

**Table S1. EPMA data for wolframite.**

Mount_Sample_Grain-Analysis	WO3(wt.%)	FeO	MnO	TiO2	UO2	Nb2O5	SnO2	Sb2O5	Total	N	XFe = Fe/(Fe+Mn) mol%	Comments
<b>Session-240815</b>												
A6954_24MHP12B_1-1r	75.224	4.78	19.59	0	0	0.114	0	0.032	99.74		0.194	
A6954_24MHP12B_1-2c	74.868	4.693	19.542	0	0	0.114	0.003	0	99.22		0.192	
A6954_24MHP12B_2	75.569	3.539	20.631	0	0	0.11	0	0	99.849		0.145	
A6954_24MHP12B_4-1r	75.357	3.355	20.859	0	0	0.185	0.002	0	99.758		0.137	
A6954_24MHP12B_4-2c	75.434	3.61	20.578	0	0	0.291	0.007	0.016	99.936		0.148	
A6954_24MHP12B_5c	75.044	4.314	20.032	0	0	0.114	0	0	99.504		0.175	
A6954_24MHP12B_6c	74.759	4.623	19.522	0	0	0.287	0.006	0.002	99.199		0.190	
A6954_24MHP12B_7c	74.847	4.06	20.214	0	0	0.072	0.014	0	99.207		0.165	
A6954_24MHP12B_9	75.471	4.456	20.182	0	0	0.173	0.022	0	100.304		0.179	
A6954_24MHP12B_10	75.156	3.503	20.773	0	0	0.194	0.014	0	99.64		0.143	
A6954_24MHP12B_11	74.953	3.919	20.361	0	0	0.164	0	0	99.397		0.160	
A6954_24MHP12B_19-1r	75.183	3.575	20.723	0	0	0.219	0	0	99.7		0.146	
A6954_24MHP12B_19-2c	74.781	4.965	19.272	0	0	0.152	0	0	99.17		0.203	
A6954_24MHP12B_20	74.386	4.577	19.771	0	0	0.253	0	0.005	98.992		0.186	
A6954_24MHP12B_22-2r	75.125	4.205	20.034	0	0	0.093	0	0	99.457		0.172	
A6954_24MHP12B_23r	74.941	3.141	21.061	0	0	0.127	0.035	0	99.305		0.128	
A6954_24MHP12B_24-1r	74.278	3.424	20.909	0	0	0.139	0	0.044	98.794		0.139	
A6954_24MHP12B_24-2c	75.077	3.394	20.852	0	0	0.206	0	0	99.529		0.138	
A6954_24MHP12B_25r	74.966	3.849	20.427	0	0	0.109	0	0.007	99.358		0.157	
A6954_24MHP12B_27-1r	74.616	4.551	19.933	0	0	0.034	0	0	99.134		0.184	
A6954_24MHP12B_27-2c	74.351	3.071	21.276	0	0	0.281	0	0.014	98.993		0.125	
BF163_24MHP12B_W1	75.067	4.675	19.593	0	0	0.096	0	0	99.431		0.191	
BF163_24MHP12B_W2	75.305	3.647	20.659	0	0	0.071	0	0	99.682		0.148	
BF163_24MHP12B_W3	75.303	3.895	20.662	0	0	0.138	0	0	99.998		0.157	
BF163_24MHP12B_W4	75.183	3.802	20.34	0	0	0.142	0.001	0	99.468		0.156	
BF164_24MHP12B_WO11	75.58	3.443	20.807	0	0	0.297	0	0	100.127		0.140	
BF164_24MHP12B_WO12	75.167	5.094	19.245	0	0	0.075	0.036	0	99.617		0.207	

BF164_24MHP12B_WOI3	75.963	5.024	19.254	0	0	0.172	0.02	0.004	100.437	0.205
BF164_24MHP12B_WOI4	75.488	3.613	20.932	0	0	0.163	0	0	100.196	0.146
S3382_24MHP12B_w1	75.075	4.731	19.442	0	0	0.142	0	0	99.39	0.194
S3382_24MHP12B_w2	75.211	5.158	19.208	0	0	0.162	0	0	99.739	0.210
S3382_24MHP12B_w3	75.291	3.835	20.471	0	0	0.154	0	0	99.751	0.156
S3382_24MHP12B_w4	75.426	3.214	20.918	0	0	0.194	0.025	0.002	99.779	0.132
S3382_24MHP12B_w5	75.442	5.435	19.004	0	0	0.149	0	0	100.03	0.220
S3382_24MHP12B_w6	75.701	5.448	18.806	0	0	0.121	0	0	100.076	0.222
S3382_24MHP12B_w7	75.259	4.588	19.798	0	0	0.149	0.005	0.019	99.818	0.186
S3382_24MHP12B_w8	75.248	5.05	19.419	0	0	0.206	0	0	99.923	0.204
S3382_24MHP12B_w9	76.067	2.986	21.431	0	0	0.089	0	0	100.573	0.121
S3382_24MHP12B_w10	75.719	4.766	19.846	0	0	0.177	0	0	100.508	0.192
S3382_24MHP12B_w11	75.535	3.715	20.482	0	0	0.258	0	0	99.99	0.152
S3382_24MHP12B_w12	75.14	3.668	20.652	0	0	0.245	0	0	99.705	0.149
<del>S3382_24MHP12B_w13</del>	<del>75.37</del>	<del>11.816</del>	<del>12.629</del>	<del>0</del>	<del>0</del>	<del>0.133</del>	<del>0</del>	<del>0</del>	<del>99.948</del>	0.480 outlier; rejected
S3382_24MHP12B_w14	75.169	3.737	20.56	0	0	0.06	0.018	0	99.544	0.152
S3382_24MHP12B_w15	75.805	4.373	19.815	0	0	0.197	0	0.011	100.201	0.179
S3382_24MHP12B_w16	75.807	5.292	19.019	0	0	0.157	0	0.004	100.279	0.216
S3382_24MHP12B_w17	73.923	4.369	20.117	0	0	0.184	0	0	98.593	0.177
S3382_24MHP12B_w18	75.245	3.734	20.638	0	0	0.124	0	0.014	99.755	0.152
S3382_24MHP12B_w19	75.663	3.807	20.222	0	0	0.04	0.019	0	99.751	0.157
S3382_24MHP12B_w21	75.094	7.207	16.787	0	0	0.105	0	0	99.193	0.298
S3382_24MHP12B_w22	75.934	4.582	19.854	0	0	0.137	0	0	100.507	0.186
24MHP12B (average, n=49 out of 50)	75.21	4.21	20.09			0.16				0.17
%RSD	0.58	18.98	4.03			41.65				19.11
A6954_23DHT-24J_w1-1r	75.084	20.614	3.621	0	0	0.038	0.004	0	99.361	0.849
A6954_23DHT-24J_1-2c	74.946	21.255	2.616	0	0.114	0	0.004	0	98.935	0.889
A6954_23DHT-24J_3r	74.575	21.576	2.456	0	0	0.013	0.011	0	98.631	0.897
A6954_23DHT-24J_4r	75.19	21.562	2.487	0.014	0.027	0	0	0.002	99.282	0.895
A6954_23DHT-24J_7-1r	75.04	21.509	2.459	0	0	0.042	0.02	0	99.07	0.896
A6954_23DHT-24J_7-2c	74.911	21.374	2.47	0	0.038	0	0	0	98.793	0.895
A6954_23DHT-24J_8-1r	75.184	21.589	2.632	0	0	0	0	0.004	99.409	0.890
A6954_23DHT-24J_8-2c	75.028	21.439	2.643	0	0	0.059	0.021	0.014	99.204	0.889

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A6954_23DHT-24J_9-1r	75.629	21.46	2.63	0.023	0	0	0	0.019	99.761	0.890
A6954_23DHT-24J_12-1r	74.971	21.615	2.304	0	0	0	0.012	0.01	98.912	0.903
A6954_23DHT-24J_12-2c	75.663	21.48	2.645	0	0.014	0.129	0	0.004	99.935	0.889
A6954_23DHT-24J_15-1r	75.379	21.622	2.382	0	0	0.083	0	0	99.466	0.900
A6954_23DHT-24J_16-1r	75.287	19.737	4.418	0	0	0.054	0.021	0	99.517	0.815
A6954_23DHT-24J_21	75.184	21.338	2.354	0.011	0.056	0.104	0.016	0.021	99.084	0.899
A6954_23DHT-24J_24-1r	74.493	21.494	2.518	0	0	0.075	0	0	98.58	0.894
A6954_23DHT-24J_25-1r	75.647	21.234	2.792	0	0	0.054	0.004	0.037	99.768	0.882
A6954_23DHT-24J_26-1r	75.127	22.477	1.741	0.019	0.034	0	0	0	99.398	0.927
A6954_23DHT-24J_26-2c	75.048	22.709	1.193	0.206	0	0.066	0.023	0	99.245	0.949
A6954_23DHT-24J_28-1r	75.336	21.257	2.587	0	0	0.133	0.007	0	99.32	0.890
A6954_23DHT-24J_30-1c	75.363	21.128	2.61	0	0	0	0.006	0.065	99.172	0.889
BF163_23DHT24J_W1	74.957	21.898	2.2	0	0	0.034	0	0	99.089	0.908
BF163_23DHT24J_W2	74.887	21.378	2.603	0	0	0	0	0.007	98.875	0.890
BF163_23DHT24J_W3	74.607	21.367	2.506	0	0.044	0	0.01	0	98.534	0.894
BF163_23DHT24J_W4	75.025	21.676	2.453	0	0.046	0	0	0	99.2	0.897
23DHT24J (average, n=24)	75.11	21.45	2.56			0.04				0.89
%RSD	0.41	2.55	22.38			117.80				2.66
BF163_24MHP43_w1	75.344	14.21	9.804	0	0	0.068	0	0.02	99.446	0.589
BF163_24MHP43_w2	75.105	16.082	7.686	0	0	0	0	0	98.873	0.674
BF163_24MHP43_w3	75.279	13.187	10.252	0	0	0.013	0	0	98.731	0.559
BF163_24MHP43_w4	74.926	15.274	8.805	0	0	0.059	0.003	0	99.067	0.631
BF163_24MHP43_w5	75.892	13.299	10.497	0	0	0.047	0.007	0	99.742	0.556
BF163_24MHP43_w6	75.006	14.619	9.415	0	0	0.076	0.02	0.012	99.148	0.605
BF163_24MHP43_w7	75.584	16.651	7.162	0	0	0	0	0	99.397	0.697
BF163_24MHP43_w9	75.412	15.437	8.552	0	0	0.119	0.012	0	99.532	0.641
BF163_24MHP43_w10	75.116	14.904	8.912	0	0.014	0	0.005	0	98.951	0.623
BF163_24MHP43_w11	75.196	12.929	10.682	0	0	0.051	0.018	0	98.876	0.544
BF163_24MHP43_w12	75.351	14.932	8.815	0	0	0	0	0	99.098	0.626
BF163_24MHP43_w13	76.167	13.024	10.529	0	0	0.03	0	0	99.75	0.550
BF163_24MHP43_w14	74.932	14.042	9.983	0	0	0.047	0	0	99.004	0.581
BF163_24MHP43_w22	75.715	13.719	9.786	0	0	0.199	0	0.019	99.438	0.581
BF163_24MHP43_w23	75.258	16.153	7.979	0	0	0.106	0	0.015	99.511	0.667
BF163_24MHP43_w24	75.427	15.122	8.529	0	0.008	0.178	0.02	0	99.284	0.636

BF163_24MHP43_w26	74.953	15.406	8.596	0	0.031	0.059	0.023	0	99.068	0.639
BF163_24MHP43_w27-1	75.39	13.963	9.833	0	0	0.072	0	0	99.258	0.584
BF163_24MHP43_w27-2	74.632	12.785	10.841	0	0	0.034	0	0.006	98.298	0.538
BF163_24MHP43_w29-1	74.548	16.87	6.717	0	0	0.072	0.01	0.013	98.23	0.713
BF163_24MHP43_w29-2	75.667	15.658	8.565	0	0	0.004	0.003	0.051	99.948	0.644
BF163_24MHP43_w30	75.328	12.813	10.944	0	0	0	0.009	0	99.094	0.536
BF163_24MHP43_w31	75.599	14.843	8.846	0	0	0.055	0	0	99.343	0.624
BF164_24MHP43_WOI1	76.602	15.982	7.98	0	0	0.093	0	0	100.657	0.664
BF164_24MHP43_WOI2	75.693	12.79	10.902	0	0	0.089	0.016	0	99.49	0.537
BF164_24MHP43_WOI3	74.784	13.579	10.008	0	0	0.038	0.013	0	98.422	0.573
BF164_24MHP43_WOI4	75.098	16.004	7.681	0	0	0.025	0.054	0	98.862	0.673
BF164_24MHP43_WOI5	74.944	17.35	6.707	0	0	0.017	0	0.008	99.026	0.719
BF164_24MHP43_WOI7	75.292	14.389	9.076	0.011	0	0	0.003	0	98.771	0.610
BF164_24MHP43_WOI8	75.541	12.369	11.493	0	0	0.063	0.028	0	99.494	0.515
BF164_24MHP43_WOI9	74.663	14.841	8.606	0	0	0.034	0	0	98.144	0.630
BF164_24MHP43_WOI10	75.233	11.456	12.196	0	0	0.11	0	0	98.995	0.481
BF164_24MHP43_WOI12	74.426	13.732	9.838	0	0	0.013	0.022	0	98.031	0.580
BF164_24MHP43_WOI13	75.44	14.447	9.679	0	0	0	0.018	0	99.584	0.596
BF164_24MHP43_WOI14	75.342	13.652	10.136	0	0	0.051	0.019	0	99.2	0.571
BF164_24MHP43_WOI16	75.37	14.172	9.884	0	0	0.03	0	0	99.456	0.586
BF164_24MHP43_WOI25	75.359	15.508	8.578	0	0	0	0.014	0	99.459	0.641
BF164_24MHP43_WOI26	75.863	14.573	9.014	0	0	0.008	0.013	0.002	99.473	0.615
BF164_24MHP43_WOI30	74.887	15.962	8.143	0	0	0	0.012	0	99.004	0.659
BF164_24MHP43_WOI31	74.728	14.097	9.706	0	0	0.11	0	0	98.641	0.589
BF164_24MHP43_WOI32	75.094	14.923	9.182	0	0	0	0	0	99.199	0.616
BF164_24MHP43_WOI33	74.207	15.341	8.571	0	0.011	0	0	0	98.13	0.639
BF164_24MHP43_WOI36bb	75.64	13.141	10.839	0	0	0.084	0	0	99.704	0.545
24MHP43 (average, n=43)	75.26	14.52	9.30			0.05				0.61
%RSD	0.61	9.05	13.38			100.93				8.81

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Comment WO3 FeO MnO TiO2 UO2 Nb2O5 SnO2 Sb2O5 Total

BF183_24MHP12B_wrm1-1	74.663	5.058	19.269	0	0	0.14	0	0	99.13	0.206
BF183_24MHP12B_wrm1-2	75.35	5.262	19.256	0	0	0.189	0	0.02	100.077	0.212
BF183_24MHP12B_wrm2	75.64	4.813	19.585	0	0	0.201	0.011	0.034	100.284	0.195
BF183_24MHP12B_wrm3	75.036	4.494	19.933	0	0	0.238	0.001	0	99.702	0.182
BF183_24MHP12B_wrm4	74.932	4.053	20.429	0	0	0.176	0.018	0.037	99.645	0.164
BF183_24MHP12B_wrm5	75.294	4.608	19.702	0	0	0.244	0	0	99.848	0.188
BF183_24MHP12B_wrm6	75.16	3.693	20.692	0	0	0.122	0	0	99.667	0.150
BF183_24MHP12B_wrm7	75.521	4.44	19.827	0	0	0.236	0	0	100.024	0.181
BF183_24MHP12B_wrm8	75.351	3.459	20.63	0	0	0.135	0.005	0.003	99.583	0.142
BF183_24MHP12B_wrm9	75.129	4.596	19.978	0	0	0.08	0	0.014	99.797	0.185
BF184_24MHP12B_wrm1-1	74.665	4.268	19.901	0	0	0.142	0	0	98.976	0.175
BF184_24MHP12B_wrm2	75.486	4.927	19.32	0	0	0.105	0	0.011	99.849	0.201
BF184_24MHP12B_wrm6	75.647	3.408	20.954	0	0	0.147	0.005	0.001	100.162	0.138
BF184_24MHP12B_wrm7	75.846	4.309	20.245	0	0	0.138	0.005	0	100.543	0.174
BF184_24MHP12B_wrm8	75.105	3.86	20.539	0	0	0.197	0	0	99.701	0.157
BF184_24MHP12B_wrm10	75.465	5.109	18.66	0	0	0.046	0.041	0	99.321	0.213
BF184_24MHP12B_wrm12	74.589	3.406	20.904	0	0	0.325	0	0.023	99.247	0.139
BF184_24MHP12B_wrm15	75.173	3.061	21.025	0	0	0.029	0.022	0.008	99.318	0.126
BF184_24MHP12B_wrm16	75.549	3.565	20.654	0	0	0.166	0	0	99.934	0.146
BF184_24MHP12B_wrm20	75.542	4.699	19.498	0	0	0.141	0	0	99.88	0.192
BF184_24MHP12B_wrm23	75.62	4.357	19.88	0	0	0.166	0	0.028	100.051	0.178
BF184_24MHP12B_wrm26	75.55	4.813	19.524	0	0	0	0	0	99.887	0.196
BF184_24MHP12B_wrm35	75.501	4.356	19.829	0	0	0.177	0	0.039	99.902	0.178
BF184_24MHP12B_wrm38	75.799	4.637	19.764	0	0	0.181	0	0.04	100.421	0.188
BF184_24MHP12B_wrm39	75.37	4.583	19.873	0	0	0.201	0	0	100.027	0.185
BF184_24MHP12B_wrm42	75.274	4.611	19.842	0	0	0.094	0	0	99.821	0.187
BF184_24MHP12B_wrm45	75.146	4.194	20.106	0	0	0.196	0	0	99.642	0.171
<del>BF186_24MHP12B_wrm1</del>	<del>75.262</del>	<del>4.966</del>	<del>12.247</del>	<del>0</del>	<del>0</del>	<del>0.143</del>	<del>0.001</del>	<del>0.013</del>	<del>99.632</del>	0.491 outlier; rejected
BF186_24MHP12B_wrm2	75.44	4.503	19.853	0	0	0.097	0	0	99.893	0.183
BF186_24MHP12B_wrm3	74.474	4.575	19.602	0	0	0.197	0	0	98.848	0.187
BF186_24MHP12B_wrm4	75.085	3.746	20.705	0	0	0.12	0	0.009	99.665	0.152
BF186_24MHP12B_wrm5	75.794	3.825	20.417	0	0	0.301	0.04	0	100.377	0.156
BF186_24MHP12B_wrm6	75.233	3.718	20.77	0	0	0.136	0	0	99.857	0.150

BF188_24MHP12B_1SW_wrm1	75.18	4.708	19.787	0	0	0.21	0	0	99.885	0.190	
BF188_24MHP12B_1_wrm2	75.061	4.299	19.889	0	0	0.202	0	0.023	99.474	0.176	
BF188_24MHP12B_1_wrm3	75.561	3.464	20.828	0	0	0.139	0	0	99.992	0.141	
BF188_24MHP12B_1_wrm4	76.037	4.651	19.614	0	0	0.088	0	0	100.39	0.190	
BF188_24MHP12B_1_wrm5	75.214	4.299	20.017	0	0	0.118	0	0.026	99.674	0.175	
BF188_24MHP12B_1_wrm6	75.624	4.396	20.016	0	0	0.214	0.022	0.019	100.291	0.178	
BF188_24MHP12B_1_wrm7	75.658	3.397	20.823	0.001	0	0.168	0	0.006	100.053	0.139	
BF188_24MHP12B_2C_wrm1	75.343	4.828	19.659	0	0	0.101	0	0.021	99.952	0.195	
BF188_24MHP12B_2C_wrm2	75.119	4.455	19.817	0	0	0.256	0	0	99.647	0.182	
<del>BF188_24MHP12B_2C_wrm3</del>	<del>74.422</del>	<del>11.348</del>	<del>12.982</del>	<del>0</del>	<del>0</del>	<del>0.198</del>	<del>0.008</del>	<del>0</del>	<del>98.958</del>	0.463	outlier; rejected
BF188_24MHP12B_2C_wrm4	75.071	3.699	20.582	0	0	0.172	0.026	0	99.55	0.151	
BF188_24MHP12B_2C_wrm5	75.505	3.905	20.635	0	0	0.151	0	0	100.196	0.157	
BF188_24MHP12B_2C_wrm6	75.672	5.292	19.116	0	0	0.235	0	0	100.315	0.215	
BF188_24MHP12B_2C_wrm7	75.807	3.811	20.699	0	0	0.109	0	0	100.426	0.154	
BF188_24MHP12B_2C_wrm8	75.599	4.359	19.922	0	0	0.235	0.036	0	100.151	0.178	
BF188_24MHP12B_2C_wrm9	75.601	3.59	20.601	0	0	0.202	0.005	0.006	100.005	0.147	
BF189_24MHP12B_1c_wrm1	75.885	3.696	20.675	0	0	0.198	0	0	100.454	0.150	
BF189_24MHP12B_1c_wrm2	75.584	3.304	20.94	0	0	0.172	0	0.009	100.009	0.135	
BF189_24MHP12B_1c_wrm3	75.902	3.297	21.061	0	0	0.151	0	0	100.411	0.134	
BF189_24MHP12B_1c_wrm4	75.574	3.631	20.665	0	0	0.109	0	0.025	100.004	0.148	
BF189_24MHP12B_1c_wrm5	75.769	4.344	20.086	0	0	0.097	0	0.001	100.297	0.176	
BF189_24MHP12B_1c_wrm6	76.024	2.514	21.897	0	0	0	0	0	100.435	0.102	
BF189_24MHP12B_1c_wrm7	74.67	4.365	19.968	0	0	0.176	0	0	99.179	0.178	
BF189_24MHP12B_1c_wrm8	75.737	4.803	19.547	0	0	0.264	0.007	0	100.358	0.195	
BF189_24MHP12B_1c_wrm9	74.849	4.26	20.131	0	0	0.155	0	0	99.395	0.173	
BF189_24MHP12B_2se_wrm1	75.558	3.658	20.716	0	0	0.218	0	0.014	100.164	0.148	
BF189_24MHP12B_2se_wrm2	75.205	3.664	20.764	0	0	0.034	0	0.012	99.679	0.148	
BF189_24MHP12B_2se_wrm3	75.298	2.804	21.306	0	0	0.155	0	0	99.563	0.115	
BF189_24MHP12B_2se_wrm4	75.107	4.983	19.442	0	0	0.197	0	0	99.729	0.202	
<del>BF189_24MHP12B_2se_wrm5</del>	<del>76.242</del>	<del>7.518</del>	<del>16.923</del>	<del>0</del>	<del>0</del>	<del>0.198</del>	<del>0.005</del>	<del>0</del>	<del>100.886</del>	0.305	outlier; rejected
BF189_24MHP12B_2se_wrm6	75.762	4.32	19.72	0	0	0.172	0.005	0	99.979	0.178	
BF189_24MHP12B_2se_wrm7	75.681	5.831	18.519	0	0	0.029	0	0.013	100.073	0.237	
BF189_24MHP12B_2se_wrm8	74.911	3.743	20.953	0	0	0.105	0	0.042	99.754	0.150	
BF189_24MHP12B_2se_wrm9	74.698	5	19.166	0	0	0.134	0	0.027	99.025	0.205	
<del>BF191_24MHP12B_wrm1</del>	<del>75.868</del>	<del>12.118</del>	<del>12.057</del>	<del>0</del>	<del>0</del>	<del>0.144</del>	<del>0</del>	<del>0.014</del>	<del>100.201</del>	0.498	outlier; rejected

BF191_24MHP12B_wrm3	75.42	3.64	20.632	0	0	0.156	0	0.057	99.905	0.148
BF191_24MHP12B_wrm9	76.159	4.421	19.989	0	0	0.244	0.019	0.013	100.845	0.179
BF191_24MHP12B_wrm10	75.393	4.546	19.573	0	0	0.084	0.001	0	99.597	0.187
BF191_24MHP12B_wrm12	75.688	3.959	20.408	0	0	0.105	0.036	0	100.196	0.161
<del>BF191_24MHP12B_wrm13</del>	<del>75.398</del>	<del>8.836</del>	<del>15.272</del>	<del>0</del>	<del>0</del>	<del>0.143</del>	<del>0</del>	<del>0</del>	<del>99.649</del>	0.364 outlier; rejected
BF197_24MHP12B_wrm1	75.362	4.813	19.673	0	0	0.088	0	0	99.936	0.195
BF197_24MHP12B_wrm2	76.29	4.445	20.027	0	0	0.156	0	0	100.918	0.180
BF197_24MHP12B_wrm3	77.136	3.563	21.301	0	0	0.311	0.003	0	102.314	0.142
BF197_24MHP12B_wrm4	76.676	3.611	21.176	0	0	0.118	0	0.008	101.589	0.144
BF197_24MHP12B_wrm5	75.929	3.546	20.739	0	0	0.071	0	0.004	100.289	0.144
BF197_24MHP12B_wrm6	75.221	4.406	19.794	0	0	0.234	0	0.025	99.68	0.180
BF197_24MHP12B_wrm7	75.094	2.821	21.775	0.006	0	0.142	0.009	0	99.847	0.113
BF197_24MHP12B_wrm8	74.543	4.217	19.848	0	0	0.125	0	0	98.733	0.173
BF197_24MHP12B_wrm9	76.069	3.281	21.135	0	0	0.171	0.021	0	100.677	0.133
24MHP12B (average, n=77 out of 82)	75.44	4.15	20.19			0.16				0.17
%RSD	0.61	15.41	3.33			43.06				15.51
BF183_23DHT24J_wrm1	74.189	21.573	2.572	0.032	0.086	0.004	0	0.008	98.464	0.892
BF183_23DHT24J_wrm2	76.127	20.806	3.154	0	0	0.004	0	0	100.091	0.867
BF183_23DHT24J_wrm3	74.945	21.228	2.952	0	0	0.128	0	0	99.253	0.877
BF183_23DHT24J_wrm4	75.097	21.55	2.515	0	0	0	0	0	99.162	0.894
BF183_23DHT24J_wrm5	74.843	21.291	2.704	0	0	0.034	0.031	0	98.903	0.886
BF183_23DHT24J_wrm6	75.303	21.287	2.646	0	0.011	0.072	0	0	99.319	0.888
BF183_23DHT24J_wrm7	75.15	21.28	2.62	0	0.007	0	0.014	0	99.071	0.889
BF183_23DHT24J_wrm8	75.301	21.48	2.681	0	0	0	0	0.014	99.476	0.888
BF183_23DHT24J_wrm9	75.577	21.429	2.673	0.037	0.022	0.03	0	0.029	99.797	0.888
BF183_23DHT24J_wrm10	75.048	21.11	2.836	0	0.003	0	0	0	98.997	0.880
BF183_23DHT24J_wrm11	75.67	21.155	2.744	0.05	0.072	0.064	0	0	99.755	0.884
BF184_23DHT24J_wrm1-1	75.52	21.009	3.162	0	0	0	0.003	0	99.694	0.868
BF184_23DHT24J_wrm3	75.202	21.389	2.87	0	0.014	0	0	0	99.475	0.880
BF184_23DHT24J_wrm4	74.676	21.101	2.927	0	0.02	0	0.022	0	98.746	0.877
BF184_23DHT24J_wrm7	75.102	21.736	2.25	0	0	0	0	0	99.088	0.905
BF184_23DHT24J_wrm9	75.069	21.376	2.521	0.034	0.016	0	0	0	99.016	0.893
BF184_23DHT24J_wrm10	75.581	21.251	3.038	0	0.042	0	0	0.005	99.917	0.874

BF184_23DHT24J_wrm11	75.717	21.527	2.509	0.022	0	0	0	0	99.775	0.894
BF184_23DHT24J_wrm12	75.895	21.349	2.652	0	0.045	0.086	0	0	100.027	0.888
BF184_23DHT24J_wrm13	74.77	21.526	2.557	0	0.093	0	0	0	98.946	0.893
BF184_23DHT24J_wrm14	75.869	21.334	2.686	0	0.009	0.151	0	0.015	100.064	0.887
BF184_23DHT24J_wrm15	75.26	20.719	3.223	0	0	0.069	0	0	99.271	0.864
BF184_23DHT24J_wrm17	75.965	21.454	2.511	0	0	0	0	0	99.93	0.894
BF184_23DHT24J_wrm18	75.547	21.511	2.532	0.05	0	0.037	0	0	99.677	0.893
BF184_23DHT24J_wrm19	75.31	21.09	3.042	0	0	0.073	0	0	99.515	0.873
BF186_23DHT24J_wrm1	75.489	21.51	2.502	0	0	0	0.02	0	99.521	0.895
BF186_23DHT24J_wrm2	75.905	21.46	2.682	0	0	0	0	0	100.047	0.888
BF186_23DHT24J_wrm3	74.912	21.297	2.698	0.012	0	0.048	0.001	0	98.968	0.886
BF186_23DHT24J_wrm4	75.051	21.176	2.837	0	0	0	0.015	0.001	99.08	0.881
BF186_23DHT24J_wrm5	75.61	21.55	2.397	0	0	0	0.008	0	99.565	0.899
BF186_23DHT24J_wrm6	75.215	21.543	2.592	0	0	0.06	0.016	0	99.426	0.891
BF186_23DHT24J_wrm7	75.583	21.76	2.354	0	0	0.048	0	0.006	99.751	0.901
BF186_23DHT24J_wrm8	74.308	21.06	2.772	0	0	0.04	0	0	98.18	0.882
BF186_23DHT24J_wrm9	75.089	21.6	2.426	0	0	0	0	0	99.115	0.898
BF188_23DHT24J_1SW_wrm1	75.807	21.501	2.613	0	0	0	0.023	0	99.944	0.890
BF188_23DHT24J_1_wrm2	75.69	21.193	2.948	0.021	0	0.026	0.003	0	99.881	0.877
BF189_23DHT24J_1c_wrm1	76.012	21.862	2.415	0	0.076	0.055	0	0	100.42	0.899
BF189_23DHT24J_1c_wrm2	75.27	21.374	2.927	0.017	0	0.051	0.016	0	99.655	0.878
BF189_23DHT24J_2se_wrm1	75.169	21.396	2.611	0	0	0.064	0	0	99.24	0.890
BF189_23DHT24J_2se_wrm2	75.336	21.65	2.383	0	0	0	0	0	99.369	0.900
BF191_23DHT24J_wrm1	75.347	21.325	2.641	0	0.067	0	0.001	0	99.381	0.889
BF191_23DHT24J_wrm2-1	75.195	21.224	2.504	0	0	0	0.009	0	98.932	0.893
BF191_23DHT24J_wrm2-2	75.782	21.444	2.576	0	0.055	0.096	0.056	0.021	100.03	0.892
BF191_23DHT24J_wrm3-1	75.432	19.893	4.169	0	0	0.096	0	0.014	99.604	0.825
BF191_23DHT24J_wrm3-2	76.121	21.417	2.781	0	0	0.1	0.032	0.015	100.466	0.884
BF197_23DHT24J_wrm1-1	75.993	21.016	2.722	0	0.01	0	0.005	0.004	99.75	0.884
BF197_23DHT24J_wrm1-2	76.008	21.247	2.77	0	0	0	0.016	0	100.041	0.883
BF197_23DHT24J_wrm2	75.419	21.416	2.441	0	0	0	0.028	0.011	99.315	0.897
23DHT24J (average, n=48)	75.38	21.32	2.72			0.03				0.886
%RSD	0.59	1.46	11.35			133.60				1.45
BF184_24MHP212A1_wrm1-1	75.344	5.215	19.059	0	0	0.219	0	0	99.837	0.213

Table S1

BF184_24MHP212A1_wrm1-2	75.529	5.453	19.159	0	0	0.228	0	0	100.369	0.219
BF184_24MHP212A1_wrm1-3	75.452	5.196	19.245	0	0	0.248	0.029	0	100.17	0.210
BF184_24MHP212A1_wrm2-1	74.885	5.082	19.43	0	0	0.228	0	0	99.625	0.205
BF184_24MHP212A1_wrm2-2	75.229	5.211	19.17	0	0	0.179	0	0	99.789	0.212
BF184_24MHP212A1_wrm2-3	74.482	5.23	19.345	0	0	0.284	0	0	99.341	0.211
BF184_24MHP212A1_wrm3-1	75.053	6.8	17.436	0	0	0.195	0	0	99.484	0.278
BF184_24MHP212A1_wrm3-2	75.246	6.062	18.146	0	0	0.134	0	0.024	99.612	0.248
BF184_24MHP212A1_wrm4-1	75.304	5.065	19.242	0	0	0.317	0	0	99.928	0.206
BF184_24MHP212A1_wrm4-2	74.681	5.145	19.374	0	0	0.413	0	0	99.613	0.208
BF184_24MHP212A1_wrm4-3	75.287	5.185	19.382	0	0	0.255	0	0	100.109	0.209
BF184_24MHP212A1_wrm5-1	75.818	6.707	17.634	0	0	0.305	0.001	0	100.465	0.273
BF184_24MHP212A1_wrm5-2	75.493	5.798	18.522	0	0	0.239	0.027	0	100.079	0.236
BF184_24MHP212A1_wrm5-3	74.734	6.175	18.165	0	0	0.542	0.013	0	99.629	0.251
BF184_24MHP212A1_wrm5-4	75.292	5.971	18.482	0	0	0.223	0	0	99.968	0.242
BF184_24MHP212A1_wrm5-5	74.804	5.997	18.361	0	0	0.336	0.033	0	99.531	0.244
BF184_24MHP212A1_wrm6-1	75.009	6.865	17.623	0	0	0.239	0.012	0	99.748	0.278
BF184_24MHP212A1_wrm6-2	75.304	5.749	18.634	0	0	0.324	0	0.007	100.018	0.233
BF184_24MHP212A1_wrm6-3	75.374	5.822	18.745	0	0	0.388	0	0	100.329	0.235
BF184_24MHP212A1_wrm6-4	75.198	6.295	18.108	0	0	0.292	0.001	0.011	99.905	0.256
BF184_24MHP212A1_wrm6-5	74.582	6.061	18.459	0	0	0.303	0	0	99.405	0.245
24MHP212 (average, n=21)	75.15	5.77	18.65							0.234
%RSD	0.46	10.18	3.41							10.38
BF184_WHF1_wrm1-1	74.829	0.406	23.755	0.206	0	0.146	0	0	99.342	0.017
BF184_WHF1_wrm1-2	75.5	0.469	23.804	0.027	0	0.108	0.017	0	99.925	0.019
BF184_WHF1_wrm1-3	74.675	0.33	23.774	0.186	0	0.056	0	0.001	99.022	0.014
BF184_WHF1_wrm2-1	75.763	0.431	23.895	0	0	0.24	0.013	0.02	100.362	0.017
BF184_WHF1_wrm2-2	76.03	1.432	22.947	0	0	0.052	0	0	100.461	0.058
BF184_WHF1_wrm2-3	75.247	0.582	23.667	0	0	0.116	0.001	0.001	99.614	0.024
BF184_WHF1_wrm3-1	75.502	0.309	23.436	0	0	0.14	0	0	99.387	0.013
BF184_WHF1_wrm3-2	75.9	0.81	22.064	0	0	0.152	0.037	0	98.963	0.035
BF184_WHF1_wrm4-1	75.514	1.807	22.448	0	0	0.06	0	0.021	99.85	0.074
BF184_WHF1_wrm4-2	75.135	0.07	24.211	0	0	0.259	0.009	0	99.684	0.003
BF184_WHF1_wrm4-3	76.319	1.392	22.63	0	0	0.044	0	0.016	100.401	0.057
BF184_WHF1_wrm5-1	75.51	2.418	21.707	0	0	0.048	0	0	99.683	0.099

Table S1

BF184_WHF1_wrm5-2	75.331	3.832	20.33	0	0	0.048	0	0.001	99.542	0.157
BF184_WHF1_wrm5-3	74.429	0.164	23.861	0.156	0	0.115	0	0.037	98.762	0.007
BF184_WHF1_wrm6-1	75.157	3.365	21.041	0.084	0	0.108	0.012	0	99.767	0.136
BF184_WHF1_wrm6-2	75.743	3.438	20.876	0.09	0	0.219	0.019	0	100.385	0.140
BF184_WHF1_wrm6-3	75.42	2.657	21.858	0	0	0.171	0	0	100.106	0.107
BF184_WHF1_wrm7-1	75.156	0.093	24.138	0	0	0.152	0.028	0	99.567	0.004
BF184_WHF1_wrm7-2	75.604	0.072	24.144	0	0	0.291	0.008	0	100.119	0.003
BF184_WHF1_wrm7-3	75.782	1.012	20.711	0	0	0.137	0.013	0	97.655	0.046
BF184_WHF1_wrm8-1	75.546	0.045	24.414	0.167	0	0.092	0	0	100.264	0.002
BF184_WHF1_wrm8-2	74.663	0.082	24.381	0.067	0	0.123	0	0	99.316	0.003
WHF1 (average, n=22)	75.40	1.15	22.91			0.13				0.047
%RSD	0.62	107.59	5.78			54.28				106.72
BF184_WHF11_wrm1-1	75.132	18.08	6.261	0	0	0	0.015	0	99.488	0.740
BF184_WHF11_wrm2-1	75.606	16.063	8.274	0	0	0	0.006	0	99.949	0.657
BF184_WHF11_wrm2-2	75.432	16.297	8.01	0.003	0	0.135	0.022	0.007	99.906	0.668
BF184_WHF11_wrm2-3	75.351	15.895	8.214	0	0	0.064	0.013	0	99.537	0.656
BF184_WHF11_wrm3-1	75.071	16.476	7.834	0	0	0.02	0.027	0	99.428	0.675
BF184_WHF11_wrm3-2	75.725	16.304	7.935	0	0	0.024	0.02	0	100.008	0.670
BF184_WHF11_wrm3-3	75.499	16.047	8.13	0	0	0.08	0.017	0.016	99.789	0.661
BF184_WHF11_wrm4-1	75.569	16.169	8.198	0	0	0	0	0.028	99.964	0.661
BF184_WHF11_wrm4-2	75.247	16.773	7.593	0	0	0.052	0	0	99.665	0.686
BF184_WHF11_wrm4-3	75.764	15.943	8.417	0	0	0	0	0.04	100.164	0.652
BF184_WHF11_wrm5-1	75.091	15.222	9.221	0	0	0.219	0	0.002	99.755	0.620
BF184_WHF11_wrm5-2	75.32	15.955	8.423	0	0	0.099	0	0	99.797	0.652
BF184_WHF11_wrm5-3	75.084	17.3	6.795	0	0	0.151	0.003	0	99.333	0.715
BF184_WHF11_wrm6-1	74.626	15.8	8.696	0	0	0.183	0.013	0	99.318	0.642
BF184_WHF11_wrm6-2	74.879	16.599	7.706	0	0	0.056	0	0	99.24	0.680
BF184_WHF11_wrm7-1	75.671	16.026	8.515	0	0	0.095	0.021	0	100.328	0.650
BF184_WHF11_wrm7-2	75.547	16.581	7.827	0	0	0	0	0.01	99.965	0.677
BF184_WHF11_wrm7-3	75.485	16.66	7.745	0	0	0.147	0	0	100.037	0.680
BF184_WHF11_wrm8-1	75.621	16.498	7.968	0	0	0.06	0	0	100.147	0.672
BF184_WHF11_wrm8-2	76.051	16.672	7.675	0	0	0.012	0	0	100.41	0.682
WHF11 (average, n=20)	75.39	16.37	7.97			0.07				0.670

Table S1

%RSD	0.45	3.67	7.99			96.53				3.84
BF184_WHF12_wrm1-1	74.816	16.603	7.703	0	0	0.008	0	0.01	99.14	0.680
BF184_WHF12_wrm1-2	75.205	16.711	7.819	0	0	0.008	0	0	99.743	0.678
BF184_WHF12_wrm2-1	75.403	15.659	8.857	0	0	0	0	0	99.919	0.636
BF184_WHF12_wrm2-2	75.884	15.5	8.739	0	0	0.056	0.008	0	100.187	0.637
BF184_WHF12_wrm3-1	76.091	16.301	7.964	0	0	0.099	0.022	0	100.477	0.669
BF184_WHF12_wrm3-2	75.31	16.595	7.666	0	0	0	0	0	99.571	0.681
BF184_WHF12_wrm4-1	75.552	17.174	7.287	0	0	0.083	0	0.049	100.145	0.699
BF184_WHF12_wrm4-2	75.577	16.411	7.791	0	0	0	0.021	0	99.8	0.675
BF184_WHF12_wrm5-1	74.868	16.891	7.644	0	0	0.016	0.019	0	99.438	0.686
BF184_WHF12_wrm5-2	74.375	16.604	7.728	0	0	0	0.004	0	98.711	0.680
BF184_WHF12_wrm6-1	75.607	16.469	8.03	0	0	0	0	0.018	100.124	0.669
BF184_WHF12_wrm6-2	74.924	17.111	7.329	0	0	0.186	0	0	99.55	0.697
BF184_WHF12_wrm6-3	75.929	16.658	7.718	0	0	0.024	0	0	100.329	0.681
BF184_WHF12_wrm7-1	75.783	16.857	7.449	0	0	0.163	0	0	100.252	0.691
BF184_WHF12_wrm7-2	75.357	17.112	7.289	0	0	0.052	0	0	99.81	0.699
BF184_WHF12_wrm7-3	75.674	16.365	7.931	0	0	0	0.031	0	100.001	0.671
WHF12 (average, n=16)	75.40	16.56	7.81			0.04				0.677
%RSD	0.62	2.83	5.75			138.72				2.75
BF184_WHF2_wrm1-1	75.006	0.045	24.196	0.084	0	0.071	0	0	99.402	0.002
BF184_WHF2_wrm1-2	75.909	0.038	24.29	0	0	0.144	0.016	0	100.397	0.002
BF184_WHF2_wrm1-3	75.924	0.036	24.474	0.054	0	0.044	0	0	100.532	0.001
BF184_WHF2_wrm2-1	74.982	0.075	24.22	0	0	0	0.02	0.02	99.317	0.003
BF184_WHF2_wrm2-2	75.633	0.05	24.443	0	0	0.207	0	0	100.333	0.002
BF184_WHF2_wrm2-3	75.274	0.037	24.183	0.141	0	0.139	0.002	0	99.776	0.002
BF184_WHF2_wrm3-1	75.432	0.075	24.426	0	0	0.263	0	0	100.196	0.003
BF184_WHF2_wrm3-2	75.438	0.044	24.303	0	0	0.203	0.024	0	100.012	0.002
BF184_WHF2_wrm3-3	74.885	0.027	23.907	0	0	0.243	0	0	99.062	0.001
BF184_WHF2_wrm4-1	75.162	0.033	24.44	0	0	0.099	0.004	0	99.738	0.001
BF184_WHF2_wrm4-2	75.325	0.036	24.151	0	0	0.207	0.011	0	99.73	0.001
BF184_WHF2_wrm4-3	75.882	0.041	24.197	0.011	0	0.147	0.011	0	100.289	0.002
BF184_WHF2_wrm5-1	74.792	0.036	24.231	0	0	0.286	0.001	0.032	99.378	0.001
BF184_WHF2_wrm5-2	75.467	0.014	24.378	0	0	0.191	0	0	100.05	0.001

Table S1

BF184_WHF2_wrm5-3	75.278	0.077	24.095	0.015	0	0.103	0	0	99.568	0.003
BF184_WHF2_wrm6-1	75.121	0.048	24.211	0	0	0.143	0	0.007	99.53	0.002
BF184_WHF2_wrm6-2	75.663	0.069	24.18	0	0	0.079	0	0.008	99.999	0.003
BF184_WHF2_wrm6-3	75.516	0.053	24.241	0.1	0	0.198	0	0	100.108	0.002
BF184_WHF2_wrm7-1	75.028	0.016	24.376	0.027	0	0.079	0	0	99.526	0.001
BF184_WHF2_wrm7-2	75.715	0.014	24.33	0.108	0	0.246	0	0.015	100.428	0.001
BF184_WHF2_wrm7-3	75.296	0.063	24.223	0	0	0.127	0	0.015	99.724	0.003
WHF2 (average, n=21)	75.37	0.04	24.26			0.15				0.002
%RSD	0.45	43.61	0.56			50.07				43.60
BF184_WHF3_wrm1-1	75.108	21.426	3.022	0	0.02	0.025	0.007	0	99.608	0.875
BF184_WHF3_wrm1-2	74.264	19.495	4.738	0	0.01	0.32	0	0	98.827	0.802
BF184_WHF3_wrm2-1	75.039	22.065	2.602	0	0	0.147	0	0	99.853	0.893
BF184_WHF3_wrm3-1	75.164	19.593	4.654	0	0	0.092	0.026	0.013	99.542	0.806
BF184_WHF3_wrm3-2	75.503	20.864	3.306	0	0	0.148	0.016	0.029	99.866	0.862
BF184_WHF3_wrm3-3	75.258	19.588	4.883	0	0	0.144	0	0	99.873	0.798
BF184_WHF3_wrm4-1	75.529	21.129	3.326	0	0	0.072	0.023	0	100.079	0.862
BF184_WHF3_wrm4-2	75.379	20.824	3.635	0	0.03	0.172	0.012	0	100.052	0.850
BF184_WHF3_wrm5-1	74.868	20.693	3.623	0	0	0.068	0.004	0	99.256	0.849
BF184_WHF3_wrm5-2	74.725	20.364	4.13	0	0.051	0.223	0.03	0	99.523	0.830
BF184_WHF3_wrm5-3	75.309	20.87	3.382	0	0	0.255	0	0	99.816	0.859
BF184_WHF3_wrm6-1	75.9	20.735	3.327	0.041	0	0.144	0	0	100.147	0.860
BF184_WHF3_wrm6-2	75.228	20.984	3.289	0	0	0.287	0	0	99.788	0.863
BF184_WHF3_wrm6-3	75.429	20.515	3.372	0	0.012	0.188	0.008	0	99.524	0.857
BF184_WHF3_wrm7-1	75.77	20.727	3.497	0	0	0.28	0	0	100.274	0.854
BF184_WHF3_wrm7-2	75.58	20.991	3.416	0	0	0.168	0.029	0.005	100.189	0.859
BF184_WHF3_wrm7-3	75.772	20.397	4.16	0	0	0.08	0	0	100.409	0.829
WHF3 (average, n=17)	75.28	20.66	3.67			0.17				0.85
%RSD	0.55	3.19	17.21			51.43				3.08
BF191_24MHP889_wrm1-1	75.097	14.99	9.099	0	0	0.042	0	0.012	99.24	0.619
BF191_24MHP889_wrm1-2	75.308	14.363	9.476	0	0	0	0.033	0	99.18	0.599
BF191_24MHP889_wrm2-1	75.592	16.469	7.508	0	0	0	0	0.02	99.589	0.684
BF191_24MHP889_wrm2-2	75.848	14.682	9.31	0	0	0.042	0	0	99.882	0.609

BF191_24MHP889_wrm3-1	75.658	14.561	9.745	0	0	0.025	0	0	99.989	0.596
BF191_24MHP889_wrm3-2	75.623	12.549	11.312	0	0	0.008	0.058	0	99.55	0.523
BF191_24MHP889_wrm4-1	76.161	11.253	12.871	0	0	0.008	0	0	100.293	0.463
BF191_24MHP889_wrm4-2	75.353	13.421	10.718	0	0	0.034	0.011	0.001	99.538	0.553
BF191_24MHP889_wrm5-1	75.568	14.16	10.209	0	0	0.055	0	0	99.992	0.578
BF191_24MHP889_wrm5-2	75.626	9.826	14.299	0.013	0	0.025	0	0.004	99.793	0.404
BF191_24MHP889_wrm5B-1	75.308	15.277	8.924	0	0	0.064	0	0	99.573	0.628
BF191_24MHP889_wrm6-1	75.217	12.355	11.404	0	0	0.038	0.002	0	99.016	0.517
BF191_24MHP889_wrm6-2	75.932	12.241	11.957	0	0	0.147	0	0	100.277	0.503
BF191_24MHP889_wrm7-1	75.499	11.925	12.103	0	0	0.101	0	0	99.628	0.493
BF191_24MHP889_wrm7-2	77.897	13.218	11.54	0	0	0.055	0.028	0	102.738	0.531
BF191_24MHP889_wrm8-1	75.14	16.162	7.885	0	0	0.05	0	0	99.237	0.669
BF191_24MHP889_wrm8-2	73.849	14.38	9.588	0	0	0	0	0.002	97.819	0.597
BF191_24MHP889_wrm8-3	75.388	11.254	12.766	0	0	0.013	0	0	99.421	0.465
BF191_24MHP889_wrm9-1	75.769	14.726	9.228	0	0	0	0	0	99.723	0.612
24MHP889 (average, n=19)	75.57	13.57	10.52			0.04				0.56
%RSD	0.97	13.13	17.10			101.79				13.28

**GYIG-EMP-27**  
**Session-260304 (JEOL8230)**

Comment	WO3	FeO	MnO	TiO2	UO2	Nb2O5	SnO2	Sb2O5	Total
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BF184_24MHP12B_1.1	75.986	4.294	19.828	0	0	0.342	0.003	0	100.453	0.176
BF184_24MHP12B_2.1	75.999	5.355	19.006	0	0	0.204	0	0	100.564	0.218
BF184_24MHP12B_6.1	76.026	3.463	20.972	0	0	0.211	0.007	0	100.679	0.140
BF184_24MHP12B_7.1	75.847	4.264	20.122	0	0.025	0.116	0	0	100.374	0.173
BF184_24MHP12B_8.1	75.492	3.245	21.175	0	0.006	0.377	0.004	0	100.299	0.131
BF210_24MHP12B_1.1	75.987	4.97	19.094	0	0.074	0.129	0	0	100.254	0.204
<del>BF210_24MHP12B_2.1</del>	<del>75.962</del>	<del>10.319</del>	<del>13.897</del>	<del>0</del>	<del>0.017</del>	<del>0.267</del>	<del>0</del>	<del>0</del>	<del>100.462</del>	0.423 outlier; rejected
BF210_24MHP12B_3.1	75.69	3.465	20.832	0	0.042	0.108	0.024	0.009	100.17	0.141
BF210_24MHP12B_4.1	75.911	3.769	20.654	0	0.019	0.151	0	0	100.504	0.153
BF210_24MHP12B_5.1	76.551	4.576	19.681	0	0	0.04	0	0	100.848	0.187
BF210_24MHP12B_6.1	75.708	4.553	19.649	0	0	0.277	0.009	0	100.196	0.186
BF210_24MHP12B_7.1	75.518	4.444	19.828	0	0.018	0.164	0.032	0	100.004	0.181
BF210_24MHP12B_8.1	75.586	4.327	20.26	0	0.096	0.382	0.009	0	100.66	0.174
BF210_24MHP12B_9.1	75.549	4.118	20.299	0	0	0.102	0	0	100.068	0.167
<del>BF210_24MHP12B_10.1</del>	<del>76.283</del>	<del>10.741</del>	<del>13.553</del>	<del>0</del>	<del>0.016</del>	<del>0.249</del>	<del>0</del>	<del>0</del>	<del>100.842</del>	0.439 outlier; rejected
BF211_24MHP12B_1.1	76.055	3.716	20.695	0	0.024	0.214	0.022	0.015	100.741	0.151
BF211_24MHP12B_2.1	76.124	3.486	21.164	0	0.028	0.225	0.011	0	101.038	0.140
BF211_24MHP12B_3.1	75.506	4.194	20.034	0	0	0.24	0	0	99.974	0.171
BF211_24MHP12B_4.1	76.443	2.605	21.877	0	0	0.149	0	0	101.074	0.105
BF211_24MHP12B_5.1	75.607	4.402	20.051	0	0.041	0.254	0	0	100.355	0.178
BF288_24MHP12B_1.1	75.95	3.589	21.106	0	0	0.318	0.012	0	100.975	0.144
BF288_24MHP12B_2.1	75.553	3.72	20.734	0	0	0.211	0	0	100.218	0.150
BF288_24MHP12B_3.1	75.495	5.493	18.824	0	0.012	0.161	0	0.004	99.989	0.224
BF288_24MHP12B_4.1	75.714	2.68	21.631	0	0	0.165	0	0	100.19	0.109
BF288_24MHP12B_5.1	75.819	5.056	19.331	0	0.066	0.279	0.031	0	100.582	0.205
24MHP12B (average, n=23 out of 25)	75.83	4.08	20.30			0.21				0.166
%RSD	0.39	18.69	4.11			43.05				18.98
BF184_23DHT-24J_1.1	75.655	21.105	2.738	0	0.061	0.033	0.023	0	99.615	0.884
BF184_23DHT-24J_3.1	75.751	21.163	2.925	0	0.056	0	0	0	99.895	0.877
BF184_23DHT-24J_4.1	75.81	21.445	2.481	0	0.047	0	0.048	0	99.831	0.895
BF184_23DHT-24J_7.1	75.761	21.756	2.36	0	0	0.07	0	0.026	99.973	0.901
BF184_23DHT-24J_9.1	75.96	21.209	2.583	0.03	0	0	0	0	99.782	0.890
BF184_23DHT-24J_10.1	75.755	20.992	3.038	0	0.031	0.081	0	0	99.897	0.872

Table S1

BF184_23DHT-24J_11.1	75.591	21.581	2.451	0	0	0	0	0	99.623	0.897
BF184_23DHT-24J_12.1	75.795	21.12	2.582	0	0	0	0	0	99.497	0.890
BF184_23DHT-24J_13.1	75.425	21.066	2.545	0	0.032	0.004	0	0	99.072	0.891
BF184_23DHT-24J_14.1	75.844	21.028	2.692	0	0	0.018	0.007	0	99.589	0.885
BF184_23DHT-24J_15.1	76.299	20.995	3.038	0	0	0.026	0	0	100.358	0.872
BF184_23DHT-24J_17.1	75.989	20.963	2.723	0	0.035	0	0	0	99.71	0.884
BF184_23DHT-24J_18.1	75.49	21.352	2.458	0	0.018	0	0	0	99.318	0.896
BF210_23DHT-24J_1.1	75.046	20.08	3.896	0	0.024	0.073	0.024	0	99.143	0.836
BF210_23DHT-24J_2.1	76.139	20.925	2.899	0	0	0	0	0	99.963	0.877
BF210_23DHT-24J_3.1	75.941	21.461	2.458	0.023	0.006	0.018	0	0	99.907	0.896
BF210_23DHT-24J_4.1	75.272	20.74	3.389	0	0.023	0.243	0.019	0	99.686	0.858
BF210_23DHT-24J_5.1	76.14	21.2	2.551	0	0	0	0.045	0	99.936	0.891
BF210_23DHT-24J_8.1	75.519	20.933	3.209	0	0	0.04	0.023	0	99.724	0.866
BF210_23DHT-24J_9.1	75.822	21.377	2.581	0	0	0	0	0	99.78	0.891
BF210_23DHT-24J_10.1	75.433	21.209	2.146	0	0.005	0.059	0.002	0	98.854	0.907
BF210_23DHT-24J_11.1	75.861	21.505	2.549	0.012	0.039	0	0	0.018	99.984	0.893
BF210_23DHT-24J_12.1	76.039	21.237	2.881	0	0	0.018	0.01	0.01	100.195	0.879
BF211_24MHP-24J_1.1	76.173	21.489	2.4	0	0.024	0.04	0	0	100.126	0.898
BF211_24MHP-24J_2.1	76.341	21.746	2.384	0	0.033	0.066	0.015	0	100.585	0.900
BF211_24MHP-24J_3.1	75.978	21.378	2.625	0	0.037	0	0	0	100.018	0.889
BF211_24MHP-24J_5.1	76.457	21.686	2.617	0	0.063	0.007	0	0	100.83	0.891
BF211_24MHP-24J_5.2	76.135	21.493	2.422	0.017	0.066	0	0	0.039	100.172	0.898
BF211_24MHP-24J_6.1	76.266	21.512	2.51	0	0	0.011	0	0.027	100.326	0.894
BF211_24MHP-24J_7.1	76.329	21.19	2.471	0	0.025	0	0.034	0	100.049	0.894
BF211_24MHP-24J_7.2	76.225	21.281	2.556	0	0.074	0	0	0	100.136	0.892
BF211_24MHP-24J_8.1	76.086	20.816	3.17	0	0.004	0.209	0.006	0	100.291	0.866
BF211_24MHP-24J_9.1	75.889	21.411	2.511	0	0	0.066	0	0	99.877	0.894
BF211_24MHP-24J_9.2	75.919	21.43	2.698	0	0	0	0	0.016	100.063	0.887
BF211_24MHP-24J_10.1	76.274	21.589	2.472	0	0.017	0.018	0.016	0	100.386	0.896
BF211_24MHP-24J_11.1	76.283	21.728	2.523	0	0.006	0	0.019	0	100.559	0.895
BF211_24MHP-24J_12.1	74.841	21.239	2.766	0	0	0	0	0	98.846	0.883
BF211_24MHP-24J_13.1	76.275	21.624	2.292	0	0	0	0	0	100.191	0.903
BF288_23DHT-24J_1.1	76.501	21.558	2.457	0	0	0	0	0	100.516	0.897
BF288_23DHT-24J_2.1	75.313	21.263	2.562	0.018	0	0	0	0	99.156	0.891
BF288_23DHT-24J_3.1	75.639	21.663	2.301	0.046	0	0.087	0	0	99.736	0.903

BF288_23DHT-24J_4.1	75.814	21.502	2.736	0	0	0	0	0	100.052	0.886
BF288_23DHT-24J_4.2	76.282	21.053	2.844	0	0	0	0	0	100.179	0.880
BF288_23DHT-24J_5.1	75.884	21.506	2.54	0	0.017	0.072	0.005	0	100.024	0.893
BF288_23DHT-24J_5.2	75.566	21.26	2.4	0	0.052	0	0	0.026	99.304	0.897
BF288_23DHT-24J_6.1	74.99	21.125	2.655	0.014	0.009	0	0	0.001	98.794	0.887
23DHT24J (average, n=24)	75.87	21.28	2.65			0.03				0.89
%RSD	0.52	1.49	11.86			185.87				1.47
BF184_24MHP212A1_1.1	75.753	5.129	19.209	0	0	0.24	0	0	100.331	0.209
BF184_24MHP212A1_1.2	76.101	5.277	19.177	0	0	0.157	0	0	100.712	0.214
BF184_24MHP212A1_1.3	75.281	5.279	19.012	0	0	0.27	0.003	0	99.845	0.215
BF184_24MHP212A1_2.1	75.214	5.142	19.127	0.009	0	0.317	0	0	99.809	0.210
BF184_24MHP212A1_2.2	75.384	5.085	18.791	0	0.036	0.284	0	0	99.58	0.211
BF184_24MHP212A1_2.3	74.658	5.07	19.381	0	0.001	0.323	0.003	0	99.436	0.205
BF184_24MHP212A1_3.1	75.607	6.791	17.438	0	0	0.375	0.023	0	100.234	0.278
BF184_24MHP212A1_3.2	75.383	6.105	18.147	0	0	0.368	0.013	0	100.016	0.249
BF184_24MHP212A1_4.1	74.895	5.114	19.032	0	0	0.389	0	0	99.43	0.210
BF184_24MHP212A1_4.2	75.422	5.269	19.095	0	0	0.422	0	0	100.208	0.214
BF184_24MHP212A1_5.1	74.924	5.713	18.489	0	0.028	0.396	0	0	99.55	0.234
BF184_24MHP212A1_5.2	75.436	5.748	18.644	0	0	0.422	0.026	0	100.276	0.233
BF184_24MHP212A1_6.1	75.317	6.576	17.785	0	0	0.273	0.001	0	99.952	0.267
BF184_24MHP212A1_6.2	75.508	5.866	18.294	0	0	0.248	0	0	99.916	0.240
BF210_24MHP212A_1.1	75.827	5.226	19.165	0	0.023	0.323	0	0	100.564	0.212
BF210_24MHP212A_2.1	75.564	4.75	19.684	0	0	0.173	0	0	100.171	0.192
BF210_24MHP212A_2.2	75.687	4.707	19.84	0	0.034	0.19	0	0	100.458	0.190
BF210_24MHP212A_3.1	75.842	5.984	18.384	0	0	0.352	0	0	100.562	0.243
BF210_24MHP212A_4.1	75.516	5.597	18.474	0	0.001	0.374	0.01	0	99.972	0.230
BF210_24MHP212A_5.1	75.817	5.763	18.585	0	0.029	0.28	0	0	100.474	0.234
BF210_24MHP212A_5.2	75.485	5.739	18.542	0	0.025	0.273	0	0	100.064	0.234
BF210_24MHP212A_6.1	75.784	4.882	19.586	0	0.055	0.302	0	0	100.609	0.198
BF210_24MHP212A_7.1	75.769	5.027	19.529	0	0	0.312	0	0	100.637	0.203
BF210_24MHP212A_7.2	75.837	4.585	19.54	0	0	0.331	0	0	100.293	0.188
BF210_24MHP212A_8.1	75.878	6.04	18.421	0	0	0.155	0.005	0.002	100.501	0.245
BF210_24MHP212A_8.2	74.843	6.119	17.815	0	0	0.212	0	0	98.989	0.253
BF210_24MHP212A_9.1	75.414	6.023	18.519	0	0.004	0.19	0.012	0	100.162	0.243

Table S1

BF210_24MHP212A_9.2	75.763	5.482	18.931	0	0	0.248	0	0	100.424	0.222
BF210_24MHP212A_9.3	75.498	6.275	17.98	0	0	0.284	0	0.014	100.051	0.256
BF210_24MHP212B_1.1	75.353	5.326	18.907	0	0.046	0.417	0	0	100.049	0.218
BF210_24MHP212B_1.2	75.806	5.06	19.359	0	0	0.446	0.003	0.011	100.685	0.205
BF210_24MHP212B_2.1	75.391	5.306	19.059	0	0.002	0.169	0	0	99.927	0.216
BF210_24MHP212B_2.2	74.729	5.185	19.1	0	0	0.374	0.006	0	99.394	0.211
BF210_24MHP212B_3.1	76.025	5.697	18.646	0	0.004	0.334	0	0	100.706	0.232
BF210_24MHP212B_4.1	75.407	5.233	18.991	0	0.019	0.291	0	0	99.941	0.214
BF210_24MHP212B_4.2	75.699	5.205	19.131	0	0.027	0.273	0	0	100.335	0.212
BF210_24MHP212B_5.1	76.185	9.662	14.468	0	0.001	0.382	0	0	100.698	0.397
BF210_24MHP212B_6.1	75.124	5.806	18.726	0	0	0.251	0	0	99.907	0.234
BF210_24MHP212B_7.1	75.554	5.437	18.812	0	0.008	0.241	0.007	0	100.059	0.222
BF210_24MHP212B_8.1	76.162	5.346	19.032	0	0	0.216	0	0	100.756	0.217
BF210_24MHP212B_9.1	75.727	5.529	18.99	0	0	0.338	0	0	100.584	0.223
BF210_24MHP212B_10.1	75.967	5.18	19.652	0	0.023	0.398	0.013	0	101.233	0.207
BF210_24MHP212B_11.1	75.516	5.748	18.617	0	0	0.323	0	0	100.204	0.234
BF210_24MHP212B_12.1	75.725	6.364	17.875	0	0.032	0.345	0	0	100.341	0.260
BF211_24MHP212BX_1.1	75.66	4.698	19.847	0	0	0.287	0	0	100.492	0.189
BF211_24MHP212BX_1.2	75.341	5.21	19.322	0	0	0.222	0	0	100.095	0.210
BF211_24MHP212BX_2.1	76.097	5.693	18.382	0	0.019	0.422	0	0	100.613	0.234
BF211_24MHP212BX_3.1	75.846	5.711	18.822	0	0	0.276	0	0	100.655	0.231
BF211_24MHP212BX_3.2	75.749	4.665	20.076	0	0	0.243	0	0	100.733	0.187
BF211_24MHP212BX_4.1	75.722	5.938	18.619	0	0.04	0.247	0	0	100.566	0.239
BF211_24MHP212BX_4.2	74.972	5.777	18.74	0	0	0.349	0	0	99.838	0.233
BF211_24MHP212BX_5.1	76.055	5.329	19.061	0	0	0.498	0.003	0	100.946	0.216
BF211_24MHP212BX_6.1	75.686	5.92	18.566	0	0	0.294	0	0	100.466	0.239
BF211_24MHP212BX_6.2	76.16	5.375	19.059	0.002	0.018	0.298	0	0.033	100.945	0.218
BF211_24MHP212CA_1.1	75.626	4.737	19.733	0	0	0.272	0	0	100.368	0.192
BF211_24MHP212CA_2.1	75.983	5.143	19.418	0	0.034	0.305	0	0	100.883	0.207
BF211_24MHP212CA_3.1	75.575	5.034	19.445	0	0	0.24	0	0	100.294	0.204
BF211_24MHP212CA_3.2	75.171	5.122	19.205	0	0	0.262	0.032	0	99.792	0.208
BF211_24MHP212CA_4.1	75.736	5.096	19.536	0	0	0.312	0	0	100.68	0.205
BF211_24MHP212CA_4.2	76.025	5.152	19.431	0	0.073	0.367	0.012	0	101.06	0.207
BF211_24MHP212CA_5.1	75.541	9.194	15.132	0	0	0.27	0	0	100.137	0.375
BF211_24MHP212CA_5.2	75.653	9.548	14.586	0	0	0.405	0.012	0	100.204	0.393

Table S1

BF211_24MHP212CA_6.1	75.76	5.391	18.882	0	0.015	0.291	0	0	100.339	0.220
BF211_24MHP212CA_6.2	75.535	5.365	19.102	0	0	0.483	0.018	0	100.503	0.217
BF288_24MHP212BX_2.1	75.113	5.696	18.782	0	0	0.425	0	0	100.016	0.230
BF288_24MHP212BX_3.1	74.572	4.585	19.519	0	0	0.261	0	0	98.937	0.188
BF288_24MHP212BX_4.1	75.866	5.211	19.101	0	0	0.468	0.036	0	100.682	0.212
BF288_24MHP212BX_5.1	75.54	5.641	19.045	0	0	0.272	0	0	100.498	0.226
BF288_24MHP212BX_6.1	75.385	4.699	19.641	0	0	0.425	0.009	0	100.159	0.191
BF288_24MHP212BX_7.1	75.483	5.719	18.544	0	0	0.39	0	0	100.136	0.233
BF288_24MHP212BX_8.1	75.113	5.45	19.078	0	0.007	0.414	0.03	0	100.092	0.220
BF288_24MHP212BX_9.1	75.418	5.653	18.447	0	0.021	0.308	0.001	0	99.848	0.232
BF288_24MHP212BX_10.1	75.131	5.438	18.625	0	0.044	0.297	0	0	99.535	0.224
<del>BF288_24MHP212BX_11.1</del>	<del>75.296</del>	<del>11.007</del>	<del>12.993</del>	<del>0</del>	<del>0</del>	<del>0.463</del>	<del>0</del>	<del>0</del>	<del>99.759</del>	0.455 outlier; rejected
BF288_24MHP212BX_12.1	75.166	5.026	18.994	0	0	0.486	0	0	99.672	0.207
of 75)	75.55	5.59	18.77			0.32				0.227
%RSD	0.48	16.57	5.25			25.86				16.91
BF184_WHF1_1.1	74.69	0.424	23.786	0.272	0.013	0.152	0	0	99.337	0.017
BF184_WHF1_1.2	75.974	0.536	23.479	0.062	0	0.055	0	0	100.106	0.022
BF184_WHF1_2.1	75.787	0.421	23.874	0	0	0.218	0	0	100.3	0.017
BF184_WHF1_2.2	76.655	1.336	23.128	0	0	0.258	0.044	0	101.421	0.054
BF184_WHF1_2.3	75.452	0.808	22.896	0	0	0.036	0	0	99.192	0.034
BF184_WHF1_3.1	75.154	0.671	23.196	0	0.022	0.218	0	0.011	99.272	0.028
BF184_WHF1_4.1	76.136	0.132	24.067	0	0.042	0.145	0	0	100.522	0.005
BF184_WHF1_5.2	75.259	3.149	21.08	0.091	0.039	0.24	0	0	99.858	0.129
BF184_WHF1_5.3	75.251	0.173	24.256	0.07	0	0.25	0	0	100	0.007
BF184_WHF1_6.1	75.445	3.51	20.729	0.046	0.006	0.146	0	0	99.882	0.143
BF184_WHF1_6.2	75.295	3.417	20.735	0.051	0	0.131	0	0	99.629	0.140
BF184_WHF1_7.1	75.358	0.084	24.193	0	0	0.145	0	0.009	99.789	0.003
BF184_WHF1_8.1	75.049	0.09	24.21	0.17	0.012	0.149	0	0	99.68	0.004
BF184_WHF1_8.2	75.405	0.036	24.11	0.138	0.01	0.109	0	0	99.808	0.001
WHF1 (average, n=14)	75.49	1.06	23.12			0.16				0.043
%RSD	0.66	122.86	5.66			42.76				122.75
BF184_WHF11_1.1	75.603	18.186	6.222	0	0	0	0	0	100.011	0.743

BF184_WHF11_2.1	75.528	16.456	7.893	0	0	0.029	0	0	99.906	0.673
BF184_WHF11_2.2	76.846	16.008	7.812	0	0.024	0	0.014	0	100.704	0.669
BF184_WHF11_3.1	76.193	16.19	7.943	0	0	0	0	0	100.326	0.668
BF184_WHF11_3.2	75.564	16.249	8.009	0	0	0.026	0	0	99.848	0.667
BF184_WHF11_4.1	75.356	16.119	8.318	0	0	0.059	0.04	0	99.892	0.657
BF184_WHF11_4.2	75.671	16.577	7.639	0	0.008	0.172	0	0.005	100.072	0.682
BF184_WHF11_5.1	75.598	15.556	8.54	0	0	0.051	0	0	99.745	0.643
BF184_WHF11_5.2	75.618	15.764	8.386	0	0.032	0.084	0.028	0	99.912	0.650
BF184_WHF11_6.1	74.3	15.144	9.364	0	0.036	0.066	0.008	0.005	98.923	0.615
BF184_WHF11_6.2	75.677	16.83	7.412	0	0.011	0	0.001	0	99.931	0.692
BF184_WHF11_7.1	75.304	15.649	8.5	0	0	0	0.021	0	99.474	0.645
BF184_WHF11_7.2	76.02	16.241	7.87	0	0.001	0.062	0.02	0	100.214	0.671
BF184_WHF11_8.1	76.299	15.696	8.128	0	0.032	0.048	0	0	100.203	0.656
WHF11 (average, n=14)	75.68	16.19	8.00			0.04				0.67
%RSD	0.76	4.49	8.75			111.30				4.35
BF184_WHF12_1.1	75.492	16.5	7.732	0	0	0.084	0	0.017	99.825	0.678
BF184_WHF12_1.2	75.529	16.725	7.822	0	0.023	0.044	0	0	100.143	0.679
BF184_WHF12_2.1	75.45	15.633	8.81	0	0.03	0.048	0	0	99.971	0.637
BF184_WHF12_2.2	75.017	15.344	8.556	0	0	0.077	0.032	0	99.026	0.639
BF184_WHF12_3.1	75.697	16.431	7.695	0	0	0.066	0	0.013	99.902	0.678
BF184_WHF12_3.2	75.89	16.533	7.745	0	0	0.081	0	0.009	100.258	0.678
BF184_WHF12_4.1	75.913	16.877	7.189	0	0.044	0.07	0	0	100.093	0.699
BF184_WHF12_4.2	75.526	16.433	7.863	0.031	0.059	0	0	0.009	99.921	0.674
BF184_WHF12_5.1	75.617	16.521	7.712	0	0.038	0.102	0.013	0.007	100.01	0.679
BF184_WHF12_5.2	75.715	16.456	7.889	0	0	0.099	0	0	100.159	0.673
BF184_WHF12_6.1	75.847	16.253	8.026	0	0	0	0	0	100.126	0.667
BF184_WHF12_6.3	76.92	16.28	7.516	0	0	0	0	0	100.716	0.681
BF184_WHF12_7.1	75.383	16.552	7.699	0	0.013	0	0	0.003	99.65	0.680
WHF12 (average, n=13)	75.69	16.35	7.87			0.05				0.67
%RSD	0.58	2.56	5.31			76.30				2.51
BF184_WHF2_1.1	75.478	0.069	24.474	0	0.078	0.257	0	0	100.356	0.003
BF184_WHF2_1.2	75.592	0.018	24.193	0	0	0.145	0	0	99.948	0.001

Table S1

BF184_WHF2_1.3	75.524	0.05	24.36	0	0	0.265	0	0	100.199	0.002
BF184_WHF2_2.1	75.625	0.045	24.27	0.073	0.013	0.301	0	0	100.327	0.002
BF184_WHF2_2.2	75.441	0.054	24.096	0	0	0.229	0.022	0	99.842	0.002
BF184_WHF2_2.3	75.34	0.067	24.366	0.122	0.037	0.149	0	0	100.081	0.003
BF184_WHF2_3.1	75.056	0.026	24.12	0.08	0.026	0.218	0	0	99.526	0.001
BF184_WHF2_3.2	75.86	0.017	24.396	0.039	0	0.301	0	0	100.613	0.001
BF184_WHF2_3.3	75.471	0.051	24.361	0	0.046	0.496	0	0.002	100.427	0.002
BF184_WHF2_4.1	75.385	0.04	24.189	0	0	0.319	0	0	99.933	0.002
BF184_WHF2_4.2	75.782	0.049	24.252	0	0	0.145	0.01	0	100.238	0.002
BF184_WHF2_5.1	74.138	0.048	24.184	0.002	0	0.21	0.013	0	98.595	0.002
BF184_WHF2_5.2	76.043	0.062	24.262	0.032	0.056	0.102	0	0.018	100.575	0.003
BF184_WHF2_6.1	75.102	0.042	23.545	0	0	0.414	0.022	0	99.125	0.002
BF184_WHF2_6.2	75.002	0.045	23.615	0.142	0	0.2	0	0	99.004	0.002
WHF2 (average, n=15)	75.39	0.05	24.18			0.25				0.002
%RSD	0.60	34.32	1.10			42.40				33.93
BF184_WHF3_1.1	75.866	20.559	3.572	0	0	0.169	0.014	0	100.18	0.850
BF184_WHF3_1.2	75.661	19.431	4.7	0	0	0.125	0	0	99.917	0.803
BF184_WHF3_2.1	75.555	21.853	2.648	0	0.05	0.062	0	0	100.168	0.891
BF184_WHF3_3.1	75.717	19.535	4.985	0	0	0.183	0	0	100.42	0.795
BF184_WHF3_3.2	75.488	20.813	3.383	0	0	0.257	0	0	99.941	0.859
BF184_WHF3_3.3	75.577	19.391	5.017	0	0.015	0.15	0	0	100.15	0.792
BF184_WHF3_4.1	75.309	19.566	4.66	0	0	0.231	0	0	99.766	0.806
BF184_WHF3_4.2	75.248	20.401	3.687	0	0.014	0.173	0.031	0	99.554	0.845
BF184_WHF3_5.1	75.306	20.539	3.706	0	0	0.184	0.009	0	99.744	0.845
BF184_WHF3_5.2	75.47	20.401	4.057	0	0.086	0.191	0	0	100.205	0.832
BF184_WHF3_6.1	74.997	20.83	3.347	0	0	0.301	0	0	99.475	0.860
BF184_WHF3_7.1	75.289	20.02	4.231	0	0.016	0.132	0	0	99.688	0.824
WHF3 (average, n=12)	75.46	20.28	4.00			0.18				0.83
%RSD	0.32	3.61	18.45			35.02				3.65
BF210_24MHP409A_1.1	75.609	12.988	11.068	0.012	0.042	0.144	0	0	99.863	0.537
BF210_24MHP409A_1.2	75.953	11.449	12.611	0.02	0.067	0.104	0	0.004	100.208	0.473
BF210_24MHP409A_2.1	75.875	10.706	13.663	0	0	0.007	0	0	100.251	0.436

Table S1

BF210_24MHP409A_2.2	76.112	11.329	12.663	0	0.012	0.137	0.025	0	100.278	0.469
BF210_24MHP409A_3.1	75.585	10.726	13.332	0	0.026	0.101	0	0	99.77	0.443
BF210_24MHP409A_4.1	76.068	10.901	13.105	0	0	0.108	0	0	100.182	0.451
BF210_24MHP409A_4.2	76.505	11.629	12.541	0	0	0	0	0	100.675	0.478
BF210_24MHP409A_5.1	75.823	11.921	12.033	0.013	0.061	0.169	0	0	100.02	0.494
BF210_24MHP409A_5.2	75.771	11.51	12.287	0.041	0.004	0.076	0.015	0	99.704	0.481
BF210_24MHP409A_6.1	75.496	10.462	13.442	0	0.039	0.144	0	0	99.583	0.435
BF210_24MHP409A_6.2	75.741	11.008	12.954	0.056	0.016	0.09	0	0	99.865	0.456
BF210_24MHP409A_7.1	75.94	8.132	16.089	0	0	0.083	0	0	100.244	0.333
BF210_24MHP409A_7.2	75.169	9.651	14.367	0	0.002	0.208	0.011	0.031	99.439	0.399
BF210_24MHP409A_8.1	75.74	11.4	12.69	0	0.038	0.025	0	0	99.893	0.470
BF210_24MHP409A_8.2	75.879	11.947	12.301	0	0	0.072	0	0	100.199	0.490
BF210_24MHP409B_1.1	76.102	14.988	8.861	0	0.046	0.065	0	0	100.062	0.625
BF210_24MHP409B_2.1	75.683	13.888	9.924	0	0.053	0.058	0.025	0	99.631	0.580
BF210_24MHP409B_3.1	75.04	11.756	12.243	0	0	0	0.019	0	99.058	0.487
BF210_24MHP409B_3.2	75.436	12.535	11.747	0	0	0	0	0.002	99.72	0.513
BF210_24MHP409B_4.1	76.366	10.734	13.442	0	0	0.065	0	0	100.607	0.441
BF210_24MHP409B_4.2	75.71	10.131	14.127	0	0.01	0.086	0	0	100.064	0.415
BF210_24MHP409B_5.1	76.163	11.302	13.094	0	0.016	0.094	0.022	0	100.691	0.460
BF210_24MHP409B_6.1	76.197	14.74	9.28	0	0.047	0.043	0.004	0	100.311	0.611
BF210_24MHP409B_7.1	76.017	14.64	9.546	0	0	0	0	0	100.203	0.602
BF210_24MHP409B_8.1	76.177	14.016	9.939	0	0.017	0.08	0	0	100.229	0.582
BF210_24MHP409B_9.1	76.551	14.142	9.939	0	0.012	0.007	0.038	0	100.689	0.584
BF210_24MHP409B_9.2	76.141	12.596	11.367	0	0.002	0.094	0	0	100.2	0.522
BF210_24MHP409B_10.1	76.091	13.703	10.398	0	0.05	0.08	0	0.045	100.367	0.565
BF210_24MHP409B_11.1	76.174	13.492	10.75	0	0	0.04	0	0	100.456	0.553
BF210_24MHP409B_11.2	76.04	11.79	12.423	0	0.007	0.029	0	0	100.289	0.484
BF211_24MHP409A_1.1	75.794	11.477	12.788	0	0	0	0	0	100.059	0.470
BF211_24MHP409A_1.2	76.153	11.366	13.094	0	0	0.106	0	0	100.719	0.462
BF211_24MHP409A_2.1	75.75	11.022	13.046	0.009	0	0.018	0	0	99.845	0.455
BF211_24MHP409A_2.2	75.862	10.656	13.734	0.021	0	0	0.022	0.018	100.313	0.434
BF211_24MHP409A_3.1	76.136	11.711	12.273	0	0	0.033	0	0	100.153	0.485
BF211_24MHP409A_3.2	76.002	11.871	12.451	0	0	0.011	0	0	100.335	0.485
BF211_24MHP409A_4.1	75.795	13.421	10.288	0	0.054	0.095	0	0	99.653	0.563
BF211_24MHP409A_4.2	76.02	15.317	8.522	0	0	0	0	0	99.859	0.640

BF211_24MHP409A_5.1	75.953	12.434	11.654	0	0.06	0.022	0.005	0	100.128	0.513
BF211_24MHP409A_5.2	75.485	10.05	13.962	0	0.014	0.007	0	0.019	99.537	0.415
BF211_24MHP409B_1.1	76.396	11.834	12.454	0.002	0	0	0	0	100.686	0.484
BF211_24MHP409B_1.2	76.136	11.327	13.092	0	0	0.139	0	0	100.694	0.461
BF211_24MHP409B_2.1	75.619	11.748	12.589	0	0	0.015	0	0	99.971	0.480
BF211_24MHP409B_3.1	76.182	12.884	11.314	0	0	0.055	0	0	100.435	0.529
BF211_24MHP409B_4.1	76.167	12.283	11.431	0	0	0.062	0	0	99.943	0.515
BF211_24MHP409B_4.2	76.346	12.763	11.35	0	0	0.091	0	0.019	100.569	0.526
BF211_24MHP409B_5.1	74.727	11.789	12.455	0	0.011	0	0.003	0.016	99.001	0.483
BF211_24MHP409B_6.1	76.412	14.457	9.478	0	0	0	0	0	100.347	0.601
BF211_24MHP409B_7.1	75.451	13.601	10.619	0	0	0.015	0	0	99.686	0.558
BF211_24MHP409B_8.1	76.444	13.69	10.42	0	0	0.026	0.009	0.005	100.594	0.565
24MHP409 (average, n=50)	75.92	12.12	11.98			0.06				0.500
%RSD	0.49	12.43	13.14			90.26				12.80
BF210_24MHP414A_1.1	75.638	13.301	10.639	0	0.048	0.072	0.015	0	99.713	0.552
BF210_24MHP414A_2.1	75.561	13.929	9.97	0	0.011	0.173	0	0	99.644	0.580
BF210_24MHP414A_3.1	74.81	10.841	13.129	0	0.025	0.097	0	0	98.902	0.449
BF210_24MHP414A_4.1	75.562	11.332	12.65	0	0	0.079	0	0	99.623	0.469
BF210_24MHP414A_5.1	76.187	9.842	14.339	0	0	0.05	0	0.011	100.429	0.404
BF210_24MHP414A_6.1	75.054	9.652	14.569	0.108	0	0.047	0.006	0	99.436	0.395
BF210_24MHP414A_7.1	75.391	12.11	11.759	0	0	0.007	0	0	99.267	0.504
BF210_24MHP414A_7.2	76.12	12.494	11.594	0	0.043	0.119	0.009	0	100.379	0.516
BF210_24MHP414A_8.1	75.569	11.916	11.739	0	0.013	0.083	0.029	0	99.349	0.501
BF210_24MHP414A_8.2	74.904	12.732	11.316	0	0	0	0	0	98.952	0.526
BF210_24MHP414A_9.1	75.844	8.425	15.638	0	0.032	0.158	0.071	0	100.168	0.347
BF210_24MHP414A_9.2	75.219	10.473	12.839	0	0	0	0	0	98.531	0.446
BF210_24MHP414A_10.1	76.094	12.75	11.728	0.022	0.044	0.097	0	0	100.735	0.518
BF210_24MHP414A_10.2	75.435	12.781	11.202	0	0.006	0.054	0.038	0	99.516	0.530
BF210_24MHP414A_11.1	75.714	15.21	8.63	0	0.049	0.018	0	0	99.621	0.635
BF210_24MHP414A_12.1	75.694	9.446	14.807	0	0	0.147	0	0.003	100.097	0.386
BF210_24MHP414A_12.2	75.448	11.588	12.683	0	0	0	0	0	99.719	0.474
BF210_24MHP414A_13.1	76.031	11.701	12.333	0	0	0.054	0	0	100.119	0.484
BF210_24MHP414A_13.2	76.235	11.07	13.042	0	0	0.108	0	0	100.455	0.456
BF210_24MHP414A_13.3	75.081	11.263	12.752	0	0	0.054	0	0.01	99.16	0.466

Table S1

24MHP414A (average, n=20)	75.58	11.64	12.37			0.07				0.48
%RSD	0.56	13.99	13.62			74.47				14.27
BF210_24MHP415A_1.1	75.161	11.182	12.719	0	0.017	0.133	0	0.042	99.254	0.465
BF210_24MHP415A_1.2	75.545	11.857	12.464	0	0	0.004	0	0	99.87	0.484
BF210_24MHP415A_2.1	75.512	13.353	10.56	0	0	0.018	0	0	99.443	0.555
BF210_24MHP415A_2.2	75.917	9.139	14.673	0	0	0.147	0	0	99.876	0.381
BF210_24MHP415A_3.1	75.807	12.798	11.337	0	0	0	0.005	0	99.947	0.527
BF210_24MHP415A_3.2	74.932	14.009	9.902	0	0.031	0.036	0	0	98.91	0.583
BF210_24MHP415A_4.1	75.958	12.858	11.67	0	0.091	0.083	0	0	100.66	0.521
BF210_24MHP415A_4.2	75.058	14.516	9.354	0	0	0.188	0.008	0	99.124	0.605
BF210_24MHP415A_5.1	76.053	8.968	15.27	0	0	0.227	0	0	100.518	0.367
BF210_24MHP415A_5.2	76.328	13.163	10.778	0	0	0.152	0.013	0	100.434	0.547
BF210_24MHP415A_6.1	74.998	13.339	10.703	0	0	0.141	0.016	0	99.197	0.552
BF210_24MHP415A_6.2	76.21	13.443	10.453	0	0	0.051	0.001	0	100.158	0.559
BF210_24MHP415A_7.1	76.077	9.803	14.347	0	0.064	0.083	0	0	100.374	0.403
BF210_24MHP415A_7.2	76.392	9.885	14.595	0	0.009	0.148	0	0	101.029	0.401
BF210_24MHP415A_8.1	75.959	14.36	9.683	0	0	0.109	0.002	0	100.113	0.594
BF210_24MHP415A_8.2	75.934	13.718	10.349	0	0.028	0.087	0	0	100.116	0.567
BF210_24MHP415A_9.1	76.513	7.864	16.388	0	0.014	0.068	0.006	0	100.853	0.321
BF210_24MHP415A_10.1	76.268	14.127	10.089	0	0	0.076	0	0.003	100.563	0.580
BF210_24MHP415A_11.1	76.402	17.225	6.732	0	0.043	0.069	0	0	100.471	0.716
BF210_24MHP415A_12.1	75.792	13.312	10.733	0.006	0.009	0.076	0	0	99.928	0.550
BF211_24MHP415A_2.1	75.923	8.654	15.391	0	0	0.018	0	0	99.986	0.357
BF211_24MHP415A_3.1	76.258	11.502	12.582	0	0.041	0.077	0	0	100.46	0.474
BF211_24MHP415A_5.1	75.891	14.365	9.695	0	0	0.088	0.034	0	100.073	0.594
BF211_24MHP415A_6.1	75.199	10.983	13.381	0.07	0	0.073	0.004	0	99.71	0.448
BF211_24MHP415A_6.2	75.632	12.176	12.181	0	0	0.055	0	0	100.044	0.497
BF211_24MHP415A_7.1	75.845	12.644	11.391	0	0	0.194	0	0	100.074	0.523
BF211_24MHP415A_8.1	76.075	10.826	13.42	0	0	0.142	0.034	0	100.497	0.443
BF211_24MHP415A_9.1	75.849	17.483	6.718	0	0.057	0.146	0	0.039	100.292	0.720
BF211_24MHP415A_10.1	75.545	10.707	13.523	0	0	0.011	0	0	99.786	0.439
BF211_24MHP415A_10.2	75.907	11.043	13.288	0	0.003	0.153	0.005	0	100.399	0.451
24MHP415A (average, n=30)	75.83	12.31	11.81			0.10				0.51

%RSD	0.57	18.78	20.07			62.71			19.14	
BF210_24MHP416_1.1	76.151	13.842	10.432	0	0.025	0.106	0.003	0	100.559	0.567
BF210_24MHP416_2.1	76.163	13.429	10.666	0	0.007	0.132	0	0	100.397	0.554
BF210_24MHP416_3.1	75.81	14.3	9.811	0	0	0.007	0	0	99.928	0.590
BF210_24MHP416_4.1	75.777	14.302	9.934	0	0	0.102	0	0	100.115	0.587
BF210_24MHP416_5.1	75.637	12.558	11.644	0	0	0.091	0	0	99.93	0.516
BF210_24MHP416_6.1	76.021	12.983	11.265	0	0.009	0.109	0	0	100.387	0.532
BF210_24MHP416_7.1	75.181	13.715	10.072	0	0	0.08	0	0	99.048	0.573
BF210_24MHP416_8.1	75.723	12.49	11.706	0	0	0.047	0	0	99.966	0.513
BF210_24MHP416_8.2	75.813	12.986	11.227	0	0.008	0.007	0.012	0	100.053	0.533
BF210_24MHP416_9.1	75.993	12.497	11.617	0	0.004	0.069	0	0	100.18	0.515
BF210_24MHP416_10.1	75.87	11.88	11.913	0	0.003	0.044	0	0	99.71	0.496
BF210_24MHP416_11.1	76.02	12.594	11.504	0	0	0.026	0	0	100.144	0.519
BF210_24MHP416_12.1	75.66	14.095	9.908	0	0	0.184	0.061	0	99.908	0.584
BF210_24MHP416_13.1	75.598	13.252	10.555	0	0.019	0	0.001	0	99.425	0.554
BF210_24MHP416_14.1	75.572	12.361	12.09	0	0.071	0.065	0	0	100.159	0.502
BF210_24MHP416_14.2	75.499	12.427	11.756	0	0	0	0	0	99.682	0.511
BF210_24MHP416_15.1	75.724	14.07	10.08	0	0	0.134	0	0	100.008	0.580
BF210_24MHP416_15.2	76.022	13.764	10.2	0.011	0	0	0.022	0	100.019	0.571
BF210_24MHP416_16.1	75.938	12.607	11.356	0	0	0.173	0	0	100.074	0.523
BF210_24MHP416_16.2	75.574	13.425	10.714	0	0.031	0.08	0	0	99.824	0.553
BF211_24MHP416_1.1	75.477	12.37	12.051	0.084	0.072	0.106	0	0	100.16	0.503
BF211_24MHP416_1.2	75.937	15.041	9.175	0.001	0	0	0	0.028	100.182	0.618
BF211_24MHP416_2.1	75.762	10.339	13.902	0	0	0	0	0	100.003	0.423
BF211_24MHP416_3.1	75.697	12.899	11.252	0	0	0.091	0	0	99.939	0.531
BF211_24MHP416_3.2	75.745	13.747	10.775	0.124	0	0.091	0	0	100.482	0.557
BF211_24MHP416_4.1	75.343	8.59	15.288	0.07	0.044	0.066	0.039	0	99.44	0.357
BF211_24MHP416_5.1	76.424	13.116	11.152	0	0	0.029	0	0	100.721	0.537
BF211_24MHP416_6.1	75.719	13.333	10.788	0	0	0.007	0.032	0	99.879	0.550
BF211_24MHP416_7.1	76.477	12.687	11.796	0.01	0.023	0.168	0	0.02	101.181	0.515
BF211_24MHP416_8.1	75.918	12.323	12.017	0	0	0	0	0	100.258	0.503
24MHP416 (average, n=30)	75.81	12.93	11.22			0.07				0.53
%RSD	0.38	9.44	10.83			84.69				9.48

Table S1

BF288_24MHP225_1.1	74.86	5.787	18.391	0	0	0.622	0.012	0	99.672	0.237
BF288_24MHP225_2.1	75.021	6.072	18.167	0	0.029	0.168	0.006	0	99.463	0.248
BF288_24MHP225_2.2	75.493	6.038	18.292	0	0.018	0.247	0	0	100.088	0.246
BF288_24MHP225_3.1	76.297	5.677	18.571	0	0	0.258	0	0	100.803	0.232
BF288_24MHP225_4.1	75.181	5.792	18.401	0	0.036	0.262	0	0	99.672	0.237
BF288_24MHP225_5.1	75.069	7.389	16.816	0	0.01	0.358	0.01	0	99.652	0.303
BF288_24MHP225_6.1	75.066	7.057	17.137	0	0	0.212	0	0.008	99.48	0.289
BF288_24MHP225_6.2	75.617	6.858	17.391	0	0	0.23	0.03	0	100.126	0.280
BF288_24MHP225_7.1	75.47	6.407	17.766	0	0	0.204	0	0.006	99.853	0.263
BF288_24MHP225_8.1	74.815	5.187	18.907	0	0.026	0.222	0.018	0	99.175	0.213
24MHP225 (average, n=10)	75.29	6.23	17.98			0.28				0.25
%RSD	0.59	11.10	3.77			46.96				11.09
BF288_25YFDJS01_1.1	75.495	12.642	11.778	0	0.084	0.176	0.013	0	100.188	0.515
BF288_25YFDJS01_2.1	75.516	12.41	11.84	0	0.051	0.306	0	0	100.123	0.509
BF288_25YFDJS01_3.1	75.702	12.616	11.69	0	0	0.209	0	0	100.217	0.516
BF288_25YFDJS01_5.1	75.052	12.285	11.954	0	0.034	0.27	0	0	99.595	0.504
BF288_25YFDJS01_8.1	75.574	12.315	11.875	0	0.034	0.399	0.039	0.03	100.266	0.506
BF288_25YFDJS01_9.1	75.676	12.423	11.965	0	0	0.112	0	0	100.176	0.506
BF288_25YFDJS01_10.1	75.29	12.143	12.369	0	0.01	0.399	0	0.012	100.223	0.492
BF288_25YFDJS01_13.1	74.824	13.069	11.33	0	0	0.399	0	0	99.622	0.532
BF288_25YFDJS01_14.1	75.257	12.183	12.221	0	0	0.234	0	0	99.895	0.496
BF288_25YFDJS01_16.1	75.038	12.244	12.075	0	0	0.452	0.04	0	99.849	0.500
BF288_25YFDJS01_17.1	75.42	12.465	11.985	0	0.114	0.291	0	0	100.275	0.507
BF288_25YFDJS01_18.1	75.407	12.775	11.363	0	0	0.255	0	0	99.8	0.526
BF288_25YFDJS01_20.1	75.469	12.518	12.091	0	0.032	0.284	0	0	100.394	0.506
25YFDJS01 (average, n=13)	75.36	12.47	11.89			0.29				0.51
%RSD	0.35	2.08	2.52			34.07				2.20
Average calculated from mutiple sessions										
24MHP12B	75.42	4.16	20.18			0.16			99.94 149	0.169
WHF1	75.44	1.11	23.00			0.14			99.75 36	0.046
WHF2	75.38	0.04	24.23			0.19			99.89 36	0.002
WHF3	75.36	20.50	3.81			0.17			99.86 29	0.842

Table S1

WHF11	75.51	16.29	7.98	0.06	99.86	34	0.668
WHF12	75.53	16.47	7.83	0.05	99.90	29	0.675
23DHT24J	75.52	21.33	2.66	0.03	99.57	96	0.888
24MHP43	75.26	14.52	9.30	0.05	99.14	43	0.606
24MHP212	75.46	5.63	18.74	0.31	100.15	95	0.229
24MHP225	75.29	6.23	17.98	0.28	99.80	10	0.255
24MHP409	75.92	12.12	11.98	0.06	100.11	50	0.500
24MHP414A	75.58	11.64	12.37	0.07	99.69	20	0.482
24MHP415A	75.83	12.31	11.81	0.10	100.07	30	0.507
24MHP416	75.81	12.93	11.22	0.07	100.06	30	0.532
24MHP889	75.57	13.57	10.52	0.04	99.71	19	0.560
25YFDJS01	75.36	12.47	11.89	0.29	100.05	13	0.509
%RSD							
24MHP12B	0.63	17.10	3.69	44.20	0.55	17.24	
WHF1	0.63	111.67	5.67	49.64	0.63	111.09	
WHF2	0.51	39.36	0.83	52.17	0.50	39.21	
WHF3	0.47	3.43	18.00	44.23	0.36	3.36	
WHF11	0.62	3.99	8.19	103.58	0.37	4.00	
WHF12	0.62	2.75	5.47	108.81	0.43	2.62	
23DHT24J	0.66	1.75	14.28	148.16	0.52	1.78	
24MHP43	0.61	9.05	13.38	100.93	0.53	8.81	
24MHP212	0.52	15.33	4.89	27.39	0.45	15.64	
24MHP225	0.59	11.10	3.77	46.96	0.46	11.09	
24MHP409	0.49	12.43	13.14	90.26	0.41	12.80	
24MHP414A	0.56	13.99	13.62	74.47	0.59	14.27	
24MHP415A	0.57	18.78	20.07	62.71	0.51	19.14	
24MHP416	0.38	9.44	10.83	84.69	0.40	9.48	
24MHP889	0.97	13.13	17.10	101.79	0.92	13.28	
25YFDJS01	0.35	2.08	2.52	34.07	0.26	2.20	