
MOSTMEG	P#15	Portugal	CIZ	MP	BG_PT	R	RI	MOSTMEG_lvo-P15_4_mica	1	2	0.037	0.17	49.947	1.8937	0	0.045	33.354	0.168	0
MOSTMEG	P#15	Portugal	CIZ	MP	BG_PT	R	RI	MOSTMEG_lvo-P15_4_mica	2	2	0	0.179	49.569	5.8435	0.0234	0.105	28.59	0.166	0
MOSTMEG	P#15	Portugal	CIZ	MP	BG_PT	R	RI	MOSTMEG_lvo-P15_5_mica	3	2	0	0.201	54.61	3.814	0	0.132	26.443	0.165	0
MOSTMEG	P#15	Portugal	CIZ	MP	BG_PT	R	RI	MOSTMEG_lvo-P15_5_mica	4	2	0	0.244	48.625	2.2483	0	0.082	31.959	0.182	0
MOSTMEG	P#15	Portugal	CIZ	MP	BG_PT	R	RI	MOSTMEG_lvo-P15_5_mica	5	2	0	0.143	48.873	0.3588	0	0.087	31.123	0.178	0
MOSTMEG	P#15	Portugal	CIZ	MP	BG_PT	R	RI	MOSTMEG_lvo-P15_5_mica	6	2	0	0.283	48.075	2.026	0.0056	0.106	32.389	0.229	0
MOSTMEG	P#15	Portugal	CIZ	MP	BG_PT	R	RI	MOSTMEG_lvo-P15_6_mica	1	2	0	0.246	45.929	2.6841	0	0.073	31.477	0.12	0
MOSTMEG	P#15	Portugal	CIZ	MP	BG_PT	R	RI	MOSTMEG_lvo-P15_6_mica	2	2	0	0.377	46.251	4.2476	0	0.074	29.831	0.082	0
MOSTMEG	P#15	Portugal	CIZ	MP	BG_PT	R	RI	MOSTMEG_lvo-P15_6_mica	3	2	0	0.175	42.762	7.8767	0	0.076	27.286	0.461	0
MOSTMEG	P#15	Portugal	CIZ	MP	BG_PT	R	RI	MOSTMEG_lvo-P15_6_mica	4	2	0	0.21	56.11	2.0371	0	0.071	26.754	0.358	0
MOSTMEG	P#15	Portugal	CIZ	MP	BG_PT	R	RI	MOSTMEG_lvo-P15_6_mica	5	2	0	0.257	50.722	1.4796	0	0.059	28.657	0.435	0
MOSTMEG	P#15	Portugal	CIZ	MP	BG_PT	R	RI	MOSTMEG_lvo-P15_6_mica	6	2	0	0.15	49.759	3.296	0	0.074	27.953	0.183	0
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_1_mica	1	2	0	0.538	49.358	2.6751	0	0.11	31.119	0.18	0
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_1_mica	2	2	0	0.473	49.321	0	0	0.066	30.825	0.229	0
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_1_mica	4	2	0	0.371	47.84	0	0	0.081	33.043	0.255	0
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_1_mica	5	2	0	0.317	48.595	0.4339	0	0.083	31.172	0.284	0
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_1_mica	6	2	0	0.389	48.379	0.3468	0	0.064	31.225	0.172	0
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_2_mica	1	2	0	0.238	49.071	1.3582	0	0.059	33.79	0.253	0
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_2_mica	3	2	0	0.44	48.184	0.3562	0	0.064	30.816	0.255	0
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_2_mica	4	2	0	0.379	49.411	0.3405	0	0.104	29.446	0.213	0
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_2_mica	5	2	0	0.397	49.45	0.3961	0	0.093	29.344	0.21	0
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_2_mica	7	2	0.092	0.494	48.732	0	0	0.088	30.66	0.242	0
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_2_mica	8	2	0.029	0.027	48.155	1.3769	0	0.065	36.499	0.205	0
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_3_mica	1	2	0	0.311	48.263	1.9321	0	0.052	34.411	0.205	0
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_3_mica	2	2	0	0.305	48.134	0	0	0.069	33.445	0.224	0
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_3_mica	3	2	0	0.342	48.139	0.3515	0	0.045	31.644	0.225	0
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_3_mica	4	2	0	0.349	49.696	0	0	0.09	30.163	0.182	0
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_3_mica	5	2	0	0.325	49.186	2.605	0.0056	0.101	31.162	0.193	0
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_4_mica	1	2	0	0.309	49.431	1.4001	0	0.053	28.852	0.209	0
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_4_mica	2	2	0	0.317	48.382	1.2344	0	0.056	28.532	0.203	0
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_4_mica	3	2	0	0.318	49.867	0.3354	0	0.084	28.669	0.221	0
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_4_mica	4	2	0	0.22	49.015	0.4652	0	0.031	30.612	0.107	0
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_4_mica	5	2	0	0.449	47.98	1.3826	0	0.127	30.192	0.208	0
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_4_mica	6	2	0	0.451	48.943	0.4353	0	0.057	30.013	0.218	0
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_4_mica	7	2	0	0.463	49.081	0.5661	0	0.063	30.106	0.161	0
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_4_mica	8	2	0.042	0.394	48.828	0.3442	0	0.054	30.396	0.28	0
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_5_mica	1	2	0	0.217	50.011	2.5073	0	0.066	31.14	0.167	0
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_5_mica	2	2	0	0.341	49.11	2.8762	0	0.061	30.461	0.243	0
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_5_mica	3	2	0	0.49	49.398	0	0	0.094	30.26	0.313	0
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_6_mica	1	2	0	0.467	49.349	2.4892	0	0.078	32.689	0.245	0
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_6_mica	2	2	0	0.498	49.056	0	0	0.083	31.06	0.195	0
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_6_mica	3	2	0	0.496	49.239	0	0	0.083	31.147	0.211	0
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_7_mica	1	2	0	0.18	47.284	0.3683	0	0.077	33.94	0.105	0

Reference	Sample	Country	Location1	Type	id	id2	id3	Group	Point	Tol	SnO2	TiO2	SiO2	Fe2O3	Mn2O3	Cr2O3	Al2O3	BaO	ZnO
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_7_mica	2	2	0	0.329	47.512	0.3367	0	0.098	31.813	0.217	0
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_7_mica	3	2	0	0.09	46.902	0	0	0.048	35.473	0	0
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_7_mica	4	2	0.045	0.08	46.524	0	0	0.04	35.749	0.01	0
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_7_mica	5	2	0	0.072	46.519	0.3764	0	0.021	35.064	0.019	0
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_8_mica	1	2	0	0.463	47.052	0	0	0.064	34.313	0.146	0
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_8_mica	2	2	0	0.593	46.893	0	0	0.052	34.142	0.069	0
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_8_mica	3	2	0	0.553	46.863	0	0	0.03	34.177	0.134	0
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_8_mica	4	2	0.169	0.054	46.987	0	0	0.006	32.114	0.088	0
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_8_mica	5	2	0.073	0.484	48.98	0	0	0.048	31.071	0.064	0
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_8_mica	6	2	0	0.31	47.696	0	0	0.032	33.291	0.07	0
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_9_mica	1	2	0	0.07	46.735	1.5859	0	0.045	36.319	0.113	0
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_9_mica	2	2	0.056	0.035	46.788	0	0	0.014	35.84	0.197	0
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_9_mica	3	2	0	0.012	47.185	0	0	0.042	35.433	0.155	0
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_9_mica	4	2	0	0.014	46.395	0	0	0.036	35.54	0.173	0
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_9_mica	5	2	0	0.025	47.042	0	0	0.046	34.965	0.085	0
MOSTMEG	P#5	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P5_1_mica	1	2	0	0.306	49.29	0.3622	0	0.089	31.294	0.224	0
MOSTMEG	P#5	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P5_1_mica	2	2	0	0.47	47.812	0.3352	0	0.057	31.25	0.248	0
MOSTMEG	P#5	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P5_1_mica	3	2	0	0.305	50.428	0.3211	0	0.1	27.035	0.143	0
MOSTMEG	P#5	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P5_1_mica	4	2	0	0.255	48.294	0.3618	0	0.08	31.917	0.234	0
MOSTMEG	P#5	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P5_1_mica	5	2	0.005	0.442	49.39	1.7633	0	0.088	28.304	0.205	0
MOSTMEG	P#5	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P5_1_mica	6	2	0	0.338	48.135	0.3497	0	0.099	31.57	0.222	0
MOSTMEG	P#5	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P5_1_mica	7	2	0	0.16	48.243	0.3373	0	0.072	31.007	0.172	0
MOSTMEG	P#5	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P5_2_mica	1	2	0	0.26	47.348	1.3696	0	0.082	31.221	0.259	0
MOSTMEG	P#5	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P5_2_mica	2	2	0	0.111	49.267	0.3729	0	0.086	31.357	0.042	0
MOSTMEG	P#5	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P5_2_mica	3	2	0	0.405	47.946	0.3571	0	0.06	31.965	0.252	0
MOSTMEG	P#5	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P5_2_mica	4	2	0	0.347	50.653	0.431	0	0.128	27.976	0.121	0
MOSTMEG	P#5	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P5_2_mica	5	2	0	0.296	49.371	0.5236	0	0.107	29.403	0.205	0
MOSTMEG	P#5	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P5_3_mica	1	2	0	0.332	50.373	1.4386	0	0.095	28.791	0.434	0
MOSTMEG	P#5	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P5_3_mica	2	2	0	0.198	47.496	0.3778	0	0.076	33.834	0.115	0
MOSTMEG	P#5	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P5_3_mica	3	2	0	0.346	46.927	0.4228	0	0.084	31.811	0.226	0
MOSTMEG	P#5	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P5_3_mica	4	2	0	0.259	50.554	0	0	0.07	30.459	0.218	0
MOSTMEG	P#5	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P5_3_mica	5	2	0	0.34	47.455	0.3516	0	0.075	32.353	0.225	0
MOSTMEG	P#5	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P5_4_mica	1	2	0	0.228	49.031	0.3557	0	0.087	31.294	0.197	0
MOSTMEG	P#5	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P5_4_mica	2	2	0	0.325	47.864	0.3615	0	0.08	32.248	0.137	0
MOSTMEG	P#5	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P5_4_mica	3	2	0	0.394	48.39	0	0	0.04	32.062	0.247	0
MOSTMEG	P#5	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P5_4_mica	4	2	0	0.525	41.061	0	0	0.075	34.084	0.258	0
MOSTMEG	P#5	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P5_5_mica	1	2	0	0.356	48.557	0.3641	0	0.086	31.847	0.27	0
MOSTMEG	P#5	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P5_5_mica	2	2	0	0.396	50.176	0.3373	0	0.107	28.136	0.23	0
MOSTMEG	P#5	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P5_5_mica	3	2	0	0.367	50.308	0.3366	0	0.088	27.908	0.188	0
MOSTMEG	P#5	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P5_5_mica	4	2	0	0.25	49.468	0.3603	0	0.066	30.445	0.239	0
MOSTMEG	P#5	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P5_5_mica	5	2	0	0.397	49.09	0.3388	0	0.119	29.671	0.224	0
MOSTMEG	P#5	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P5_6_mica	1	2	0	0.294	44.473	6.5392	0	0.051	30.076	0.226	0
MOSTMEG	P#5	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P5_6_mica	2	2	0	0.12	49.89	3.2293	0	0.124	25.786	0.2	0
MOSTMEG	P#5	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P5_6_mica	3	2	0	0.224	50.048	0.3675	0	0.056	30.433	0.218	0
MOSTMEG	P#5	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P5_6_mica	5	2	0.057	0.237	47.508	1.6626	0	0.072	33.815	0.189	0
MOSTMEG	R#1	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R#1_2_micas	1	2	0	0.255	47.269	2.0496	0	0.078	36.353	0.148	0
MOSTMEG	R#1	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R#1_2_micas	2	2	0.021	0.365	47.209	0	0	0.107	36.456	0.227	0
MOSTMEG	R#1	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R#1_2_micas	3	2	0	0.142	47.881	0.365	0	0.069	33.132	0.16	0
MOSTMEG	R#1	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R#1_2_micas	4	2	0	0.123	48.275	1.626	0	0.073	34.734	0.149	0

Reference	Sample	Country	Location1	Type	id	id2	id3	Group	Point	Tol	SnO2	TiO2	SiO2	Fe2O3	Mn2O3	Cr2O3	Al2O3	BaO	ZnO
MOSTMEG	R#1	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R#1_3_micas	1	2	0.026	0.106	48.015	1.0119	0	0.05	37.402	0.179	0
MOSTMEG	R#1	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R#1_3_micas	2	2	0	0.124	48.373	1.0016	0	0.054	37.723	0.136	0
MOSTMEG	R#1	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R#1_3_micas	3	2	0	0.199	49.399	2.7295	0.0067	0.1	31	0.116	0
MOSTMEG	R#1	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R#1_4_micas	1	2	0	0.071	52.077	0.3697	0	0.051	28.887	0.299	0
MOSTMEG	R#1	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R#1_4_micas	3	2	0	0.142	47.784	0.5998	0	0.086	34.916	0.215	0
MOSTMEG	R#1	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R#1_5_micas	1	2	0	0.386	48.461	0.6115	0	0.056	35.885	0.292	0
MOSTMEG	R#1	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R#1_6_mica	1	2	0	0.069	48.895	0.4633	0	0.034	35.892	0.152	0
MOSTMEG	R#1	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R#1_6_mica	2	2	0	0.316	47.455	0	0	0.068	34.737	0.151	0
MOSTMEG	R#1	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R#1_6_mica	3	2	0	0.261	49.055	1.5775	0	0.085	32.996	0.174	0
MOSTMEG	R#1	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R#1_7_micas	1	2	0	0.133	49.237	3.478	0	0.096	30.226	0.093	0
MOSTMEG	R#1	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R#1_7_micas	2	2	0	0.22	51.07	2.7926	0	0.084	28.74	0.243	0
MOSTMEG	R#5	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R#5_1_micas	4	2	0	0.143	47.735	0.6871	0	0.095	34.184	0.168	0
MOSTMEG	R#5	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R#5_2_micas	1	2	0	0.034	50.556	1.4623	0	0.04	32.429	0.101	0
MOSTMEG	R#5	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R#5_2_micas	2	2	0	0.066	51.158	1.474	0	0.044	32.635	0.074	0
MOSTMEG	R#5	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R#5_2_micas	3	2	0	0.203	47.998	1.1603	0	0.086	34.897	0.232	0
MOSTMEG	R#5	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R#5_2_micas	4	2	0.041	0.373	47.763	1.0299	0	0.049	35.133	0.379	0
MOSTMEG	R#5	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R#5_3_micas	1	2	0	0.268	49.07	0.362	0	0.074	32.036	0.143	0
MOSTMEG	R#5	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R#5_3_micas	2	2	0	0.299	49.553	0.4101	0	0.079	31.986	0.153	0
MOSTMEG	R#5	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R#5_3_micas	3	2	0	0.085	50.648	1.688	0	0.089	31.502	0.15	0
MOSTMEG	R#5	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R#5_3_micas	4	2	0.009	0.444	48.837	2.7317	0.0434	0.099	31.731	0.226	0
MOSTMEG	R#5	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R#5_3_micas	5	2	0.056	0.398	49.081	2.8039	0	0.095	31.999	0.214	0
MOSTMEG	R#5	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R#5_4_micas	1	2	0	0.196	48.908	1.2948	0	0.106	36.84	0.221	0
MOSTMEG	R#5	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R#5_4_micas	2	2	0	0.214	49.132	1.2127	0	0.092	36.844	0.171	0
MOSTMEG	R#5	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R#5_5_micas	1	2	0	0.299	52.321	2.6457	0	0.099	30.754	0.191	0
MOSTMEG	R#5	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R#5_5_micas	2	2	0	0.229	52.391	2.9729	0.0356	0.074	30.727	0.053	0
MOSTMEG	R#5	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R#5_5_micas	3	2	0	0.433	47.562	0	0	0.038	35.864	0.261	0
MOSTMEG	R#5	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R#5_6_micas	1	2	0.007	0.185	50.05	2.4971	0	0.048	32.605	0.13	0
MOSTMEG	R#5	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R#5_6_micas	2	2	0	0.167	49.71	2.7039	0.0089	0.122	30.285	0.131	0
MOSTMEG	R#13	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R13_1_mica	1	2	0	0.244	47.973	0.9838	0	0.089	35.001	0.21	0
MOSTMEG	R#13	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R13_1_mica	2	2	0	0.407	47.843	2.5305	0.0356	0.047	32.889	0.216	0
MOSTMEG	R#13	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R13_1_mica	3	2	0	0.368	47.009	1.3791	0	0.104	31.297	0.194	0
MOSTMEG	R#13	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R13_2_mica	1	2	0	0.36	50.69	1.4469	0	0.065	28.303	0.205	0
MOSTMEG	R#13	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R13_2_mica	2	2	0	0.208	49.036	0	0	0.14	32.141	0.205	0
MOSTMEG	R#13	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R13_2_mica	3	2	0	0.191	48.505	1.1765	0	0.107	34.354	0.159	0
MOSTMEG	R#13	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R13_2_mica	4	2	0	0.34	51.519	1.5344	0	0.086	31.554	0.138	0
MOSTMEG	R#13	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R13_2_mica	5	2	0	0.261	49.531	2.1111	0	0.053	32.201	0.24	0
MOSTMEG	R#13	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R13_3_mica	1	2	0	0.321	54.43	1.6986	0	0.092	30.49	0.135	0
MOSTMEG	R#13	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R13_3_mica	2	2	0	0.29	48.273	0	0	0.03	33.114	0.131	0
MOSTMEG	R#13	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R13_3_mica	3	2	0	0.355	47.493	0	0	0.071	33.839	0.243	0
MOSTMEG	R#13	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R13_4_mica	1	2	0	0.23	49.117	2.3483	0.0267	0.081	33.919	0.129	0
MOSTMEG	R#13	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R13_5_mica	2	2	0	0.21	47.507	0.3707	0	0.045	33.666	0.187	0
MOSTMEG	R#13	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R13_5_mica	3	2	0	0.213	47.978	1.9371	0	0.062	33.609	0.158	0
MOSTMEG	R#13	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R13_6_mica	1	2	0	0.22	48.582	0.3673	0	0.094	32.792	0.105	0
MOSTMEG	R#13	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R13_6_mica	2	2	0	0.063	47.462	0.3563	0	0.083	33.433	0.121	0
MOSTMEG	R#13	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R13_6_mica	3	2	0	0.153	48.168	0.6135	0	0.081	34.321	0.122	0
MOSTMEG	R#13	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R13_7_mica	1	2	0	0.335	48.609	2.0177	0	0.106	33.225	0.198	0
MOSTMEG	R#13	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R13_7_mica	2	2	0	0.261	56.777	0.3529	0	0.073	21.46	0.194	0
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_10_mica	1	2	0	0.488	47.436	0.9018	0	0.107	36.813	0.075	0
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_10_mica	2	2	0.025	0.341	46.926	0	0	0.115	35.701	0.135	0

Reference	Sample	Country	Location1	Type	id	id2	id3	Group	Point	Tol	SnO2	TiO2	SiO2	Fe2O3	Mn2O3	Cr2O3	Al2O3	BaO	ZnO
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_10_mica	3	2	0	0.288	47.039	0	0	0.058	35.998	0.133	0
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_10_mica	4	2	0	0.287	47.538	0	0	0.093	35.913	0.026	0
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_10_mica	5	2	0	0.5	46.855	0	0	0.042	35.765	0.172	0
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_10_plag	4	2	0	0.161	55.243	5.1266	0	0	19.501	0	0
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_11_bt	1	2	0	2.271	33.54	6.9794	0	0.271	19.122	0.06	0
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_11_mica	1	2	0	0.08	46.714	0.1998	0	0.071	36.019	0.175	0
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_11_mica	2	2	0	0.243	46.666	0	0	0.039	36.142	0.332	0
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_11_mica	3	2	0.016	0.279	47.095	0	0	0.063	35.877	0.131	0
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_11_mica	4	2	0	0.265	47.217	0	0	0.026	35.762	0.086	0
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_11_mica	5	2	0.082	0.154	46.553	0.065	0	0.056	35.56	0.115	0
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_12_mica	1	2	0	0.11	47.774	4.5187	0.0089	0.032	31.988	0.189	0
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_12_mica	2	2	0.003	0.11	47.766	3.8264	0.0467	0.044	31.851	0.169	0
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_12_mica	3	2	0	0.132	47.409	0	0	0.067	32.272	0.132	0
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_12_mica	4	2	0	0.082	47.309	0	0	0.051	32.217	0.181	0
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_12_mica	5	2	0.007	0.112	47.278	3.144	0	0.062	31.929	0.189	0
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_1_bt	1	2	0	2.719	35.815	0	0	0.31	18.894	0.086	0
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_1_mica	1	2	0	0.399	47.249	0.8864	0	0.087	37.414	0.233	0
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_1_mica	2	2	0	0.091	49.151	1.7108	0	0.059	31.401	0.21	0
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_1_mica	4	2	0	0.499	46.719	0	0	0.061	35.962	0.201	0
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_1_mica	5	2	0.013	0.259	46.85	0	0	0.062	35.581	0.107	0
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_2_mica	1	2	0	0.353	47.451	0.6879	0	0.086	36.984	0.184	0
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_2_mica	2	2	0	0.264	47.494	0	0	0.027	35.874	0.201	0
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_2_mica	3	2	0	0.177	47.291	0	0	0.049	36.088	0.219	0
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_2_mica	4	2	0	0.248	47.609	0	0	0.056	35.887	0.201	0
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_2_mica	5	2	0	0.235	47.469	0	0	0.051	35.623	0.125	0
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_2_mica	6	2	0	0.415	46.035	0	0	0.018	36.576	0.298	0
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_2_mica	7	2	0	0.47	46.263	0	0	0.07	36.223	0.342	0
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_3_mica	1	2	0	0.13	47.532	3.4552	0	0.011	32.159	0.383	0
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_3_mica	2	2	0	0.166	48.12	0	0	0.038	31.932	0.205	0
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_3_mica	3	2	0	0.143	46.564	0	0	0	31.358	0.267	0
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_3_mica	4	2	0	0.181	48.021	0	0	0.074	32.263	0.386	0
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_3_mica	5	2	0	0.193	47.125	0	0	0.078	32.672	0.315	0
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_3_mica	6	2	0	0.307	47.144	0	0	0.085	35.701	0.103	0
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_3_mica	7	2	0	0.429	47.255	0	0	0.097	35.367	0.184	0
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_3_mica	8	2	0	0.308	47.399	0	0	0.121	35.825	0.11	0
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_4_bt	1	2	0	2.494	34.72	7.751	0	0.375	19.225	0.085	0
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_4_bt	2	2	0	2.888	32.44	6.5109	0	0.345	18.829	0.064	0
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_4_mica	2	2	0	0.213	46.366	0	0	0.056	36.185	0.569	0
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_4_mica	3	2	0	0.075	48.92	2.7847	0	0.042	31.226	0.236	0
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_4_mica	4	2	0	0.193	46.836	0	0	0.022	36.054	0.384	0
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_4_mica	5	2	0	0.53	46.983	0.2976	0	0.083	34.512	0.361	0
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_5_bt	1	2	0	2.017	34.132	7.3664	0	0.335	19.49	0.082	0
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_5_bt	3	2	0	1.979	35.496	7.9417	0	0.302	19.244	0.053	0
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_5_mica	1	2	0	0.064	46.903	0.4339	0	0.056	36.64	0.038	0
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_5_mica	2	2	0	0.15	49.246	0	0	0.063	31.94	0.193	0
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_5_mica	3	2	0	0.089	48.379	0	0	0.086	31.475	0.155	0
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_5_mica	5	2	0	0.138	46.639	0	0	0.049	31.966	0.168	0
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_6_bt	4	2	0	2.485	33.191	6.6163	0	0.273	18.703	0.113	0
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_6_bt	5	2	0	2.751	32.981	6.9987	0	0.234	19.515	0.047	0

Reference	Sample	Country	Location1	Type	id	id2	id3	Group	Point	Tol	SnO2	TiO2	SiO2	Fe2O3	Mn2O3	Cr2O3	Al2O3	BaO	ZnO
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_6_mica	1	2	0	0.236	47.249	0	0	0.055	36.612	0.077	0
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_6_mica	2	2	0	0.131	57.431	0.3023	0	0.075	24.845	0.137	0
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_6_mica	3	2	0.013	0.141	47.867	0	0	0.086	32.284	0.188	0
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_6_mica	7	2	0	0.128	46.681	0.1688	0	0.043	35.72	0.145	0
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_6_mica	8	2	0	0.089	46.413	0.1019	0	0.078	36.181	0.165	0
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_6_mica	9	2	0	0.296	47.357	0	0	0.049	35.458	0.132	0
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_7_bt	1	2	0	2.969	34.273	7.23	0	0.227	18.935	0.047	0
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_7_mica	1	2	0	0.139	48.854	2.2369	0	0.034	32.934	0.223	0
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_7_mica	2	2	0	0.222	48.257	0	0	0.056	32.503	0.178	0
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_7_mica	3	2	0.086	0.128	47.029	0	0	0.094	32.212	0.168	0
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_7_mica	4	2	0	0.118	47.754	0	0	0.074	31.882	0.216	0
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_7_mica	5	2	0	0.099	62.27	1.936	0.0434	0.042	22.171	0.083	0
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_8_bt	2	2	0	2.739	34.058	6.952	0	0.354	18.946	0.013	0
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_8_mica	1	2	0	0.314	47.371	0.7613	0.0312	0.041	36.531	0.13	0
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_8_mica	2	2	0	0.469	46.123	0.4935	0	0.077	35.661	0.171	0
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_8_mica	3	2	0	0.342	46.498	0.1331	0	0.043	35.367	0.179	0
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_8_mica	4	2	0	0.327	46.298	0.3771	0	0.079	35.47	0.151	0
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_8_mica	5	2	0	0.27	46.823	0.2341	0	0.064	34.536	0.135	0
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_9_mica	1	2	0	0.425	46.439	0.878	0.0018	0.028	37.304	0.324	0
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_9_mica	2	2	0	0.348	46.866	0	0	0.058	36.533	0.178	0
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_9_mica	3	2	0	0.197	42.654	6.5625	0	0.063	32.741	0.145	0
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_9_mica	4	2	0	0.141	48.493	3.0284	0	0.039	31.8	0.198	0
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_9_mica	6	2	0	0.152	48.16	3.8442	0.0211	0.064	31.406	0.228	0
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_9_mica	7	2	0	0.151	48.167	0	0	0.09	32.393	0.239	0

Reference	Sample	Country	Location1	Type	id	id2	id3	Group	Point	FeO	MnO	CaO	MgO	Cs2O	Rb2O	K2O	Na2O	Li2O	Cl
MOSTMEG	MT#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#12_1_micas	1	0	0	0.003	1.553	0	0	9.005	0.262	0	0
MOSTMEG	MT#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#12_1_micas	2	0.2844	0.037	0.008	2.056	0	0	9.186	0.115	0.0979	0.001
MOSTMEG	MT#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#12_1_micas	3	0.2984	0	0.018	2.024	0	0	8.663	0.078	0.0827	0.02
MOSTMEG	MT#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#12_1_micas	4	0.6905	0.011	0.045	1.241	0	0	9.961	0.346	1.6985	0.011
MOSTMEG	MT#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#12_1_micas	5	2.2088	0	0.06	2.156	0	0	9.785	0.149	1.2946	0
MOSTMEG	MT#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#12_2_micas	1	0.3423	0.007	0.009	1.307	0	0	9.867	0.295	0.1182	0.004
MOSTMEG	MT#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#12_2_micas	2	0.3412	0	0.022	1.325	0	0	9.556	0.234	0.1111	0.007
MOSTMEG	MT#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#12_2_micas	3	1.1077	0.04	0.011	2.898	0	0	10.209	0.08	0.3953	0.008
MOSTMEG	MT#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#12_2_micas	4	0	0	0	2.972	0.002	0	9.751	0.069	0.1601	0.02
MOSTMEG	MT#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#12_3_micas	1	0.3155	0.016	0.071	1.61	0	0	9.039	0.184	0.104	0.005
MOSTMEG	MT#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#12_3_micas	2	0.3019	0.011	0.047	1.568	0	0	8.674	0.159	0.0906	0
MOSTMEG	MT#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#12_3_micas	3	1.737	0	0.01	1.598	0	0	9.586	0.457	1.1045	0
MOSTMEG	MT#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#12_6_micas	1	0.2785	0	0.003	0.7	0	0	8.56	0.302	0.2557	0
MOSTMEG	MT#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#12_6_micas	2	0.2643	0.004	0.026	0.678	0	0	8.099	0.315	0.2506	0
MOSTMEG	MT#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#12_7_micas	1	0	0	0.016	1.889	0	0	7.147	0.225	0.1209	0.002
MOSTMEG	MT#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#12_7_micas	2	1.6156	0.032	0.008	1.918	0	0	6.602	0.219	0.9458	0.002
MOSTMEG	MT#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#12_8_micas	1	2.6354	0.038	0.008	2.062	0	0	8.272	0.091	1.3391	0.016
MOSTMEG	MT#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#12_8_micas	2	2.6306	0.028	0.014	2.708	0	0	10.229	0.128	1.206	0.01
MOSTMEG	MT#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#12_8_micas	3	1.4305	0.041	0.021	1.457	0	0	9.293	0.287	1.7322	0.005
MOSTMEG	MT#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#12_9_micas	1	0	0	0.004	3.325	0	0	8.506	0.086	0.1661	0.006
MOSTMEG	MT#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#12_9_micas	2	0	0	0.012	1.633	0	0	9.882	0.179	0.129	0.014
MOSTMEG	MT#1	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#1_1_micas	1	2.0871	0.05	0.057	2.215	0	0	6.616	0.061	0.9636	0.008
MOSTMEG	MT#1	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#1_1_micas	2	0	0	0.079	1.322	0	0	9.479	0.205	0.0737	0.016
MOSTMEG	MT#1	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#1_1_micas	3	2.8643	0	0.162	1.474	0	0	7.461	0.21	1.265	0
MOSTMEG	MT#1	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#1_3_micas	1	0.224	0.025	0.006	1.303	0	0	9.457	0.202	0.0578	0
MOSTMEG	MT#1	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#1_3_micas	2	2.24	0	0.01	1.893	0	0	10.164	0.208	0	0.001
MOSTMEG	MT#1	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#1_3_micas	3	2.348	0	0	1.905	0	0	10.448	0.298	0	0
MOSTMEG	MT#1	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#1_3_micas	4	0	0	0.033	1.36	0	0	9.593	0.364	0	0.009
MOSTMEG	MT#1	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#1_4_micas	1	2.0615	0.047	0.102	3.008	0	0	7.423	0.08	0.6623	0.018
MOSTMEG	MT#1	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#1_5_micas	1	2.005	0	0.1	1.844	0	0	7.373	0.091	1.4145	0.024
MOSTMEG	MT#1	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#1_5_micas	2	1.533	0	0.004	0.941	0	0	9.173	1.058	0	0
MOSTMEG	MT#1	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#1_5_micas	3	0	0	0	0.779	0	0	10.144	0.257	0.1752	0.021
MOSTMEG	MT#1	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#1_5_micas	4	3.264	0	0.026	2.445	0	0	10.297	0.098	0	0.015
MOSTMEG	MT#9	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#9_1_micas	1	0	0	0	1.256	0	0	6.816	0.092	0.0636	0.011
MOSTMEG	MT#9	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#9_1_micas	2	0	0	0.005	1.247	0	0	6.445	0.11	0.2781	0
MOSTMEG	MT#9	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#9_2_micas	1	1.0568	0	0.017	1.229	0	0	6.986	0.17	0.8013	0
MOSTMEG	MT#9	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#9_3_micas	1	0.1817	0.048	0.015	1.288	0	0	8.511	0.137	0.0479	0
MOSTMEG	MT#9	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#9_3_micas	2	0.4888	0.041	0.047	1.158	0	0	9.36	0.154	0.2172	0.002
MOSTMEG	MT#9	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#9_4_micas	1	1.6579	0	0.052	1.72	0	0	5.95	0.064	1.0127	0.001
MOSTMEG	MT#9	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#9_5_micas	1	3.0131	0.036	0.032	2.384	0	0	6.361	0.033	1.4331	0
MOSTMEG	MT#9	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#9_5_micas	2	2.2496	0	0.026	2.414	0	0	5.845	0.067	0.4678	0.011
MOSTMEG	MT#9	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#9_6_micas	1	0.2638	0	0.045	1.421	0	0	8.142	0.119	0.0621	0
MOSTMEG	MT#9	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#9_6_micas	2	0	0	0.044	1.017	0	0	9.817	0.143	0.0614	0
MOSTMEG	MT#9	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#9_7_micas	1	0.309	0	0	1.048	0	0	7.891	0.135	0.2554	0
MOSTMEG	MT#9	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#9_8_micas	1	2.2278	0.025	0.025	2.076	0	0	6.556	0.08	1.0018	0.004
MOSTMEG	MT#9	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#9_8_micas	2	2.1752	0.053	0.013	2.114	0	0	6.133	0.046	0.9887	0
MOSTMEG	MT#9	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#9_9_micas	1	0	0	0.03	1.055	0	0	7.226	0.072	0.5129	0
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_1_mica	1	0.0997	0	0.035	0.788	0	0	8.706	0.681	0.2853	0.02
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_1_mica	2	0.6729	0	0.022	0.582	0	0	8.924	1.336	0.7692	0.005

Reference	Sample	Country	Location1	Type	id	id2	id3	Group	Point	FeO	MnO	CaO	MgO	Cs2O	Rb2O	K2O	Na2O	Li2O	Cl
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_1_mica	3	0.794	0.021	0.041	0.635	0	0	9.029	0.978	0	0
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_1_mica	4	0.882	0.022	0.007	0.765	0	0	9.246	0.856	0	0.008
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_1_mica	5	0.584	0	0.03	0.47	0	0	9.018	1.192	0.4864	0.001
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_2_mica	1	0.1261	0	0.008	0.925	0	0	8.808	0.785	0.2248	0.005
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_2_mica	2	0	0	0.014	1.042	0	0	9.372	0.971	0.4083	0
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_2_mica	3	1.0406	0	0.013	0.644	0	0	9.184	1.126	1.4045	0
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_2_mica	4	0.7526	0.008	0.043	0.875	0	0	9.112	0.893	0.7053	0.01
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_2_mica	5	0.5383	0.047	0.017	0.699	0	0	9.105	1.056	0.436	0
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_3_mica	1	0.7452	0	0.121	0.639	0	0	8.337	0.916	1.1605	0.007
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_3_mica	2	0.7446	0	0.033	0.874	0	0	9.134	0.825	2.0694	0.017
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_3_mica	3	0	0	0.13	0.759	0	0	8.976	0.886	2.3647	0
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_3_mica	4	0.5981	0	0.012	1.105	0	0	8.769	0.843	0.4587	0.006
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_3_mica	5	0.7205	0.004	0.034	0.758	0	0	9.007	0.992	0.8388	0
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_3_mica	6	1.9064	0	0.068	0.7	0	0	8.879	0.996	0.7356	0.005
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_4_mica	1	0.5726	0	0.024	0.616	0	0	9.17	0.907	0.6981	0
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_4_mica	2	1.326	0.011	0.389	0.813	0	0	9.19	0.91	0	0.002
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_4_mica	3	0.7549	0.019	0.027	0.877	0	0	9.259	0.956	1.4096	0.001
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_5_mica	1	0.2447	0.017	0.067	1.116	0	0	8.597	0.611	0.2204	0.005
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_5_mica	2	0.8635	0	0.105	0.854	0	0	9.094	0.854	0.9754	0
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_5_mica	3	0.5762	0	0.101	0.815	0	0	9.073	0.955	0.6557	0.009
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_5_mica	4	0.725	0	0.014	0.51	0	0	9.309	1.125	0	0
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_5_mica	5	1.645	0	0	1.103	0	0	9.125	0.94	0	0
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_5_mica	6	1.012	0.007	0.053	0.877	0	0	9.137	0.965	0	0
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_6_bt	2	15.8582	0.204	0.022	9.397	0	0	6.661	0.044	0	0.013
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_6_mica	1	0.1947	0.019	0.001	1.073	0	0	9.179	0.588	0.2142	0.004
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_6_mica	2	0.2163	0.018	0.009	1.308	0	0	9.203	0.61	0.202	0.001
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_6_mica	3	0.4638	0.023	0.026	1.289	0	0	9.064	0.626	0.1901	0.004
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_6_mica	4	0.2639	0.007	0.007	1.108	0	0	9.269	0.69	0.0687	0
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_6_mica	5	0	0	0	1.553	0	0	9.03	0.745	0.1152	0
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_6_mica	6	0.8741	0.008	0	0.969	0	0	9.267	0.895	0.724	0.001
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_7_mica	1	0.0938	0	0.012	0.872	0	0	9.181	0.831	0.2163	0.003
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_7_mica	2	0.921	0	0	0.953	0	0	9.311	0.907	0	0.008
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_7_mica	3	1.035	0	0	0.983	0	0	9.36	0.9	0	0
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_7_mica	4	1.589	0	0	1.183	0	0	9.252	0.91	0	0.003
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_7_mica	5	1.165	0	0.018	1.094	0	0	9.214	0.948	0	0
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_8_mica	1	0.4086	0.041	0.048	0.529	0	0	8.359	0.946	0.1741	0.001
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_8_mica	2	0.5974	0	0.022	0.531	0	0	8.74	1.226	0.52	0
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_8_mica	3	0.6315	0	0.026	0.572	0	0	8.971	1.069	1.2939	0
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_8_mica	4	0	0	0.041	0.604	0	0	8.243	0.946	0.4789	0.015
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_8_mica	5	0.5938	0	0.003	0.517	0	0	9.129	1.172	0.3915	0
MOSTMEG	MT#11	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT11_11_bt	1	12.1359	0.071	0.045	8.648	0	0	8.126	0.269	0.0702	0.01
MOSTMEG	MT#11	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT11_11_bt	2	12.2884	0.043	0.029	8.411	0	0	7.991	0.129	0.8534	0.01
MOSTMEG	MT#11	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT11_11_bt	3	12.2502	0.025	0.116	8.163	0	0	7.904	0.303	1.4828	0
MOSTMEG	MT#11	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT11_11_bt	4	12.9408	0.046	0.042	8.534	0	0	7.438	0.181	0.6275	0.015
MOSTMEG	MT#11	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT11_11_bt	5	11.6725	0.069	0.014	8.274	0	0	7.915	0.268	0.4249	0.007
MOSTMEG	MT#11	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT11_11_bt	6	11.5668	0.049	0.041	8.122	0.05	0	8.428	0.145	0.1839	0.011
MOSTMEG	MT#11	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT11_11_bt	7	13.124	0.056	0.05	8.311	0	0	8.467	0.118	0.0172	0.009
MOSTMEG	MT#11	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT11_11_bt	8	11.8123	0.079	0.04	8.337	0	0	8.308	0.249	0.3782	0.016
MOSTMEG	MT#11	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT11_11_bt	9	13.706	0.058	0.032	8.438	0	0	7.156	0.094	0	0.015

Reference	Sample	Country	Location1	Type	id	id2	id3	Group	Point	FeO	MnO	CaO	MgO	Cs2O	Rb2O	K2O	Na2O	Li2O	Cl
MOSTMEG	MT#11	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT11_11_bt	10	11.7313	0.064	0.035	8.328	0	0	8.324	0.242	0.6799	0.009
MOSTMEG	MT#11	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT11_11_mica	1	0	0	0.034	4.192	0	0	8.182	0.223	1.081	0.001
MOSTMEG	MT#11	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT11_11_mica	2	2.021	0	0	4.298	0	0	8.403	0.221	0.5075	0.007
MOSTMEG	MT#11	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT11_11_mica	3	2.5398	0.042	0.008	3.858	0.031	0	8.408	0.196	0.882	0
MOSTMEG	MT#11	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT11_11_mica	4	0.1011	0.043	0.014	3.826	0.038	0	8.236	0.17	0.2396	0
MOSTMEG	MT#11	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT11_11_mica	5	2.6485	0.02	0.02	3.222	0.004	0	8.293	0.175	0.9545	0.018
MOSTMEG	MT#11	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT11_11_mica	6	2.3068	0	0.012	3.503	0.017	0	8.61	0.188	0.6674	0
MOSTMEG	MT#11	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT11_11_mica	7	0.4821	0.082	0.015	4.284	0	0	7.974	0.185	1.4846	0.003
MOSTMEG	MT#11	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT11_12_bt	1	14.2012	0.015	0	8.121	0	0	8.163	0.13	0.6514	0
MOSTMEG	MT#11	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT11_12_bt	2	16.1505	0.066	0.016	9.241	0	0	6.017	0.068	0	0.001
MOSTMEG	MT#11	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT11_12_bt	3	14.3156	0.073	0.03	8.081	0	0	8.14	0.143	0.4651	0.008
MOSTMEG	MT#11	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT11_1_bt	1	14.8368	0.065	0.055	8.368	0	0	7.792	0.113	0.9727	0.007
MOSTMEG	MT#11	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT11_1_bt	2	14.7929	0.099	0.034	8.307	0	0	7.818	0.119	1.0256	0.022
MOSTMEG	MT#11	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT11_1_bt	3	15.7956	0.088	0	8.231	0	0	7.562	0.094	0	0.024
MOSTMEG	MT#11	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT11_1_bt	4	15.9641	0.044	0	8.121	0	0	8.248	0.198	0.0358	0.002
MOSTMEG	MT#11	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT11_1_bt	5	14.0272	0.085	0.059	8.238	0	0	8.035	0.133	0.6034	0.004
MOSTMEG	MT#11	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT11_1_bt	6	14.234	0.052	0.041	8.195	0	0	7.979	0.139	0.6902	0
MOSTMEG	MT#11	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT11_1_bt	7	14.2279	0.04	0.074	7.914	0	0	8.286	0.222	0.9294	0.006
MOSTMEG	MT#11	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT11_1_mica	1	0.6545	0.031	0.036	4.08	0	0	7.516	0.174	0.2058	0.012
MOSTMEG	MT#11	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT11_1_mica	2	0.127	0.039	0.008	4.219	0.028	0	8.481	0.212	0.2859	0
MOSTMEG	MT#11	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT11_1_mica	3	4.3836	0.042	0.038	5.284	0	0	7.43	0.194	1.1521	0
MOSTMEG	MT#11	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT11_2_bt	2	15.4624	0.095	0.012	9.108	0	0	6.866	0.13	0	0
MOSTMEG	MT#11	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT11_2_bt	3	17.9819	0.054	0	8.512	0	0	6.815	0.123	0.0461	0
MOSTMEG	MT#11	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT11_2_bt	4	15.358	0.076	0	8.245	0	0	8.483	0.14	0.0532	0.004
MOSTMEG	MT#11	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT11_2_bt	5	13.3042	0.067	0.008	8.332	0	0	8.246	0.143	0.0965	0.011
MOSTMEG	MT#11	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT11_2_bt	6	15.9165	0.027	0.011	8.152	0	0	8.096	0.16	0.0432	0
MOSTMEG	MT#11	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT11_2_bt	7	14.5841	0.093	0.036	8.062	0	0	8.236	0.178	0.0276	0.012
MOSTMEG	MT#11	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT11_2_bt	8	15.8489	0.054	0.024	8.421	0	0	7.942	0.145	0.0319	0.011
MOSTMEG	MT#11	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT11_2_chl	3	1.4629	0.08	0.038	4.914	0	0	6.077	0.35	1.0992	0
MOSTMEG	MT#11	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT11_3_bt	1	14.8554	0	0	7.638	0	0	8.293	0.258	0.067	0.01
MOSTMEG	MT#11	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT11_3_bt	2	15.3101	0.005	0.019	7.678	0	0	8.247	0.312	0.0074	0.005
MOSTMEG	MT#11	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT11_3_bt	3	13.9601	0.02	0.019	7.697	0	0	7.941	0.211	0.4881	0.006
MOSTMEG	MT#11	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT11_3_chl	2	6.5614	0.083	0.022	5.259	0.036	0	6.652	0.321	2.3695	0
MOSTMEG	MT#11	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT11_4_bt	1	14.0868	0.09	0.001	8.037	0	0	8.322	0.183	0.048	0.002
MOSTMEG	MT#11	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT11_4_bt	2	16.058	0.029	0.006	7.911	0	0	8.353	0.222	0.0294	0
MOSTMEG	MT#11	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT11_4_bt	3	14.4504	0.109	0.031	7.862	0	0	8.274	0.248	0.071	0.011
MOSTMEG	MT#11	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT11_4_bt	4	14.8488	0.047	0	7.9	0	0	8.133	0.136	0.1537	0.004
MOSTMEG	MT#11	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT11_4_bt	5	14.4606	0.13	0	7.667	0	0	8.258	0.121	0.0435	0.008
MOSTMEG	MT#11	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT11_4_mica	1	0	0	0.004	4.663	0.014	0	7.622	0.228	0.1361	0.015
MOSTMEG	MT#11	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT11_4_mica	3	2.5308	0.012	0	4.151	0	0	8.341	0.279	0.8939	0.032
MOSTMEG	MT#11	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT11_4_mica	4	6.0639	0.022	0	4.872	0	0	7.189	0.232	1.6555	0.008
MOSTMEG	MT#11	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT11_5_bt	2	15.6842	0.089	0.022	8.399	0	0	7.025	0.118	0	0.004
MOSTMEG	MT#11	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT11_5_bt	3	14.7423	0.156	0.037	8.091	0	0	7.259	0.075	0	0.014
MOSTMEG	MT#11	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT11_5_bt	4	15.245	0.074	0	8.478	0	0	7.056	0.064	0	0.014
MOSTMEG	MT#11	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT11_5_bt	5	14.7695	0.069	0	8.285	0	0	7.385	0.067	0	0.007
MOSTMEG	MT#11	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT11_5_mica	1	5.4576	0	0.059	5.299	0	0	5.999	0.232	1.5847	0.006
MOSTMEG	MT#11	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT11_5_mica	2	1.2202	0.008	0.031	2.882	0	0	8.001	0.597	1.2195	0
MOSTMEG	MT#11	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT11_5_mica	3	5.4242	0.015	0.04	5.174	0	0	6.523	0.408	1.9158	0.013
MOSTMEG	MT#11	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT11_5_mica	4	2.5135	0.033	0.017	3.675	0.024	0	8.091	0.2	1.4098	0.004

Reference	Sample	Country	Location1	Type	id	id2	id3	Group	Point	FeO	MnO	CaO	MgO	Cs2O	Rb2O	K2O	Na2O	Li2O	Cl
MOSTMEG	MT#11	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT11_5_mica	5	2.4542	0	0.024	3.663	0.014	0	8.671	0.187	1.75	0.032
MOSTMEG	MT#11	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT11_5_mica	6	2.5822	0.001	0.124	3.212	0.02	0	7.407	0.101	2.0353	0
MOSTMEG	MT#11	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT11_6_bt	1	15.1598	0.105	0	8.458	0	0	7.639	0.069	0.7156	0.003
MOSTMEG	MT#11	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT11_6_bt	2	16.1707	0.1	0.025	8.641	0	0	6.743	0.09	0	0.005
MOSTMEG	MT#11	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT11_6_bt	3	15.175	0.099	0.002	8.02	0	0	8.196	0.152	0.0333	0
MOSTMEG	MT#11	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT11_6_mica	1	2.0611	0.041	0.026	3.743	0	0	7.598	0.172	0.5387	0.01
MOSTMEG	MT#11	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT11_6_mica	2	1.421	0.015	0.049	3.522	0	0	7.434	0.183	1.153	0.006
MOSTMEG	MT#11	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT11_6_mica	3	1.5809	0.094	0.012	3.767	0.012	0	8.354	0.199	1.0667	0.001
MOSTMEG	MT#11	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT11_6_mica	4	1.6484	0.06	0.031	3.57	0.024	0	8.123	0.163	1.0616	0
MOSTMEG	MT#11	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT11_6_mica	5	2.9357	0.062	0.021	5.594	0	0	7.247	0.117	0.0692	0.023
MOSTMEG	P#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P#12_1_biotite	1	11.0331	0.105	0.151	9.383	0	0	7.624	0.004	0.7392	0
MOSTMEG	P#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P#12_1_biotite	2	10.6064	0.108	0.125	9.235	0	0	7.467	0.046	0.5703	0.01
MOSTMEG	P#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P#12_1_biotite	3	12.5268	0.075	0.091	8.741	0	0	7.923	0.028	0.7637	0.007
MOSTMEG	P#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P#12_1_moscovi	1	0.3079	0	0.036	0.945	0	0	8.676	0.189	0.2575	0.024
MOSTMEG	P#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P#12_1_moscovi	2	0.311	0	0.039	0.896	0	0	8.437	0.181	0.2581	0.008
MOSTMEG	P#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P#12_2_biotite	2	11.464	0.075	0.395	9.329	0	0	7.271	0.032	0	0.053
MOSTMEG	P#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P#12_2_moscovi	1	0.2624	0.028	0.026	1.431	0	0	7.725	0.169	0.0764	0.013
MOSTMEG	P#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P#12_2_moscovi	2	0	0	0.033	1.386	0	0	7.235	0.139	0.2423	0
MOSTMEG	P#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P#12_3_biotite	2	11.476	0.037	0.199	8.672	0	0	7.782	0.029	1.7997	0.03
MOSTMEG	P#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P#12_3_biotite	3	11.4523	0.064	0.233	8.55	0	0	7.796	0.046	1.892	0.027
MOSTMEG	P#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P#12_3_moscovi	1	0.3252	0.021	0.019	1.169	0	0	8.501	0.18	0.2761	0.011
MOSTMEG	P#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P#12_3_moscovi	2	1.952	0.026	0.023	1.57	0	0	10.108	0.314	0	0.006
MOSTMEG	P#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P#12_4_biotite	1	11.9804	0.072	0.148	9.161	0	0	7.362	0.033	0.6824	0.016
MOSTMEG	P#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P#12_4_biotite	2	12.1916	0.082	0.155	9.022	0	0	7.3	0.031	0.9632	0
MOSTMEG	P#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P#12_4_biotite	3	13.9539	0.029	0.101	8.944	0	0	7.639	0.019	1.2616	0.008
MOSTMEG	P#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P#12_4_moscovi	1	2.0549	0.008	0.02	2.399	0	0	6.403	0.107	1.4058	0.004
MOSTMEG	P#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P#12_4_moscovi	2	2.0603	0.04	0.017	2.369	0	0	5.966	0.125	1.5613	0
MOSTMEG	P#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P#12_5_biotite	1	11.3384	0.108	0.183	8.997	0	0	7.482	0	1.0818	0
MOSTMEG	P#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P#12_5_biotite	2	11.4717	0.102	0.172	9.03	0	0	7.311	0.018	1.1649	0.011
MOSTMEG	P#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P#12_5_moscovi	1	0.3142	0	0.006	1.769	0	0	8.39	0.18	0.0895	0
MOSTMEG	P#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P#12_5_moscovi	2	1.5079	0.018	0	1.739	0	0	7.868	0.143	0.8497	0.008
MOSTMEG	P#2	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P#2_1_micas	1	2.5299	0.009	0	1.754	0	0	7.313	0.135	1.3141	0
MOSTMEG	P#2	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P#2_1_micas	2	0	0	0.032	2.012	0	0	9.623	0.201	0.1709	0
MOSTMEG	P#2	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P#2_2_micas	1	2.2332	0.019	0.02	2.141	0	0	7.822	0.084	1.7605	0.014
MOSTMEG	P#2	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P#2_2_micas	2	2.8035	0.008	0.056	2.683	0	0	8.785	0.096	1.6371	0.007
MOSTMEG	P#2	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P#2_3_micas	1	0.7757	0.035	0.038	2.009	0	0	7.463	0.054	1.7974	0.03
MOSTMEG	P#2	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P#2_3_micas	2	1.0884	0	0.047	2.186	0	0	9.792	0.086	3.1831	0.064
MOSTMEG	P#2	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P#2_3_micas	3	0.2228	0.026	0.003	2.233	0	0	10.172	0.055	0.0576	0.017
MOSTMEG	P#2	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P#2_4_micas	1	0	0	0.129	2.476	0	0	5.833	2.405	0.2202	0.023
MOSTMEG	P#2	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P#2_4_micas	2	1.9733	0.018	0.017	1.432	0	0	10.226	0.189	1.4725	0.006
MOSTMEG	P#2	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P#2_5_micas	1	1.9761	0	0	1.983	0	0	7.472	0.122	3.475	0
MOSTMEG	P#2	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P#2_5_micas	2	0.3157	0	0.03	1.969	0	0	10.042	0.074	0.0957	0.004
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_1_bt	1	18.908	0.541	0.013	10.066	0	0	9.043	0.046	0	0
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_1_bt	2	13.9419	0.565	0.016	9.711	0	0	8.791	0	0.0021	0.015
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_1_bt	3	19.467	0.587	0	9.983	0	0	9.136	0.028	0	0.003
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_1_bt	4	14.0119	0.615	0.017	9.826	0	0	8.898	0.035	0.0574	0
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_1_bt	5	13.9085	0.59	0.02	10.368	0	0	8.496	0.024	0	0.001
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_1_bt	6	12.0087	0.534	0.043	9.376	0	0	8.517	0.02	0.0508	0.013
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_1_mica	1	0	0	0.037	2.232	0	0	9.262	0.073	0.0193	0.008

Reference	Sample	Country	Location1	Type	id	id2	id3	Group	Point	FeO	MnO	CaO	MgO	Cs2O	Rb2O	K2O	Na2O	Li2O	Cl
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_1_mica	2	2.279	0.036	0.046	1.678	0	0	10.874	0.095	0	0.018
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_1_mica	3	0	0	0.018	1.68	0	0	9.983	0.238	0.2147	0.005
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_1_mica	4	2.867	0.095	0.019	1.706	0	0	10.164	0.215	0	0
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_2_bt	1	18.791	0.545	0.079	9.971	0	0	9.045	0.016	0	0.001
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_2_bt	2	13.1138	0.472	0.013	9.909	0	0	8.816	0.012	0.0621	0.007
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_2_bt	3	13.2124	0.52	0.023	9.945	0	0	9.327	0.03	0.0525	0
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_2_bt	4	19.69	0.599	0.005	9.539	0	0	9.041	0.029	0	0
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_2_bt	5	12.3225	0.576	0.041	9.993	0	0	9.103	0.034	0.0514	0.005
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_2_mica	4	0	0	0.021	1.927	0	0	10.419	0.109	0.594	0.002
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_3_chl	2	13.7375	0.456	0.015	10.715	0	0	8.393	0.037	0	0
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_3_chl	3	12.4531	0.532	0.03	10.252	0	0	8.479	0.028	0	0
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_4_mica	1	0.1439	0	0.004	0.799	0	0	9.308	0.417	0.2203	0.009
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_4_mica	2	0.8114	0.007	0.136	1.334	0	0	9.555	1.039	0.8663	0.014
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_4_mica	4	0.958	0.011	0.009	0.741	0	0	10.308	0.736	0	0.013
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_4_mica	5	0.8082	0.052	0	1.125	0	0	10.079	0.612	1.3221	0.002
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_4_mica	6	0	0	0.017	1.962	0	0	10.464	0.14	0.7824	0.012
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_4_mica	7	3.432	0.115	0.035	1.917	0	0	10.742	0.187	0	0.007
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_4_mica	8	3.654	0.121	0.017	2.117	0	0	10.529	0.122	0	0
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_4_mica	9	2.543	0.046	0.038	1.443	0	0	10.623	0.147	0	0.002
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_4_mica	10	1.7544	0.359	0.042	4.977	0	0	7.078	0.055	0.8027	0.026
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_4_mica	11	5.305	0.165	0.048	2.621	0	0	10.429	0.063	0	0.007
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_4_mica	12	0.5392	0.029	0.03	0.727	0	0	9.73	0.588	0.5128	0
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_4_mica	13	0.7158	0	0.047	0.623	0	0	9.358	0.491	1.7324	0
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_4_mica	14	0.7634	0	0.056	0.701	0	0	8.986	0.549	1.0664	0
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_4_mica	15	0.916	0.024	0.032	0.848	0	0	9.347	0.942	0	0
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_4_mica	16	3.84	0.134	0.031	2.682	0	0	10.54	0.106	0	0
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_4_mica	17	2.843	0.08	0.042	1.866	0	0	10.868	0.095	0	0
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_4_mica	18	2.629	0.088	0.033	1.679	0	0	10.629	0.096	0	0
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_5_bt	1	11.4952	0.489	0.001	9.877	0	0	9.089	0.023	0.286	0.003
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_5_bt	2	11.697	0.546	0.011	9.791	0	0	8.815	0.042	0.5785	0.013
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_5_bt	3	12.0076	0.546	0.001	10.111	0	0	8.694	0.026	0.4183	0
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_5_bt	4	11.7951	0.506	0.02	9.846	0	0	9.261	0.016	0.2313	0.008
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_5_bt	5	12.7976	0.556	0.02	9.906	0	0	8.379	0.063	1.056	0.002
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_6_bt	1	19.252	0.571	0.061	9.833	0	0	9.15	0.006	0	0
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_6_bt	2	13.9921	0.496	0.039	9.829	0	0	8.834	0.021	0.0345	0
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_6_bt	3	11.7285	0.562	0.028	9.882	0	0	8.968	0.046	0.6046	0
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_6_bt	4	12.1037	0.512	0.026	10.004	0	0	8.876	0.017	0.2159	0.009
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_7_bt	1	12.874	0.476	0.03	9.598	0	0	8.167	0.021	0	0
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_7_bt	2	12.0882	0.539	0.021	9.71	0	0	8.884	0.033	1.1997	0
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_7_bt	3	12.5148	0.609	0.015	9.586	0	0	9.066	0.014	1.0483	0.003
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_7_mica	2	0.047	0.243	0.014	2.462	0	0	7.581	0.254	0.1922	0.003
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_8_mica	1	0	0	0.03	2.196	0	0	9.715	0.116	0.0925	0.009
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_8_mica	2	2.711	0.087	0.017	2.019	0	0	10.466	0.126	0	0
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_8_mica	3	0.2386	0.114	0.021	1.723	0	0	8.809	0.177	0.1005	0
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_8_mica	4	3.445	0.112	0.006	1.87	0	0	10.621	0.17	0	0.016
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_8_mica	5	1.15	0.043	0.01	1.35	0	0	10.255	0.56	0	0.007
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_8_mica	8	3.631	0.099	0.031	2.262	0	0	10.571	0.245	0	0
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_8_mica	10	1.256	0.064	0.031	1.347	0	0	10.264	0.459	0	0
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_8_mica	11	0.85	0.009	0.122	0.643	0	0	9.824	0.57	0	0.016

Reference	Sample	Country	Location1	Type	id	id2	id3	Group	Point	FeO	MnO	CaO	MgO	Cs2O	Rb2O	K2O	Na2O	Li2O	Cl
MOSTMEG	P#15	Portugal	CIZ	MP	BG_PT	R	RI	MOSTMEG_lvo-P15_1_mica	1	0	0	0.027	2.556	0	0	9.155	0.205	0.126	0.002
MOSTMEG	P#15	Portugal	CIZ	MP	BG_PT	R	RI	MOSTMEG_lvo-P15_1_mica	2	0	0	0.069	2.511	0	0	9.228	0.118	0.3724	0.007
MOSTMEG	P#15	Portugal	CIZ	MP	BG_PT	R	RI	MOSTMEG_lvo-P15_1_mica	3	2.7712	0.001	0.116	2.707	0	0	7.42	0.054	1.7292	0.004
MOSTMEG	P#15	Portugal	CIZ	MP	BG_PT	R	RI	MOSTMEG_lvo-P15_2_micas	1	1.4666	0.033	0.103	1.901	0	0	9.007	0.109	1.9147	0.008
MOSTMEG	P#15	Portugal	CIZ	MP	BG_PT	R	RI	MOSTMEG_lvo-P15_2_micas	2	1.8049	0.053	0.078	2.349	0	0	8.396	0.113	0.4978	0
MOSTMEG	P#15	Portugal	CIZ	MP	BG_PT	R	RI	MOSTMEG_lvo-P15_3_mica	1	0	0	0.108	1.738	0	0	7.858	0.22	0	0.005
MOSTMEG	P#15	Portugal	CIZ	MP	BG_PT	R	RI	MOSTMEG_lvo-P15_4_mica	1	0.2591	0.009	0.019	1.716	0	0	9.253	0.116	0.0662	0
MOSTMEG	P#15	Portugal	CIZ	MP	BG_PT	R	RI	MOSTMEG_lvo-P15_4_mica	2	0	0	0.041	2.668	0	0	9.376	0.113	0.2092	0
MOSTMEG	P#15	Portugal	CIZ	MP	BG_PT	R	RI	MOSTMEG_lvo-P15_5_mica	3	0.2821	0.028	0.039	2.68	0	0	7.543	0.097	0.2073	0
MOSTMEG	P#15	Portugal	CIZ	MP	BG_PT	R	RI	MOSTMEG_lvo-P15_5_mica	4	0	0	0.018	1.453	0	0	10.043	0.186	0.4558	0.002
MOSTMEG	P#15	Portugal	CIZ	MP	BG_PT	R	RI	MOSTMEG_lvo-P15_5_mica	5	1.9452	0.032	0.001	1.772	0	0	9.912	0.163	0.887	0.001
MOSTMEG	P#15	Portugal	CIZ	MP	BG_PT	R	RI	MOSTMEG_lvo-P15_5_mica	6	0	0	0.033	1.734	0	0	10.02	0.22	0.3524	0.005
MOSTMEG	P#15	Portugal	CIZ	MP	BG_PT	R	RI	MOSTMEG_lvo-P15_6_mica	1	2.5478	0	0.168	2.098	0	0	6.842	0.09	3.0532	0.013
MOSTMEG	P#15	Portugal	CIZ	MP	BG_PT	R	RI	MOSTMEG_lvo-P15_6_mica	2	1.862	0.016	0.195	3.013	0	0	7.09	0.129	2.3146	0.006
MOSTMEG	P#15	Portugal	CIZ	MP	BG_PT	R	RI	MOSTMEG_lvo-P15_6_mica	3	2.5595	0.059	0.208	4.322	0	0	5.354	0.428	3.3064	0.017
MOSTMEG	P#15	Portugal	CIZ	MP	BG_PT	R	RI	MOSTMEG_lvo-P15_6_mica	4	0	0	0.078	1.892	0	0	8.319	0.086	0.4106	0
MOSTMEG	P#15	Portugal	CIZ	MP	BG_PT	R	RI	MOSTMEG_lvo-P15_6_mica	5	0.9586	0.029	0.091	2.044	0	0	8.283	0.482	1.8982	0.019
MOSTMEG	P#15	Portugal	CIZ	MP	BG_PT	R	RI	MOSTMEG_lvo-P15_6_mica	6	1.8182	0	0.07	2.194	0	0	9.036	0.139	0.8079	0
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_1_mica	1	0.4539	0	0	1.695	0	0	9.689	0.231	0.1718	0
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_1_mica	2	2.717	0	0.004	1.667	0	0	10.246	0.237	0	0.008
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_1_mica	4	2.143	0.02	0.055	1.253	0	0	10.075	0.379	0	0
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_1_mica	5	1.9986	0	0.007	1.555	0	0	10.093	0.23	0.7408	0.003
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_1_mica	6	2.0589	0.021	0.024	1.572	0	0	9.787	0.235	1.2395	0.019
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_2_mica	1	0.2689	0	0.007	1.085	0	0	9.155	0.226	0.0662	0.004
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_2_mica	3	2.6605	0.024	0.02	1.571	0	0	9.768	0.192	1.1977	0.016
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_2_mica	4	2.5036	0	0.044	2.003	0	0	9.668	0.245	1.1579	0.014
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_2_mica	5	2.5876	0	0	2.107	0	0	9.614	0.248	1.0852	0
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_2_mica	7	2.853	0.047	0	1.744	0	0	10.28	0.225	0	0
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_2_mica	8	0.2491	0.019	0.012	0.643	0	0	7.966	0.22	0.0628	0
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_3_mica	1	0.3115	0	0	1.213	0	0	8.742	0.351	0.0919	0
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_3_mica	2	1.847	0	0.031	1.13	0	0	9.643	0.657	0	0
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_3_mica	3	1.7377	0	0.003	1.312	0	0	10.248	0.254	1.2163	0.014
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_3_mica	4	2.164	0.021	0.005	1.942	0	0	10.385	0.228	0	0.002
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_3_mica	5	0	0	0	1.536	0	0	9.987	0.193	0.2754	0.013
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_4_mica	1	1.4642	0.009	0.051	1.976	0	0	9.687	0.174	1.8571	0
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_4_mica	2	1.5013	0	0.109	1.976	0	0	9.621	0.231	3.3779	0.016
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_4_mica	3	2.5632	0.012	0.018	2.065	0	0	9.78	0.154	1.4482	0
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_4_mica	4	2.1444	0.002	0	1.716	0	0	10.178	0.229	0.7961	0
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_4_mica	5	1.3109	0.026	0	1.823	0	0	10.077	0.247	1.6763	0
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_4_mica	6	2.3833	0	0.006	1.796	0	0	10.09	0.209	0.9536	0.002
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_4_mica	7	2.3906	0.004	0.016	1.791	0	0	9.836	0.234	0.8704	0.002
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_4_mica	8	2.5353	0.008	0.015	1.737	0	0	9.553	0.195	1.1497	0.01
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_5_mica	1	0.3699	0.006	0	1.842	0	0	9.495	0.167	0.1252	0.016
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_5_mica	2	0	0	0	1.776	0	0	10.24	0.222	0.3436	0.016
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_5_mica	3	2.647	0	0.006	1.819	0	0	10.27	0.183	0	0.008
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_6_mica	1	0.4032	0	0.041	1.535	0	0	8.445	0.132	0.1405	0
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_6_mica	2	2.693	0.012	0.048	1.595	0	0	10.103	0.183	0	0.018
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_6_mica	3	2.471	0.048	0	1.617	0	0	10.13	0.183	0	0.001
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_7_mica	1	1.6546	0	0.031	0.814	0	0	9.426	0.423	1.1535	0.032

Reference	Sample	Country	Location1	Type	id	id2	id3	Group	Point	FeO	MnO	CaO	MgO	Cs2O	Rb2O	K2O	Na2O	Li2O	Cl
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_7_mica	2	2.172	0.018	0.061	1.397	0	0	9.723	0.235	1.6203	0.007
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_7_mica	3	1.896	0.049	0.01	0.502	0.011	0	9.888	0.789	0	0.008
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_7_mica	4	1.829	0	0.008	0.477	0	0	9.894	0.796	0	0
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_7_mica	5	1.4063	0.031	0.008	0.43	0	0	9.838	0.818	0.8552	0.01
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_8_mica	1	1.824	0	0.015	1.196	0	0	10.204	0.432	0	0.024
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_8_mica	2	1.767	0.041	0.002	1.158	0	0	10.684	0.521	0	0.011
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_8_mica	3	1.864	0	0.02	1.155	0	0	10.729	0.495	0	0.029
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_8_mica	4	3.335	0.047	0	1.735	0	0	10.658	0.423	0	0
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_8_mica	5	2.636	0.035	0.017	1.471	0	0	10.728	0.266	0	0
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_8_mica	6	2.108	0.015	0	1.297	0	0	10.674	0.376	0	0.012
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_9_mica	1	0	0	0.001	0.627	0	0	9.35	0.291	0.1159	0
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_9_mica	2	1.506	0.006	0.05	0.526	0	0	10.461	0.408	0	0
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_9_mica	3	1.621	0.038	0.016	0.536	0	0	10.305	0.431	0	0
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_9_mica	4	1.89	0.016	0.025	0.685	0	0	10.154	0.413	0	0
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_9_mica	5	1.906	0	0.015	0.663	0	0	10.448	0.45	0	0
MOSTMEG	P#5	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P5_1_mica	1	2.0731	0	0.024	1.305	0	0	8.755	0.394	1.3633	0.008
MOSTMEG	P#5	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P5_1_mica	2	1.8154	0	0.004	1.295	0	0	10.347	0.246	1.6902	0.002
MOSTMEG	P#5	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P5_1_mica	3	2.7011	0	0.031	2.548	0	0	10.254	0.149	1.5347	0
MOSTMEG	P#5	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P5_1_mica	4	1.6585	0	0.002	1.355	0	0	10.183	0.252	0.8876	0.019
MOSTMEG	P#5	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P5_1_mica	5	1.9043	0.007	0.014	2.402	0	0	10.008	0.195	0.8102	0.003
MOSTMEG	P#5	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P5_1_mica	6	1.6863	0.032	0	1.359	0	0	10.232	0.215	1.258	0.016
MOSTMEG	P#5	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P5_1_mica	7	1.9535	0.056	0.03	1.637	0	0	9.956	0.234	1.662	0.004
MOSTMEG	P#5	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P5_2_mica	1	0.8076	0	0.056	1.853	0	0	9.781	0.174	2.2679	0.013
MOSTMEG	P#5	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P5_2_mica	2	1.5795	0.006	0	1.523	0	0	10.1	0.258	0.7456	0.004
MOSTMEG	P#5	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P5_2_mica	3	1.8337	0.042	0.009	1.344	0	0	10.276	0.24	0.7958	0
MOSTMEG	P#5	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P5_2_mica	4	2.3232	0.033	0.001	2.245	0	0	10.115	0.237	0.9014	0.02
MOSTMEG	P#5	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P5_2_mica	5	2.1769	0	0.022	2.068	0	0	10.442	0.162	0.7733	0
MOSTMEG	P#5	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P5_3_mica	1	0.0885	0.032	0.009	2.757	0	0	8.998	0.126	1.9534	0.004
MOSTMEG	P#5	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P5_3_mica	2	1.2711	0.021	0	0.747	0	0	10.261	0.339	0.7337	0
MOSTMEG	P#5	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P5_3_mica	3	2.5886	0	0	1.739	0	0	10.086	0.201	1.1327	0.009
MOSTMEG	P#5	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P5_3_mica	4	2.629	0.017	0.011	1.514	0	0	10.242	0.225	0	0.004
MOSTMEG	P#5	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P5_3_mica	5	1.7906	0.027	0.034	1.426	0	0	10.269	0.243	0.9272	0.006
MOSTMEG	P#5	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P5_4_mica	1	1.6809	0.014	0.016	1.542	0	0	9.349	0.181	1.5055	0
MOSTMEG	P#5	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P5_4_mica	2	1.7558	0.013	0.003	1.252	0	0	10.502	0.275	0.6884	0.001
MOSTMEG	P#5	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P5_4_mica	3	2.246	0	0.009	1.221	0	0	10.289	0.337	0	0.009
MOSTMEG	P#5	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P5_4_mica	4	2.257	0	0.026	1.602	0	0	9.546	0.745	4.4335	0.019
MOSTMEG	P#5	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P5_5_mica	1	1.9044	0.012	0.012	1.464	0	0	9.594	0.194	0.8263	0.001
MOSTMEG	P#5	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P5_5_mica	2	2.2475	0.054	0.056	2.271	0	0	10.162	0.203	1.1649	0.007
MOSTMEG	P#5	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P5_5_mica	3	2.2511	0.022	0.047	2.442	0	0	10.254	0.204	1.1174	0.012
MOSTMEG	P#5	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P5_5_mica	4	1.7338	0	0.009	1.799	0	0	10.013	0.145	0.9598	0.002
MOSTMEG	P#5	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P5_5_mica	5	1.9691	0.037	0.024	2.217	0	0	10.234	0.196	1.0216	0
MOSTMEG	P#5	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P5_6_mica	1	1.383	0.04	0.036	3.558	0	0	7.807	0.217	0.8747	0.003
MOSTMEG	P#5	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P5_6_mica	2	2.0793	0.032	0.037	3.451	0.014	0	9.752	0.146	0.5111	0
MOSTMEG	P#5	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P5_6_mica	3	1.7823	0.009	0.02	1.241	0	0	8.151	1.833	1.0645	0.021
MOSTMEG	P#5	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P5_6_mica	5	0	0	0	0.84	0	0	9.783	0.892	0.3036	0
MOSTMEG	R#1	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R#1_2_micas	1	0.3358	0.043	0.01	0.747	0	0	8.847	0.544	0.132	0
MOSTMEG	R#1	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R#1_2_micas	2	0.83	0	0	0.437	0	0	9.101	1.195	0	0.005
MOSTMEG	R#1	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R#1_2_micas	3	1.1536	0	0	0.903	0	0	10.073	0.099	1.5135	0
MOSTMEG	R#1	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R#1_2_micas	4	0.2319	0	0.065	0.914	0	0	9.682	0.205	0.0482	0

Reference	Sample	Country	Location1	Type	id	id2	id3	Group	Point	FeO	MnO	CaO	MgO	Cs2O	Rb2O	K2O	Na2O	Li2O	Cl
MOSTMEG	R#1	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R#1_3_micas	1	0.1455	0.029	0.01	0.959	0	0	8.804	0.1	0.2494	0
MOSTMEG	R#1	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R#1_3_micas	2	0.1138	0.019	0.021	0.957	0	0	8.318	0.08	0.2455	0
MOSTMEG	R#1	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R#1_3_micas	3	0	0	0.033	1.947	0	0	9.712	0.096	0.2449	0
MOSTMEG	R#1	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R#1_4_micas	1	3.1593	0.042	0.024	3.141	0	0	5.936	0.019	1.3067	0.01
MOSTMEG	R#1	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R#1_4_micas	3	0.5723	0.028	0.066	0.908	0.004	0	9.666	0.177	0.2884	0.008
MOSTMEG	R#1	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R#1_5_micas	1	0.5027	0.016	0.019	1.03	0	0	7.813	0.142	0.205	0.01
MOSTMEG	R#1	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R#1_6_mica	1	0.6331	0	0	1.068	0	0	7.461	0.063	0.6175	0
MOSTMEG	R#1	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R#1_6_mica	2	1.506	0.012	0	0.859	0	0	9.429	0.809	0	0.001
MOSTMEG	R#1	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R#1_6_mica	3	0.4376	0	0.033	1.181	0	0	9.539	0.161	0.1598	0
MOSTMEG	R#1	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R#1_7_micas	1	1.8955	0.024	0.001	1.982	0	0	7.274	0.12	0.8844	0
MOSTMEG	R#1	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R#1_7_micas	2	0.4102	0	0.007	2.741	0	0	10.345	0.07	0.145	0.012
MOSTMEG	R#5	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R#5_1_micas	4	0.5618	0.017	0.02	1.021	0	0	10.067	0.155	0.6634	0.001
MOSTMEG	R#5	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R#5_2_micas	1	0.3002	0.034	0.063	2.747	0	0	8.294	0.064	0.2573	0.014
MOSTMEG	R#5	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R#5_2_micas	2	0.2737	0.049	0.043	2.737	0.019	0	7.629	0.077	0.2493	0
MOSTMEG	R#5	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R#5_2_micas	3	0.2409	0.017	0.063	0.763	0	0	9.63	0.227	0.0618	0.006
MOSTMEG	R#5	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R#5_2_micas	4	0.2383	0.012	0.043	0.737	0	0	9.474	0.462	0.2405	0
MOSTMEG	R#5	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R#5_3_micas	1	2.4443	0.001	0.047	2.19	0	0	7.596	0.087	1.1283	0.003
MOSTMEG	R#5	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R#5_3_micas	2	2.4049	0	0.054	2.203	0	0	7.23	0.088	0.9703	0.011
MOSTMEG	R#5	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R#5_3_micas	3	0.3331	0.016	0.05	1.797	0.002	0	9.318	0.095	0.2586	0
MOSTMEG	R#5	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R#5_3_micas	4	0	0	0.023	1.878	0	0	9.007	0.159	0.4445	0.004
MOSTMEG	R#5	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R#5_3_micas	5	0	0	0.016	1.959	0	0	8.463	0.154	0.3455	0.012
MOSTMEG	R#5	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R#5_4_micas	1	0.3269	0	0.02	0.9	0	0	6.89	0.172	0.2675	0.001
MOSTMEG	R#5	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R#5_4_micas	2	0.2828	0.019	0.028	0.913	0	0	6.506	0.173	0.2523	0
MOSTMEG	R#5	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R#5_5_micas	1	0.2594	0.028	0.012	2.567	0.021	0	6.797	0.055	0.0703	0
MOSTMEG	R#5	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R#5_5_micas	2	0	0	0.023	2.632	0	0	6.162	0.045	0.0423	0
MOSTMEG	R#5	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R#5_5_micas	3	0.91	0.019	0.006	0.541	0	0	9.082	1.128	0	0
MOSTMEG	R#5	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R#5_6_micas	1	0.4091	0	0.083	2.044	0	0	7.512	0.092	0.1405	0.006
MOSTMEG	R#5	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R#5_6_micas	2	0	0	0.032	2.171	0	0	10.12	0.125	0	0.01
MOSTMEG	R#13	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R13_1_mica	1	0.5658	0	0.033	0.731	0	0	9.223	0.243	0.2345	0.011
MOSTMEG	R#13	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R13_1_mica	2	0	0	0	1.162	0	0	9.753	0.282	0.431	0.001
MOSTMEG	R#13	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R13_1_mica	3	1.739	0.047	0.051	1.491	0	0	9.783	0.221	1.814	0.001
MOSTMEG	R#13	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R13_2_mica	1	1.419	0	0.012	2.541	0	0	8.39	0.25	1.7318	0.015
MOSTMEG	R#13	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R13_2_mica	2	1.939	0	0	1.563	0	0	10.227	0.189	0	0
MOSTMEG	R#13	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R13_2_mica	3	0.2864	0.014	0.017	0.974	0	0	9.73	0.243	0.2477	0.004
MOSTMEG	R#13	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R13_2_mica	4	0.2733	0.019	0.016	0.933	0	0	9.96	0.297	0.2247	0
MOSTMEG	R#13	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R13_2_mica	5	0.2954	0.017	0.03	1.404	0	0	9.614	0.427	0.0919	0.004
MOSTMEG	R#13	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R13_3_mica	1	0.1465	0.022	0.012	0.858	0	0	7.526	0.217	0.1495	0
MOSTMEG	R#13	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R13_3_mica	2	1.914	0	0.03	1.091	0	0	10.058	0.233	0	0.007
MOSTMEG	R#13	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R13_3_mica	3	1.715	0	0.035	0.95	0	0	10.104	0.258	0	0.01
MOSTMEG	R#13	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R13_4_mica	1	0	0	0.062	1.119	0	0	7.981	0.174	0.2178	0
MOSTMEG	R#13	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R13_5_mica	2	1.2444	0.028	0	0.901	0	0	9.971	0.297	1.0502	0.008
MOSTMEG	R#13	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R13_5_mica	3	0	0	0.011	0.998	0	0	9.781	0.273	0.3861	0
MOSTMEG	R#13	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R13_6_mica	1	1.4585	0	0.1	1.334	0	0	8.8	0.178	1.4273	0
MOSTMEG	R#13	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R13_6_mica	2	0.9844	0	0.025	0.912	0.017	0	9.773	0.32	1.9315	0.01
MOSTMEG	R#13	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R13_6_mica	3	0.596	0	0.025	0.755	0	0	9.822	0.236	0.5725	0.007
MOSTMEG	R#13	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R13_7_mica	1	0.2795	0.036	0.008	1.139	0	0	9.49	0.266	0.0946	0
MOSTMEG	R#13	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R13_7_mica	2	0.9365	0.009	0.053	0.877	0	0	7.34	0.164	6.0514	0
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_10_mica	1	0.0436	0.001	0.015	0.535	0	0	8.957	0.472	0.2328	0.007
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_10_mica	2	0.879	0.005	0.006	0.587	0	0	10.214	0.619	0	0

Reference	Sample	Country	Location1	Type	id	id2	id3	Group	Point	FeO	MnO	CaO	MgO	Cs2O	Rb2O	K2O	Na2O	Li2O	Cl
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_10_mica	3	0.793	0.017	0.015	0.521	0	0	10.422	0.689	0	0.014
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_10_mica	4	0.762	0.027	0.008	0.484	0	0	10.321	0.718	0	0.009
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_10_mica	5	0.884	0.047	0	0.502	0	0	10.458	0.701	0	0
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_10_plag	4	0	0	0.484	0.112	0	0	0.411	7.587	6.9719	0
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_11_bt	1	16.3289	0.04	0.047	9.298	0	0	6.548	0.104	0	0.032
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_11_mica	1	0.7513	0.015	0.033	0.653	0	0	9.264	0.448	0.9493	0.022
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_11_mica	2	0.728	0	0.023	0.53	0	0	10.368	0.554	0	0
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_11_mica	3	0.72	0	0.007	0.538	0	0	10.335	0.565	0	0
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_11_mica	4	0.774	0	0.027	0.542	0	0	10.219	0.583	0	0
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_11_mica	5	0.6356	0	0.02	0.521	0	0	10.318	0.547	0.7417	0
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_12_mica	1	0	0	0.039	2.272	0	0	9.877	0.087	0.1107	0.015
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_12_mica	2	0	0	0.079	2.151	0	0	9.97	0.127	0	0.003
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_12_mica	3	3.1	0.038	0.024	1.84	0	0	10.815	0.083	0	0
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_12_mica	4	2.799	0.026	0.038	1.85	0	0	10.469	0.094	0	0.013
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_12_mica	5	0	0	0.038	1.785	0	0	10.569	0.122	0.5632	0.015
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_1_bt	1	21.489	0.076	0.03	7.801	0	0	9.093	0.055	0	0.009
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_1_mica	1	0.0454	0	0	0.607	0	0	9.719	0.471	0.2405	0.004
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_1_mica	2	0.5486	0	0.097	2.139	0	0	9.963	0.114	0.2261	0.018
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_1_mica	4	0.82	0.04	0.001	0.467	0	0	10.379	0.688	0	0
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_1_mica	5	0.764	0	0	0.53	0	0	10.393	0.681	0	0.002
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_2_mica	1	0	0	0.024	0.5	0	0	9.402	0.424	0.2029	0.008
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_2_mica	2	0.701	0	0.03	0.513	0	0	9.845	0.554	0	0.009
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_2_mica	3	0.681	0	0.031	0.471	0	0	9.906	0.557	0	0
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_2_mica	4	0.649	0.014	0.044	0.443	0	0	9.936	0.572	0	0.012
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_2_mica	5	0.764	0	0.015	0.534	0	0	9.849	0.553	0	0.017
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_2_mica	6	0.844	0	0.021	0.52	0	0	10.326	0.673	0	0.001
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_2_mica	7	0.828	0	0.03	0.482	0	0	10.369	0.683	0	0.01
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_3_mica	1	0	0	0.06	2.302	0	0	9.176	0.106	0.5279	0.016
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_3_mica	2	3.144	0.014	0.039	2.046	0	0	10.18	0.102	0	0.012
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_3_mica	3	4.845	0.028	0.04	2.538	0	0	10.289	0.109	0	0.016
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_3_mica	4	2.515	0.004	0.025	1.609	0	0	10.467	0.112	0	0.006
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_3_mica	5	2.603	0.001	0.03	1.645	0	0	10.548	0.102	0	0.015
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_3_mica	6	0.676	0	0.017	0.509	0	0	10.177	0.663	0	0.005
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_3_mica	7	0.691	0	0.023	0.53	0	0	10.642	0.479	0	0
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_3_mica	8	0.66	0.045	0.004	0.508	0	0	10.204	0.69	0	0.008
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_4_bt	1	15.3976	0.073	0.044	8.48	0	0	7.322	0.039	0.439	0.018
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_4_bt	2	17.4495	0.108	0.029	8.998	0	0	6.862	0.054	0	0
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_4_mica	2	0.723	0.016	0.001	0.48	0	0	10.217	0.615	0	0.01
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_4_mica	3	0.5373	0	0.084	2.766	0.031	0	9.422	0.181	0.2255	0.015
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_4_mica	4	0.962	0	0.034	0.554	0	0	9.871	0.512	0	0
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_4_mica	5	0.5662	0	0.005	0.75	0	0	10.438	0.445	0.4994	0.015
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_5_bt	1	15.2046	0.032	0.084	9.262	0	0	6.375	0.086	0	0.007
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_5_bt	3	14.105	0.087	0.057	8.589	0	0	7.596	0.04	0.8582	0.021
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_5_mica	1	0.4146	0.014	0.005	0.513	0	0	9.69	0.458	0.1607	0
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_5_mica	2	1.637	0.036	0.084	1.516	0	0	10.338	0.132	0	0
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_5_mica	3	2.93	0	0.069	2.037	0.001	0	10.285	0.083	0	0.01
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_5_mica	5	3.599	0	0.024	2.001	0	0	10.732	0.113	0	0.006
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_6_bt	4	17.6356	0.069	0.063	9.153	0	0	6.239	0.07	0	0.018
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_6_bt	5	16.7286	0.129	0.136	9.76	0	0	5.349	0.087	0	0.027

Reference	Sample	Country	Location1	Type	id	id2	id3	Group	Point	FeO	MnO	CaO	MgO	Cs2O	Rb2O	K2O	Na2O	Li2O	Cl
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_6_mica	1	0.881	0	0.025	0.615	0	0	9.756	0.52	0	0.013
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_6_mica	2	1.123	0.007	0.061	1.164	0	0	8.293	0.078	1.7743	0.008
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_6_mica	3	2.133	0.029	0.04	1.773	0	0	10.498	0.124	0	0.015
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_6_mica	7	0.5791	0	0.007	0.581	0	0	10.204	0.516	0.6163	0
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_6_mica	8	0.6543	0	0.015	0.524	0	0	8.785	0.476	1.8917	0.026
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_6_mica	9	0.705	0.011	0	0.541	0	0	10.211	0.56	0	0.006
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_7_bt	1	15.0704	0.088	0.067	8.402	0	0	7.751	0.123	0	0.007
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_7_mica	1	0.3752	0	0.129	1.804	0	0	9.177	0.107	0.1286	0.002
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_7_mica	2	1.995	0	0.026	1.552	0	0	10.833	0.16	0	0
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_7_mica	3	2.732	0.013	0.047	1.903	0	0	10.587	0.124	0	0.013
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_7_mica	4	2.99	0.02	0.064	1.875	0	0	10.206	0.122	0	0.014
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_7_mica	5	0	0	0.043	1.381	0	0	7.915	0.082	0.9149	0.015
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_8_bt	2	15.6155	0.07	0.168	8.916	0	0	6.517	0.085	0	0.023
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_8_mica	1	0	0	0.039	0.518	0	0	9.479	0.501	0.2154	0.004
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_8_mica	2	0.5679	0	0.026	0.495	0	0	10.197	0.649	0.5862	0.022
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_8_mica	3	0.6892	0.002	0.008	0.52	0	0	10.092	0.706	0.8194	0.034
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_8_mica	4	1.2036	0	0.03	0.494	0	0	9.632	0.581	0.832	0.023
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_8_mica	5	0.7674	0	0.032	0.443	0	0	10.109	0.628	1.4288	0.002
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_9_mica	1	0	0.0494	0.016	0.545	0	0	9.408	0.497	0.2413	0.007
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_9_mica	2	0.62	0.008	0.016	0.513	0	0	10.004	0.68	0	0
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_9_mica	3	1.389	0.019	0.072	0.519	0	0	8.967	0.475	1.6561	0.108
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_9_mica	4	0	0	0.052	3.402	0	0	8.275	0.136	0.0998	0.011
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_9_mica	6	0	0	0.161	1.681	0	0	9.952	0.12	0.0866	0.012
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_9_mica	7	2.056	0.012	0.06	1.523	0	0	10.573	0.108	0	0.009

Reference	Sample	Country	Location1	Type	id	id2	id3	Group	Point	F	H2O	Total#	O=F	O=Cl	Total
MOSTMEG	MT#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#12_1_micas	1	0.044	4.5304	101.9233	-0.0185	0	101.9048
MOSTMEG	MT#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#12_1_micas	2	0.19	4.4819	101.2597	-0.08	-0.0002	101.1795
MOSTMEG	MT#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#12_1_micas	3	0.045	4.5533	100.9155	-0.0189	-0.0045	100.892
MOSTMEG	MT#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#12_1_micas	4	0.185	4.2805	100.0859	-0.0779	-0.0025	100.0055
MOSTMEG	MT#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#12_1_micas	5	0.212	4.389	100.1084	-0.0893	0	100.0192
MOSTMEG	MT#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#12_2_micas	1	0.049	4.5144	101.1306	-0.0206	-0.0009	101.1091
MOSTMEG	MT#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#12_2_micas	2	0.105	4.5161	101.5944	-0.0442	-0.0016	101.5486
MOSTMEG	MT#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#12_2_micas	3	0.059	4.4819	99.9814	-0.0248	-0.0018	99.9548
MOSTMEG	MT#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#12_2_micas	4	0.191	4.4403	100.2148	-0.0804	-0.0045	100.1299
MOSTMEG	MT#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#12_3_micas	1	0	4.5404	100.7733	0	-0.0011	100.7721
MOSTMEG	MT#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#12_3_micas	2	0	4.5744	100.9976	0	0	100.9976
MOSTMEG	MT#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#12_3_micas	3	0.107	4.4684	100.0511	-0.0451	0	100.006
MOSTMEG	MT#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#12_6_micas	1	0.011	4.5929	100.794	-0.0046	0	100.7893
MOSTMEG	MT#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#12_6_micas	2	0.172	4.5397	101.0922	-0.0724	0	101.0198
MOSTMEG	MT#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#12_7_micas	1	0.126	4.521	100.0046	-0.0531	-0.0005	99.9511
MOSTMEG	MT#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#12_7_micas	2	0.192	4.5008	100.0738	-0.0808	-0.0005	99.9925
MOSTMEG	MT#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#12_8_micas	1	0.133	4.4472	100.0787	-0.056	-0.0036	100.0191
MOSTMEG	MT#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#12_8_micas	2	0.251	4.3698	100.1248	-0.1057	-0.0023	100.0169
MOSTMEG	MT#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#12_8_micas	3	0.087	4.5003	100.0778	-0.0366	-0.0011	100.04
MOSTMEG	MT#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#12_9_micas	1	0.181	4.4716	100.3173	-0.0762	-0.0014	100.2397
MOSTMEG	MT#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#12_9_micas	2	0.125	4.454	100.1378	-0.0526	-0.0032	100.082
MOSTMEG	MT#1	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#1_1_micas	1	0.164	4.5284	100.0662	-0.0691	-0.0018	99.9953
MOSTMEG	MT#1	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#1_1_micas	2	0	4.5299	99.9928	0	-0.0036	99.9892
MOSTMEG	MT#1	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#1_1_micas	3	0.152	4.4322	100.0935	-0.064	0	100.0295
MOSTMEG	MT#1	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#1_3_micas	1	0.104	4.5135	100.5386	-0.0438	0	100.4948
MOSTMEG	MT#1	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#1_3_micas	2	0.038	4.4167	99.5787	-0.016	-0.0002	99.5625
MOSTMEG	MT#1	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#1_3_micas	3	0.095	4.4081	100.1791	-0.04	0	100.1391
MOSTMEG	MT#1	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#1_3_micas	4	0.223	4.401	100.0941	-0.0939	-0.002	99.9981
MOSTMEG	MT#1	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#1_4_micas	1	0.194	4.4534	100.1143	-0.0817	-0.0041	100.0286
MOSTMEG	MT#1	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#1_5_micas	1	0.153	4.4524	100.0523	-0.0644	-0.0054	99.9824
MOSTMEG	MT#1	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#1_5_micas	2	0.055	4.4818	100.0278	-0.0232	0	100.0047
MOSTMEG	MT#1	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#1_5_micas	3	0.047	4.1527	99.8164	-0.0198	-0.0047	99.7918
MOSTMEG	MT#1	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#1_5_micas	4	0.076	4.4349	100.6459	-0.032	-0.0034	100.6105
MOSTMEG	MT#9	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#9_1_micas	1	0.076	4.5748	99.9172	-0.032	-0.0025	99.8827
MOSTMEG	MT#9	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#9_1_micas	2	0.012	4.6214	99.9188	-0.0051	0	99.9137
MOSTMEG	MT#9	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#9_2_micas	1	0.079	4.5733	100.0152	-0.0333	0	99.9819
MOSTMEG	MT#9	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#9_3_micas	1	0.154	4.5001	100.427	-0.0648	0	100.3622
MOSTMEG	MT#9	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#9_3_micas	2	0.038	4.5298	100.2522	-0.016	-0.0005	100.2358
MOSTMEG	MT#9	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#9_4_micas	1	0.077	4.6179	100.0272	-0.0324	-0.0002	99.9946
MOSTMEG	MT#9	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#9_5_micas	1	0.126	4.5166	100.0772	-0.0531	0	100.0242
MOSTMEG	MT#9	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#9_5_micas	2	0.174	4.4751	99.2436	-0.0733	-0.0025	99.1679
MOSTMEG	MT#9	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#9_6_micas	1	0.154	4.5203	100.2839	-0.0648	0	100.219
MOSTMEG	MT#9	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#9_6_micas	2	0.155	4.4477	99.8907	-0.0653	0	99.8254
MOSTMEG	MT#9	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#9_7_micas	1	0.058	4.6144	101.0173	-0.0244	0	100.9929
MOSTMEG	MT#9	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#9_8_micas	1	0.173	4.516	100.0706	-0.0728	-0.0009	99.9969
MOSTMEG	MT#9	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#9_8_micas	2	0.21	4.5188	100.0839	-0.0884	0	99.9955
MOSTMEG	MT#9	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-MT#9_9_micas	1	0.088	4.5599	99.9973	-0.0371	0	99.9602
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_1_mica	1	0.115	4.4977	100.3657	-0.0484	-0.0045	100.3127
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_1_mica	2	0.068	4.4647	99.9393	-0.0286	-0.0011	99.9096

Reference	Sample	Country	Location1	Type	id	id2	id3	Group	Point	F	H2O	Total#	O=F	O=Cl	Total
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_1_mica	3	0.29	4.3528	99.6518	-0.1221	0	99.5297
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_1_mica	4	0.067	4.491	100.023	-0.0282	-0.0018	99.993
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_1_mica	5	0.124	4.4565	99.9541	-0.0522	-0.0002	99.9017
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_2_mica	1	0.125	4.5099	100.5611	-0.0526	-0.0011	100.5073
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_2_mica	2	0.087	4.4628	99.8273	-0.0366	0	99.7907
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_2_mica	3	0.007	4.5043	100.0233	-0.0029	0	100.0203
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_2_mica	4	0.128	4.4448	99.9892	-0.0539	-0.0023	99.933
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_2_mica	5	0.038	4.5001	99.9106	-0.016	0	99.8946
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_3_mica	1	0.084	4.4825	99.9903	-0.0354	-0.0016	99.9534
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_3_mica	2	0	4.5344	100.0284	0	-0.0038	100.0245
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_3_mica	3	0.168	4.4288	99.9366	-0.0707	0	99.8659
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_3_mica	4	0.173	4.4792	100.0649	-0.0728	-0.0014	99.9907
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_3_mica	5	0.089	4.4703	99.9686	-0.0375	0	99.9311
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_3_mica	6	0.181	4.4004	100.0694	-0.0762	-0.0011	99.9921
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_4_mica	1	0.068	4.4784	99.949	-0.0286	0	99.9204
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_4_mica	2	0.041	4.4961	100.1231	-0.0173	-0.0005	100.1054
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_4_mica	3	0.223	4.4187	100.0812	-0.0939	-0.0002	99.9871
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_5_mica	1	0.104	4.5286	100.8574	-0.0438	-0.0011	100.8124
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_5_mica	2	0.088	4.4801	100.0174	-0.0371	0	99.9804
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_5_mica	3	0.164	4.443	100.0313	-0.0691	-0.002	99.9602
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_5_mica	4	0.066	4.4995	100.3195	-0.0278	0	100.2917
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_5_mica	5	0.162	4.4146	100.2346	-0.0682	0	100.1664
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_5_mica	6	0.143	4.4474	100.2464	-0.0602	0	100.1862
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_6_bt	2	0.684	3.4456	98.7353	-0.288	-0.0029	98.4444
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_6_mica	1	0.124	4.5044	100.7766	-0.0522	-0.0009	100.7235
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_6_mica	2	0.238	4.4395	100.4553	-0.1002	-0.0002	100.3548
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_6_mica	3	0.175	4.4422	100.1948	-0.0737	-0.0009	100.1202
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_6_mica	4	0.182	4.4382	100.1757	-0.0766	0	100.099
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_6_mica	5	0.173	4.4072	99.8934	-0.0728	0	99.8206
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_6_mica	6	0.087	4.4638	100.0062	-0.0366	-0.0002	99.9693
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_7_mica	1	0.05	4.5527	100.7967	-0.0211	-0.0007	100.775
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_7_mica	2	0.155	4.4314	99.5734	-0.0653	-0.0018	99.5063
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_7_mica	3	0.059	4.4898	99.8958	-0.0248	0	99.871
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_7_mica	4	0.103	4.4571	100.0971	-0.0434	-0.0007	100.053
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_7_mica	5	0.24	4.399	99.638	-0.1011	0	99.537
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_8_mica	1	0.202	4.45	100.0293	-0.0851	-0.0002	99.944
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_8_mica	2	0.174	4.4728	99.9467	-0.0733	0	99.8734
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_8_mica	3	0.096	4.521	99.9686	-0.0404	0	99.9281
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_8_mica	4	0.097	4.6039	100.6151	-0.0408	-0.0034	100.5709
MOSTMEG	MT#10	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT10_8_mica	5	0.039	4.5236	99.9281	-0.0164	0	99.9117
MOSTMEG	MT#11	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT11_11_bt	1	0.127	3.9906	100.169	-0.0535	-0.0023	100.1133
MOSTMEG	MT#11	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT11_11_bt	2	0.193	3.9497	100.2359	-0.0813	-0.0023	100.1524
MOSTMEG	MT#11	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT11_11_bt	3	0.093	3.9963	100.2327	-0.0392	0	100.1935
MOSTMEG	MT#11	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT11_11_bt	4	0.04	4.0028	100.1547	-0.0168	-0.0034	100.1345
MOSTMEG	MT#11	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT11_11_bt	5	0	4.0304	100.0952	0	-0.0016	100.0936
MOSTMEG	MT#11	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT11_11_bt	6	0.074	3.9956	100.1084	-0.0312	-0.0025	100.0748
MOSTMEG	MT#11	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT11_11_bt	7	0.309	3.8722	100.3396	-0.1301	-0.002	100.2075
MOSTMEG	MT#11	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT11_11_bt	8	0.191	3.9399	100.1816	-0.0804	-0.0036	100.0975
MOSTMEG	MT#11	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT11_11_bt	9	0.073	3.8959	98.7303	-0.0307	-0.0034	98.6961

Reference	Sample	Country	Location1	Type	id	id2	id3	Group	Point	F	H2O	Total#	O=F	O=Cl	Total
MOSTMEG	MT#11	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT11_11_bt	10	0.245	3.9089	100.2304	-0.1032	-0.002	100.1252
MOSTMEG	MT#11	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT11_11_mica	1	0.008	4.5547	101.3293	-0.0034	-0.0002	101.3257
MOSTMEG	MT#11	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT11_11_mica	2	0.104	4.4309	99.8542	-0.0438	-0.0016	99.8088
MOSTMEG	MT#11	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT11_11_mica	3	0	4.4741	99.7436	0	0	99.7436
MOSTMEG	MT#11	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT11_11_mica	4	0.086	4.4634	100.1548	-0.0362	0	100.1186
MOSTMEG	MT#11	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT11_11_mica	5	0.029	4.4595	99.8704	-0.0122	-0.0041	99.8541
MOSTMEG	MT#11	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT11_11_mica	6	0.037	4.4514	99.8762	-0.0156	0	99.8606
MOSTMEG	MT#11	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT11_11_mica	7	0	4.4837	99.9718	0	-0.0007	99.9711
MOSTMEG	MT#11	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT11_12_bt	1	0.148	3.7602	100.234	-0.0623	0	100.1717
MOSTMEG	MT#11	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT11_12_bt	2	0	3.7621	98.0091	0	-0.0002	98.0089
MOSTMEG	MT#11	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT11_12_bt	3	0.085	3.7796	100.1932	-0.0358	-0.0018	100.1557
MOSTMEG	MT#11	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT11_1_bt	1	0.128	3.7632	100.2608	-0.0539	-0.0016	100.2054
MOSTMEG	MT#11	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT11_1_bt	2	0.142	3.7659	100.2725	-0.0598	-0.005	100.2077
MOSTMEG	MT#11	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT11_1_bt	3	0.176	3.6475	98.9922	-0.0741	-0.0054	98.9127
MOSTMEG	MT#11	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT11_1_bt	4	0.047	3.788	100.5335	-0.0198	-0.0005	100.5133
MOSTMEG	MT#11	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT11_1_bt	5	0.169	3.7559	100.2357	-0.0712	-0.0009	100.1637
MOSTMEG	MT#11	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT11_1_bt	6	0.149	3.7572	100.2368	-0.0627	0	100.174
MOSTMEG	MT#11	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT11_1_bt	7	0.162	3.7602	100.2558	-0.0682	-0.0014	100.1862
MOSTMEG	MT#11	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT11_1_mica	1	0.122	4.4385	99.9828	-0.0514	-0.0027	99.9288
MOSTMEG	MT#11	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT11_1_mica	2	0.008	4.4921	100.071	-0.0034	0	100.0676
MOSTMEG	MT#11	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT11_1_mica	3	0.155	4.3457	100.0767	-0.0653	0	100.0114
MOSTMEG	MT#11	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT11_2_bt	2	0.291	3.6669	99.2797	-0.1225	0	99.1572
MOSTMEG	MT#11	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT11_2_bt	3	0.079	3.8698	101.0506	-0.0333	0	101.0174
MOSTMEG	MT#11	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT11_2_bt	4	0.219	3.788	100.5505	-0.0922	-0.0009	100.4574
MOSTMEG	MT#11	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT11_2_bt	5	0.183	3.8032	100.1937	-0.0771	-0.0025	100.1141
MOSTMEG	MT#11	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT11_2_bt	6	0.157	3.7466	100.3392	-0.0661	0	100.2731
MOSTMEG	MT#11	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT11_2_bt	7	0.067	3.7953	100.2288	-0.0282	-0.0027	100.1979
MOSTMEG	MT#11	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT11_2_bt	8	0.166	3.7375	100.3805	-0.0699	-0.0025	100.3081
MOSTMEG	MT#11	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT11_2_chl	3	0.05	4.4875	100.0445	-0.0211	0	100.0235
MOSTMEG	MT#11	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT11_3_bt	1	0.015	3.8104	100.2085	-0.0063	-0.0023	100.2
MOSTMEG	MT#11	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT11_3_bt	2	0.124	3.7584	100.3671	-0.0522	-0.0011	100.3137
MOSTMEG	MT#11	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT11_3_bt	3	0.125	3.7652	100.2021	-0.0526	-0.0014	100.1481
MOSTMEG	MT#11	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT11_3_chl	2	0.066	4.4068	99.3655	-0.0278	0	99.3377
MOSTMEG	MT#11	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT11_4_bt	1	0	3.844	100.1618	0	-0.0005	100.1614
MOSTMEG	MT#11	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT11_4_bt	2	0.141	3.7537	100.5632	-0.0594	0	100.5038
MOSTMEG	MT#11	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT11_4_bt	3	0.098	3.77	100.2148	-0.0413	-0.0025	100.1711
MOSTMEG	MT#11	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT11_4_bt	4	0	3.8022	100.1325	0	-0.0009	100.1316
MOSTMEG	MT#11	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT11_4_bt	5	0.009	3.8048	100.1665	-0.0038	-0.0018	100.1609
MOSTMEG	MT#11	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT11_4_mica	1	0.063	4.4533	100.1152	-0.0265	-0.0034	100.0853
MOSTMEG	MT#11	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT11_4_mica	3	0	4.4692	99.9004	0	-0.0072	99.8932
MOSTMEG	MT#11	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT11_4_mica	4	0	4.4269	99.6918	0	-0.0018	99.69
MOSTMEG	MT#11	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT11_5_bt	2	0.082	3.7466	98.7473	-0.0345	-0.0009	98.7119
MOSTMEG	MT#11	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT11_5_bt	3	0	3.7666	98.7992	0	-0.0032	98.796
MOSTMEG	MT#11	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT11_5_bt	4	0	3.7667	98.7458	0	-0.0032	98.7427
MOSTMEG	MT#11	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT11_5_bt	5	0.108	3.6993	98.6325	-0.0455	-0.0016	98.5854
MOSTMEG	MT#11	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT11_5_mica	1	0	4.4548	100.0255	0	-0.0014	100.0241
MOSTMEG	MT#11	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT11_5_mica	2	0.097	4.4589	100.0229	-0.0408	0	99.982
MOSTMEG	MT#11	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT11_5_mica	3	0	4.432	99.9943	0	-0.0029	99.9914
MOSTMEG	MT#11	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT11_5_mica	4	0.236	4.3787	99.9399	-0.0994	-0.0009	99.8397

Reference	Sample	Country	Location1	Type	id	id2	id3	Group	Point	F	H2O	Total#	O=F	O=Cl	Total
MOSTMEG	MT#11	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT11_5_mica	5	0	4.4762	99.8152	0	-0.0072	99.808
MOSTMEG	MT#11	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT11_5_mica	6	0.075	4.4787	99.9151	-0.0316	0	99.8835
MOSTMEG	MT#11	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT11_6_bt	1	0.167	3.7356	100.2625	-0.0703	-0.0007	100.1915
MOSTMEG	MT#11	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT11_6_bt	2	0.084	3.7083	98.9552	-0.0354	-0.0011	98.9187
MOSTMEG	MT#11	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT11_6_bt	3	0.03	3.7824	100.2429	-0.0126	0	100.2302
MOSTMEG	MT#11	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT11_6_mica	1	0.075	4.4124	99.9947	-0.0316	-0.0023	99.9609
MOSTMEG	MT#11	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT11_6_mica	2	0	4.4752	99.9462	0	-0.0014	99.9448
MOSTMEG	MT#11	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT11_6_mica	3	0.028	4.4625	99.9705	-0.0118	-0.0002	99.9585
MOSTMEG	MT#11	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT11_6_mica	4	0	4.4795	99.9581	0	0	99.9581
MOSTMEG	MT#11	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-MT11_6_mica	5	0	4.2611	100.3927	0	-0.0052	100.3875
MOSTMEG	P#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P#12_1_biotite	1	0.348	3.7515	100.2604	-0.1465	0	100.1139
MOSTMEG	P#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P#12_1_biotite	2	0.305	3.7763	100.218	-0.1284	-0.0023	100.0873
MOSTMEG	P#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P#12_1_biotite	3	0.206	3.7896	100.2304	-0.0867	-0.0016	100.1421
MOSTMEG	P#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P#12_1_moscovi	1	0	4.5881	101.3068	0	-0.0054	101.3013
MOSTMEG	P#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P#12_1_moscovi	2	0	4.5936	101.0942	0	-0.0018	101.0924
MOSTMEG	P#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P#12_2_biotite	2	0.493	3.5835	98.4034	-0.2076	-0.012	98.1839
MOSTMEG	P#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P#12_2_moscovi	1	0.077	4.546	100.2643	-0.0324	-0.0029	100.229
MOSTMEG	P#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P#12_2_moscovi	2	0	4.5944	99.8867	0	0	99.8867
MOSTMEG	P#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P#12_3_biotite	2	0.499	3.6836	100.4172	-0.2101	-0.0068	100.2003
MOSTMEG	P#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P#12_3_biotite	3	0.217	3.8232	100.3045	-0.0914	-0.0061	100.207
MOSTMEG	P#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P#12_3_moscovi	1	0.087	4.529	100.7577	-0.0366	-0.0025	100.7185
MOSTMEG	P#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P#12_3_moscovi	2	0.04	4.4296	99.9816	-0.0168	-0.0014	99.9634
MOSTMEG	P#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P#12_4_biotite	1	0.267	3.7906	100.2361	-0.1124	-0.0036	100.1201
MOSTMEG	P#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P#12_4_biotite	2	0.328	3.7691	100.2797	-0.1381	0	100.1416
MOSTMEG	P#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P#12_4_biotite	3	0.331	3.7383	100.3315	-0.1394	-0.0018	100.1903
MOSTMEG	P#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P#12_4_moscovi	1	0	4.6149	100.0216	0	-0.0009	100.0207
MOSTMEG	P#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P#12_4_moscovi	2	0.066	4.6032	100.0568	-0.0278	0	100.029
MOSTMEG	P#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P#12_5_biotite	1	0.302	3.7696	100.2819	-0.1272	0	100.1547
MOSTMEG	P#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P#12_5_biotite	2	0.433	3.7067	100.349	-0.1823	-0.0025	100.1642
MOSTMEG	P#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P#12_5_moscovi	1	0.008	4.5648	100.23	-0.0034	0	100.2267
MOSTMEG	P#12	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P#12_5_moscovi	2	0.164	4.4922	100.0591	-0.0691	-0.0018	99.9882
MOSTMEG	P#2	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P#2_1_micas	1	0.097	4.5008	100.0561	-0.0408	0	100.0152
MOSTMEG	P#2	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P#2_1_micas	2	0.046	4.4636	100.6951	-0.0194	0	100.6757
MOSTMEG	P#2	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P#2_2_micas	1	0.115	4.4788	100.0936	-0.0484	-0.0032	100.042
MOSTMEG	P#2	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P#2_2_micas	2	0.096	4.401	100.0777	-0.0404	-0.0016	100.0357
MOSTMEG	P#2	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P#2_3_micas	1	0.03	4.5633	99.9722	-0.0126	-0.0068	99.9528
MOSTMEG	P#2	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P#2_3_micas	2	0.059	4.4785	100.0912	-0.0248	-0.0144	100.0519
MOSTMEG	P#2	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P#2_3_micas	3	0.095	4.4813	100.397	-0.04	-0.0038	100.3532
MOSTMEG	P#2	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P#2_4_micas	1	0.018	4.5832	101.8143	-0.0076	-0.0052	101.8015
MOSTMEG	P#2	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P#2_4_micas	2	0.203	4.3752	100.1134	-0.0855	-0.0014	100.0266
MOSTMEG	P#2	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P#2_5_micas	1	0.069	4.5228	100.0942	-0.0291	0	100.0651
MOSTMEG	P#2	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P#2_5_micas	2	0.086	4.4801	100.4055	-0.0362	-0.0009	100.3683
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_1_bt	1	0.613	3.4991	99.7761	-0.2581	0	99.518
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_1_bt	2	0.419	3.6466	100.5222	-0.1764	-0.0034	100.3423
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_1_bt	3	0.511	3.5506	100.1726	-0.2152	-0.0007	99.9568
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_1_bt	4	0.388	3.6761	100.5996	-0.1634	0	100.4362
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_1_bt	5	0.469	3.6513	100.5891	-0.1975	-0.0002	100.3914
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_1_bt	6	0.398	3.7133	100.3722	-0.1676	-0.0029	100.2017
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_1_mica	1	0.123	4.4578	101.0437	-0.0518	-0.0018	100.9901

Reference	Sample	Country	Location1	Type	id	id2	id3	Group	Point	F	H2O	Total#	O=F	O=Cl	Total
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_1_mica	2	0.185	4.3605	100.0415	-0.0779	-0.0041	99.9595
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_1_mica	3	0.126	4.4524	99.9609	-0.0531	-0.0011	99.9067
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_1_mica	4	0.058	4.4241	100.2011	-0.0244	0	100.1767
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_2_bt	1	0.39	3.5956	99.6846	-0.1642	-0.0002	99.5201
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_2_bt	2	0.571	3.5876	100.4403	-0.2404	-0.0016	100.1983
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_2_bt	3	0.453	3.6244	100.3892	-0.1907	0	100.1984
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_2_bt	4	0.347	3.6427	100.2287	-0.1461	0	100.0826
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_2_bt	5	0.308	3.716	100.3107	-0.1297	-0.0011	100.1799
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_2_mica	4	0.135	4.3922	100.3889	-0.0568	-0.0005	100.3316
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_3_chl	2	0.576	3.498	98.2598	-0.2425	0	98.0172
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_3_chl	3	0.321	3.6462	98.4529	-0.1352	0	98.3177
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_4_mica	1	0	4.5956	101.7768	0	-0.002	101.7747
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_4_mica	2	0.018	4.4842	99.9822	-0.0076	-0.0032	99.9714
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_4_mica	4	0.049	4.4414	99.9134	-0.0206	-0.0029	99.8899
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_4_mica	5	0.127	4.3959	100.0713	-0.0535	-0.0005	100.0174
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_4_mica	6	0.115	4.4347	100.5668	-0.0484	-0.0027	100.5157
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_4_mica	7	0.076	4.3743	99.7363	-0.032	-0.0016	99.7027
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_4_mica	8	0.199	4.3381	100.1891	-0.0838	0	100.1053
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_4_mica	9	0.135	4.3948	100.0338	-0.0568	-0.0005	99.9765
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_4_mica	10	0.108	4.33	100.0496	-0.0455	-0.0059	99.9982
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_4_mica	11	0.056	4.3709	100.6159	-0.0236	-0.0016	100.5908
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_4_mica	12	0.155	4.3866	100.0756	-0.0653	0	100.0103
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_4_mica	13	0.137	4.3942	100.0509	-0.0577	0	99.9932
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_4_mica	14	0.098	4.4245	100.0004	-0.0413	0	99.9592
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_4_mica	15	0.068	4.5032	100.7822	-0.0286	0	100.7535
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_4_mica	16	0.247	4.3169	100.8469	-0.104	0	100.7429
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_4_mica	17	0.143	4.3991	100.5021	-0.0602	0	100.4419
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_4_mica	18	0.095	4.3936	99.7676	-0.04	0	99.7276
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_5_bt	1	0.285	3.759	100.2541	-0.12	-0.0007	100.1334
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_5_bt	2	0.365	3.7317	100.3171	-0.1537	-0.0029	100.1605
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_5_bt	3	0.409	3.7005	100.324	-0.1722	0	100.1518
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_5_bt	4	0.437	3.6639	100.3118	-0.184	-0.0018	100.126
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_5_bt	5	0.226	3.7821	100.311	-0.0952	-0.0005	100.2154
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_6_bt	1	0.486	3.5993	100.6323	-0.2046	0	100.4276
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_6_bt	2	0.472	3.6646	100.655	-0.1987	0	100.4562
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_6_bt	3	0.457	3.6731	100.3565	-0.1924	0	100.164
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_6_bt	4	0.45	3.6551	100.328	-0.1895	-0.002	100.1365
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_7_bt	1	0.515	3.5347	98.7003	-0.2169	0	98.4834
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_7_bt	2	0.476	3.6568	100.4014	-0.2004	0	100.201
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_7_bt	3	0.457	3.6247	100.4049	-0.1924	-0.0007	100.2118
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_7_mica	2	0.094	4.4255	100.1832	-0.0396	-0.0007	100.143
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_8_mica	1	0.121	4.4423	100.8691	-0.0509	-0.002	100.8161
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_8_mica	2	0	4.4463	99.8173	0	0	99.8173
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_8_mica	3	0	4.6296	101.7827	0	0	101.7827
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_8_mica	4	0.076	4.4137	100.5017	-0.032	-0.0036	100.4661
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_8_mica	5	0.125	4.4028	99.6348	-0.0526	-0.0016	99.5806
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_8_mica	8	0.038	4.4127	100.2917	-0.016	0	100.2757
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_8_mica	10	0.104	4.4623	100.7953	-0.0438	0	100.7515
MOSTMEG	P-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-P-CONT1_8_mica	11	0.095	4.4785	101.4175	-0.04	-0.0036	101.3739

Reference	Sample	Country	Location1	Type	id	id2	id3	Group	Point	F	H2O	Total#	O=F	O=Cl	Total
MOSTMEG	P#15	Portugal	CIZ	MP	BG_PT	R	RI	MOSTMEG_lvo-P15_1_mica	1	0.163	4.4345	100.1472	-0.0686	-0.0005	100.0781
MOSTMEG	P#15	Portugal	CIZ	MP	BG_PT	R	RI	MOSTMEG_lvo-P15_1_mica	2	0.123	4.4662	100.7761	-0.0518	-0.0016	100.7227
MOSTMEG	P#15	Portugal	CIZ	MP	BG_PT	R	RI	MOSTMEG_lvo-P15_1_mica	3	0	4.5185	99.8418	0	-0.0009	99.8409
MOSTMEG	P#15	Portugal	CIZ	MP	BG_PT	R	RI	MOSTMEG_lvo-P15_2_micas	1	0	4.4337	100.0253	0	-0.0018	100.0235
MOSTMEG	P#15	Portugal	CIZ	MP	BG_PT	R	RI	MOSTMEG_lvo-P15_2_micas	2	0.049	4.4765	99.9932	-0.0206	0	99.9726
MOSTMEG	P#15	Portugal	CIZ	MP	BG_PT	R	RI	MOSTMEG_lvo-P15_3_mica	1	0	4.5216	99.8664	0	-0.0011	99.8653
MOSTMEG	P#15	Portugal	CIZ	MP	BG_PT	R	RI	MOSTMEG_lvo-P15_4_mica	1	0.114	4.5684	101.7354	-0.048	0	101.6874
MOSTMEG	P#15	Portugal	CIZ	MP	BG_PT	R	RI	MOSTMEG_lvo-P15_4_mica	2	0.018	4.5295	101.4306	-0.0076	0	101.423
MOSTMEG	P#15	Portugal	CIZ	MP	BG_PT	R	RI	MOSTMEG_lvo-P15_5_mica	3	0.047	4.5981	100.8865	-0.0198	0	100.8668
MOSTMEG	P#15	Portugal	CIZ	MP	BG_PT	R	RI	MOSTMEG_lvo-P15_5_mica	4	0.154	4.4351	100.0872	-0.0648	-0.0005	100.0219
MOSTMEG	P#15	Portugal	CIZ	MP	BG_PT	R	RI	MOSTMEG_lvo-P15_5_mica	5	0.077	4.4737	100.0266	-0.0324	-0.0002	99.994
MOSTMEG	P#15	Portugal	CIZ	MP	BG_PT	R	RI	MOSTMEG_lvo-P15_5_mica	6	0.038	4.4782	99.9942	-0.016	-0.0011	99.9771
MOSTMEG	P#15	Portugal	CIZ	MP	BG_PT	R	RI	MOSTMEG_lvo-P15_6_mica	1	0.134	4.4568	99.9319	-0.0564	-0.0029	99.8725
MOSTMEG	P#15	Portugal	CIZ	MP	BG_PT	R	RI	MOSTMEG_lvo-P15_6_mica	2	0.114	4.4308	100.033	-0.048	-0.0014	99.9836
MOSTMEG	P#15	Portugal	CIZ	MP	BG_PT	R	RI	MOSTMEG_lvo-P15_6_mica	3	0	4.4041	99.2947	0	-0.0038	99.2909
MOSTMEG	P#15	Portugal	CIZ	MP	BG_PT	R	RI	MOSTMEG_lvo-P15_6_mica	4	0.078	4.6112	101.0149	-0.0328	0	100.9821
MOSTMEG	P#15	Portugal	CIZ	MP	BG_PT	R	RI	MOSTMEG_lvo-P15_6_mica	5	0.136	4.4767	100.0272	-0.0573	-0.0043	99.9657
MOSTMEG	P#15	Portugal	CIZ	MP	BG_PT	R	RI	MOSTMEG_lvo-P15_6_mica	6	0.145	4.422	100.0472	-0.0611	0	99.9861
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_1_mica	1	0.221	4.3924	100.8342	-0.0931	0	100.7412
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_1_mica	2	0.02	4.4426	100.2556	-0.0084	-0.0018	100.2454
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_1_mica	4	0.174	4.3797	100.0687	-0.0733	0	99.9954
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_1_mica	5	0.174	4.3922	100.0785	-0.0733	-0.0007	100.0045
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_1_mica	6	0.095	4.4312	100.0584	-0.04	-0.0043	100.0141
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_2_mica	1	0.251	4.4294	100.2617	-0.1057	-0.0009	100.1551
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_2_mica	3	0.028	4.4402	100.0326	-0.0118	-0.0036	100.0172
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_2_mica	4	0.134	4.4083	100.0713	-0.0564	-0.0032	100.0117
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_2_mica	5	0.163	4.3952	100.0901	-0.0686	0	100.0214
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_2_mica	7	0.125	4.3634	99.9454	-0.0526	0	99.8927
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_2_mica	8	0.222	4.5041	100.2549	-0.0935	0	100.1615
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_3_mica	1	0.056	4.5232	100.4627	-0.0236	0	100.4391
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_3_mica	2	0	4.4892	99.9742	0	0	99.9742
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_3_mica	3	0.067	4.445	100.0435	-0.0282	-0.0032	100.0121
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_3_mica	4	0.076	4.4178	99.7208	-0.032	-0.0005	99.6884
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_3_mica	5	0.095	4.4499	100.1269	-0.04	-0.0029	100.0839
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_4_mica	1	0	4.4969	99.9693	0	0	99.9693
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_4_mica	2	0.116	4.4455	100.1181	-0.0488	-0.0036	100.0657
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_4_mica	3	0.076	4.4499	100.0607	-0.032	0	100.0287
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_4_mica	4	0.087	4.4496	100.0523	-0.0366	0	100.0157
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_4_mica	5	0	4.4607	99.9596	0	0	99.9596
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_4_mica	6	0.097	4.4092	100.0633	-0.0408	-0.0005	100.022
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_4_mica	7	0.02	4.4523	100.0565	-0.0084	-0.0005	100.0476
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_4_mica	8	0	4.4712	100.0124	0	-0.0023	100.0101
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_5_mica	1	0.018	4.5374	100.6848	-0.0076	-0.0036	100.6736
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_5_mica	2	0	4.481	100.1708	0	-0.0036	100.1672
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_5_mica	3	0	4.4331	99.9211	0	-0.0018	99.9193
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_6_mica	1	0	4.5397	100.5536	0	0	100.5536
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_6_mica	2	0.164	4.361	100.069	-0.0691	-0.0041	99.9958
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_6_mica	3	0.171	4.3722	100.1692	-0.072	-0.0002	100.097
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_7_mica	1	0.086	4.4744	100.0488	-0.0362	-0.0072	100.0054

Reference	Sample	Country	Location1	Type	id	id2	id3	Group	Point	F	H2O	Total#	O=F	O=Cl	Total
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_7_mica	2	0.144	4.4145	100.0975	-0.0606	-0.0016	100.0353
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_7_mica	3	0.126	4.4565	100.2485	-0.0531	-0.0018	100.1936
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_7_mica	4	0.086	4.4683	100.0063	-0.0362	0	99.9701
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_7_mica	5	0.02	4.5102	99.9981	-0.0084	-0.0023	99.9874
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_8_mica	1	0.104	4.4082	100.2452	-0.0438	-0.0054	100.196
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_8_mica	2	0.038	4.4224	100.3934	-0.016	-0.0025	100.3749
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_8_mica	3	0	4.441	100.49	0	-0.0065	100.4834
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_8_mica	4	0.01	4.4487	100.0747	-0.0042	0	100.0705
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_8_mica	5	0.076	4.4102	100.3592	-0.032	0	100.3272
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_8_mica	6	0.048	4.4515	100.3805	-0.0202	-0.0027	100.3576
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_9_mica	1	0.038	4.5277	99.8185	-0.016	0	99.8025
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_9_mica	2	0	4.5286	100.4156	0	0	100.4156
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_9_mica	3	0.125	4.4731	100.3721	-0.0526	0	100.3195
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_9_mica	4	0.077	4.4666	99.8846	-0.0324	0	99.8522
MOSTMEG	P#4	Portugal	CIZ	MP	BG_PT	MT	MTI	MOSTMEG_lvo-P4_9_mica	5	0.001	4.5136	100.1596	-0.0004	0	100.1592
MOSTMEG	P#5	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P5_1_mica	1	0.107	4.4719	100.0665	-0.0451	-0.0018	100.0197
MOSTMEG	P#5	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P5_1_mica	2	0.068	4.429	100.0688	-0.0286	-0.0005	100.0397
MOSTMEG	P#5	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P5_1_mica	3	0.117	4.4183	100.0853	-0.0493	0	100.036
MOSTMEG	P#5	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P5_1_mica	4	0.115	4.432	100.0458	-0.0484	-0.0043	99.9931
MOSTMEG	P#5	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P5_1_mica	5	0.085	4.4036	100.0295	-0.0358	-0.0007	99.9931
MOSTMEG	P#5	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P5_1_mica	6	0.28	4.3441	100.1361	-0.1179	-0.0036	100.0146
MOSTMEG	P#5	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P5_1_mica	7	0.069	4.4754	100.0682	-0.0291	-0.0009	100.0382
MOSTMEG	P#5	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P5_2_mica	1	0	4.5029	99.995	0	-0.0029	99.9921
MOSTMEG	P#5	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P5_2_mica	2	0.107	4.472	100.0309	-0.0451	-0.0009	99.9849
MOSTMEG	P#5	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P5_2_mica	3	0	4.4628	99.9884	0	0	99.9884
MOSTMEG	P#5	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P5_2_mica	4	0.172	4.3896	100.0932	-0.0724	-0.0045	100.0162
MOSTMEG	P#5	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P5_2_mica	5	0.135	4.4043	100.089	-0.0568	0	100.0322
MOSTMEG	P#5	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P5_3_mica	1	0.019	4.5301	99.9806	-0.008	-0.0009	99.9717
MOSTMEG	P#5	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P5_3_mica	2	0.058	4.4786	100.0061	-0.0244	0	99.9817
MOSTMEG	P#5	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P5_3_mica	3	0.114	4.397	100.084	-0.048	-0.002	100.034
MOSTMEG	P#5	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P5_3_mica	4	0	4.5122	100.7142	0	-0.0009	100.7133
MOSTMEG	P#5	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P5_3_mica	5	0.059	4.4404	100.0218	-0.0248	-0.0014	99.9956
MOSTMEG	P#5	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P5_4_mica	1	0.164	4.4519	100.097	-0.0691	0	100.028
MOSTMEG	P#5	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P5_4_mica	2	0.058	4.4429	100.0065	-0.0244	-0.0002	99.9819
MOSTMEG	P#5	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P5_4_mica	3	0.124	4.3824	99.7504	-0.0522	-0.002	99.6961
MOSTMEG	P#5	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P5_4_mica	4	0.042	4.3642	99.0377	-0.0177	-0.0043	99.0157
MOSTMEG	P#5	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P5_5_mica	1	0.116	4.4349	100.0387	-0.0488	-0.0002	99.9896
MOSTMEG	P#5	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P5_5_mica	2	0.018	4.4569	100.0227	-0.0076	-0.0016	100.0135
MOSTMEG	P#5	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P5_5_mica	3	0.019	4.4578	100.0219	-0.008	-0.0027	100.0111
MOSTMEG	P#5	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P5_5_mica	4	0.067	4.4702	100.0271	-0.0282	-0.0005	99.9985
MOSTMEG	P#5	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P5_5_mica	5	0	4.4657	100.0042	0	0	100.0042
MOSTMEG	P#5	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P5_6_mica	1	0.138	4.3562	100.0721	-0.0581	-0.0007	100.0133
MOSTMEG	P#5	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P5_6_mica	2	0.074	4.4139	99.8595	-0.0312	0	99.8283
MOSTMEG	P#5	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P5_6_mica	3	0.125	4.4677	100.061	-0.0526	-0.0047	100.0037
MOSTMEG	P#5	Portugal	CIZ	MP	BG_PT	MT	MTu	MOSTMEG_lvo-P5_6_mica	5	0.049	4.4779	99.8861	-0.0206	0	99.8655
MOSTMEG	R#1	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R#1_2_micas	1	0	4.5896	101.401	0	0	101.401
MOSTMEG	R#1	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R#1_2_micas	2	0.096	4.4864	100.5354	-0.0404	-0.0011	100.4939
MOSTMEG	R#1	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R#1_2_micas	3	0.009	4.5297	100.0299	-0.0038	0	100.0261
MOSTMEG	R#1	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R#1_2_micas	4	0.153	4.4975	100.7767	-0.0644	0	100.7123

Reference	Sample	Country	Location1	Type	id	id2	id3	Group	Point	F	H2O	Total#	O=F	O=Cl	Total
MOSTMEG	R#1	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R#1_3_micas	1	0.104	4.6097	101.8005	-0.0438	0	101.7567
MOSTMEG	R#1	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R#1_3_micas	2	0	4.6814	101.8472	0	0	101.8472
MOSTMEG	R#1	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R#1_3_micas	3	0.036	4.507	100.1261	-0.0152	0	100.1109
MOSTMEG	R#1	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R#1_4_micas	1	0.116	4.5605	100.0692	-0.0488	-0.0023	100.0181
MOSTMEG	R#1	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R#1_4_micas	3	0.059	4.5104	100.0299	-0.0248	-0.0018	100.0032
MOSTMEG	R#1	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R#1_5_micas	1	0	4.5657	99.995	0	-0.0023	99.9927
MOSTMEG	R#1	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R#1_6_mica	1	0.019	4.6204	99.9873	-0.008	0	99.9793
MOSTMEG	R#1	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R#1_6_mica	2	0	4.4934	99.8364	0	-0.0002	99.8361
MOSTMEG	R#1	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R#1_6_mica	3	0.213	4.4328	100.3056	-0.0897	0	100.216
MOSTMEG	R#1	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R#1_7_micas	1	0.133	4.4803	100.0572	-0.056	0	100.0012
MOSTMEG	R#1	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R#1_7_micas	2	0.16	4.4739	101.5136	-0.0674	-0.0027	101.4435
MOSTMEG	R#5	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R#5_1_micas	4	0	4.5343	100.0526	0	-0.0002	100.0523
MOSTMEG	R#5	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R#5_2_micas	1	0.077	4.6043	101.0772	-0.0324	-0.0032	101.0416
MOSTMEG	R#5	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R#5_2_micas	2	0.076	4.6359	101.2399	-0.032	0	101.2079
MOSTMEG	R#5	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R#5_2_micas	3	0	4.5366	100.1217	0	-0.0014	100.1203
MOSTMEG	R#5	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R#5_2_micas	4	0.114	4.4774	100.566	-0.048	0	100.518
MOSTMEG	R#5	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R#5_3_micas	1	0.037	4.5359	100.0224	-0.0156	-0.0007	100.0062
MOSTMEG	R#5	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R#5_3_micas	2	0.076	4.5233	100.0407	-0.032	-0.0025	100.0062
MOSTMEG	R#5	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R#5_3_micas	3	0.143	4.5219	100.6966	-0.0602	0	100.6363
MOSTMEG	R#5	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R#5_3_micas	4	0.085	4.467	100.1886	-0.0358	-0.0009	100.1519
MOSTMEG	R#5	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R#5_3_micas	5	0.181	4.4392	100.2165	-0.0762	-0.0027	100.1376
MOSTMEG	R#5	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R#5_4_micas	1	0.018	4.6458	100.8071	-0.0076	-0.0002	100.7993
MOSTMEG	R#5	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R#5_4_micas	2	0	4.6547	100.4945	0	0	100.4945
MOSTMEG	R#5	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R#5_5_micas	1	0.029	4.6174	100.7658	-0.0122	0	100.7536
MOSTMEG	R#5	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R#5_5_micas	2	0.267	4.5052	100.1589	-0.1124	0	100.0465
MOSTMEG	R#5	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R#5_5_micas	3	0.162	4.4438	100.4498	-0.0682	0	100.3816
MOSTMEG	R#5	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R#5_6_micas	1	0.008	4.5946	100.4113	-0.0034	-0.0014	100.4066
MOSTMEG	R#5	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R#5_6_micas	2	0.036	4.4932	100.115	-0.0152	-0.0023	100.0976
MOSTMEG	R#13	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R13_1_mica	1	0.123	4.4793	100.1444	-0.0518	-0.0025	100.0902
MOSTMEG	R#13	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R13_1_mica	2	0.165	4.4118	100.1739	-0.0695	-0.0002	100.1042
MOSTMEG	R#13	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R13_1_mica	3	0.019	4.4574	99.9746	-0.008	-0.0002	99.9664
MOSTMEG	R#13	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R13_2_mica	1	0.076	4.49	99.9947	-0.032	-0.0034	99.9593
MOSTMEG	R#13	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R13_2_mica	2	0.019	4.4932	100.1602	-0.008	0	100.1522
MOSTMEG	R#13	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R13_2_mica	3	0.009	4.5562	100.5737	-0.0038	-0.0009	100.569
MOSTMEG	R#13	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R13_2_mica	4	0.04	4.5721	101.5065	-0.0168	0	101.4896
MOSTMEG	R#13	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R13_2_mica	5	0.163	4.4699	100.9133	-0.0686	-0.0009	100.8438
MOSTMEG	R#13	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R13_3_mica	1	0.097	4.6047	100.7994	-0.0408	0	100.7586
MOSTMEG	R#13	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R13_3_mica	2	0.087	4.4327	99.6907	-0.0366	-0.0016	99.6525
MOSTMEG	R#13	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R13_3_mica	3	0.038	4.4361	99.5471	-0.016	-0.0023	99.5289
MOSTMEG	R#13	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R13_4_mica	1	0.057	4.5459	100.0077	-0.024	0	99.9837
MOSTMEG	R#13	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R13_5_mica	2	0.039	4.4936	100.018	-0.0164	-0.0018	99.9998
MOSTMEG	R#13	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R13_5_mica	3	0.028	4.5069	99.9411	-0.0118	0	99.9293
MOSTMEG	R#13	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R13_6_mica	1	0.105	4.5026	100.0657	-0.0442	0	100.0215
MOSTMEG	R#13	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R13_6_mica	2	0.097	4.5043	100.0925	-0.0408	-0.0023	100.0494
MOSTMEG	R#13	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R13_6_mica	3	0.107	4.4908	100.0698	-0.0451	-0.0016	100.0231
MOSTMEG	R#13	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R13_7_mica	1	0	4.522	100.3258	0	0	100.3258
MOSTMEG	R#13	Portugal	CIZ	MP	BG_PT	R	Ru	MOSTMEG_lvo-R13_7_mica	2	0	4.6456	99.1944	0	0	99.1944
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_10_mica	1	0.018	4.5457	100.6479	-0.0076	-0.0016	100.6387
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_10_mica	2	0.018	4.4858	100.0568	-0.0076	0	100.0493

Reference	Sample	Country	Location1	Type	id	id2	id3	Group	Point	F	H2O	Total#	O=F	O=Cl	Total
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_10_mica	3	0.046	4.4928	100.5258	-0.0194	-0.0032	100.5033
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_10_mica	4	0.029	4.5221	100.7371	-0.0122	-0.002	100.7229
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_10_mica	5	0.067	4.4501	100.4431	-0.0282	0	100.4149
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_10_plag	4	0.09	4.6616	100.3491	-0.0379	0	100.3113
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_11_bt	1	0.114	3.5945	98.3498	-0.048	-0.0072	98.2946
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_11_mica	1	0.009	4.5461	99.9494	-0.0038	-0.005	99.9406
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_11_mica	2	0.084	4.4644	100.1734	-0.0354	0	100.138
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_11_mica	3	0.13	4.4486	100.2046	-0.0547	0	100.1498
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_11_mica	4	0.027	4.4981	100.0261	-0.0114	0	100.0147
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_11_mica	5	0.104	4.467	99.9392	-0.0438	0	99.8954
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_12_mica	1	0.166	4.4702	101.6575	-0.0699	-0.0034	101.5842
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_12_mica	2	0.017	4.5098	100.6729	-0.0072	-0.0007	100.6651
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_12_mica	3	0.175	4.3866	100.4736	-0.0737	0	100.3999
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_12_mica	4	0.047	4.428	99.604	-0.0198	-0.0029	99.5813
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_12_mica	5	0	4.4954	100.3085	0	-0.0034	100.3051
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_1_bt	1	0.229	3.509	100.115	-0.0964	-0.002	100.0165
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_1_mica	1	0.146	4.5286	102.0299	-0.0615	-0.0009	101.9675
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_1_mica	2	0.113	4.4747	100.3162	-0.0476	-0.0041	100.2645
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_1_mica	4	0.102	4.4319	100.3709	-0.0429	0	100.3279
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_1_mica	5	0	4.4879	99.7299	0	-0.0005	99.7295
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_2_mica	1	0.149	4.5001	100.9558	-0.0627	-0.0018	100.8913
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_2_mica	2	0.121	4.463	100.096	-0.0509	-0.002	100.0431
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_2_mica	3	0	4.529	99.999	0	0	99.999
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_2_mica	4	0.113	4.474	100.258	-0.0476	-0.0027	100.2077
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_2_mica	5	0	4.5092	99.7442	0	-0.0038	99.7403
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_2_mica	6	0.065	4.4491	100.2411	-0.0274	-0.0002	100.2135
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_2_mica	7	0	4.47	100.24	0	-0.0023	100.2378
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_3_mica	1	0	4.5235	100.3815	0	-0.0036	100.3779
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_3_mica	2	0.037	4.4672	100.5022	-0.0156	-0.0027	100.4839
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_3_mica	3	0.037	4.4162	100.6502	-0.0156	-0.0036	100.631
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_3_mica	4	0.065	4.4404	100.1684	-0.0274	-0.0014	100.1396
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_3_mica	5	0.233	4.3324	99.8924	-0.0981	-0.0034	99.7909
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_3_mica	6	0.056	4.4723	99.9153	-0.0236	-0.0011	99.8906
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_3_mica	7	0	4.4859	100.1829	0	0	100.1829
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_3_mica	8	0	4.5206	100.4026	0	-0.0018	100.4008
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_4_bt	1	0.105	3.6627	100.2303	-0.0442	-0.0041	100.182
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_4_bt	2	0.236	3.4267	98.24	-0.0994	0	98.1406
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_4_mica	2	0.17	4.4089	100.0299	-0.0716	-0.0023	99.956
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_4_mica	3	0.073	4.5248	101.1434	-0.0307	-0.0034	101.1092
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_4_mica	4	0	4.5102	99.9322	0	0	99.9322
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_4_mica	5	0.076	4.4209	99.982	-0.032	-0.0034	99.9466
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_5_bt	1	0.255	3.5894	98.3174	-0.1074	-0.0016	98.2085
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_5_bt	3	0.222	3.6985	100.2895	-0.0935	-0.0047	100.1913
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_5_mica	1	0.076	4.517	99.9831	-0.032	0	99.9511
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_5_mica	2	0.169	4.4209	99.9249	-0.0712	0	99.8537
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_5_mica	3	0.148	4.4111	100.1581	-0.0623	-0.0023	100.0935
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_5_mica	5	0.11	4.3749	99.9199	-0.0463	-0.0014	99.8722
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_6_bt	4	0.171	3.5225	98.3224	-0.072	-0.0041	98.2463
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_6_bt	5	0.113	3.5558	98.412	-0.0476	-0.0061	98.3584

Reference	Sample	Country	Location1	Type	id	id2	id3	Group	Point	F	H2O	Total#	O=F	O=Cl	Total
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_6_mica	1	0.008	4.5453	100.5923	-0.0034	-0.0029	100.586
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_6_mica	2	0.039	4.6283	100.097	-0.0164	-0.0018	100.0787
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_6_mica	3	0.131	4.4011	99.7231	-0.0552	-0.0034	99.6645
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_6_mica	7	0	4.5256	99.9148	0	0	99.9148
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_6_mica	8	0	4.5728	99.9728	0	-0.0059	99.9669
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_6_mica	9	0.057	4.4711	99.8541	-0.024	-0.0014	99.8288
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_7_bt	1	0.258	3.4704	98.9178	-0.1086	-0.0016	98.8076
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_7_mica	1	0.028	4.5525	100.7242	-0.0118	-0.0005	100.7119
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_7_mica	2	0.112	4.4313	100.3253	-0.0472	0	100.2781
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_7_mica	3	0.158	4.3626	99.6566	-0.0665	-0.0029	99.5872
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_7_mica	4	0.14	4.3921	99.8671	-0.059	-0.0032	99.805
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_7_mica	5	0.066	4.7303	101.7915	-0.0278	-0.0034	101.7604
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_8_bt	2	0.182	3.5187	98.1572	-0.0766	-0.0052	98.0754
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_8_mica	1	0	4.5552	100.491	0	-0.0009	100.4901
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_8_mica	2	0.01	4.4639	100.0115	-0.0042	-0.005	100.0023
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_8_mica	3	0.076	4.4499	99.9586	-0.032	-0.0077	99.919
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_8_mica	4	0	4.4931	99.9909	0	-0.0052	99.9857
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_8_mica	5	0.001	4.5114	99.9847	-0.0004	-0.0005	99.9838
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_9_mica	1	0.056	4.5111	100.7306	-0.0236	-0.0016	100.7054
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_9_mica	2	0	4.5181	100.3421	0	0	100.3421
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_9_mica	3	0.063	4.3495	99.9801	-0.0265	-0.0244	99.9292
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_9_mica	4	0	4.5509	100.226	0	-0.0025	100.2235
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_9_mica	6	0.122	4.4429	100.4528	-0.0514	-0.0027	100.3987
MOSTMEG	ZEB-CONT#1	Portugal	CIZ	XM	BG_PT	MT	MTu	MOSTMEG_lvo-ZCONT1_9_mica	7	0	4.475	99.856	0	-0.002	99.854