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To: CASCADIA MINERALS LTD.
 1500-409 GRANVILLE ST.
 VANCOUVER BC V6C 1T2

Page: 1
 Total # Pages: 19 (A - D)
 Plus Appendix Pages
 Finalized Date: 31-AUG-2023
 Account: CASMINE

CERTIFICATE WH23224950

Project: Rosy
 P.O. No.: RO23-S01
 This report is for 683 samples of Soil submitted to our lab in Whitehorse, YT, Canada on 11-AUG-2023.
 The following have access to data associated with this certificate:

ANDREW CARNE AUSTIN SCHNEEBELI	ADAM COULTER	JOHN KELLEY
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SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21	Sample logging - ClientBarCode
SCR-41	Screen to -180um and save both

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
Au-ICP21	Au 30g FA ICP-AES Finish	ICP-AES
ME-MS61	48 element four acid ICP-MS	

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.
 ***** See Appendix Page for comments regarding this certificate *****

Signature: 
 Saa Traxler, Director, North Vancouver Operations



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CERTIFICATE OF ANALYSIS WH23224950

Sample Description	Method	WEI-21	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe
Units		kg	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%
LOD		0.02	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01
D002001		0.35	0.32	6.63	68.0	1430	1.57	0.70	1.30	2.05	42.5	13.8	118	11.20	60.2	4.94
D002002		0.36	0.75	7.31	47.9	1410	1.46	1.07	1.35	3.62	47.3	12.0	120	12.80	130.0	3.51
D002003		0.57	0.39	7.35	45.7	1620	1.66	0.53	2.18	1.84	51.0	22.1	142	8.13	102.5	5.62
D002004		0.55	0.19	6.82	26.1	1170	1.47	0.53	2.27	0.25	39.0	11.4	135	8.12	29.0	3.47
D002005		0.50	0.18	8.73	32.1	990	1.19	0.24	0.29	1.16	78.7	37.7	64	12.20	131.0	7.52
D002006		0.45	0.03	7.30	13.4	690	0.91	0.15	0.23	0.65	34.6	20.4	67	6.01	67.1	9.88
D002007		0.65	0.21	7.56	25.9	550	0.89	0.12	4.75	0.27	26.8	28.2	295	9.98	72.2	4.16
D002008		0.63	0.09	6.87	20.3	890	1.30	0.30	2.52	0.27	36.1	15.4	162	7.06	29.4	3.88
D002009		0.41	0.12	6.34	13.8	800	1.00	0.13	2.78	0.44	28.7	15.4	128	3.63	30.0	4.14
D002010		0.37	0.23	7.09	17.2	1310	1.16	0.21	2.34	0.51	31.6	15.2	128	5.40	31.6	4.34
D002011		0.72	0.07	6.78	12.3	1050	1.18	0.11	3.08	0.39	38.3	16.6	124	4.72	39.1	4.17
D002012		0.60	0.18	7.04	13.1	670	1.21	0.19	3.81	0.23	40.0	21.7	209	6.71	197.0	4.10
D002013		0.44	0.05	7.19	6.3	510	0.99	0.10	4.72	0.10	28.0	20.2	239	3.74	56.3	4.10
D002014		0.53	0.02	7.82	9.1	420	0.86	0.10	4.82	0.17	23.3	29.6	343	4.27	50.9	4.64
D002015		0.28	0.14	7.37	4.7	750	1.12	0.18	2.63	0.09	39.1	10.5	87	3.77	25.2	2.77
D002016		0.36	0.03	7.29	11.1	430	0.76	0.15	4.44	0.20	22.4	32.6	423	7.87	65.1	4.79
D002017		0.28	0.23	8.28	43.9	880	1.39	0.24	1.90	0.38	39.0	44.3	379	28.4	337	5.77
D002018		0.28	0.27	7.54	21.8	630	1.07	0.22	2.00	0.19	28.8	25.5	269	18.70	211	4.69
D002019		0.59	0.03	7.47	8.8	490	0.89	0.15	4.48	0.17	26.6	33.5	300	4.49	56.7	4.97
D002020		0.51	0.10	6.60	7.9	420	0.67	0.17	3.76	0.19	22.7	23.9	255	4.62	42.0	4.31
D002021		0.41	0.06	7.15	9.9	470	0.79	0.17	3.87	0.19	24.4	31.3	315	4.13	49.7	5.06
D002022		0.73	0.02	7.31	8.7	490	0.74	0.10	4.23	0.17	26.1	31.7	292	3.68	75.2	4.92
D002023		0.41	0.12	6.43	6.8	470	0.72	0.16	3.79	0.33	22.5	26.9	341	4.33	45.1	4.51
D002024		0.48	0.20	6.96	12.5	680	0.77	0.21	4.23	0.20	25.8	27.6	277	5.95	61.2	4.56
D002025		0.50	0.12	6.79	8.7	920	0.92	0.13	3.45	0.23	30.9	19.9	244	4.13	35.9	3.91
D002026		0.53	0.14	5.78	13.4	670	0.60	0.08	3.82	0.48	24.5	19.0	176	5.83	33.5	3.73
D002027		0.45	0.09	4.46	18.2	810	0.76	0.09	1.53	0.40	29.6	10.8	96	3.83	21.6	2.88
D002028		0.52	0.12	6.67	47.7	3070	1.18	0.08	1.54	0.33	53.8	16.8	82	6.81	69.9	4.58
D002029		0.50	1.39	7.27	73.4	3460	1.85	0.29	0.69	3.28	62.4	37.7	118	24.5	98.1	5.53
D002030		0.44	0.49	7.20	22.9	1900	1.45	0.20	2.84	0.81	44.7	25.1	250	7.53	67.9	4.11
D002031		0.51	0.50	6.46	36.1	1810	1.30	0.18	2.71	0.76	43.9	21.5	173	5.83	57.7	4.33
D002032		0.52	0.38	5.86	39.6	1330	1.12	0.16	2.24	0.28	34.1	13.9	133	11.90	34.0	4.30
D002033		0.35	1.76	7.03	356	940	1.31	5.37	0.61	0.13	53.1	4.3	395	22.7	80.3	9.63
D002034		0.41	2.20	7.98	183.0	1260	1.41	1.78	0.11	0.06	78.2	1.2	138	11.25	92.6	10.20
D002035		0.32	1.42	6.75	29.5	1180	0.82	1.78	0.62	0.10	31.9	2.8	51	17.60	110.5	7.18
D002036		0.33	0.32	6.60	18.5	960	1.17	1.61	1.03	0.13	45.5	4.0	349	9.04	144.0	5.76
D002037		0.40	1.74	7.50	243	1160	0.97	7.81	0.91	0.47	23.0	8.3	167	10.95	355	9.81
D002038		0.52	0.10	5.89	13.1	880	1.20	0.37	2.45	0.25	31.2	10.6	101	6.02	16.4	2.88
D002039		0.40	0.11	6.13	21.8	880	1.46	0.49	2.53	0.29	31.3	11.9	102	4.91	28.9	3.48
D002040		0.41	0.07	5.89	19.3	770	1.24	0.43	2.45	0.35	34.8	14.0	113	4.52	20.8	3.60



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CERTIFICATE OF ANALYSIS WH23224950

Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Ga ppm	Ge ppm	Hf ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Ni ppm	P ppm	Pb ppm
D002001		14.65	0.08	1.8	0.080	1.58	20.3	60.7	1.18	761	10.15	1.13	8.5	61.0	1430	40.4
D002002		15.25	0.15	1.7	0.115	1.70	23.9	53.0	1.54	339	4.12	1.30	7.2	58.7	760	52.0
D002003		15.00	0.09	1.7	0.079	1.49	25.4	43.0	1.83	957	6.35	1.60	7.6	72.5	860	27.5
D002004		14.50	0.08	1.4	0.060	1.37	19.0	38.9	1.70	474	1.87	1.55	8.2	43.5	700	20.0
D002005		17.80	0.14	0.8	0.090	1.79	31.0	126.5	1.92	1360	1.88	1.93	4.7	41.6	810	15.3
D002006		13.95	0.08	2.2	0.085	1.23	11.0	62.7	1.95	1100	7.78	2.09	2.7	23.8	640	17.4
D002007		13.00	0.06	1.1	0.047	0.86	11.0	32.5	3.76	717	0.96	1.54	6.2	104.5	630	8.2
D002008		13.55	0.07	1.5	0.053	1.34	17.6	36.7	1.95	690	1.74	1.65	8.7	51.1	820	17.3
D002009		11.75	0.07	1.1	0.042	1.12	12.5	26.2	1.58	632	1.73	1.72	5.7	40.3	940	11.1
D002010		13.30	0.08	1.1	0.055	1.22	13.6	36.2	1.64	629	1.64	1.81	6.7	44.7	740	14.5
D002011		12.50	0.08	1.1	0.050	1.23	17.5	31.5	1.63	723	1.16	1.87	6.6	41.9	820	11.0
D002012		12.50	0.08	1.1	0.045	1.14	18.0	28.8	2.38	821	0.76	1.69	6.9	74.6	940	9.9
D002013		13.00	0.07	1.1	0.049	0.93	12.6	22.4	3.01	685	0.43	1.75	6.9	83.1	400	8.3
D002014		13.75	0.07	0.9	0.044	0.76	9.5	27.4	4.20	774	0.48	1.55	5.3	143.0	410	7.3
D002015		16.80	0.09	2.3	0.026	1.79	18.9	22.1	1.33	492	1.51	2.36	6.4	29.4	850	9.4
D002016		12.80	0.10	1.1	0.042	0.77	9.1	31.3	4.86	846	0.91	1.33	5.4	151.0	460	7.5
D002017		14.40	0.10	1.3	0.056	1.08	20.3	58.2	3.76	2650	3.53	0.80	6.2	174.5	1340	14.8
D002018		15.25	0.08	1.5	0.043	1.14	13.6	43.5	3.19	781	1.68	1.15	6.2	134.0	1500	10.8
D002019		13.35	0.07	1.2	0.051	0.81	10.8	25.8	4.50	902	0.73	1.51	5.8	121.5	320	8.0
D002020		13.20	0.07	1.0	0.058	0.80	9.6	19.2	3.47	706	1.06	1.33	6.5	90.2	1010	8.3
D002021		13.60	0.08	1.0	0.050	0.81	10.3	27.7	4.44	846	1.06	1.36	6.3	125.5	540	9.2
D002022		13.70	0.08	0.9	0.048	0.79	10.9	23.9	4.09	830	0.54	1.49	5.8	115.0	370	7.2
D002023		12.80	0.07	1.0	0.044	0.81	9.6	23.0	4.01	721	0.98	1.32	5.8	117.5	620	7.7
D002024		12.50	0.09	0.9	0.046	0.96	13.0	29.8	4.34	787	0.78	1.45	5.8	99.7	620	8.4
D002025		11.90	0.09	1.5	0.042	1.22	15.1	25.6	4.27	706	1.89	1.24	6.0	81.6	480	10.9
D002026		10.95	0.08	1.0	0.037	0.87	14.8	27.9	7.11	669	1.42	1.11	4.7	67.4	590	7.3
D002027		8.58	0.08	1.0	0.033	0.67	19.2	16.4	2.85	555	0.85	1.05	4.4	30.0	810	8.9
D002028		15.10	0.10	1.9	0.054	1.20	21.3	25.4	3.04	937	3.16	1.79	8.4	40.9	1040	10.4
D002029		15.55	0.13	2.0	0.072	2.05	37.2	45.9	1.71	790	7.71	0.42	7.8	139.5	1630	24.3
D002030		16.75	0.16	1.8	0.052	1.51	26.3	34.3	3.41	867	8.77	1.28	9.7	107.5	740	44.5
D002031		14.50	0.14	1.5	0.052	1.45	25.4	30.9	3.25	851	9.20	1.27	9.2	73.6	940	59.1
D002032		12.45	0.12	1.3	0.052	1.20	19.9	37.0	3.43	744	2.64	0.99	6.9	46.0	1400	21.5
D002033		20.8	0.17	2.1	0.094	2.35	28.8	45.1	0.71	181	13.05	0.66	6.3	26.8	1760	334
D002034		19.65	0.19	3.1	0.171	3.38	42.2	28.1	1.10	147	6.69	0.43	4.0	7.6	1550	365
D002035		20.4	0.14	2.6	0.131	2.13	18.9	42.9	0.72	182	17.25	0.94	3.6	7.6	1150	77.1
D002036		21.6	0.15	2.6	0.114	2.33	24.8	19.7	2.62	377	4.26	1.01	5.8	42.0	740	35.2
D002037		19.55	0.14	1.0	0.473	1.83	12.4	40.2	2.94	585	3.59	0.83	4.1	30.4	780	132.0
D002038		12.70	0.12	1.3	0.050	1.39	17.1	23.8	1.28	571	1.68	1.58	7.4	27.7	660	15.8
D002039		12.55	0.16	1.3	0.056	1.31	17.3	29.8	1.37	679	1.97	1.63	6.9	33.8	950	20.7
D002040		12.90	0.16	1.3	0.046	1.29	17.9	27.1	1.50	602	1.72	1.54	7.2	38.6	660	16.3



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	Analyte	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V
Units		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
LOD		0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1	1
D002001		84.6	<0.002	0.08	6.54	14.4	4	1.8	145.5	0.68	0.15	7.72	0.348	0.99	3.7	238
D002002		71.8	0.019	1.22	4.51	19.6	23	1.8	120.5	0.49	0.25	7.75	0.342	0.88	6.3	209
D002003		69.5	<0.002	0.05	3.79	19.7	7	1.7	168.5	0.60	0.15	8.94	0.389	0.72	3.8	201
D002004		67.3	<0.002	0.02	2.06	16.6	2	1.8	158.5	0.67	0.08	10.95	0.420	0.65	2.5	164
D002005		68.4	<0.002	0.02	2.09	26.3	3	1.3	68.6	0.29	0.30	7.49	0.439	0.60	2.1	197
D002006		48.8	<0.002	0.01	2.90	18.6	5	1.0	35.6	0.16	0.08	6.94	0.262	0.34	2.1	160
D002007		33.1	0.003	0.05	0.95	27.2	2	0.9	189.5	0.66	<0.05	4.22	0.446	0.32	5.7	158
D002008		63.3	<0.002	0.02	1.72	17.2	2	1.5	182.0	0.68	0.06	6.09	0.454	0.56	2.3	161
D002009		42.2	<0.002	0.02	1.42	16.2	1	1.0	179.0	0.43	<0.05	4.82	0.396	0.40	1.7	150
D002010		51.7	<0.002	0.02	1.82	17.1	1	1.3	179.0	0.52	<0.05	4.81	0.426	0.51	1.6	167
D002011		50.0	<0.002	0.01	1.42	18.9	1	1.2	199.5	0.52	<0.05	6.33	0.438	0.48	2.0	161
D002012		46.9	<0.002	0.03	1.61	23.1	1	1.1	188.5	0.54	<0.05	6.25	0.455	0.43	2.2	154
D002013		36.6	<0.002	0.02	1.18	24.9	1	1.1	184.5	0.63	<0.05	4.71	0.498	0.31	1.8	157
D002014		28.4	<0.002	0.01	1.06	25.6	4	1.0	148.0	0.40	<0.05	3.80	0.454	0.32	1.2	157
D002015		47.1	<0.002	0.04	0.50	9.0	1	0.8	521	0.45	<0.05	5.44	0.344	0.29	2.2	78
D002016		32.7	<0.002	0.03	0.77	24.5	1	1.0	134.5	0.43	<0.05	3.05	0.435	0.26	1.4	156
D002017		50.4	<0.002	0.08	1.30	39.2	2	1.3	118.0	0.45	0.06	7.65	0.305	0.63	11.1	163
D002018		44.0	<0.002	0.09	0.85	23.6	2	1.2	217	0.52	<0.05	5.61	0.300	0.43	3.0	134
D002019		35.2	<0.002	0.01	0.86	27.0	1	1.1	144.0	0.48	<0.05	3.92	0.494	0.31	1.6	181
D002020		38.1	<0.002	0.04	0.84	23.0	1	1.1	134.0	0.55	0.05	3.18	0.469	0.28	1.2	159
D002021		34.2	<0.002	0.02	0.95	25.9	1	1.1	127.0	0.50	0.06	3.48	0.477	0.30	1.1	173
D002022		31.4	<0.002	0.01	0.94	27.5	1	1.0	152.5	0.43	<0.05	3.39	0.464	0.28	1.1	164
D002023		38.9	<0.002	0.04	0.76	21.9	1	1.0	138.0	0.45	0.05	3.27	0.447	0.28	1.2	153
D002024		33.9	<0.002	0.04	0.79	29.0	1	0.9	131.5	0.59	<0.05	3.52	0.418	0.28	2.8	154
D002025		41.1	<0.002	0.03	0.69	19.2	1	1.0	125.5	0.41	<0.05	4.16	0.390	0.31	2.5	139
D002026		25.4	<0.002	0.05	0.68	20.4	6	0.7	82.2	0.31	<0.05	2.56	0.421	0.32	1.8	142
D002027		26.6	<0.002	0.03	0.56	11.2	2	0.7	78.9	0.33	<0.05	3.27	0.258	0.21	1.4	104
D002028		41.4	<0.002	0.03	1.42	18.3	2	1.3	177.5	0.54	0.07	6.86	0.497	0.53	2.8	129
D002029		81.4	0.002	0.21	7.48	16.2	2	1.6	70.1	0.51	0.20	10.05	0.372	1.43	8.3	201
D002030		65.5	<0.002	0.02	1.84	22.7	2	1.6	152.5	0.66	0.13	6.58	0.414	0.77	2.4	162
D002031		53.8	<0.002	0.03	1.60	21.3	2	1.4	134.0	0.63	0.11	5.56	0.479	0.67	2.0	180
D002032		40.8	<0.002	0.08	1.27	17.2	1	1.2	107.5	0.52	0.08	4.94	0.437	0.46	2.1	151
D002033		129.0	<0.002	0.15	99.4	13.9	4	2.5	129.0	0.46	0.91	7.93	0.346	1.17	2.2	245
D002034		159.5	<0.002	1.75	13.05	17.1	8	1.5	110.0	0.27	0.60	17.35	0.257	1.87	2.9	254
D002035		95.7	0.002	0.46	11.95	17.6	9	2.5	206	0.24	0.45	5.55	0.273	1.10	2.4	255
D002036		118.5	<0.002	1.06	1.37	17.0	2	2.5	226	0.40	0.51	6.61	0.332	1.64	2.5	195
D002037		92.4	0.002	0.59	8.31	32.7	4	3.1	114.5	0.30	2.80	4.65	0.363	1.47	1.5	242
D002038		67.0	<0.002	0.05	1.61	13.6	1	1.4	215	0.55	0.05	5.36	0.367	0.51	1.8	129
D002039		54.6	<0.002	0.05	1.99	14.3	1	1.4	225	0.54	0.07	6.01	0.351	0.45	1.9	131
D002040		56.0	<0.002	0.02	2.00	14.5	1	1.4	193.0	0.58	<0.05	5.25	0.367	0.46	1.5	141



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Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Au-ICP21
		W ppm 0.1	Y ppm 0.1	Zn ppm 2	Zr ppm 0.5	Au ppm 0.001
D002001		2.3	11.9	275	65.0	0.003
D002002		7.0	18.4	386	64.5	0.004
D002003		2.1	22.1	247	59.9	0.008
D002004		2.2	14.1	86	51.0	0.001
D002005		0.8	21.7	129	28.8	0.002
D002006		0.5	11.7	110	81.2	<0.001
D002007		0.8	20.6	80	33.9	0.002
D002008		1.7	13.8	86	48.9	0.002
D002009		0.8	15.0	87	35.7	<0.001
D002010		1.2	14.6	98	36.9	<0.001
D002011		0.9	19.4	73	35.3	0.003
D002012		1.3	24.2	71	34.7	0.001
D002013		0.9	18.6	49	32.3	<0.001
D002014		0.8	17.1	58	24.2	<0.001
D002015		0.6	9.6	58	84.4	<0.001
D002016		1.0	13.0	75	29.1	<0.001
D002017		1.2	43.5	117	43.5	0.005
D002018		1.0	19.0	113	51.3	0.002
D002019		0.9	16.9	69	36.1	<0.001
D002020		1.0	12.8	58	32.5	<0.001
D002021		1.0	14.1	66	31.6	<0.001
D002022		0.8	17.5	64	30.3	0.003
D002023		1.0	12.6	65	31.9	<0.001
D002024		0.8	20.5	63	29.0	<0.001
D002025		1.5	15.7	70	37.4	<0.001
D002026		0.5	20.6	82	34.7	<0.001
D002027		0.4	13.7	71	39.1	<0.001
D002028		0.6	20.6	95	72.5	<0.001
D002029		1.4	42.0	350	77.7	0.005
D002030		1.3	26.3	121	62.3	0.003
D002031		1.4	24.0	132	56.1	0.002
D002032		1.3	20.8	98	47.4	0.002
D002033		13.8	6.6	113	84.4	<0.001
D002034		19.0	7.2	40	133.0	0.005
D002035		38.7	8.8	51	97.9	0.001
D002036		47.4	9.4	71	93.0	<0.001
D002037		128.0	8.6	167	35.4	0.017
D002038		5.9	11.8	70	46.8	0.241
D002039		1.3	13.8	98	45.3	0.001
D002040		1.3	14.0	95	51.8	<0.001



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Sample Description	Method	WEI-21	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe
Units		kg	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%
LOD		0.02	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01
D002041		0.42	0.17	6.63	20.8	900	1.18	0.29	2.46	0.38	32.0	15.2	96	5.41	19.0	5.30
D002042		0.38	0.22	6.52	21.4	940	1.39	0.17	2.35	0.32	35.7	11.6	128	6.02	22.9	3.38
D002043		0.67	0.12	6.80	17.7	860	1.09	0.12	2.79	0.21	28.0	13.5	171	6.37	27.6	3.47
D002044		0.50	0.13	6.66	22.1	870	1.14	0.15	2.57	0.37	34.0	14.8	158	6.38	32.9	3.46
D002045		0.31	0.22	6.58	25.2	870	1.25	0.19	1.66	0.37	35.8	10.1	105	9.70	29.2	3.52
D002046		0.49	0.09	6.10	12.0	770	1.38	0.26	2.29	0.44	42.7	12.4	111	4.17	20.6	3.77
D002047		0.46	0.23	6.41	11.6	1020	1.40	0.16	1.74	0.44	37.5	8.1	104	5.25	18.5	3.26
D002048		0.54	0.19	6.28	11.9	900	1.41	0.15	1.93	0.40	37.2	10.0	87	4.29	18.6	2.91
D002049		0.48	0.08	6.73	27.3	910	1.55	0.18	2.05	0.55	33.5	14.5	109	5.17	23.7	3.53
D002050		0.58	0.07	6.03	9.4	780	1.30	0.12	2.22	0.48	34.2	12.3	95	3.69	24.3	3.13
D002051		0.59	0.20	7.72	22.7	1000	1.15	0.17	2.94	1.09	30.2	22.8	176	5.31	40.9	4.63
D002052		0.42	0.13	7.47	18.4	1200	1.33	0.16	1.58	0.86	31.1	14.4	97	5.54	38.5	4.60
D002053		0.61	0.07	7.13	14.9	1240	1.41	0.15	1.82	0.69	33.9	13.6	96	4.77	32.2	4.08
D002054		0.46	0.10	7.18	16.3	1150	1.42	0.14	2.34	0.86	30.2	16.7	118	4.94	33.0	4.20
D002055		0.37	0.07	6.49	14.6	770	1.16	0.19	2.71	0.42	39.7	13.4	131	4.75	20.3	3.65
D002056		0.45	0.10	7.17	12.4	1020	2.17	0.20	2.20	0.50	31.8	14.8	117	5.70	31.3	4.61
D002057		0.65	0.07	6.91	16.2	670	1.22	0.14	3.42	0.46	25.9	18.2	197	6.18	22.3	4.47
D002058		0.33	0.08	7.10	11.3	1030	1.22	0.13	2.87	0.63	31.9	21.3	159	8.17	37.5	4.33
D002059		0.48	0.05	7.20	8.2	630	1.34	0.13	4.33	0.26	27.6	25.5	230	7.50	27.8	4.47
D002060		0.46	0.10	6.90	15.8	760	1.27	0.18	3.25	0.14	28.4	15.3	187	16.30	15.0	4.02
D002061		0.41	0.13	7.24	14.4	930	1.65	0.19	2.83	0.19	51.0	18.0	172	15.60	66.9	4.33
D002062		0.55	0.06	7.27	13.1	800	1.15	0.11	3.40	0.63	31.7	24.0	178	10.75	32.8	4.72
D002063		0.44	0.11	7.26	4.9	560	1.20	0.11	4.81	0.24	26.5	21.5	226	8.69	18.3	4.07
D002064		0.60	0.05	7.00	21.8	650	1.20	0.18	3.87	0.30	29.5	25.3	263	11.25	33.7	4.87
D002065		0.57	0.03	7.56	5.1	300	0.92	0.08	5.48	0.17	19.15	30.7	300	2.53	47.7	5.13
D002066		0.54	0.14	7.51	23.4	410	1.25	0.12	5.82	0.13	22.4	31.0	296	7.43	26.6	4.82
D002067		0.47	0.04	7.39	3.5	300	0.89	0.22	5.63	0.21	19.80	29.3	298	1.88	30.2	4.88
D002068		0.60	0.02	7.43	6.2	410	1.12	0.14	4.56	0.15	22.5	31.3	296	3.91	52.0	5.16
D002069		0.49	0.31	6.28	38.3	890	1.53	0.41	2.29	0.88	41.4	14.5	119	4.73	37.6	3.53
D002070		0.25	0.06	6.03	38.3	840	1.33	0.44	1.78	0.23	35.2	9.7	106	7.32	19.2	3.38
D002071		0.45	0.14	6.67	18.8	890	1.55	0.47	2.12	0.47	39.4	15.1	132	5.09	35.9	3.95
D002072		0.30	0.16	6.88	23.5	890	1.38	0.53	1.98	0.35	37.2	14.4	124	7.42	31.5	4.04
D002073		0.56	0.12	6.37	59.5	860	1.65	0.36	2.00	0.72	45.5	15.9	109	5.36	30.3	3.55
D002074		0.40	0.11	6.51	31.1	940	1.55	0.63	2.35	0.34	40.7	15.9	137	4.76	31.7	3.58
D002075		0.44	0.18	5.88	82.8	820	1.30	0.57	1.86	0.49	39.1	12.5	91	4.36	24.6	3.20
D002076		0.37	0.17	5.62	94.3	770	1.26	0.45	1.65	0.43	37.5	8.4	83	4.74	19.6	3.21
D002077		0.45	0.26	6.54	62.7	1050	1.49	0.23	1.29	0.76	48.9	11.7	78	8.59	28.5	3.29
D002078		0.54	0.24	6.55	63.2	940	1.67	0.18	1.59	0.62	46.0	11.2	90	7.43	25.4	3.31
D002079		0.44	0.31	6.74	115.5	1160	1.71	0.27	1.12	0.62	55.6	11.1	94	8.12	24.5	3.01
D002080		0.46	0.14	6.51	60.7	1080	1.74	0.22	1.38	0.48	49.0	11.2	85	6.63	19.5	2.72



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Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Ga ppm	Ge ppm	Hf ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Ni ppm	P ppm	Pb ppm
D002041		14.70	0.15	1.8	0.037	1.43	17.4	26.7	1.27	1615	4.65	1.89	6.4	28.6	890	12.0
D002042		12.75	0.17	1.3	0.042	1.45	18.4	33.9	1.45	578	4.05	1.74	7.6	36.5	940	13.4
D002043		11.90	0.13	1.2	0.037	1.33	14.5	34.2	1.89	626	3.02	1.63	6.8	46.5	640	9.9
D002044		12.80	0.15	1.3	0.038	1.39	18.1	33.2	1.84	596	2.68	1.64	7.9	51.8	620	11.7
D002045		14.85	0.18	1.5	0.044	1.47	18.3	38.5	1.21	419	2.49	1.54	7.4	37.4	660	14.8
D002046		13.10	0.19	1.5	0.048	1.44	23.3	26.1	1.34	549	1.88	1.64	7.7	37.3	920	15.0
D002047		13.25	0.13	1.6	0.045	1.58	20.6	28.1	1.14	385	2.01	1.60	8.8	29.0	700	12.5
D002048		11.05	0.15	1.5	0.037	1.76	20.3	25.7	1.15	547	1.14	1.81	9.4	28.6	350	12.2
D002049		13.35	0.19	1.4	0.037	1.44	17.5	31.8	1.42	640	1.62	1.74	7.8	40.8	700	14.2
D002050		12.00	0.18	1.1	0.045	1.26	17.3	25.6	1.27	588	1.34	1.72	7.3	34.3	390	11.2
D002051		14.95	0.18	1.2	0.049	1.33	15.8	38.9	2.01	858	1.83	1.44	5.9	70.9	460	16.4
D002052		14.10	0.15	1.4	0.056	1.33	16.2	38.0	1.43	662	2.73	1.98	6.6	40.8	710	14.2
D002053		13.05	0.16	1.3	0.049	1.35	17.4	35.4	1.44	725	1.96	2.02	7.4	36.4	510	11.9
D002054		13.70	0.18	1.2	0.048	1.36	14.9	31.9	1.72	741	2.47	1.90	7.0	46.0	660	11.4
D002055		14.35	0.16	1.6	0.048	1.30	20.8	24.1	1.52	595	1.56	1.68	9.1	38.1	750	12.5
D002056		13.95	0.13	1.4	0.050	1.22	17.0	34.3	1.58	620	2.52	2.02	5.9	36.8	860	11.6
D002057		13.30	0.15	1.0	0.050	1.06	12.9	33.5	2.26	673	1.22	1.58	6.6	54.0	570	9.6
D002058		15.10	0.18	1.2	0.054	1.34	14.9	35.9	2.13	763	1.11	1.71	7.3	59.8	450	10.6
D002059		14.30	0.17	1.2	0.052	0.98	13.7	38.1	3.09	799	0.81	1.71	6.6	80.8	280	8.9
D002060		14.75	0.16	1.3	0.047	1.31	15.6	54.2	2.37	607	1.08	1.54	8.1	57.2	720	9.9
D002061		15.35	0.22	1.6	0.055	1.37	48.1	47.6	2.12	763	0.93	1.59	8.9	64.0	1010	12.2
D002062		15.75	0.18	1.3	0.057	1.26	15.8	29.6	2.36	813	0.93	1.80	7.8	66.4	520	9.9
D002063		14.55	0.19	1.2	0.052	0.97	14.9	23.9	2.92	892	0.72	1.89	5.9	71.7	670	8.3
D002064		14.70	0.14	1.2	0.055	1.03	15.4	31.2	3.12	749	1.04	1.58	7.4	85.2	630	9.2
D002065		13.15	0.16	0.7	0.047	0.66	8.6	20.9	4.21	931	0.31	1.74	4.5	102.5	390	5.8
D002066		13.30	0.13	0.9	0.048	0.68	10.4	24.0	3.87	1335	1.25	1.79	4.8	104.0	570	6.3
D002067		12.65	0.13	0.8	0.048	0.67	9.1	16.1	3.92	839	0.40	1.82	4.5	102.5	630	6.0
D002068		13.75	0.12	1.0	0.051	0.80	10.0	26.8	3.86	878	0.46	1.58	6.9	110.5	450	7.3
D002069		12.00	0.14	1.5	0.053	1.51	20.9	30.1	1.61	628	1.82	1.63	7.9	47.9	900	23.7
D002070		15.25	0.13	1.8	0.046	1.48	16.8	27.2	1.19	404	2.23	1.43	10.1	31.4	510	20.0
D002071		13.30	0.13	1.6	0.055	1.42	18.9	32.2	1.78	543	2.17	1.52	8.6	50.3	720	20.6
D002072		14.60	0.14	1.7	0.057	1.50	18.4	32.3	1.61	535	2.04	1.55	8.6	44.7	760	28.6
D002073		12.30	0.16	1.6	0.053	1.47	22.0	31.5	1.34	621	2.07	1.57	8.1	44.2	720	27.0
D002074		13.25	0.14	1.6	0.055	1.46	19.7	30.2	1.73	586	1.38	1.67	9.1	51.0	700	27.3
D002075		11.40	0.13	1.6	0.052	1.38	18.8	27.3	1.17	496	1.60	1.58	7.4	34.1	720	31.3
D002076		10.75	0.14	1.7	0.046	1.39	19.2	26.6	0.96	388	1.75	1.52	7.5	29.2	870	31.9
D002077		12.25	0.14	2.2	0.043	1.62	22.7	34.6	0.92	542	2.10	1.70	9.5	33.7	700	32.3
D002078		12.40	0.14	1.9	0.044	1.64	22.7	38.1	1.04	515	1.86	1.60	9.2	35.1	880	25.1
D002079		13.05	0.15	2.3	0.046	1.83	27.2	46.5	0.88	588	2.50	1.49	10.2	37.0	660	65.2
D002080		12.65	0.13	2.1	0.039	1.76	23.8	34.6	0.99	552	1.12	1.67	11.0	31.3	530	16.5



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		Rb ppm	Re ppm	S %	Sb ppm	Sc ppm	Se ppm	Sn ppm	Sr ppm	Ta ppm	Te ppm	Th ppm	Ti %	Tl ppm	U ppm	V ppm
		0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1	1
D002041		46.7	0.002	0.05	1.18	11.1	2	1.1	321	0.48	0.05	5.16	0.300	0.44	2.0	95
D002042		57.0	<0.002	0.01	1.74	14.6	1	1.3	200	0.58	<0.05	6.19	0.368	0.56	1.8	145
D002043		51.9	<0.002	0.01	1.71	16.2	1	1.1	160.5	0.55	<0.05	5.02	0.355	0.46	1.5	145
D002044		56.7	<0.002	0.01	2.43	16.2	1	1.2	158.5	0.59	<0.05	5.85	0.362	0.52	1.6	146
D002045		64.2	<0.002	0.02	2.17	13.8	1	1.4	165.0	0.54	<0.05	6.54	0.321	0.63	1.8	147
D002046		64.3	<0.002	0.02	1.56	14.9	1	1.4	181.0	0.60	0.06	8.37	0.347	0.52	1.9	140
D002047		64.0	<0.002	0.02	1.74	14.1	1	1.4	156.5	0.71	<0.05	6.64	0.368	0.67	2.0	171
D002048		64.7	<0.002	0.01	1.29	12.0	1	1.2	154.5	0.75	<0.05	7.98	0.339	0.60	2.0	123
D002049		63.2	<0.002	0.01	1.43	16.1	1	1.4	148.0	0.67	<0.05	6.64	0.351	0.63	1.9	151
D002050		53.2	<0.002	0.01	1.21	15.1	1	1.2	164.0	0.56	<0.05	5.64	0.341	0.48	1.6	136
D002051		41.5	<0.002	0.01	2.79	21.5	2	1.2	153.0	0.40	0.05	5.04	0.398	0.55	2.0	191
D002052		52.1	<0.002	0.01	1.68	17.9	1	1.3	127.5	0.50	0.08	5.35	0.377	0.59	1.8	195
D002053		51.5	0.002	0.01	1.47	17.0	2	1.2	144.5	0.55	<0.05	5.90	0.407	0.55	1.8	175
D002054		53.0	<0.002	0.01	1.77	19.2	2	1.3	166.5	0.54	0.05	5.42	0.407	0.59	1.6	184
D002055		54.5	<0.002	0.02	1.36	18.0	1	1.5	188.0	0.69	<0.05	7.93	0.430	0.49	1.8	144
D002056		49.7	<0.002	0.03	1.43	20.0	2	1.2	159.5	0.46	0.06	6.38	0.396	0.52	1.7	188
D002057		43.3	<0.002	0.02	1.14	20.7	1	1.3	160.5	0.50	<0.05	4.33	0.465	0.44	1.3	167
D002058		52.3	<0.002	0.02	1.50	22.4	1	1.4	180.0	0.55	<0.05	5.62	0.439	0.53	1.4	164
D002059		45.2	<0.002	0.02	1.04	27.3	1	1.3	173.0	0.51	<0.05	4.78	0.480	0.42	1.8	173
D002060		52.5	<0.002	0.03	1.31	19.8	1	1.5	179.5	0.65	<0.05	5.16	0.458	0.44	2.3	165
D002061		61.3	<0.002	0.04	1.28	26.3	1	1.6	204	0.70	<0.05	8.23	0.424	0.50	3.2	152
D002062		49.9	<0.002	0.01	1.59	25.5	1	1.4	200	0.56	<0.05	5.12	0.503	0.43	1.3	180
D002063		39.9	<0.002	0.02	1.12	27.5	1	1.2	210	0.46	<0.05	4.76	0.485	0.33	1.9	164
D002064		45.4	<0.002	0.02	1.33	24.2	1	1.5	178.0	0.57	<0.05	5.20	0.480	0.36	1.8	172
D002065		26.2	<0.002	0.01	0.94	29.9	1	1.0	143.0	0.35	<0.05	2.96	0.537	0.25	0.8	185
D002066		24.7	<0.002	0.01	1.08	31.4	<1	0.9	171.5	0.39	<0.05	3.00	0.535	0.27	3.4	186
D002067		25.0	<0.002	0.01	0.84	30.3	1	0.9	159.0	0.34	<0.05	2.98	0.567	0.22	0.8	189
D002068		27.1	<0.002	0.01	0.99	28.6	<1	1.2	143.0	0.51	<0.05	4.08	0.528	0.33	1.6	186
D002069		62.2	<0.002	0.02	2.97	16.6	1	1.6	170.5	0.61	<0.05	7.32	0.372	0.56	2.4	152
D002070		79.0	<0.002	0.02	2.07	15.0	1	1.8	169.5	0.75	0.05	6.15	0.409	0.60	1.9	164
D002071		61.9	<0.002	0.03	2.23	17.0	1	1.5	162.0	0.61	0.07	7.43	0.393	0.54	2.1	159
D002072		66.9	<0.002	0.03	2.45	16.6	1	1.5	198.5	0.60	0.07	6.32	0.391	0.57	2.0	156
D002073		66.8	<0.002	0.03	2.93	15.5	1	1.5	159.5	0.57	0.05	8.60	0.348	0.59	2.5	147
D002074		62.5	<0.002	0.02	2.86	18.2	1	1.5	173.5	0.70	0.11	6.86	0.396	0.56	2.1	158
D002075		60.5	<0.002	0.02	4.31	14.2	1	1.3	161.5	0.53	<0.05	6.03	0.338	0.52	1.8	137
D002076		59.7	<0.002	0.02	4.20	12.3	1	1.3	145.0	0.57	<0.05	5.98	0.312	0.53	1.9	134
D002077		70.8	<0.002	0.02	3.28	13.2	1	1.5	135.5	0.64	<0.05	9.62	0.310	0.70	2.4	164
D002078		74.3	<0.002	0.02	3.10	14.2	1	1.5	145.0	0.64	<0.05	8.86	0.309	0.66	2.3	146
D002079		84.0	<0.002	0.02	4.59	13.4	2	2.3	114.5	0.67	<0.05	10.10	0.296	0.87	2.6	180
D002080		78.0	<0.002	0.01	2.61	13.2	1	1.4	122.0	0.73	<0.05	9.42	0.305	0.67	2.3	125



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Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Au-ICP21
		W ppm 0.1	Y ppm 0.1	Zn ppm 2	Zr ppm 0.5	Au ppm 0.001
D002041		1.0	13.9	98	70.1	<0.001
D002042		1.3	14.2	90	43.3	0.001
D002043		1.3	12.8	83	39.9	0.001
D002044		1.6	12.9	95	43.8	<0.001
D002045		1.1	11.3	105	56.7	0.018
D002046		1.0	15.2	92	48.0	<0.001
D002047		1.1	11.5	101	58.1	<0.001
D002048		1.0	12.8	73	50.0	0.001
D002049		1.0	13.9	100	47.3	0.001
D002050		0.8	14.0	81	40.5	<0.001
D002051		0.9	14.8	195	43.4	<0.001
D002052		1.0	13.8	174	50.8	0.158
D002053		1.0	15.2	122	45.2	0.002
D002054		0.9	16.5	120	40.4	0.002
D002055		1.1	16.6	69	45.0	0.009
D002056		1.0	14.3	134	49.0	0.001
D002057		1.0	15.7	70	32.7	<0.001
D002058		1.0	17.1	83	37.3	0.001
D002059		0.9	19.3	71	38.3	<0.001
D002060		1.1	14.5	83	42.5	<0.001
D002061		1.0	82.0	91	49.2	0.002
D002062		1.2	19.3	96	40.8	0.002
D002063		0.8	24.7	58	38.9	<0.001
D002064		1.0	18.1	89	37.9	0.001
D002065		0.9	19.3	60	19.8	<0.001
D002066		0.7	27.1	55	24.0	0.002
D002067		0.9	19.3	58	21.2	<0.001
D002068		1.0	18.2	69	25.6	0.001
D002069		1.8	16.1	125	48.6	0.006
D002070		1.6	12.1	90	54.9	<0.001
D002071		2.5	14.2	108	48.4	0.001
D002072		2.2	12.5	101	53.9	<0.001
D002073		1.5	14.8	131	48.8	0.032
D002074		1.8	16.3	99	49.6	0.001
D002075		1.3	14.3	100	48.2	0.001
D002076		1.2	12.7	102	49.9	0.005
D002077		1.3	14.2	177	70.7	0.002
D002078		1.2	13.4	161	60.2	0.001
D002079		1.3	12.2	154	74.0	0.002
D002080		1.2	12.2	98	65.1	0.001



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Sample Description	Method	WEI-21	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe
Units		kg	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%
LOD		0.02	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01
D002081		0.46	0.06	6.21	15.9	860	1.62	0.16	2.05	0.60	40.7	14.1	100	4.61	19.7	3.26
D002082		0.41	0.13	6.17	6.7	620	1.25	0.37	2.68	0.28	30.6	14.3	121	2.97	17.4	3.95
D002083		0.39	0.33	8.27	11.5	1620	2.23	0.29	0.77	0.43	75.4	10.4	124	9.30	32.3	3.95
D002084		0.38	0.19	7.96	23.8	2560	1.49	0.20	0.72	0.89	41.4	9.0	113	12.00	43.3	6.77
D002085		0.41	0.06	6.50	14.7	930	1.45	0.17	1.92	0.62	39.5	12.6	103	5.06	18.6	3.28
D002086		0.34	0.18	7.47	33.2	1080	1.51	0.22	1.95	0.62	40.3	17.5	128	8.30	34.3	4.53
D002087		0.62	0.07	6.27	9.6	830	1.35	0.14	2.16	0.38	37.7	14.5	94	3.42	21.4	3.23
D002088		0.58	0.05	7.67	10.6	950	1.38	0.17	1.37	0.55	35.5	12.1	70	12.90	19.6	3.07
D002089		0.38	0.05	7.22	13.0	950	2.11	0.29	1.28	0.59	45.8	16.7	100	6.90	34.0	3.85
D002090		0.32	0.10	7.35	18.6	1060	1.88	0.35	1.33	0.43	56.0	8.1	82	14.30	11.8	2.84
D002091		0.39	0.07	7.09	11.0	910	1.39	0.15	2.95	0.28	33.1	16.0	138	4.88	19.9	3.88
D002092		0.56	0.04	6.83	12.4	970	1.45	0.14	2.89	0.35	42.6	16.2	122	5.90	15.8	3.73
D002093		0.53	0.09	7.07	12.8	850	1.25	0.20	3.61	0.23	32.8	20.4	191	13.40	20.1	4.91
D002094		0.42	0.13	7.10	18.5	1030	1.79	0.27	2.43	0.27	40.7	20.5	173	22.5	31.1	4.62
D002095		0.47	0.08	6.84	26.5	900	1.44	0.13	2.73	0.18	32.4	15.6	138	9.93	12.6	3.90
D002096		0.55	0.05	7.09	8.9	980	1.72	0.23	2.85	0.27	37.5	16.0	150	8.07	16.0	3.92
D002097		0.46	0.04	7.03	7.2	690	1.05	0.12	4.16	0.12	35.3	22.9	210	4.43	13.8	3.97
D002098		0.64	0.10	7.34	8.1	630	1.32	0.17	4.15	0.26	31.9	23.0	228	9.55	42.6	4.23
D002099		0.51	0.14	7.10	9.7	800	1.30	0.18	3.31	0.25	33.5	16.6	161	23.3	15.6	3.57
D002100		0.50	0.03	7.28	5.5	490	0.95	0.09	5.40	0.17	24.3	25.5	255	3.92	18.2	4.54
D002101		0.73	0.09	7.47	8.4	510	1.03	0.13	5.22	0.25	25.3	34.0	302	3.74	65.4	5.20
D002102		0.60	0.05	7.46	5.6	420	0.98	0.10	5.72	0.12	22.3	26.7	286	2.89	22.9	4.52
D002103		0.30	0.03	7.24	4.6	330	0.92	0.08	5.81	0.14	21.3	26.1	269	2.13	20.4	4.45
D002104		0.74	0.04	7.17	3.0	430	1.82	0.10	5.36	0.12	28.2	25.7	257	1.98	22.7	4.38
D002105		0.46	0.33	9.03	133.0	1730	3.05	0.76	0.09	3.50	139.5	17.4	64	30.0	50.9	4.93
D002106		0.34	0.26	6.64	60.9	1030	1.74	0.73	0.92	0.74	47.5	6.3	85	23.0	17.0	3.24
D002107		0.39	0.46	8.46	124.5	1790	3.43	1.56	0.61	2.08	67.8	8.9	85	61.0	58.0	4.34
D002108		0.46	0.98	6.90	90.4	1530	1.55	1.86	0.51	0.37	54.2	5.6	63	9.70	38.9	3.72
D002109		0.44	0.80	6.81	97.6	1520	1.39	1.65	0.49	0.81	61.2	4.0	61	12.60	34.0	3.54
D002110		0.49	2.01	7.93	215	1990	2.28	6.40	0.47	2.41	70.1	12.0	104	12.70	82.9	5.86
D002111		0.36	0.43	7.58	74.8	1610	1.83	2.62	0.74	1.64	55.0	4.4	130	7.86	50.6	5.36
D002112		0.36	0.49	7.20	247	1470	1.70	3.52	0.70	1.13	45.1	6.1	111	9.71	46.3	4.65
D002113		0.39	0.40	7.34	138.0	1270	1.44	2.93	1.00	1.05	42.7	6.5	97	7.01	40.2	4.67
D002114		0.38	0.59	8.69	188.0	1520	1.96	4.10	0.76	1.64	49.5	13.1	94	10.45	81.7	6.37
D002115		0.36	1.33	7.47	366	1370	1.62	3.89	1.19	3.83	51.2	7.7	90	32.4	46.5	4.31
D002116		0.53	0.43	6.76	123.5	1320	1.55	1.94	1.05	1.31	57.2	6.9	81	7.92	36.8	3.84
D002117		0.49	1.39	6.24	256	1160	1.34	2.26	0.66	1.03	52.5	6.1	78	7.60	49.6	4.80
D002118		0.36	0.35	7.11	140.5	1170	1.94	0.82	1.32	0.96	58.9	11.1	102	12.20	21.9	4.28
D002119		0.44	0.16	8.55	1785	1290	2.13	0.20	0.14	1.23	51.7	30.7	1195	43.1	12.2	5.81
D002120		0.28	0.40	7.34	284	1820	2.14	0.81	0.32	2.20	87.8	11.4	88	14.50	30.8	4.02



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Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P	Pb
		ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm
		0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10	0.5
D002081		11.75	0.14	1.9	0.038	1.59	20.2	27.8	1.17	602	1.56	1.63	8.3	39.7	920	14.7
D002082		13.70	0.13	1.5	0.045	1.07	14.4	20.7	1.56	581	1.24	1.62	10.2	37.7	690	12.2
D002083		20.1	0.18	3.6	0.068	2.45	37.4	42.9	1.03	438	3.78	1.28	10.6	39.6	690	19.5
D002084		18.25	0.17	2.6	0.074	1.82	22.1	85.4	0.68	315	14.75	1.11	6.5	63.8	1200	18.1
D002085		11.45	0.11	1.7	0.038	1.57	18.5	27.9	1.26	583	1.50	1.77	10.0	33.3	550	13.1
D002086		15.25	0.14	2.0	0.051	1.69	20.6	44.6	1.40	681	2.79	1.42	9.3	55.5	940	18.6
D002087		11.40	0.14	1.4	0.034	1.41	17.6	23.2	1.24	665	1.20	1.84	9.4	31.8	540	11.6
D002088		14.15	0.13	1.6	0.033	1.55	17.0	36.5	1.02	641	1.22	2.12	8.8	25.3	520	11.8
D002089		15.50	0.14	2.1	0.049	1.73	20.4	40.2	1.31	745	1.22	1.48	12.5	51.7	870	16.9
D002090		15.85	0.15	2.2	0.036	1.98	28.3	51.2	1.05	411	5.56	1.75	16.4	32.3	930	17.2
D002091		13.50	0.14	1.4	0.042	1.39	15.7	25.3	1.84	660	1.07	1.88	9.5	43.8	650	11.2
D002092		14.10	0.16	1.5	0.042	1.43	19.8	33.5	1.68	682	1.40	1.89	9.5	41.5	340	12.5
D002093		14.95	0.14	1.4	0.054	1.15	14.9	33.5	2.43	688	1.54	1.63	9.8	64.8	750	11.1
D002094		15.25	0.17	1.6	0.055	1.33	24.1	46.4	2.01	875	1.58	1.44	9.5	65.5	1290	14.3
D002095		13.75	0.15	1.5	0.042	1.41	16.7	28.0	1.91	624	0.82	1.85	8.6	43.8	510	10.1
D002096		15.90	0.14	1.9	0.048	1.65	18.1	31.7	1.88	652	1.52	1.82	12.1	51.3	710	15.5
D002097		14.15	0.17	1.3	0.045	1.19	16.8	22.8	2.69	671	0.77	1.86	9.2	74.0	270	8.9
D002098		15.05	0.14	1.4	0.046	1.23	15.8	25.5	2.80	608	1.24	1.79	9.7	80.4	730	11.5
D002099		15.00	0.14	1.8	0.045	1.53	16.7	33.9	1.95	724	1.27	1.61	11.3	52.4	900	10.8
D002100		13.45	0.14	1.1	0.049	0.87	11.1	18.4	3.18	782	0.93	1.82	6.8	83.4	570	7.3
D002101		14.70	0.15	1.0	0.057	0.84	11.7	24.4	3.83	911	1.02	1.72	6.1	117.5	680	7.5
D002102		13.65	0.13	0.9	0.045	0.76	10.8	17.3	3.63	790	0.58	1.83	5.5	98.9	600	6.8
D002103		13.40	0.14	0.9	0.051	0.69	9.5	14.8	3.36	768	0.37	1.81	4.9	89.0	660	6.1
D002104		13.65	0.14	1.1	0.048	0.82	14.1	17.2	3.44	763	0.35	1.86	6.2	88.9	740	7.3
D002105		22.8	0.21	5.6	0.129	3.24	63.9	64.7	0.82	1510	12.55	1.26	16.8	91.6	620	126.5
D002106		15.25	0.14	2.3	0.074	1.76	23.9	40.0	0.76	470	5.63	1.45	14.1	24.4	1410	67.7
D002107		20.9	0.17	3.8	0.124	2.66	36.9	87.9	0.88	671	9.80	1.63	14.5	57.7	990	116.0
D002108		15.10	0.15	2.2	0.118	2.76	29.3	35.7	0.68	263	42.9	0.94	7.3	20.9	770	86.7
D002109		15.15	0.15	2.2	0.096	2.89	32.9	34.3	0.60	288	50.4	0.98	7.8	15.2	740	74.0
D002110		21.2	0.18	2.8	0.365	2.59	38.0	37.6	1.04	533	33.5	0.89	9.5	40.4	1090	360
D002111		18.90	0.15	2.3	0.202	1.98	29.2	20.2	1.07	370	10.95	1.00	8.1	31.8	1410	75.1
D002112		16.50	0.15	2.3	0.203	2.01	24.1	26.7	1.01	428	10.70	1.02	9.6	32.1	1430	115.0
D002113		17.35	0.14	2.1	0.178	1.84	23.2	24.7	0.91	437	8.63	1.38	11.0	26.4	1200	98.6
D002114		17.60	0.16	2.2	0.332	2.14	26.0	37.3	1.07	544	21.8	1.23	8.3	53.9	1250	211
D002115		15.45	0.14	2.1	0.244	2.02	25.0	59.5	0.94	606	13.70	1.12	7.7	35.2	1380	180.0
D002116		14.70	0.14	2.1	0.159	1.92	28.1	42.8	0.90	371	14.60	1.43	9.5	28.0	930	98.6
D002117		13.85	0.15	2.0	0.183	1.73	28.7	33.1	0.74	306	10.30	1.19	7.9	30.6	1270	161.0
D002118		16.70	0.16	2.5	0.099	1.73	30.4	45.3	1.08	634	7.34	1.67	12.6	34.8	560	129.5
D002119		20.9	0.14	2.7	0.051	2.72	23.6	659	0.58	1340	2.80	0.37	9.4	312	910	23.2
D002120		16.50	0.15	3.1	0.091	2.52	39.2	46.8	0.92	930	8.26	1.26	12.9	56.6	550	157.5



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CERTIFICATE OF ANALYSIS WH23224950

Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Rb ppm	Re ppm	S %	Sb ppm	Sc ppm	Se ppm	Sn ppm	Sr ppm	Ta ppm	Te ppm	Th ppm	Ti %	Tl ppm	U ppm	V ppm
		0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1	1
D002081		66.9	<0.002	0.01	2.02	15.0	1	1.1	150.5	0.60	<0.05	7.85	0.318	0.57	2.1	135
D002082		46.2	<0.002	0.02	0.96	19.5	1	1.3	182.5	1.07	<0.05	5.26	0.474	0.37	1.6	152
D002083		110.0	<0.002	0.04	1.81	19.4	2	1.9	110.5	0.69	0.07	14.40	0.344	1.04	3.6	243
D002084		81.8	<0.002	0.03	2.21	21.2	5	1.4	137.0	0.43	0.09	7.67	0.264	1.20	3.6	331
D002085		62.5	<0.002	0.01	1.64	15.0	<1	1.1	154.5	0.83	<0.05	7.76	0.356	0.60	2.9	145
D002086		71.9	<0.002	0.02	2.80	17.6	1	1.4	162.5	0.63	0.05	8.10	0.373	0.68	3.4	180
D002087		58.3	<0.002	0.01	1.21	15.8	1	1.0	173.0	0.71	<0.05	7.32	0.361	0.51	2.3	131
D002088		68.1	<0.002	0.01	1.35	13.6	1	1.0	174.5	0.61	<0.05	6.78	0.344	0.58	2.0	117
D002089		86.3	<0.002	0.01	1.20	15.5	<1	2.1	152.5	0.93	<0.05	9.48	0.381	0.67	2.1	136
D002090		103.0	<0.002	0.02	1.52	13.3	1	1.7	148.5	1.15	<0.05	12.85	0.330	0.81	3.6	106
D002091		55.8	<0.002	0.01	1.17	20.1	1	1.3	188.5	0.65	<0.05	6.14	0.447	0.52	1.8	159
D002092		61.7	<0.002	0.01	1.24	20.0	1	1.2	198.5	0.69	<0.05	8.40	0.408	0.52	2.2	147
D002093		53.8	<0.002	0.02	1.07	25.2	1	1.4	189.5	0.83	<0.05	5.46	0.552	0.45	3.1	193
D002094		59.6	<0.002	0.04	1.22	22.8	1	1.6	186.0	0.67	<0.05	9.06	0.415	0.55	3.5	157
D002095		53.5	<0.002	0.02	3.89	18.6	<1	1.3	222	0.62	<0.05	5.48	0.458	0.44	1.8	152
D002096		80.5	<0.002	0.02	1.15	20.0	1	1.8	189.0	0.92	<0.05	8.47	0.441	0.64	2.2	165
D002097		54.5	<0.002	0.01	1.11	26.1	<1	1.1	185.5	0.67	<0.05	5.46	0.481	0.40	1.4	157
D002098		39.8	<0.002	0.01	1.40	25.9	2	1.2	163.5	0.67	<0.05	6.89	0.494	0.56	2.6	171
D002099		67.0	<0.002	0.04	1.08	20.8	<1	1.3	188.0	0.82	<0.05	8.86	0.417	0.57	2.9	132
D002100		30.3	<0.002	0.01	1.15	29.0	<1	1.0	189.5	0.59	<0.05	3.29	0.526	0.28	1.8	185
D002101		27.0	<0.002	0.01	1.24	32.4	1	1.1	168.5	0.45	<0.05	4.05	0.519	0.32	1.4	191
D002102		25.6	<0.002	0.01	0.96	29.6	<1	1.0	190.5	0.41	<0.05	3.21	0.531	0.25	1.8	179
D002103		27.7	<0.002	0.01	0.92	31.2	<1	1.0	182.0	0.37	<0.05	2.53	0.546	0.22	1.0	182
D002104		33.8	<0.002	<0.01	0.89	31.1	<1	1.1	187.5	0.47	<0.05	4.18	0.598	0.28	1.3	186
D002105		152.0	<0.002	0.04	20.1	12.4	4	3.7	46.2	1.02	0.10	25.4	0.232	1.89	6.6	173
D002106		76.5	<0.002	0.07	4.80	12.2	<1	2.0	147.0	0.93	0.09	9.74	0.351	0.76	4.2	137
D002107		133.0	<0.002	0.11	13.10	16.0	1	2.6	136.5	0.96	0.17	21.8	0.285	1.24	17.6	215
D002108		106.0	<0.002	0.34	20.9	12.4	2	2.7	159.0	0.46	0.31	10.20	0.247	1.05	3.3	150
D002109		110.0	<0.002	0.38	13.95	12.6	4	2.7	166.5	0.48	0.24	10.50	0.244	1.05	3.0	153
D002110		115.5	<0.002	0.24	52.7	16.4	3	3.1	128.0	0.56	0.62	14.35	0.291	1.30	4.5	243
D002111		92.4	<0.002	0.26	7.98	15.6	4	2.2	162.0	0.51	0.46	14.45	0.329	0.99	4.0	216
D002112		89.5	<0.002	0.14	21.2	14.0	1	2.5	127.5	0.61	0.72	8.56	0.347	0.97	3.2	195
D002113		82.2	<0.002	0.11	13.15	15.2	2	2.1	184.0	0.73	0.47	7.81	0.389	0.80	3.1	179
D002114		93.5	<0.002	0.21	29.2	19.6	3	2.7	152.0	0.54	0.72	9.44	0.339	0.97	4.6	243
D002115		94.1	<0.002	0.11	34.8	14.4	1	2.3	171.5	0.51	0.36	10.00	0.292	0.93	3.8	157
D002116		84.8	<0.002	0.11	14.80	13.9	1	2.3	172.5	0.60	0.40	8.75	0.332	0.76	3.1	153
D002117		78.9	<0.002	0.11	54.9	13.4	2	2.2	127.0	0.46	0.34	8.97	0.284	0.82	3.1	172
D002118		76.6	<0.002	0.08	28.1	13.9	1	2.2	222	0.74	0.09	10.60	0.361	0.80	3.0	159
D002119		164.5	<0.002	0.03	221	13.0	2	1.3	29.2	0.48	<0.05	8.79	0.204	2.34	2.2	152
D002120		104.5	<0.002	0.09	12.65	12.1	2	2.3	85.1	0.75	0.13	14.10	0.269	1.19	3.6	172



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Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Au-ICP21
		W ppm 0.1	Y ppm 0.1	Zn ppm 2	Zr ppm 0.5	Au ppm 0.001
D002081		1.0	14.7	113	53.3	<0.001
D002082		1.1	16.4	65	42.2	<0.001
D002083		1.3	13.1	171	122.0	0.001
D002084		1.5	11.7	534	85.2	0.002
D002085		1.1	13.0	115	49.5	<0.001
D002086		1.1	14.9	244	59.0	0.001
D002087		1.0	14.6	77	43.2	0.002
D002088		1.3	11.7	85	44.2	<0.001
D002089		1.2	13.3	125	71.1	0.002
D002090		1.6	14.2	119	63.9	0.001
D002091		1.4	16.5	82	38.3	0.001
D002092		1.0	17.7	85	44.3	<0.001
D002093		1.1	21.6	104	38.0	0.004
D002094		1.1	33.6	128	45.8	<0.001
D002095		1.0	18.1	74	42.0	<0.001
D002096		1.5	16.3	102	55.7	<0.001
D002097		1.0	18.6	55	44.8	0.005
D002098		1.1	20.1	70	37.8	0.001
D002099		1.1	17.9	85	48.8	0.002
D002100		0.8	20.2	63	28.5	<0.001
D002101		1.0	22.8	73	28.0	0.001
D002102		0.7	19.5	55	25.8	0.002
D002103		0.8	21.7	49	25.3	0.001
D002104		0.9	21.7	54	31.9	<0.001
D002105		2.1	24.1	721	191.0	<0.001
D002106		3.0	13.5	140	79.3	0.006
D002107		3.6	24.9	486	125.0	0.002
D002108		11.0	10.0	136	74.1	<0.001
D002109		11.7	8.9	116	77.8	0.001
D002110		9.7	17.3	466	101.5	0.001
D002111		5.3	14.3	224	89.7	<0.001
D002112		7.0	13.8	247	82.5	<0.001
D002113		4.6	13.8	193	71.2	0.001
D002114		6.9	16.9	520	80.9	0.001
D002115		5.8	18.7	710	73.4	0.002
D002116		6.1	12.9	311	70.9	<0.001
D002117		3.9	13.6	257	69.9	0.001
D002118		2.7	13.3	244	84.3	<0.001
D002119		1.9	9.1	196	89.6	<0.001
D002120		3.5	15.3	374	104.5	0.006



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Sample Description	Method	WEI-21	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe
Units		kg	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%
LOD		0.02	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01
D002121		0.38	0.22	8.31	80.9	1930	2.16	0.18	0.24	1.00	83.5	11.1	72	14.05	14.7	3.98
D002122		0.37	0.67	8.08	103.5	2300	2.33	0.21	0.38	2.29	87.3	11.3	80	15.25	27.1	3.83
D002123		0.36	0.54	7.78	73.3	2500	2.18	0.22	0.39	1.45	90.7	8.6	70	11.20	20.4	3.22
D002124		0.47	0.66	10.80	32.7	1340	2.64	0.39	0.15	0.93	65.0	32.1	171	34.3	79.2	5.18
D002125		0.38	1.03	8.81	81.2	860	1.91	0.41	0.47	0.98	60.6	35.1	211	11.55	79.7	6.06
D002126		0.35	2.04	7.32	162.5	1040	1.58	0.41	1.11	2.54	50.2	17.7	147	7.63	46.0	4.25
D002127		0.33	0.56	7.23	150.0	1060	1.26	0.44	0.98	2.98	40.3	26.8	107	12.70	45.6	4.58
D002128		0.43	1.07	7.57	200	1040	1.44	0.50	0.96	1.37	47.0	20.6	122	10.65	58.2	5.80
D002129		0.45	0.30	8.03	80.8	940	1.24	0.36	1.01	1.07	39.5	24.3	131	7.62	59.7	5.70
D002130		0.40	1.05	9.73	45.4	2400	1.00	0.22	0.28	2.79	22.1	23.7	52	15.60	71.5	7.86
D002131		0.52	0.05	6.85	10.1	650	0.86	0.12	3.44	0.13	28.1	22.5	270	7.09	22.8	4.53
D002132		0.39	0.14	7.41	9.7	720	1.20	0.16	3.71	0.15	34.4	22.6	226	8.10	32.7	4.58
D002133		0.32	0.12	7.72	7.6	750	1.21	0.16	3.63	0.13	32.3	21.6	205	5.13	54.1	4.09
D002134		0.64	0.05	7.41	4.1	430	1.21	0.10	5.45	0.12	22.5	27.5	267	3.24	29.8	4.58
D002135		0.82	0.08	7.38	5.1	430	1.06	0.11	5.41	0.16	26.5	28.5	286	2.96	50.6	4.56
D002136		0.62	0.07	7.74	7.7	470	0.96	0.11	5.02	0.10	20.7	30.4	313	5.52	61.0	5.37
D002137		0.53	0.05	7.53	4.6	550	0.95	0.19	4.05	0.20	25.6	23.0	264	5.25	31.9	4.52
D002138		0.44	0.07	7.38	9.8	480	0.96	0.11	4.32	0.32	27.2	25.3	259	3.80	36.3	5.06
D002139		0.40	0.04	7.39	6.6	540	1.11	0.17	4.27	0.21	23.8	21.5	261	4.06	27.8	4.57
D002140		0.48	0.04	6.85	6.8	630	1.05	0.19	3.49	0.18	26.7	21.3	224	4.15	25.7	4.21
D002141		0.55	0.05	7.93	5.1	390	1.10	0.10	5.07	0.16	20.2	27.9	319	2.39	47.3	4.36
D002142		0.40	0.04	7.23	5.9	450	0.93	0.18	4.44	0.15	26.5	26.6	300	3.50	35.0	4.60
D002143		0.55	0.06	7.72	5.8	320	0.84	0.13	5.54	0.14	18.45	35.3	371	3.13	63.4	4.96
D002144		0.50	0.06	7.59	5.3	300	1.29	0.12	5.52	0.16	19.80	39.3	370	2.59	97.5	5.07
D002145		0.50	0.04	7.75	8.1	440	1.51	0.11	5.19	0.13	18.95	32.7	382	4.29	98.7	4.58
D002146		0.54	0.03	7.31	8.2	380	0.81	0.10	5.25	0.13	23.7	31.3	321	3.29	46.6	4.93
D002147		0.56	0.04	7.78	7.8	370	0.79	0.10	5.58	0.16	16.35	39.3	384	2.67	71.4	5.15
D002148		0.57	0.03	7.76	8.2	240	0.52	0.06	6.69	0.12	12.05	38.0	379	1.42	53.4	5.10
D002149		0.51	0.03	7.43	8.1	320	0.62	0.10	4.96	0.16	14.65	36.2	360	2.79	43.3	5.09
D002150		0.48	0.12	7.65	11.3	290	0.59	0.09	5.10	0.17	16.40	44.2	392	3.24	105.0	5.42
D002151		0.45	0.05	7.66	11.6	290	0.65	0.08	5.04	0.19	19.30	43.7	314	2.97	70.7	6.35
D002152		0.46	0.18	7.60	10.4	580	0.94	0.18	3.52	0.18	23.8	35.3	296	7.39	114.5	6.00
D002153		0.43	0.10	7.09	7.9	660	1.22	0.20	2.81	0.19	29.3	22.7	247	4.56	57.4	4.96
D002154		0.40	0.10	7.97	7.6	440	0.59	0.10	4.29	0.14	14.65	36.5	396	3.68	53.9	5.12
D002155		0.59	0.10	7.39	10.6	620	0.79	0.13	4.39	0.15	21.0	33.8	330	3.06	55.9	4.78
D002156		0.42	0.14	4.46	13.0	2540	0.65	0.05	0.81	0.48	22.1	8.5	68	3.57	32.4	2.36
D002157		0.54	0.60	7.10	19.8	1930	1.48	0.19	1.87	0.90	42.1	14.4	135	6.52	52.9	4.34
D002158		0.50	0.59	7.09	40.8	2390	1.58	0.26	2.30	1.38	49.2	23.5	191	9.06	85.2	4.91
D002159		0.39	0.46	7.33	37.9	2490	1.85	0.27	1.61	1.04	57.9	17.3	134	17.70	71.5	4.32
D002160		0.47	0.31	7.01	50.2	2040	1.61	0.20	2.04	0.53	60.7	17.8	111	12.25	44.3	4.85



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Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Ga ppm	Ge ppm	Hf ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Ni ppm	P ppm	Pb ppm
D002121		19.85	0.17	3.3	0.059	2.73	41.3	55.9	0.65	796	3.31	2.12	12.0	25.9	660	97.3
D002122		19.80	0.19	3.9	0.065	3.34	46.5	37.7	1.03	886	4.06	1.60	11.9	53.0	630	70.0
D002123		18.20	0.20	3.7	0.060	3.07	50.0	35.7	1.14	750	3.21	1.66	13.2	41.2	630	76.6
D002124		27.9	0.18	5.2	0.086	3.17	29.7	251	0.40	550	1.46	0.36	12.0	101.0	1110	30.1
D002125		20.8	0.18	2.9	0.072	2.21	29.0	44.6	1.93	742	2.34	0.70	6.6	113.0	1600	98.1
D002126		16.00	0.16	1.9	0.054	1.79	26.4	40.1	1.07	925	2.25	1.40	9.0	59.5	1340	309
D002127		15.80	0.14	1.8	0.060	1.67	21.4	35.5	1.02	2880	2.44	1.45	8.6	35.1	1660	105.0
D002128		16.50	0.16	2.0	0.071	1.66	23.3	43.9	1.21	987	3.82	1.36	8.2	49.2	1240	201
D002129		15.95	0.14	1.4	0.067	1.46	18.6	45.2	1.60	1095	2.60	1.51	6.1	49.3	720	77.6
D002130		21.7	0.15	1.9	0.080	1.34	10.5	258	0.75	875	7.20	2.56	3.2	34.0	1090	201
D002131		14.20	0.14	1.1	0.042	0.97	14.4	29.2	3.10	668	0.88	1.52	6.7	84.7	730	7.5
D002132		14.50	0.14	1.4	0.046	1.06	16.7	34.4	2.51	992	1.44	1.64	7.9	73.5	1650	8.7
D002133		16.60	0.16	1.7	0.039	1.39	15.8	32.9	2.57	644	1.04	2.01	6.9	76.1	560	9.1
D002134		14.25	0.14	0.9	0.048	0.77	10.8	22.0	3.58	794	0.58	1.80	7.2	99.9	590	8.0
D002135		14.15	0.15	1.0	0.049	0.81	12.7	22.2	3.62	831	0.55	1.77	6.4	107.0	690	7.5
D002136		14.40	0.14	0.9	0.048	0.79	9.7	26.4	3.98	844	0.72	1.66	5.3	116.5	590	6.4
D002137		16.05	0.14	1.3	0.047	0.94	12.8	25.4	2.98	746	0.85	1.71	8.8	86.5	590	8.8
D002138		14.05	0.14	1.2	0.059	0.88	13.4	22.6	2.89	758	0.95	1.53	6.7	80.3	1250	7.0
D002139		14.15	0.11	1.1	0.053	1.00	11.8	19.3	2.82	742	0.78	1.67	7.0	71.7	760	8.1
D002140		16.15	0.14	1.3	0.048	1.16	12.7	17.3	2.30	760	1.46	1.59	9.6	62.6	950	9.9
D002141		14.20	0.13	1.1	0.041	0.85	9.5	20.1	3.79	741	0.67	1.78	5.0	103.5	650	5.9
D002142		14.65	0.14	1.1	0.049	0.84	12.2	21.0	3.66	756	0.79	1.56	7.3	103.5	520	8.0
D002143		13.85	0.12	0.9	0.046	0.64	7.9	19.5	4.43	839	0.56	1.61	5.4	124.0	770	5.6
D002144		13.40	0.12	0.9	0.050	0.61	8.7	21.1	4.88	922	0.48	1.56	5.2	144.5	300	5.4
D002145		13.50	0.13	0.9	0.046	0.79	8.5	22.8	3.96	860	0.61	1.60	5.0	119.5	490	6.3
D002146		14.15	0.11	0.9	0.056	0.73	11.5	19.3	3.85	831	0.67	1.62	5.5	102.0	520	5.4
D002147		13.00	0.11	0.8	0.051	0.70	7.6	21.1	4.97	970	0.46	1.59	4.5	140.5	490	5.7
D002148		12.70	0.10	0.6	0.044	0.49	5.9	18.2	5.02	889	0.45	1.66	3.1	134.5	310	4.2
D002149		13.55	0.09	0.8	0.049	0.64	6.8	24.1	5.18	876	0.49	1.47	4.4	142.5	380	5.2
D002150		13.35	0.12	0.7	0.045	0.58	7.2	26.0	5.68	1045	0.64	1.44	3.5	167.5	450	5.1
D002151		14.60	0.10	0.7	0.053	0.61	8.9	28.7	5.51	1140	0.51	1.67	4.5	145.5	380	5.0
D002152		15.55	0.11	1.2	0.058	0.94	10.8	34.7	4.41	1105	0.80	1.42	6.6	123.5	880	8.8
D002153		13.35	0.09	1.3	0.053	1.10	14.8	29.6	3.12	860	1.05	1.43	8.3	80.3	950	9.7
D002154		13.70	0.10	0.8	0.042	0.94	7.9	34.1	5.71	903	0.68	1.68	4.0	131.5	370	6.5
D002155		13.95	0.11	1.0	0.047	1.02	10.5	32.8	5.31	901	0.66	1.52	5.3	115.0	470	9.6
D002156		9.94	0.10	1.5	0.046	1.26	18.8	17.4	2.60	527	0.65	0.43	4.1	26.7	660	4.8
D002157		14.40	0.12	2.0	0.060	1.53	24.9	32.7	2.79	749	6.64	1.42	9.1	58.6	1090	13.8
D002158		17.30	0.14	2.1	0.068	1.66	26.1	37.6	2.87	826	23.1	1.10	10.8	97.2	960	22.1
D002159		17.80	0.15	2.6	0.064	2.05	34.2	40.6	2.41	883	19.00	1.10	12.0	65.7	1410	29.2
D002160		16.65	0.14	1.7	0.064	1.57	31.8	35.8	2.45	887	4.17	1.29	11.0	42.6	1290	81.0



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Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Rb ppm	Re ppm	S %	Sb ppm	Sc ppm	Se ppm	Sn ppm	Sr ppm	Ta ppm	Te ppm	Th ppm	Ti %	Tl ppm	U ppm	V ppm
		0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1	1
D002121		99.7	<0.002	0.02	6.19	11.6	1	2.0	48.4	0.65	<0.05	14.00	0.254	0.87	2.9	86
D002122		130.0	<0.002	0.04	4.19	12.4	1	2.0	48.6	0.59	<0.05	15.45	0.258	1.02	3.2	126
D002123		120.5	<0.002	0.03	2.81	11.8	1	2.1	54.5	0.65	<0.05	14.95	0.241	0.90	3.3	97
D002124		156.5	<0.002	0.02	20.6	25.8	1	2.3	115.5	0.64	0.13	14.30	0.469	1.51	4.1	303
D002125		85.3	<0.002	0.06	4.52	24.0	2	1.7	70.3	0.35	0.15	10.50	0.314	0.76	2.5	252
D002126		77.3	<0.002	0.05	14.60	19.4	1	1.9	171.0	0.67	0.11	8.70	0.331	0.61	3.6	173
D002127		95.4	<0.002	0.05	4.87	20.5	1	1.7	120.5	0.51	0.13	6.14	0.335	0.68	2.1	193
D002128		80.0	<0.002	0.03	7.77	21.6	2	1.7	117.0	0.50	0.14	7.75	0.327	0.75	2.7	228
D002129		59.8	<0.002	0.02	5.93	26.0	1	1.3	108.0	0.41	0.11	6.13	0.345	0.65	1.9	218
D002130		47.6	<0.002	0.04	8.20	32.2	4	1.1	90.1	0.20	0.11	3.42	0.366	1.01	2.0	246
D002131		39.7	<0.002	0.03	1.34	23.0	<1	1.1	145.5	0.43	<0.05	4.24	0.430	0.34	1.7	153
D002132		45.4	<0.002	0.07	1.16	26.2	<1	1.2	199.5	0.53	<0.05	6.14	0.455	0.39	5.4	156
D002133		43.0	<0.002	0.02	1.02	20.8	<1	1.1	311	0.47	<0.05	6.36	0.419	0.39	1.9	138
D002134		24.2	<0.002	0.01	0.94	30.3	<1	1.1	178.0	0.52	<0.05	3.19	0.547	0.28	1.4	187
D002135		25.9	<0.002	0.01	1.01	30.1	<1	1.0	175.5	0.51	<0.05	3.93	0.511	0.30	1.8	182
D002136		23.0	<0.002	0.02	1.07	29.9	<1	1.1	152.5	0.39	<0.05	3.42	0.504	0.28	1.4	187
D002137		46.1	<0.002	0.02	0.90	25.7	<1	1.3	177.5	0.58	<0.05	3.90	0.532	0.33	1.3	169
D002138		38.7	<0.002	0.04	1.20	26.2	1	1.2	158.0	0.56	<0.05	5.32	0.501	0.27	1.8	175
D002139		46.0	<0.002	0.03	0.98	24.9	2	1.2	172.0	0.55	0.05	3.85	0.495	0.30	1.2	173
D002140		53.2	<0.002	0.03	1.13	21.7	2	1.6	183.5	0.79	<0.05	4.15	0.491	0.37	1.4	152
D002141		30.6	<0.002	0.02	0.87	27.2	2	0.9	211	0.36	<0.05	2.82	0.436	0.22	0.9	149
D002142		40.3	<0.002	0.02	0.96	27.7	2	1.4	151.0	0.58	0.07	4.08	0.514	0.30	1.2	168
D002143		27.5	<0.002	0.03	0.87	32.8	2	1.0	149.0	0.44	<0.05	2.80	0.475	0.22	1.1	176
D002144		29.9	<0.002	0.01	0.83	34.1	1	0.9	143.0	0.44	<0.05	3.11	0.460	0.22	1.1	173
D002145		28.3	<0.002	0.03	0.89	30.4	1	1.0	173.5	0.36	<0.05	2.82	0.388	0.25	1.1	161
D002146		27.4	<0.002	0.02	0.91	30.4	1	1.0	163.0	0.42	<0.05	3.25	0.463	0.22	0.9	174
D002147		27.7	<0.002	0.02	0.81	30.9	1	0.8	146.0	0.33	<0.05	2.77	0.454	0.23	0.8	175
D002148		12.0	<0.002	0.01	0.69	33.3	2	0.6	150.5	0.23	<0.05	1.67	0.433	0.16	0.4	186
D002149		21.8	<0.002	0.02	0.73	32.3	2	0.8	132.5	0.31	<0.05	2.19	0.424	0.22	0.7	170
D002150		18.1	<0.002	0.02	0.72	34.3	2	0.7	121.5	0.25	<0.05	2.39	0.412	0.21	0.7	175
D002151		20.5	<0.002	0.02	0.72	35.9	2	0.9	127.5	0.35	0.06	2.47	0.598	0.20	0.7	237
D002152		42.8	<0.002	0.04	0.91	32.0	2	1.3	137.0	0.52	0.05	4.03	0.520	0.35	1.4	221
D002153		48.8	<0.002	0.05	0.96	20.2	1	1.3	143.0	0.71	0.05	4.82	0.455	0.38	1.5	180
D002154		35.6	<0.002	0.02	0.69	30.5	1	0.8	107.0	0.29	<0.05	2.32	0.397	0.26	0.9	163
D002155		31.1	<0.002	0.01	0.66	30.6	2	1.0	113.5	0.40	<0.05	3.10	0.410	0.31	1.1	158
D002156		22.3	<0.002	0.01	0.51	13.1	1	0.8	30.9	0.26	<0.05	2.46	0.260	0.23	1.1	94
D002157		55.1	<0.002	0.03	1.33	17.9	4	1.5	135.0	0.85	0.07	6.55	0.437	0.51	3.8	186
D002158		71.2	<0.002	0.02	2.60	22.5	9	1.7	124.0	0.75	0.16	6.92	0.478	0.98	2.9	276
D002159		86.7	<0.002	0.03	2.18	17.9	5	1.8	143.0	0.80	0.17	8.03	0.468	1.09	2.9	213
D002160		67.6	<0.002	0.05	1.88	19.0	2	1.7	162.0	0.77	0.13	8.48	0.497	0.67	2.3	151



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		W ppm 0.1	Y ppm 0.1	Zn ppm 2	Zr ppm 0.5	Au ppm 0.001
D002121		1.6	10.3	265	115.5	<0.001
D002122		1.3	17.6	319	129.0	0.003
D002123		1.2	16.6	210	121.5	0.002
D002124		2.6	12.3	200	191.5	0.003
D002125		1.3	10.2	229	113.5	0.009
D002126		1.3	13.8	368	69.3	0.006
D002127		1.4	10.3	222	65.2	0.004
D002128		1.5	12.2	276	75.0	0.004
D002129		1.3	12.1	232	49.5	0.016
D002130		1.3	13.3	449	68.8	0.001
D002131		0.7	14.9	65	37.4	<0.001
D002132		1.5	21.6	98	41.8	<0.001
D002133		0.9	14.6	74	57.4	<0.001
D002134		1.0	20.4	60	25.3	<0.001
D002135		0.8	21.3	61	27.0	<0.001
D002136		0.9	20.4	73	26.4	<0.001
D002137		1.1	15.6	81	41.4	<0.001
D002138		1.1	18.7	70	33.1	0.001
D002139		1.1	15.2	65	32.6	<0.001
D002140		1.4	14.1	60	41.4	0.001
D002141		0.9	13.7	55	33.8	0.008
D002142		1.2	17.0	62	32.8	<0.001
D002143		0.8	17.5	57	23.6	<0.001
D002144		0.8	18.4	60	21.7	0.001
D002145		0.7	16.8	60	24.2	<0.001
D002146		0.8	16.6	54	23.2	<0.001
D002147		0.7	14.3	61	21.3	<0.001
D002148		0.5	14.5	52	13.6	<0.001
D002149		0.8	13.4	58	23.0	<0.001
D002150		0.7	15.7	67	18.3	<0.001
D002151		1.0	18.6	76	19.2	0.007
D002152		1.3	19.8	84	33.0	<0.001
D002153		1.2	13.1	85	36.4	<0.001
D002154		0.5	12.6	62	21.7	<0.001
D002155		0.7	17.8	64	26.3	<0.001
D002156		0.4	17.8	71	54.1	<0.001
D002157		1.1	23.5	162	62.5	0.003
D002158		1.8	24.5	236	76.5	0.002
D002159		1.8	24.6	186	92.1	0.003
D002160		2.2	24.4	158	57.5	0.001



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		Recvd Wt. kg	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm	Fe %
D002161		0.65	1.80	6.33	104.5	890	1.53	0.06	0.54	1.02	34.9	21.0	124	15.40	63.2	5.09
D002162		0.47	0.27	7.02	41.7	760	1.02	0.13	2.76	0.38	31.3	30.9	168	12.35	67.9	6.28
D002163		0.46	0.40	7.08	88.7	510	0.94	0.14	3.32	0.31	27.2	37.9	215	13.90	64.5	6.66
D002164		0.57	0.04	7.80	4.5	320	0.86	0.11	5.61	0.14	19.25	33.2	329	2.24	54.7	4.66
D002165		0.61	0.02	7.56	4.3	220	0.66	0.12	5.92	0.12	15.25	37.2	358	2.01	65.3	4.74
D002166		0.60	0.02	7.42	7.5	350	0.89	0.15	4.77	0.28	24.6	34.9	318	4.42	52.8	5.18
D002167		0.46	0.03	7.32	5.4	340	0.90	0.15	5.25	0.18	24.2	37.5	332	2.69	60.9	5.00
D002168		0.56	0.06	6.95	7.1	580	1.13	0.17	4.04	0.15	33.8	26.2	257	5.12	66.9	4.34
D002169		0.86	0.13	7.18	21.3	910	1.33	0.13	3.37	0.28	41.7	19.6	177	8.86	26.7	4.02
D002170		0.61	0.09	7.35	11.8	990	1.20	0.15	3.55	0.22	34.9	18.7	175	6.70	27.7	3.98
D002171		0.63	0.38	7.70	10.4	650	1.34	0.22	3.82	0.31	29.7	26.9	264	12.65	53.8	4.78
D002172		0.52	0.05	7.23	5.7	530	1.06	0.09	4.99	0.23	25.8	22.4	256	3.70	19.7	4.34
D002173		0.65	0.06	7.34	6.1	530	1.09	0.13	4.63	0.14	23.8	23.7	280	4.71	32.8	4.40
D002174		0.58	0.07	7.39	5.0	340	0.99	0.09	5.73	0.17	25.4	29.7	284	3.06	35.5	4.81
D002175		0.31	0.16	6.78	8.4	540	1.06	0.15	3.65	0.30	28.8	25.3	247	8.93	49.2	4.04
D002176		0.48	0.03	7.15	4.5	420	1.20	0.08	5.12	0.12	25.5	23.5	248	2.61	21.4	4.71
D002177		0.40	0.07	7.07	7.8	550	1.17	0.13	4.08	0.14	32.0	23.6	214	5.54	31.7	4.65
D002178		0.55	0.03	7.02	5.4	440	1.20	0.15	4.43	0.21	26.7	28.1	266	3.48	31.8	4.81
D002179		0.52	0.04	6.93	3.3	390	1.31	0.10	5.08	0.12	26.5	25.5	254	2.67	28.1	4.70
D002180		0.58	0.04	7.10	4.1	390	1.03	0.13	4.93	0.14	23.5	31.5	262	3.41	46.9	5.08
D002181		0.46	0.02	7.32	3.6	360	1.17	0.11	5.18	0.13	23.6	29.8	280	2.85	38.7	4.89
D002182		0.47	0.07	7.21	9.1	480	1.38	0.21	3.43	0.16	28.7	37.1	315	13.20	146.5	5.19
D002183		0.41	0.14	7.25	7.1	420	1.77	0.19	4.34	0.10	28.1	31.5	292	9.29	98.9	4.65
D002184		0.61	0.03	7.18	3.7	280	0.61	0.08	5.98	0.13	15.05	40.9	338	2.37	45.5	5.43
D002185		0.60	0.07	7.36	7.2	310	0.68	0.09	5.80	0.15	16.70	41.6	381	3.98	91.3	5.24
D002186		0.65	0.07	7.18	8.5	340	0.81	0.13	5.18	0.11	18.60	38.0	412	5.22	123.5	5.25
D002187		0.57	0.13	7.31	11.8	350	0.83	0.11	5.27	0.24	28.5	43.5	423	5.96	180.0	4.79
D002188		0.51	0.06	6.84	7.8	450	1.02	0.20	3.95	0.24	24.0	30.4	243	6.03	58.5	5.49
D002189		0.45	0.08	7.26	11.4	520	1.04	0.19	3.91	0.29	28.6	27.8	298	4.27	37.6	4.91
D002190		0.45	0.11	6.89	6.1	580	1.05	0.26	3.66	0.27	25.4	27.5	245	5.67	40.5	4.75
D002191		0.61	0.07	6.43	4.8	730	1.34	0.28	2.53	0.17	33.4	16.4	166	5.95	33.2	4.31
D002192		0.51	0.08	7.03	5.4	530	1.20	0.22	3.56	0.25	28.0	26.6	234	5.31	51.2	4.87
D002193		0.54	0.09	7.19	4.7	450	1.15	0.26	4.23	0.37	22.6	33.7	305	4.05	57.8	5.59
D002194		0.38	0.05	6.58	4.4	540	1.11	0.21	4.00	0.19	23.9	22.0	234	3.64	21.9	4.35
D002195		0.47	0.10	6.74	3.7	610	0.94	0.19	3.75	0.24	26.8	21.2	215	3.59	29.2	4.63
D002196		0.57	0.06	6.98	5.4	530	1.06	0.17	3.98	0.32	29.0	26.4	285	3.14	40.0	4.74
D002197		0.62	0.03	7.15	5.6	440	0.75	0.19	4.71	0.30	24.2	30.1	351	2.42	39.0	4.59
D002198		0.36	0.09	6.16	3.5	640	1.03	0.22	3.09	0.29	33.3	17.8	147	5.00	26.1	4.04
D002199		0.61	0.14	6.86	6.7	620	1.14	0.19	3.94	0.40	32.7	24.3	251	6.56	32.5	4.71
D002200		0.42	0.10	6.16	5.0	520	1.25	0.23	3.19	0.52	26.1	20.7	155	3.43	42.0	5.07

***** See Appendix Page for comments regarding this certificate *****



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CERTIFICATE OF ANALYSIS WH23224950

Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Ga ppm 0.05	Ge ppm 0.05	Hf ppm 0.1	In ppm 0.005	K % 0.01	La ppm 0.5	Li ppm 0.2	Mg % 0.01	Mn ppm 5	Mo ppm 0.05	Na % 0.01	Nb ppm 0.1	Ni ppm 0.2	P ppm 10	Pb ppm 0.5
D002161		14.15	0.10	1.5	0.064	1.24	26.8	138.5	4.22	2000	0.32	0.12	6.9	55.1	860	11.9
D002162		14.65	0.11	1.0	0.066	1.01	15.3	40.3	3.09	1160	1.08	1.62	6.9	61.8	1230	13.6
D002163		16.30	0.13	0.9	0.073	0.90	13.6	41.0	3.96	1255	0.80	1.94	7.0	86.4	860	13.5
D002164		13.20	0.11	0.8	0.046	0.65	8.4	20.2	4.56	866	0.34	1.76	5.2	134.0	460	6.4
D002165		12.70	0.12	0.7	0.041	0.50	6.5	18.8	5.05	903	0.30	1.65	3.7	142.5	280	4.6
D002166		14.25	0.13	0.9	0.051	0.75	11.2	26.9	4.20	875	0.65	1.50	5.8	121.5	460	6.9
D002167		14.05	0.12	0.9	0.058	0.69	11.3	20.0	4.41	870	0.51	1.58	5.6	125.5	560	6.7
D002168		14.15	0.12	1.4	0.053	0.98	17.9	20.1	3.09	858	0.75	1.64	9.3	81.4	1010	9.8
D002169		15.25	0.13	1.7	0.053	1.43	23.1	31.1	2.34	645	1.51	1.85	10.5	60.9	820	11.3
D002170		14.90	0.11	1.8	0.055	1.41	18.6	27.7	2.32	678	1.07	1.83	9.5	55.6	780	10.4
D002171		16.00	0.11	1.7	0.066	1.00	16.6	39.9	3.15	761	1.69	1.47	6.7	95.2	1090	10.6
D002172		14.35	0.14	1.3	0.058	0.90	12.4	20.5	3.19	694	1.04	1.83	6.3	82.4	300	8.5
D002173		14.60	0.12	1.2	0.054	0.94	11.0	22.0	3.46	707	0.68	1.74	6.7	89.2	830	8.2
D002174		13.50	0.13	1.0	0.058	0.71	10.5	17.4	3.61	872	1.00	1.75	5.0	93.9	600	9.0
D002175		13.10	0.10	1.3	0.042	0.96	12.8	25.4	2.78	1215	1.09	1.59	6.2	82.2	1360	8.9
D002176		12.55	0.10	0.9	0.048	0.85	10.5	17.5	3.20	798	0.40	1.83	5.9	74.6	480	7.6
D002177		13.60	0.08	1.3	0.049	1.02	14.0	22.7	2.83	842	0.70	1.79	7.5	74.7	820	9.3
D002178		13.70	0.12	1.1	0.050	0.91	12.2	24.2	3.58	815	0.61	1.65	7.7	96.1	450	9.3
D002179		12.05	0.11	0.9	0.048	0.82	10.8	16.8	3.75	864	0.42	1.83	6.0	88.5	550	7.4
D002180		13.70	0.10	0.9	0.049	0.79	9.8	21.2	3.89	905	0.60	1.75	5.8	96.7	610	7.8
D002181		12.95	0.10	1.0	0.049	0.81	10.2	21.2	3.94	911	0.41	1.79	5.8	99.6	520	8.3
D002182		13.75	0.11	1.1	0.047	0.90	11.4	43.7	3.91	1005	0.65	1.21	7.4	140.0	1210	10.6
D002183		13.65	0.10	1.2	0.046	0.96	12.6	33.8	3.65	836	0.56	1.58	7.3	107.0	780	11.3
D002184		12.80	0.11	0.7	0.049	0.50	6.6	20.1	5.40	961	0.40	1.50	3.9	142.0	250	4.5
D002185		12.45	0.10	0.7	0.047	0.55	6.9	24.9	5.39	953	0.52	1.46	4.1	161.5	610	4.8
D002186		11.65	0.09	0.6	0.045	0.56	8.5	32.0	5.66	914	0.48	1.31	4.1	195.0	390	5.2
D002187		12.15	0.10	0.8	0.043	0.66	9.6	27.6	5.17	918	0.57	1.38	4.8	191.5	340	6.8
D002188		14.65	0.10	1.1	0.061	0.85	9.8	25.4	3.63	1070	1.18	1.51	6.3	99.6	800	8.9
D002189		14.05	0.09	1.1	0.045	0.97	14.1	23.8	3.75	865	1.12	1.51	7.4	104.0	650	9.7
D002190		14.10	0.08	1.1	0.053	0.95	11.1	22.4	3.25	915	1.16	1.54	7.4	89.5	1060	10.0
D002191		14.55	0.09	1.3	0.043	1.17	16.2	22.3	2.16	708	1.37	1.51	10.0	57.1	730	11.6
D002192		14.05	0.09	1.1	0.052	0.98	12.4	25.5	3.28	912	1.10	1.56	6.8	88.8	900	8.9
D002193		13.45	0.12	0.8	0.057	0.79	9.6	31.8	4.03	913	1.25	1.51	6.4	120.0	340	8.2
D002194		15.25	0.09	1.1	0.046	0.94	10.2	15.7	3.19	750	0.95	1.68	7.9	80.3	360	9.9
D002195		14.40	0.11	1.1	0.046	1.04	11.7	19.5	3.06	764	1.20	1.71	7.2	75.5	630	8.1
D002196		13.45	0.11	1.0	0.045	0.94	13.2	24.6	3.63	760	0.84	1.39	7.9	105.5	820	9.6
D002197		12.35	0.11	0.9	0.043	0.70	9.9	19.4	3.98	743	0.65	1.37	5.8	120.5	740	6.6
D002198		16.00	0.12	1.4	0.050	1.17	14.2	17.2	2.29	703	1.73	1.77	8.3	58.3	1180	15.9
D002199		13.75	0.10	1.2	0.052	0.97	17.6	28.4	3.15	806	3.26	1.56	7.5	88.1	790	11.6
D002200		12.90	0.10	1.0	0.046	0.87	11.2	19.8	2.42	811	1.74	1.41	7.3	59.0	1280	8.5



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CERTIFICATE OF ANALYSIS WH23224950

Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Rb ppm	Re ppm	S %	Sb ppm	Sc ppm	Se ppm	Sn ppm	Sr ppm	Ta ppm	Te ppm	Th ppm	Ti %	Tl ppm	U ppm	V ppm
D002161		64.3	<0.002	0.01	4.82	22.4	2	1.0	23.9	0.40	0.08	3.41	0.595	0.79	1.8	188
D002162		38.6	<0.002	0.04	1.43	25.1	2	1.3	163.0	0.47	0.05	3.57	0.716	0.37	1.2	237
D002163		36.2	<0.002	0.03	1.48	37.5	1	1.3	175.0	0.50	0.06	2.83	0.725	0.37	1.0	255
D002164		29.8	<0.002	0.01	0.89	31.4	1	1.0	151.0	0.44	<0.05	2.89	0.479	0.24	0.8	166
D002165		20.6	<0.002	0.01	0.82	33.7	1	0.8	132.0	0.30	<0.05	2.20	0.462	0.20	0.6	168
D002166		35.9	<0.002	0.01	0.97	31.8	2	1.2	137.5	0.46	<0.05	3.94	0.482	0.28	0.9	176
D002167		32.3	<0.002	0.01	0.87	33.3	2	1.2	151.0	0.43	<0.05	3.41	0.466	0.26	0.9	172
D002168		49.0	<0.002	0.02	0.86	24.2	1	1.5	181.5	0.79	<0.05	5.77	0.463	0.36	1.4	156
D002169		65.3	<0.002	0.01	1.51	22.0	1	1.5	210	0.77	<0.05	6.91	0.483	0.49	3.3	167
D002170		67.0	<0.002	0.01	1.45	22.1	2	1.5	206	0.72	<0.05	5.80	0.494	0.55	2.2	169
D002171		51.7	<0.002	0.04	1.04	26.5	2	1.4	187.0	0.52	<0.05	5.92	0.423	0.38	5.8	162
D002172		35.1	<0.002	0.01	1.13	28.3	2	1.2	175.0	0.52	<0.05	4.01	0.510	0.32	1.7	179
D002173		46.3	<0.002	0.02	1.00	27.9	1	1.3	189.0	0.54	<0.05	3.71	0.511	0.32	1.5	169
D002174		31.1	<0.002	0.01	1.18	33.7	1	1.1	171.0	0.43	<0.05	3.85	0.559	0.25	1.1	192
D002175		40.0	<0.002	0.06	0.85	23.5	1	1.2	204	0.47	<0.05	4.33	0.424	0.36	2.0	145
D002176		34.1	<0.002	0.01	0.96	27.7	1	1.1	177.0	0.54	<0.05	3.55	0.580	0.28	1.1	188
D002177		41.1	<0.002	0.02	1.03	24.4	1	1.4	206	0.58	<0.05	4.89	0.568	0.32	1.8	176
D002178		42.7	<0.002	0.01	0.93	28.2	1	1.4	152.5	0.67	<0.05	4.66	0.517	0.35	1.7	170
D002179		34.4	<0.002	0.01	0.70	29.5	1	1.1	169.0	0.51	<0.05	3.65	0.544	0.25	1.1	187
D002180		40.3	<0.002	0.01	0.75	33.9	1	1.2	163.5	0.46	<0.05	3.77	0.523	0.29	1.2	193
D002181		39.7	<0.002	0.01	1.32	28.9	1	1.3	156.5	0.48	<0.05	4.32	0.526	0.29	1.0	182
D002182		46.7	<0.002	0.04	0.91	32.3	1	1.9	121.0	0.59	<0.05	6.76	0.404	0.44	2.5	151
D002183		47.2	<0.002	0.02	0.81	30.6	1	1.8	155.0	0.59	<0.05	6.84	0.441	0.44	3.0	160
D002184		21.9	<0.002	0.01	0.70	38.8	1	0.8	146.5	0.33	<0.05	1.94	0.510	0.17	0.7	205
D002185		22.2	<0.002	0.02	0.75	35.4	1	0.8	147.0	0.31	<0.05	2.27	0.477	0.19	1.1	182
D002186		20.5	<0.002	0.02	0.67	34.4	2	1.0	124.0	0.33	<0.05	3.11	0.417	0.22	1.9	174
D002187		19.7	<0.002	0.02	0.78	33.8	2	0.9	139.5	0.37	<0.05	3.88	0.389	0.26	1.2	155
D002188		42.6	<0.002	0.03	0.94	30.6	1	1.3	148.0	0.47	<0.05	3.81	0.542	0.34	1.3	222
D002189		39.2	<0.002	0.02	0.91	24.6	1	1.2	156.5	0.55	<0.05	4.44	0.466	0.35	1.4	169
D002190		43.9	<0.002	0.04	0.75	25.0	2	1.4	171.5	0.58	<0.05	4.05	0.486	0.38	1.6	187
D002191		54.2	<0.002	0.03	0.83	18.9	2	1.7	167.5	0.80	<0.05	6.41	0.509	0.44	1.8	181
D002192		42.5	<0.002	0.04	0.69	24.1	2	1.2	189.0	0.53	<0.05	4.52	0.471	0.34	1.7	182
D002193		38.2	<0.002	0.02	0.65	28.0	2	1.4	136.5	0.54	<0.05	3.96	0.522	0.35	1.2	215
D002194		46.0	<0.002	0.01	0.73	25.3	1	1.3	167.5	0.63	<0.05	2.97	0.558	0.31	1.2	190
D002195		46.2	<0.002	0.02	0.70	22.8	2	1.2	190.0	0.55	<0.05	3.37	0.511	0.30	1.4	182
D002196		41.3	<0.002	0.02	0.74	24.8	2	1.2	146.5	0.57	<0.05	4.39	0.444	0.31	1.3	158
D002197		30.0	<0.002	0.02	0.69	29.0	1	1.0	151.5	0.47	<0.05	3.65	0.419	0.23	1.0	154
D002198		48.6	<0.002	0.02	0.79	20.9	2	1.4	235	0.66	<0.05	4.13	0.501	0.33	1.7	168
D002199		43.8	0.002	0.02	0.81	24.8	2	1.3	180.5	0.56	<0.05	4.78	0.490	0.34	2.2	178
D002200		40.8	<0.002	0.05	0.67	21.0	2	1.2	150.5	0.67	<0.05	3.82	0.534	0.30	1.6	203



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Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Au-ICP21
		W ppm 0.1	Y ppm 0.1	Zn ppm 2	Zr ppm 0.5	Au ppm 0.001
D002161		13.1	24.6	111	46.7	0.001
D002162		1.6	24.1	129	37.9	0.003
D002163		1.8	30.6	113	25.9	0.007
D002164		0.9	18.5	54	20.7	0.004
D002165		0.7	17.1	52	15.6	<0.001
D002166		1.3	16.9	63	23.7	<0.001
D002167		1.0	18.1	62	26.3	<0.001
D002168		1.6	18.1	62	41.9	<0.001
D002169		1.3	22.1	89	47.4	0.002
D002170		1.2	18.9	90	51.4	0.003
D002171		1.1	25.4	119	45.4	<0.001
D002172		0.9	20.1	72	35.6	<0.001
D002173		1.1	17.9	64	33.6	<0.001
D002174		0.7	24.1	62	22.4	<0.001
D002175		1.0	21.3	78	39.3	<0.001
D002176		0.8	21.8	55	21.6	<0.001
D002177		1.3	21.6	73	39.3	<0.001
D002178		0.9	19.5	68	30.8	0.001
D002179		0.6	20.2	61	24.0	<0.001
D002180		0.9	21.1	70	25.4	<0.001
D002181		0.7	20.3	62	25.9	<0.001
D002182		1.0	21.6	112	30.6	<0.001
D002183		1.8	24.7	68	34.9	<0.001
D002184		0.6	17.9	63	17.1	<0.001
D002185		1.7	19.2	69	19.6	<0.001
D002186		0.7	31.2	70	18.0	<0.001
D002187		0.7	19.9	64	21.5	<0.001
D002188		1.4	20.4	87	32.3	<0.001
D002189		1.2	16.6	72	34.1	<0.001
D002190		1.3	16.4	78	33.7	<0.001
D002191		1.7	14.9	72	41.5	<0.001
D002192		1.6	17.2	84	33.1	<0.001
D002193		1.3	17.8	87	22.6	<0.001
D002194		1.2	16.5	61	33.6	<0.001
D002195		1.1	16.1	72	33.8	<0.001
D002196		1.0	17.3	79	30.3	0.001
D002197		0.9	17.1	64	23.5	<0.001
D002198		1.2	16.9	74	48.6	<0.001
D002199		0.9	20.6	87	36.0	<0.001
D002200		1.2	16.8	88	33.5	<0.001



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Sample Description	Method Analyte Units LOD	WEI-21	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
		Recvd Wt. kg	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm	Fe %
D002201		0.51	0.13	6.52	9.0	620	1.04	0.18	3.48	0.31	25.4	28.3	245	5.49	40.0	4.66
D002202		0.58	0.16	6.44	13.3	640	1.04	0.19	3.57	0.25	27.9	22.2	223	8.17	38.5	4.37
D002203		0.47	0.09	6.16	8.5	570	0.97	0.22	3.34	0.30	26.3	21.8	207	6.51	31.8	5.04
D002204		0.38	0.10	6.27	2.8	380	1.01	0.18	3.57	0.40	18.50	24.3	208	2.42	40.5	5.73
D002205		0.44	0.10	6.47	6.7	690	1.35	0.40	3.37	0.24	28.6	20.5	193	7.61	26.5	4.53
D002206		0.41	0.05	6.90	5.7	500	1.06	0.22	4.12	0.25	25.8	33.6	286	3.75	47.6	5.68
D002207		0.59	0.08	6.78	5.0	540	1.10	0.20	4.03	0.23	24.1	30.6	273	3.87	41.9	5.55
D002208		0.60	0.18	6.87	35.1	740	1.27	0.19	3.73	0.23	36.1	27.4	237	17.20	61.7	5.21
D002209		0.61	0.10	6.73	9.1	760	1.15	0.19	3.29	0.17	33.2	24.5	197	8.30	41.0	5.14
D002210		0.68	0.08	6.62	26.7	650	1.01	0.19	3.68	0.13	30.8	26.2	231	10.00	33.7	4.71
D002251		0.45	0.54	6.22	162.0	570	1.06	0.23	0.61	1.27	39.4	19.7	182	4.34	44.0	4.78
D002252		0.34	0.74	9.09	193.5	1060	1.27	0.37	0.62	4.97	70.3	17.6	98	17.75	57.2	5.84
D002253		0.38	0.52	8.92	54.3	900	0.89	0.26	0.31	1.68	33.1	9.0	100	7.02	31.9	3.36
D002254		0.27	0.37	7.73	87.8	1510	1.93	0.61	1.36	1.19	59.4	16.6	114	9.61	59.2	4.22
D002255		0.25	0.50	7.35	34.1	1230	1.70	0.38	0.80	0.77	65.2	9.0	124	10.75	43.9	3.88
D002256		0.30	0.27	8.18	113.5	1050	1.47	0.53	0.86	0.72	49.8	19.8	163	7.03	82.7	5.84
D002257		0.34	0.51	7.10	108.5	760	1.27	0.87	1.75	1.22	45.6	20.7	132	5.68	58.8	4.44
D002258		0.31	10.20	9.18	206	1770	1.38	11.75	0.64	6.91	38.4	51.1	96	38.9	132.5	7.50
D002259		0.30	5.04	7.95	398	1460	1.13	2.31	1.32	7.55	35.4	29.6	109	10.75	69.9	6.55
D002260		0.37	0.77	7.32	108.0	1110	1.38	1.38	1.28	1.79	42.9	15.1	126	9.60	48.3	4.76
D002261		0.27	0.24	7.67	31.5	1510	1.40	0.31	2.14	1.21	39.4	19.2	140	9.70	48.8	4.59
D002262		0.35	0.32	7.58	66.4	1350	1.60	0.85	2.11	1.30	45.8	22.5	156	12.00	82.9	4.72
D002263		0.30	0.34	7.32	20.4	1440	1.44	0.24	1.59	3.49	55.8	16.8	107	19.10	55.1	4.53
D002264		0.44	0.20	8.57	14.4	1660	1.75	0.35	0.51	1.29	63.0	15.2	76	20.5	36.1	4.73
D002265		0.37	0.73	8.11	34.6	1830	1.84	0.58	0.26	3.63	73.3	20.3	46	15.40	64.3	7.12
D002266		0.41	0.14	7.71	11.8	1630	1.55	0.29	1.82	0.82	44.1	20.4	133	6.99	56.7	5.43
D002267		0.35	0.14	7.65	13.7	700	1.22	0.18	3.17	0.52	36.9	30.4	288	11.15	119.5	4.43
D002268		0.44	0.19	7.29	8.9	540	0.86	0.11	4.66	0.24	25.0	25.5	243	3.37	54.7	4.19
D002269		0.36	0.35	7.22	42.3	1450	1.41	0.25	2.18	3.12	43.0	24.3	166	11.75	139.0	6.29
D002270		0.34	0.08	8.37	19.4	2060	0.97	0.35	0.58	2.08	44.4	31.0	63	18.05	77.2	6.44
D002271		0.26	0.04	6.99	6.7	510	0.87	0.12	3.97	0.20	29.4	21.1	250	4.10	23.2	4.62
D002272		0.26	0.15	6.45	4.5	720	1.12	0.22	2.74	0.16	33.6	11.9	142	7.74	14.4	2.75
D002273		0.46	0.07	6.49	9.4	660	0.97	0.25	2.79	0.23	34.6	16.8	178	7.15	16.8	3.81
D002274		0.39	1.96	7.22	60.1	1480	1.36	2.90	0.57	0.16	56.3	3.9	134	15.60	173.5	8.02
D002275		0.31	1.31	6.73	76.2	1150	1.14	2.16	1.48	0.35	43.4	8.2	117	9.11	142.0	5.98
D002276		0.33	0.83	6.13	91.6	1120	1.07	1.90	1.30	0.17	30.3	7.7	106	9.82	89.2	7.38
D002277		0.34	1.94	6.15	91.0	1130	0.82	2.86	0.81	0.45	39.5	4.4	93	18.25	196.0	7.48
D002278		0.53	0.33	6.36	32.0	900	1.37	0.60	2.61	0.45	38.0	14.4	110	5.42	36.7	3.59
D002279		0.33	0.33	5.71	227	1060	1.37	0.57	2.51	0.98	42.4	14.2	111	9.63	29.9	6.83
D002280		0.37	0.07	5.66	18.0	750	1.20	0.37	2.62	0.44	31.7	14.2	101	3.72	19.7	3.52



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CERTIFICATE OF ANALYSIS WH23224950

Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Ga ppm	Ge ppm	Hf ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Ni ppm	P ppm	Pb ppm
D002201		13.45	0.08	1.1	0.051	0.94	10.7	25.1	3.20	881	2.14	1.40	7.2	92.4	980	9.2
D002202		13.05	0.11	1.1	0.043	1.03	12.5	26.0	2.91	726	1.28	1.49	6.9	80.9	780	10.5
D002203		14.05	0.11	1.2	0.057	1.04	11.2	20.9	2.80	903	1.20	1.46	8.3	72.2	1560	9.9
D002204		13.45	0.08	0.9	0.058	0.70	7.6	19.4	3.27	856	1.16	1.36	5.8	85.3	850	7.7
D002205		14.10	0.09	1.2	0.050	1.08	13.4	25.7	2.73	886	1.02	1.48	8.2	68.4	1660	10.4
D002206		14.05	0.07	1.1	0.066	0.86	10.8	26.6	4.23	973	0.95	1.57	6.9	116.5	510	7.5
D002207		13.25	0.10	1.0	0.059	0.89	9.7	30.0	4.24	955	0.96	1.54	6.6	115.0	410	8.0
D002208		14.30	0.10	1.2	0.056	1.16	15.4	31.2	3.32	896	1.04	1.64	7.8	86.8	480	12.0
D002209		13.65	0.10	1.1	0.055	1.08	15.8	31.5	3.03	853	1.25	1.59	8.3	76.9	670	14.7
D002210		13.55	0.12	1.0	0.062	1.01	14.1	31.2	3.52	863	1.47	1.60	8.0	84.0	610	10.4
D002251		13.45	0.11	1.4	0.056	1.21	18.8	30.4	1.67	400	1.96	1.25	3.4	72.3	1110	31.1
D002252		20.4	0.17	4.3	0.120	1.23	39.4	81.2	0.57	947	8.61	3.54	8.2	92.4	940	30.0
D002253		16.40	0.13	3.9	0.051	1.01	14.8	19.7	0.42	638	6.84	5.47	4.4	40.1	860	61.0
D002254		17.45	0.17	2.5	0.097	2.00	30.1	40.1	1.38	588	4.10	1.54	8.7	61.8	620	54.7
D002255		19.20	0.16	3.0	0.076	1.98	31.9	33.0	0.96	584	3.98	1.20	9.6	31.6	2350	37.8
D002256		20.7	0.15	1.7	0.095	1.77	23.0	38.7	1.73	695	3.52	1.56	8.6	67.4	870	43.7
D002257		14.45	0.15	1.4	0.066	1.47	22.1	30.4	1.84	709	1.80	1.62	7.0	58.3	860	46.8
D002258		20.7	0.14	2.6	0.151	2.25	21.0	105.0	0.83	3280	12.40	0.80	5.3	105.0	970	157.5
D002259		16.35	0.15	2.3	0.407	1.51	17.2	48.2	1.62	1255	6.62	1.62	3.5	57.7	1320	645
D002260		16.30	0.13	2.1	0.111	1.62	20.4	44.6	1.47	619	4.38	1.45	8.3	49.0	1640	136.5
D002261		16.40	0.15	1.8	0.071	1.49	19.1	40.7	1.99	739	2.39	2.09	9.2	64.3	770	28.8
D002262		16.10	0.15	1.8	0.094	1.56	22.3	46.4	2.07	778	3.30	1.70	8.5	77.4	550	38.3
D002263		15.10	0.16	2.7	0.067	1.80	28.7	52.7	0.98	704	5.36	1.43	5.4	57.6	1050	19.4
D002264		21.5	0.15	3.5	0.083	2.37	28.9	58.6	0.86	761	5.64	1.51	6.3	33.8	1110	21.9
D002265		19.65	0.20	4.2	0.087	1.92	38.0	54.9	0.53	1815	12.15	2.17	4.0	62.3	950	46.2
D002266		16.40	0.16	2.3	0.066	2.11	18.2	28.8	1.88	629	9.70	1.46	9.3	70.2	1150	17.6
D002267		14.10	0.15	1.1	0.046	1.08	16.6	36.8	2.94	881	1.50	1.38	6.4	97.4	1800	9.7
D002268		13.75	0.14	0.9	0.047	0.96	11.6	22.0	2.72	680	1.28	1.71	6.4	69.8	760	7.7
D002269		14.20	0.16	2.0	0.055	1.47	21.7	53.0	1.58	687	6.95	1.47	4.6	88.2	830	22.0
D002270		16.65	0.15	1.6	0.076	1.66	14.6	42.0	1.45	1935	8.93	1.85	4.6	30.3	1540	20.9
D002271		14.05	0.12	1.1	0.054	0.98	14.0	23.6	2.79	623	0.75	1.63	7.4	73.1	550	8.0
D002272		15.10	0.13	1.7	0.041	1.25	16.6	22.6	1.51	524	1.14	1.64	9.5	33.9	1910	10.5
D002273		17.05	0.14	1.5	0.051	1.25	17.2	25.9	1.90	566	1.48	1.53	10.6	50.1	820	11.6
D002274		23.4	0.16	2.6	0.169	2.34	29.0	41.1	1.35	249	13.10	0.87	6.6	19.5	1220	143.5
D002275		16.50	0.15	1.9	0.156	1.73	22.6	35.4	1.40	388	5.40	1.18	6.4	26.7	1200	52.9
D002276		16.25	0.15	1.8	0.167	1.63	16.5	29.5	1.20	330	4.69	1.21	6.8	23.6	1810	51.3
D002277		21.5	0.16	2.4	0.154	1.72	19.4	26.4	0.96	231	8.91	0.73	5.2	18.0	1660	59.9
D002278		13.35	0.14	1.8	0.064	1.32	19.0	32.7	1.61	571	2.38	1.69	8.2	39.4	910	18.4
D002279		12.35	0.16	1.5	0.052	1.13	21.4	31.6	1.42	1395	7.98	1.33	7.1	40.3	1260	19.0
D002280		11.80	0.13	1.5	0.051	1.27	15.4	25.2	1.36	534	1.66	1.61	6.4	32.1	840	15.0



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		Rb ppm	Re ppm	S %	Sb ppm	Sc ppm	Se ppm	Sn ppm	Sr ppm	Ta ppm	Te ppm	Th ppm	Ti %	Tl ppm	U ppm	V ppm
		0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1	1
D002201		52.3	<0.002	0.03	0.85	23.9	2	1.3	156.5	0.54	<0.05	3.84	0.474	0.34	1.6	174
D002202		50.8	<0.002	0.03	0.95	23.6	2	1.2	185.0	0.52	<0.05	3.78	0.465	0.34	2.0	165
D002203		51.3	<0.002	0.03	0.92	23.7	2	1.4	161.5	0.64	<0.05	5.18	0.546	0.34	1.5	201
D002204		34.0	<0.002	0.04	0.48	27.0	2	1.2	119.0	0.51	<0.05	3.39	0.566	0.26	1.3	245
D002205		52.0	<0.002	0.05	0.80	22.2	1	1.4	190.5	0.62	<0.05	4.49	0.503	0.35	1.6	172
D002206		39.7	<0.002	0.01	0.80	33.2	1	1.4	144.5	0.56	<0.05	3.77	0.562	0.30	1.2	221
D002207		37.7	<0.002	0.02	0.81	26.2	1	1.3	137.0	0.53	<0.05	3.61	0.564	0.30	1.3	225
D002208		49.4	<0.002	0.03	1.36	30.5	2	1.4	193.0	0.59	<0.05	5.18	0.521	0.37	5.7	208
D002209		46.0	<0.002	0.02	1.00	24.2	2	1.4	182.0	0.66	<0.05	4.68	0.525	0.36	3.3	197
D002210		38.9	<0.002	0.02	0.89	25.3	<1	1.2	181.5	0.56	<0.05	3.71	0.509	0.32	7.6	184
D002251		51.9	<0.002	0.02	6.23	20.5	<1	1.0	71.3	0.24	0.08	4.56	0.205	0.45	2.0	166
D002252		57.3	<0.002	0.04	14.15	23.5	6	1.9	129.5	0.51	0.09	13.80	0.254	0.73	5.6	357
D002253		44.3	<0.002	0.03	7.93	12.4	5	1.7	94.2	0.37	0.08	14.70	0.157	0.59	5.0	153
D002254		89.3	<0.002	0.05	4.65	17.2	2	2.0	129.5	0.57	0.12	9.88	0.304	0.99	3.6	207
D002255		99.6	<0.002	0.08	3.55	18.0	3	1.9	121.0	0.58	0.09	8.70	0.355	1.00	3.6	243
D002256		70.2	<0.002	0.02	6.04	24.8	2	1.7	107.5	0.58	0.28	7.99	0.382	0.66	2.4	229
D002257		61.7	<0.002	0.01	5.18	21.8	1	1.5	128.5	0.46	0.11	5.62	0.356	0.61	2.0	175
D002258		105.0	0.002	0.04	11.75	32.2	4	4.9	51.4	0.33	0.19	5.64	0.367	3.08	5.4	345
D002259		65.6	<0.002	0.06	14.65	27.6	3	1.8	92.7	0.23	0.13	4.60	0.293	1.04	3.0	271
D002260		74.4	<0.002	0.07	5.58	19.5	2	2.0	129.0	0.57	0.14	6.69	0.353	0.97	2.8	202
D002261		56.2	<0.002	0.01	3.48	23.1	1	1.6	155.0	0.60	0.07	6.03	0.419	0.75	2.2	195
D002262		65.2	<0.002	0.04	4.62	21.6	1	1.7	171.0	0.59	0.16	7.41	0.397	0.79	4.1	198
D002263		73.5	<0.002	0.04	2.74	19.1	2	1.4	142.5	0.36	0.07	8.24	0.268	1.03	4.5	249
D002264		105.5	<0.002	0.02	2.40	18.4	2	1.9	84.3	0.38	0.11	9.74	0.266	1.10	3.6	226
D002265		75.1	<0.002	0.02	3.18	16.6	4	1.8	70.7	0.23	0.14	12.70	0.139	0.93	5.4	155
D002266		83.3	<0.002	0.02	1.22	15.2	5	1.3	153.5	0.57	0.16	8.20	0.364	1.13	3.8	270
D002267		47.9	<0.002	0.06	1.18	25.5	1	1.1	193.5	0.44	0.05	6.60	0.365	0.44	2.4	139
D002268		35.1	<0.002	0.01	1.19	27.8	1	0.9	215	0.44	<0.05	3.63	0.423	0.34	1.9	163
D002269		58.7	<0.002	0.02	5.04	19.2	4	1.2	141.0	0.30	0.11	5.67	0.296	0.97	4.7	259
D002270		73.3	0.003	0.06	1.46	24.8	2	1.1	152.5	0.31	0.26	5.41	0.338	1.24	3.4	168
D002271		37.9	<0.002	0.02	1.15	23.0	<1	1.1	175.5	0.50	<0.05	4.38	0.462	0.35	1.4	155
D002272		53.5	<0.002	0.07	0.92	17.2	<1	1.4	240	0.65	<0.05	5.08	0.411	0.52	2.7	113
D002273		55.3	<0.002	0.03	1.28	19.9	<1	1.5	177.5	0.69	<0.05	6.42	0.500	0.47	1.8	151
D002274		126.0	<0.002	1.09	7.05	17.0	5	2.6	135.0	0.44	0.68	8.53	0.312	1.63	3.1	233
D002275		89.3	<0.002	0.34	9.83	18.2	3	1.9	177.5	0.42	0.54	6.77	0.354	0.90	2.3	188
D002276		79.1	0.002	0.37	4.78	15.1	3	1.7	185.5	0.46	0.46	5.65	0.323	0.83	2.2	167
D002277		90.3	<0.002	0.16	5.95	23.2	4	2.3	85.7	0.35	0.71	5.01	0.319	1.14	8.5	242
D002278		59.9	<0.002	0.02	2.29	18.4	<1	1.4	193.0	0.60	0.08	6.59	0.378	0.59	4.1	148
D002279		61.7	0.004	0.06	2.02	15.8	1	1.4	182.5	0.51	0.07	8.72	0.293	0.57	4.2	133
D002280		55.2	<0.002	0.03	2.12	15.1	1	1.2	193.5	0.47	0.05	4.98	0.343	0.48	2.0	136



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CERTIFICATE OF ANALYSIS WH23224950

Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Au-ICP21
		W ppm 0.1	Y ppm 0.1	Zn ppm 2	Zr ppm 0.5	Au ppm 0.001
D002201		1.1	15.4	85	34.4	<0.001
D002202		1.1	18.3	68	34.7	<0.001
D002203		1.4	17.0	82	39.1	<0.001
D002204		1.0	17.5	82	22.2	<0.001
D002205		1.4	16.2	93	43.0	0.005
D002206		1.1	19.0	85	30.2	<0.001
D002207		1.1	18.1	89	27.6	0.005
D002208		1.3	26.6	84	36.9	0.002
D002209		1.2	17.9	95	34.8	<0.001
D002210		1.0	18.8	75	31.7	<0.001
D002251		0.8	8.7	211	48.3	0.003
D002252		3.1	26.2	903	150.0	0.003
D002253		0.8	11.7	273	137.5	<0.001
D002254		1.6	16.9	276	82.1	0.001
D002255		1.4	9.5	169	104.5	<0.001
D002256		2.1	12.2	222	58.2	0.001
D002257		1.3	14.8	187	43.6	0.006
D002258		1.1	26.7	479	93.7	0.010
D002259		0.7	13.5	893	69.4	0.008
D002260		2.6	12.5	329	67.0	0.001
D002261		1.5	17.2	274	58.0	0.001
D002262		2.8	18.6	259	60.1	0.002
D002263		0.8	21.8	464	88.7	<0.001
D002264		1.0	13.0	241	120.0	<0.001
D002265		0.8	39.8	432	147.5	0.001
D002266		0.6	19.0	273	70.6	<0.001
D002267		0.9	22.0	136	32.0	0.001
D002268		0.6	20.1	66	25.7	0.001
D002269		0.7	17.6	447	69.9	0.002
D002270		0.9	17.3	154	52.8	<0.001
D002271		0.8	15.0	55	31.6	<0.001
D002272		1.1	12.8	48	53.4	<0.001
D002273		1.3	13.3	57	46.2	<0.001
D002274		38.9	8.9	79	85.4	0.002
D002275		27.6	11.6	88	60.2	0.002
D002276		19.4	8.3	71	59.4	0.001
D002277		29.4	14.4	60	79.2	0.002
D002278		2.2	17.3	121	51.1	0.002
D002279		1.5	16.4	171	45.6	0.001
D002280		1.2	13.5	83	41.8	<0.001



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Sample Description	Method	WEI-21	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe
Units		kg	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%
LOD		0.02	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01
D002281		0.14	0.26	5.89	15.9	830	1.11	0.22	2.74	0.28	35.0	11.9	114	5.19	18.0	2.82
D002282		0.48	0.13	5.82	68.6	1040	1.09	0.17	2.65	1.01	37.3	22.3	113	5.15	17.2	8.45
D002283		0.22	0.16	5.35	32.5	750	1.04	0.11	2.50	1.45	32.5	5.3	12	0.86	35.1	2.19
D002284		0.40	0.19	7.07	21.4	1080	1.11	0.10	3.06	0.44	39.5	21.8	177	8.08	34.5	4.18
D002285		0.47	0.23	7.17	12.5	890	1.51	0.18	2.23	0.34	41.3	11.8	102	7.40	17.3	3.14
D002286		0.48	0.17	6.13	14.4	890	1.28	0.15	1.87	0.45	46.0	10.0	91	4.17	21.9	2.94
D002287		0.34	0.09	6.91	20.2	750	1.35	0.14	2.55	0.84	44.9	14.8	125	5.54	37.4	3.89
D002288		0.52	0.14	6.70	19.0	670	1.66	0.92	2.87	0.80	31.0	16.4	129	4.39	25.0	3.99
D002289		0.26	0.12	6.62	11.4	840	1.41	0.24	2.12	0.47	36.8	13.0	119	5.38	22.4	4.13
D002290		0.34	0.09	7.06	18.0	1180	1.57	0.20	1.89	0.64	34.3	12.5	130	9.32	30.9	4.80
D002291		0.46	0.27	8.30	25.7	1550	1.38	0.16	1.35	3.84	34.4	25.2	88	9.43	69.9	5.18
D002292		0.42	0.16	7.07	10.4	1000	1.44	0.22	2.39	0.29	42.2	12.6	130	10.80	18.3	3.84
D002293		0.32	0.11	7.41	14.8	1850	1.08	0.10	2.54	0.73	27.1	20.1	117	5.76	36.2	4.71
D002294		0.35	0.09	7.33	16.2	1200	1.42	0.27	1.50	0.59	36.0	19.6	92	8.49	44.5	5.53
D002295		0.40	0.04	7.23	8.3	730	1.57	0.12	3.79	0.27	31.7	20.8	177	5.30	23.2	4.20
D002296		0.29	0.09	8.18	26.3	780	1.47	0.20	1.82	1.52	51.0	19.8	135	8.30	33.3	4.82
D002297		0.34	0.07	7.45	10.8	670	1.20	0.13	4.03	0.69	34.3	21.7	207	6.87	29.7	4.43
D002298		0.46	0.10	7.10	15.4	650	1.06	0.18	3.31	0.24	30.4	18.0	177	13.80	21.8	4.09
D002299		0.32	0.02	9.66	9.5	1050	2.98	0.25	0.54	0.41	70.1	13.3	50	83.5	17.8	3.08
D002300		0.36	0.18	7.20	33.6	790	1.39	0.19	2.82	0.24	34.4	16.6	170	16.55	42.3	3.78
D002301		0.39	1.40	7.58	197.0	1200	1.37	3.53	1.04	1.24	44.6	10.4	118	15.70	47.7	4.79
D002302		0.35	0.18	6.41	55.9	760	1.61	0.50	2.45	0.64	37.6	13.9	111	5.05	25.4	4.11
D002303		0.43	1.18	6.82	183.5	1110	1.58	2.96	1.26	0.75	36.4	8.4	93	11.35	36.3	4.01
D002304		0.31	0.18	6.49	38.0	780	1.34	0.61	2.42	0.76	33.6	15.9	124	5.86	26.8	3.84
D002305		0.32	0.20	7.00	206	960	1.36	0.87	2.00	0.90	35.6	11.6	123	8.23	26.4	4.64
D002306		0.28	0.25	6.50	140.5	940	1.46	0.80	2.00	1.02	39.8	13.4	108	9.40	23.5	3.76
D002307		0.41	0.13	6.41	12.4	890	1.38	0.13	2.24	0.55	43.9	13.6	121	3.63	26.9	3.38
D002308		0.45	0.10	5.83	9.3	720	1.56	0.15	1.94	0.22	36.9	9.9	96	3.82	15.3	3.03
D002309		0.39	0.04	6.30	10.5	800	1.69	0.19	2.15	0.36	40.1	13.0	110	4.49	21.6	3.30
D002310		0.42	0.06	6.48	10.4	780	1.59	0.15	2.33	0.27	39.4	13.5	118	3.83	19.5	3.44
D002311		0.53	0.14	6.44	13.8	760	1.49	0.17	2.48	0.31	34.9	13.1	110	5.27	18.7	3.46
D002312		0.50	0.18	6.50	11.6	830	1.76	0.19	2.28	0.26	45.4	13.0	104	5.32	20.6	3.31
D002313		0.40	0.10	6.45	11.4	850	1.73	0.16	2.11	0.27	44.7	11.2	103	4.78	18.4	3.30
D002314		0.50	0.16	7.00	17.2	950	1.95	0.22	1.82	0.22	45.5	12.4	107	6.77	20.8	3.58
D002315		0.53	0.48	7.06	18.6	950	1.49	0.20	2.19	0.26	39.7	13.4	122	8.52	20.7	3.65
D002316		0.29	0.49	7.00	18.0	940	1.31	0.15	2.24	0.20	34.4	12.2	108	7.91	30.3	3.46
D002317		0.34	0.39	6.58	20.9	900	1.57	0.16	2.36	0.34	41.3	12.6	110	7.90	29.8	3.55
D002318		0.30	1.25	6.82	21.6	880	1.52	0.19	2.08	0.26	35.5	9.8	96	7.53	50.1	3.49
D002319		0.51	0.15	7.06	20.1	860	1.10	0.11	2.35	0.35	29.9	15.2	144	5.30	44.0	4.25
D002320		0.43	0.13	6.38	19.7	830	1.29	0.12	2.74	0.30	37.9	16.4	129	4.96	26.5	4.09

***** See Appendix Page for comments regarding this certificate *****



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Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P	Pb
		ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm
		0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10	0.5
D002281		11.85	0.13	1.6	0.043	1.15	17.6	25.8	1.43	527	1.52	1.67	7.5	32.7	1120	13.6
D002282		12.45	0.14	1.4	0.043	1.18	17.9	27.6	1.52	3540	8.24	1.51	7.7	38.9	890	10.4
D002283		12.25	0.15	2.2	0.019	1.47	16.8	16.1	0.44	301	18.10	1.87	4.0	9.4	990	6.4
D002284		14.05	0.15	1.4	0.053	1.40	19.5	37.3	2.32	774	2.47	1.82	8.1	64.0	980	9.5
D002285		15.25	0.15	1.9	0.050	1.67	20.1	48.5	1.37	459	1.88	1.87	10.4	34.2	640	12.8
D002286		12.50	0.21	1.7	0.040	1.50	26.4	24.7	1.20	446	2.45	1.78	9.4	35.0	700	15.0
D002287		12.50	0.14	1.2	0.038	1.37	17.8	36.5	1.56	687	1.62	1.69	6.8	48.5	770	13.4
D002288		12.40	0.16	1.2	0.049	1.27	16.4	29.3	1.62	667	1.55	1.72	8.6	43.1	910	12.4
D002289		14.95	0.14	1.7	0.053	1.47	20.2	29.4	1.53	538	2.13	1.61	9.6	40.4	510	17.1
D002290		14.65	0.13	1.9	0.048	1.51	18.0	46.2	1.43	676	2.59	1.47	7.1	39.8	1700	16.2
D002291		16.80	0.13	1.9	0.074	1.63	18.9	40.8	1.52	2580	6.29	2.03	5.5	60.6	600	22.2
D002292		14.75	0.16	1.6	0.057	1.45	23.6	46.0	1.65	521	2.99	1.76	7.9	43.5	650	13.5
D002293		13.65	0.15	1.1	0.052	1.21	14.0	37.1	1.93	803	1.54	2.08	6.0	46.3	760	10.2
D002294		13.50	0.14	1.2	0.064	1.28	16.2	52.1	1.31	1140	5.65	1.72	5.9	35.0	1310	14.4
D002295		14.10	0.16	1.1	0.055	1.07	15.4	25.1	2.33	760	0.86	1.94	6.4	54.7	550	9.6
D002296		13.25	0.11	1.5	0.063	1.27	18.8	79.8	1.75	1945	1.46	1.41	4.7	54.3	990	24.9
D002297		15.00	0.17	1.4	0.052	1.08	17.6	38.4	2.65	725	1.31	1.72	7.4	72.5	410	10.3
D002298		15.75	0.15	1.5	0.056	1.19	16.8	66.7	2.33	653	1.51	1.63	13.2	61.6	640	10.9
D002299		19.30	0.11	2.7	0.039	3.39	37.9	61.8	0.59	1410	2.50	0.75	29.4	19.3	800	44.5
D002300		15.10	0.17	1.3	0.050	1.40	18.4	48.6	1.91	588	1.28	1.69	8.7	58.3	830	13.0
D002301		17.05	0.16	1.8	0.162	1.84	24.3	41.4	1.46	495	3.27	1.36	7.7	47.4	790	107.5
D002302		12.85	0.14	1.3	0.072	1.31	21.1	27.9	1.55	555	2.04	1.55	7.7	39.0	620	29.5
D002303		16.30	0.14	2.2	0.151	1.64	20.5	35.9	1.06	593	2.97	1.49	7.3	35.3	1100	87.5
D002304		12.95	0.11	1.2	0.066	1.32	17.2	28.4	1.73	654	1.44	1.60	6.6	47.5	820	25.4
D002305		15.30	0.10	1.9	0.067	1.50	19.3	38.8	1.55	508	2.82	1.62	8.3	44.0	860	23.1
D002306		16.05	0.13	1.7	0.063	1.49	22.3	30.3	1.35	553	2.90	1.55	8.8	42.1	590	25.0
D002307		12.35	0.16	1.6	0.040	1.40	24.2	22.2	1.54	575	1.94	1.82	7.7	44.9	840	13.2
D002308		11.15	0.10	1.5	0.035	1.35	20.3	27.3	1.25	459	1.40	1.59	6.6	30.6	790	11.6
D002309		13.60	0.13	1.5	0.039	1.45	22.0	27.9	1.42	508	1.34	1.67	8.3	38.9	590	13.2
D002310		12.15	0.10	1.5	0.033	1.44	21.3	27.8	1.59	716	1.42	1.76	7.3	38.7	650	11.4
D002311		13.00	0.13	1.5	0.041	1.38	19.9	29.2	1.53	519	1.38	1.75	7.5	39.2	830	12.4
D002312		14.30	0.12	1.6	0.050	1.47	24.4	32.5	1.42	576	1.66	1.69	8.3	37.9	910	13.4
D002313		12.95	0.14	1.6	0.036	1.55	23.4	33.8	1.46	515	1.24	1.83	10.7	37.0	610	13.2
D002314		14.60	0.16	1.9	0.046	1.65	24.7	43.8	1.38	705	3.09	1.72	10.2	39.5	1010	15.1
D002315		15.80	0.15	1.7	0.048	1.49	22.2	40.6	1.67	510	3.02	1.67	8.8	45.3	1090	13.6
D002316		14.15	0.12	1.7	0.047	1.44	19.8	42.1	1.52	531	2.62	1.60	6.5	41.0	1120	10.7
D002317		14.25	0.13	1.6	0.044	1.41	23.6	35.6	1.51	512	2.28	1.67	7.1	41.7	1040	11.7
D002318		14.55	0.13	1.8	0.048	1.39	21.3	39.0	1.21	431	1.94	1.61	5.9	34.5	1540	11.6
D002319		13.35	0.10	1.1	0.044	1.23	16.6	32.4	2.10	637	1.28	1.72	5.9	50.5	720	9.1
D002320		13.50	0.14	1.3	0.047	1.29	21.5	27.4	1.87	659	1.52	1.74	6.8	48.7	560	10.2



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Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Rb ppm	Re ppm	S %	Sb ppm	Sc ppm	Se ppm	Sn ppm	Sr ppm	Ta ppm	Te ppm	Th ppm	Ti %	Tl ppm	U ppm	V ppm
		0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1	1
D002281		50.8	<0.002	0.06	1.64	16.0	1	1.1	187.0	0.52	<0.05	5.31	0.329	0.49	2.2	114
D002282		53.5	<0.002	0.03	1.85	17.1	1	1.1	174.0	0.55	<0.05	5.66	0.341	0.46	2.6	147
D002283		32.6	0.022	1.54	1.12	3.3	17	0.5	419	0.29	<0.05	4.45	0.164	0.29	4.4	30
D002284		53.1	<0.002	0.01	3.29	22.2	1	1.1	202	0.51	<0.05	5.01	0.448	0.60	2.2	190
D002285		77.9	<0.002	0.01	1.28	16.8	1	1.3	185.0	0.74	<0.05	8.33	0.355	0.74	2.4	133
D002286		65.3	<0.002	0.01	2.41	15.5	1	1.3	170.0	0.83	<0.05	7.82	0.358	0.59	2.3	145
D002287		56.8	<0.002	0.01	1.93	19.0	<1	1.1	163.0	0.61	<0.05	7.92	0.366	0.46	2.6	152
D002288		53.1	<0.002	0.01	1.65	19.3	<1	1.1	170.5	0.90	<0.05	5.67	0.388	0.43	4.8	151
D002289		68.2	<0.002	0.02	1.52	16.6	<1	1.7	196.5	1.17	<0.05	6.50	0.409	0.52	2.1	147
D002290		68.7	<0.002	0.02	1.95	17.8	<1	1.4	166.0	1.12	<0.05	6.71	0.390	0.57	2.8	173
D002291		63.1	<0.002	0.02	3.00	28.1	1	1.3	130.5	0.47	0.11	5.52	0.351	0.87	2.7	255
D002292		64.1	<0.002	0.01	1.33	21.7	1	1.5	198.0	0.75	<0.05	7.41	0.397	0.53	2.1	157
D002293		41.7	<0.002	0.01	1.85	23.0	1	1.1	191.5	0.52	<0.05	4.60	0.439	0.45	1.4	176
D002294		53.2	0.002	0.04	1.49	19.6	1	1.1	159.0	0.49	0.22	5.13	0.389	0.49	1.9	142
D002295		44.9	<0.002	0.01	1.22	26.8	<1	1.3	190.0	0.58	<0.05	4.59	0.526	0.39	1.4	168
D002296		49.3	<0.002	0.03	1.54	21.4	1	1.1	107.0	0.47	0.05	6.60	0.347	0.43	2.3	149
D002297		52.0	<0.002	0.01	1.73	29.4	<1	1.5	162.0	0.67	<0.05	5.23	0.502	0.46	1.5	182
D002298		50.0	<0.002	0.02	1.45	24.9	<1	1.5	197.0	1.84	<0.05	5.24	0.496	0.44	5.0	158
D002299		164.5	<0.002	0.01	1.74	8.6	<1	1.9	50.5	1.89	<0.05	21.0	0.402	1.60	3.4	69
D002300		62.9	<0.002	0.02	2.56	21.0	<1	1.4	196.0	0.82	<0.05	6.27	0.424	0.55	2.4	141
D002301		87.3	<0.002	0.06	9.61	19.1	1	2.6	129.0	0.65	0.55	8.57	0.387	0.86	2.6	206
D002302		60.9	<0.002	0.03	3.17	17.7	<1	1.5	187.0	0.69	0.06	7.50	0.399	0.50	2.4	156
D002303		82.1	<0.002	0.06	9.03	16.8	<1	2.4	167.0	0.62	0.29	5.77	0.379	0.75	2.4	175
D002304		57.5	<0.002	0.02	2.19	17.4	<1	1.4	180.5	0.59	<0.05	5.45	0.372	0.46	1.8	146
D002305		71.9	<0.002	0.03	5.80	17.0	<1	2.1	176.0	0.72	0.07	6.37	0.415	0.56	2.0	195
D002306		82.1	<0.002	0.02	4.06	17.3	1	2.0	180.0	0.75	0.07	6.47	0.395	0.60	2.5	168
D002307		57.0	<0.002	0.01	1.92	17.0	<1	1.3	174.0	0.70	<0.05	7.04	0.382	0.52	3.2	156
D002308		61.4	<0.002	0.01	1.21	13.0	<1	1.4	161.0	0.61	<0.05	6.52	0.334	0.47	1.9	123
D002309		72.3	<0.002	0.01	1.43	17.0	<1	1.7	181.5	0.80	<0.05	6.58	0.377	0.53	2.6	137
D002310		61.5	<0.002	0.01	1.25	16.2	<1	1.4	177.0	0.64	0.05	6.88	0.378	0.47	2.4	141
D002311		63.9	<0.002	0.01	1.35	17.4	<1	1.5	189.5	0.67	<0.05	6.82	0.380	0.48	2.3	137
D002312		69.5	<0.002	0.01	1.33	17.4	1	1.8	201	0.78	<0.05	8.74	0.361	0.50	3.9	135
D002313		69.6	<0.002	0.01	1.38	15.8	<1	1.7	197.5	1.10	<0.05	7.93	0.378	0.49	4.4	135
D002314		78.0	0.002	0.02	1.46	16.1	4	2.0	179.0	0.94	<0.05	10.55	0.349	0.62	3.8	144
D002315		76.2	<0.002	0.02	1.63	21.8	1	1.8	186.5	0.78	<0.05	8.26	0.380	0.59	2.8	152
D002316		60.7	0.002	0.04	1.26	18.3	1	1.2	229	0.54	<0.05	6.64	0.340	0.49	3.7	131
D002317		65.9	0.004	0.03	1.41	18.8	1	1.4	208	0.61	<0.05	8.07	0.350	0.46	4.9	134
D002318		56.1	0.002	0.07	1.15	18.0	2	1.3	264	0.53	<0.05	8.07	0.296	0.51	6.1	119
D002319		49.2	<0.002	0.01	1.30	24.3	<1	1.1	155.0	0.51	<0.05	4.54	0.420	0.40	1.8	174
D002320		54.9	<0.002	0.01	1.62	22.1	<1	1.3	195.5	0.56	<0.05	6.23	0.420	0.43	2.9	161



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		W ppm 0.1	Y ppm 0.1	Zn ppm 2	Zr ppm 0.5	Au ppm 0.001
D002281		1.1	14.2	81	50.8	<0.001
D002282		1.0	16.2	103	51.1	<0.001
D002283		0.4	8.3	40	74.5	NSS
D002284		1.4	18.2	102	41.7	0.002
D002285		1.1	14.8	99	48.6	<0.001
D002286		1.3	14.6	91	57.5	<0.001
D002287		1.0	15.0	128	40.3	<0.001
D002288		1.1	16.8	105	36.7	0.001
D002289		1.6	13.5	83	49.9	0.001
D002290		1.3	14.0	138	49.3	<0.001
D002291		1.3	15.2	341	70.6	0.001
D002292		1.2	16.8	127	52.4	<0.001
D002293		0.9	16.5	95	31.3	0.001
D002294		1.1	14.5	91	40.3	<0.001
D002295		1.0	18.4	58	33.7	<0.001
D002296		0.9	16.8	128	48.9	<0.001
D002297		1.2	20.7	85	45.6	<0.001
D002298		1.4	17.1	60	51.0	<0.001
D002299		3.6	11.8	78	81.2	<0.001
D002300		1.3	17.2	66	43.1	0.002
D002301		2.8	12.9	275	66.3	0.008
D002302		1.4	13.8	110	41.2	0.003
D002303		2.2	12.7	171	73.2	0.004
D002304		1.0	13.9	104	40.9	0.002
D002305		1.4	14.5	143	53.3	0.001
D002306		1.6	14.5	122	56.2	<0.001
D002307		1.1	15.8	106	54.5	0.001
D002308		0.8	11.6	72	42.6	<0.001
D002309		3.2	14.8	77	52.5	<0.001
D002310		1.0	13.8	74	50.1	0.001
D002311		2.0	15.6	85	46.1	<0.001
D002312		1.1	16.0	79	54.3	0.001
D002313		1.1	15.0	78	54.9	<0.001
D002314		1.2	14.8	97	62.2	0.001
D002315		1.2	15.2	101	56.8	0.001
D002316		1.2	15.0	96	57.9	0.002
D002317		1.0	20.0	98	53.7	0.001
D002318		1.0	18.0	85	61.9	0.006
D002319		2.6	15.0	93	34.9	0.001
D002320		1.1	19.2	85	41.5	0.003



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	Analyte	Recvd Wt.	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe
Units		kg	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%
LOD		0.02	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01
D002321		0.26	0.09	6.69	20.0	950	1.03	0.10	2.66	0.32	27.5	15.4	134	5.89	31.0	4.25
D002322		0.19	0.57	6.66	48.3	1010	1.51	0.21	2.42	1.00	43.7	15.1	93	11.65	55.5	3.80
D002323		0.35	0.11	6.19	41.5	890	1.29	0.20	2.85	0.79	33.7	17.9	122	7.84	31.5	3.91
D002324		0.40	0.09	6.35	11.8	1060	1.30	0.14	2.37	0.59	35.4	17.1	111	3.95	31.2	3.94
D002325		0.35	0.05	6.53	14.1	930	1.14	0.12	2.78	0.28	31.2	19.0	130	5.53	20.4	4.14
D002326		0.28	1.50	9.22	57.0	2490	2.23	0.56	0.09	0.57	60.7	6.4	288	14.85	85.7	5.75
D002327		0.33	0.36	7.56	88.9	1370	2.01	1.88	0.61	1.77	60.3	14.0	110	12.25	52.5	4.36
D002328		0.32	0.39	7.87	49.8	1230	2.56	0.77	0.78	1.08	87.3	12.7	82	10.45	59.3	4.26
D002329		0.41	0.33	7.22	104.5	1450	1.78	1.22	0.40	0.64	71.8	11.7	84	14.25	33.3	3.46
D002330		0.38	0.35	7.77	110.5	1490	1.86	1.19	0.45	1.13	73.2	16.8	108	12.95	54.7	4.34
D002331		0.32	1.07	6.76	174.0	1660	1.84	0.82	0.63	2.84	68.1	12.3	120	13.60	117.5	5.67
D002332		0.31	1.32	10.15	39.4	490	0.70	0.15	0.30	12.45	24.7	52.9	70	11.10	294	8.78
D002333		0.38	1.03	8.84	70.1	1180	1.12	0.59	0.37	1.79	33.8	16.6	61	8.73	146.0	5.60
D002334		0.29	1.82	8.91	287	1210	1.14	0.32	0.55	2.00	35.8	32.1	148	18.85	113.0	7.84
D002335		0.32	0.95	7.38	89.6	1110	1.36	0.36	0.97	0.81	48.8	14.4	80	12.10	40.7	4.38
D002336		0.23	0.46	7.90	63.3	1240	1.42	0.29	0.72	1.63	45.5	21.6	117	9.31	68.5	4.81
D002337		0.23	0.08	8.18	30.1	5350	1.13	0.26	1.04	0.45	49.1	15.1	55	15.75	72.8	5.19
D002338		0.25	0.66	6.95	78.0	1370	1.04	0.45	1.72	1.12	42.7	19.6	119	9.52	41.3	4.54
D002339		0.70	0.17	6.80	28.3	870	1.10	0.26	2.44	0.64	33.3	16.9	140	6.22	22.2	3.84
D002340		0.42	0.25	8.20	25.5	1250	1.38	0.24	1.26	0.61	58.7	20.9	91	27.7	70.6	5.00
D002341		0.36	0.09	7.71	18.8	1220	1.47	0.27	1.63	0.75	43.7	20.3	110	15.95	44.9	4.62
D002342		0.29	0.16	6.81	17.4	940	1.41	0.47	1.44	0.91	44.2	14.8	126	17.95	37.7	4.82
D002343		0.33	0.09	7.18	36.4	890	1.03	0.35	2.99	0.96	31.7	23.1	208	7.67	37.0	4.77
D002344		0.47	2.33	9.03	196.0	1540	1.19	0.53	1.00	10.85	38.2	22.5	58	31.3	132.0	6.84
D002345		0.38	13.85	9.71	1230	3180	1.11	2.05	0.83	48.0	46.3	34.8	62	63.8	117.5	8.25
D002346		0.27	1.47	8.03	166.0	1630	1.35	1.62	1.31	8.31	40.2	37.6	167	13.00	125.0	7.78
D002347		0.21	1.37	9.48	97.7	3100	1.17	0.30	0.30	3.13	26.4	21.8	55	23.5	85.4	7.13
D002348		0.35	1.61	7.37	109.5	1120	1.16	3.78	1.06	1.24	45.3	11.0	119	12.45	33.5	4.37
D002349		0.28	0.26	7.33	83.3	1600	1.97	0.36	0.91	1.08	86.8	13.5	98	12.00	26.6	3.75
D002350		0.37	0.38	9.62	14.6	3190	3.05	0.33	0.14	1.22	83.2	16.7	51	16.85	64.4	4.78
D002351		0.30	2.23	8.51	411	2070	1.96	0.63	0.32	11.60	72.9	19.1	138	32.8	115.0	6.04
D002352		0.30	0.80	6.73	208	1390	1.65	1.23	1.18	4.02	57.8	14.4	95	8.30	59.4	3.48
D002353		0.28	0.99	7.90	72.3	1510	1.89	0.46	0.73	1.20	68.5	13.2	149	11.30	69.7	4.44
D002354		0.27	0.43	7.35	52.4	1090	1.59	0.37	1.63	1.67	51.4	16.8	130	6.22	37.1	3.98
D002355		0.25	0.24	7.75	87.3	990	1.41	0.33	0.77	1.76	42.5	27.2	169	11.75	29.0	4.65
D002356		0.33	2.01	7.91	155.0	2360	1.23	0.52	0.12	18.40	29.2	27.8	56	12.95	132.0	8.02
D002357		0.29	0.27	7.49	144.0	1210	1.21	3.55	0.88	1.20	39.6	22.3	109	14.10	36.4	5.64
D002358		0.42	0.05	6.83	6.6	460	1.14	0.12	4.23	0.14	31.8	26.9	213	3.06	26.8	4.67
D002359		0.20	0.05	6.65	2.1	580	0.66	0.07	3.83	0.22	12.25	22.4	358	2.75	28.0	5.25
D002360		0.59	0.09	6.88	5.6	390	1.02	0.15	4.93	0.10	23.3	25.3	256	3.27	33.0	4.56



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		Ga ppm	Ge ppm	Hf ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Ni ppm	P ppm	Pb ppm
D002321		13.25	0.10	1.2	0.050	1.41	14.6	32.0	2.09	629	1.52	1.70	6.6	50.1	890	10.4
D002322		13.60	0.13	1.8	0.052	1.30	25.4	50.5	1.24	765	2.60	1.39	5.3	48.9	1740	11.1
D002323		13.60	0.10	1.4	0.054	1.26	18.1	36.2	1.63	825	1.95	1.58	7.2	45.4	1000	11.7
D002324		12.80	0.10	1.4	0.051	1.22	18.3	29.2	1.47	701	2.45	1.85	6.6	45.3	740	11.7
D002325		14.55	0.10	1.4	0.048	1.50	16.0	32.4	1.86	672	1.53	1.82	7.8	48.8	460	9.6
D002326		22.4	0.17	3.8	0.107	2.70	35.6	41.4	0.92	265	14.40	1.09	4.2	67.1	1420	55.8
D002327		17.55	0.14	2.7	0.162	2.27	32.5	40.6	1.14	480	17.15	1.31	8.9	51.7	1000	87.6
D002328		20.9	0.16	3.4	0.105	1.95	46.0	61.5	1.15	495	5.63	1.45	16.9	71.2	610	86.6
D002329		17.35	0.15	2.9	0.107	2.33	37.2	44.3	0.98	399	15.50	1.23	9.1	40.4	460	74.2
D002330		19.20	0.15	3.1	0.105	2.29	38.7	49.6	0.98	442	6.31	1.09	7.9	64.7	560	60.1
D002331		14.70	0.17	2.7	0.108	2.02	36.0	72.8	0.78	586	7.94	1.28	8.1	68.4	2150	135.5
D002332		20.3	0.16	0.4	0.076	2.82	13.4	32.5	1.69	3260	2.52	1.90	1.1	193.5	490	52.5
D002333		20.3	0.13	1.3	0.418	2.55	15.8	43.3	1.76	1320	6.37	1.30	4.1	39.0	550	83.1
D002334		20.2	0.15	1.9	0.089	1.67	19.8	96.0	0.85	1175	5.60	1.08	3.5	80.8	840	63.9
D002335		18.10	0.13	2.5	0.064	1.92	26.9	45.9	0.81	795	3.44	1.80	8.8	31.1	920	112.0
D002336		17.75	0.12	2.2	0.070	1.85	22.1	68.8	1.40	1230	3.23	1.57	6.5	64.4	910	89.8
D002337		18.75	0.14	1.5	0.067	1.80	22.2	59.8	0.58	1210	2.87	1.37	5.3	19.0	1360	58.4
D002338		14.00	0.11	1.7	0.064	1.40	20.7	62.1	1.24	826	2.79	1.54	6.3	49.5	910	155.0
D002339		13.75	0.11	1.4	0.054	1.28	16.7	37.7	1.49	639	1.86	1.54	8.0	43.1	860	55.4
D002340		16.90	0.14	1.5	0.074	2.46	30.7	210	1.22	790	2.35	1.37	6.7	39.5	980	22.3
D002341		16.45	0.13	2.1	0.069	1.72	21.9	98.5	1.49	807	2.37	1.58	5.2	53.4	700	16.9
D002342		15.85	0.14	2.4	0.063	1.55	24.0	48.1	1.05	452	4.72	1.22	8.7	50.3	790	29.2
D002343		13.30	0.11	1.4	0.054	1.16	15.5	33.9	2.14	601	2.26	1.52	4.8	72.5	600	49.1
D002344		19.45	0.14	1.4	0.161	2.57	18.7	163.0	0.59	3250	3.20	1.14	4.3	25.6	990	313
D002345		21.4	0.18	1.4	0.128	3.16	24.8	85.3	0.58	6090	8.87	0.46	3.3	43.3	900	4670
D002346		15.90	0.15	2.2	0.121	1.49	21.7	61.4	1.92	1910	7.67	1.55	5.2	120.0	980	273
D002347		21.2	0.12	2.5	0.096	1.61	14.3	120.0	0.65	807	13.15	2.10	3.7	51.6	1100	165.0
D002348		17.60	0.13	2.0	0.091	1.71	23.3	40.9	1.00	601	4.73	1.18	8.2	32.0	860	166.0
D002349		15.60	0.14	3.0	0.068	2.02	35.5	42.2	0.98	1020	3.72	1.92	12.2	49.1	630	52.0
D002350		24.5	0.18	5.6	0.083	4.07	38.5	48.3	1.31	504	8.44	1.34	11.8	50.7	590	31.3
D002351		20.2	0.21	4.9	0.212	2.29	42.9	70.9	0.65	640	24.1	1.28	5.4	131.5	730	138.5
D002352		14.65	0.13	2.5	0.116	1.91	30.6	32.4	1.07	567	3.84	1.59	9.7	52.9	630	133.0
D002353		19.90	0.16	3.0	0.085	2.12	36.7	57.1	1.15	381	4.43	1.09	8.6	63.4	1200	69.7
D002354		15.60	0.13	2.4	0.064	1.75	26.6	32.2	1.43	465	2.83	1.45	8.2	54.9	680	43.4
D002355		18.30	0.12	1.7	0.067	1.77	22.3	38.0	1.45	1320	2.56	1.43	7.2	51.8	1120	54.9
D002356		18.25	0.15	2.2	0.109	1.82	17.3	67.9	0.37	1435	19.55	1.12	2.7	93.1	1280	82.6
D002357		16.75	0.12	1.9	0.088	1.68	20.6	50.6	0.95	1180	5.02	1.22	7.2	36.8	1070	88.5
D002358		13.85	0.10	1.2	0.051	0.94	14.2	19.9	2.92	857	0.97	1.81	8.7	76.2	410	11.7
D002359		13.55	0.07	1.0	0.043	0.57	4.9	14.6	4.26	783	0.70	2.17	2.9	120.5	980	6.2
D002360		12.95	0.09	0.9	0.043	0.74	10.8	19.7	3.46	739	0.45	1.64	6.3	83.5	470	7.4



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Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Rb ppm	Re ppm	S %	Sb ppm	Sc ppm	Se ppm	Sn ppm	Sr ppm	Ta ppm	Te ppm	Th ppm	Ti %	Tl ppm	U ppm	V ppm
		0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1	1
D002321		50.1	<0.002	0.01	1.83	20.3	<1	1.2	178.0	0.53	<0.05	4.14	0.456	0.43	1.5	171
D002322		63.0	0.005	0.09	1.22	17.0	3	1.0	274	0.46	<0.05	7.96	0.263	0.45	5.6	122
D002323		69.2	0.002	0.05	1.24	18.2	3	1.2	226	0.56	<0.05	6.01	0.364	0.47	4.5	144
D002324		52.6	<0.002	0.01	1.43	17.8	2	1.1	165.5	0.53	0.05	4.78	0.371	0.49	1.7	168
D002325		64.6	<0.002	0.01	1.64	18.8	1	1.2	218	0.61	<0.05	4.48	0.424	0.47	1.5	171
D002326		126.0	<0.002	0.17	6.71	20.4	13	1.6	112.5	0.27	0.22	10.00	0.231	1.61	5.1	518
D002327		109.0	<0.002	0.12	10.65	15.9	3	2.3	124.0	0.65	0.35	12.65	0.275	1.02	4.0	196
D002328		99.8	<0.002	0.04	5.59	15.5	2	4.1	160.0	1.13	0.12	20.6	0.335	0.98	6.0	180
D002329		110.0	<0.002	0.09	9.48	13.6	3	2.4	101.0	0.61	0.20	10.15	0.258	1.04	3.4	193
D002330		110.0	<0.002	0.07	8.48	15.5	3	2.1	93.4	0.50	0.22	11.20	0.285	1.01	3.4	220
D002331		92.2	0.003	0.13	17.15	12.2	6	1.7	118.5	0.51	0.20	11.55	0.212	0.90	5.0	183
D002332		60.6	<0.002	0.02	2.65	40.9	4	0.8	68.5	0.09	0.16	2.15	0.131	0.38	2.1	168
D002333		72.2	<0.002	0.04	4.77	24.6	3	1.6	84.6	0.29	0.82	4.37	0.245	0.91	1.6	187
D002334		80.9	<0.002	0.02	13.15	30.6	5	1.4	77.2	0.25	0.15	4.96	0.306	1.20	2.0	260
D002335		77.1	<0.002	0.03	4.43	14.3	2	1.5	215	0.66	0.12	7.58	0.311	0.65	2.5	141
D002336		75.1	<0.002	0.02	5.77	18.6	3	1.6	122.5	0.42	0.12	7.93	0.295	0.77	2.1	205
D002337		66.3	<0.002	0.06	4.95	18.2	2	1.3	204	0.37	0.06	6.28	0.315	0.74	2.1	144
D002338		59.0	<0.002	0.02	8.21	17.4	2	1.3	159.0	0.43	0.08	5.40	0.333	0.64	1.8	158
D002339		55.7	<0.002	0.02	4.16	17.0	1	1.2	166.5	0.73	0.06	5.34	0.331	0.51	3.6	153
D002340		97.4	<0.002	0.01	9.13	20.1	1	1.4	118.5	0.44	0.13	8.43	0.369	1.03	2.1	159
D002341		74.7	<0.002	0.02	4.06	19.7	2	1.4	138.5	0.40	0.12	6.50	0.296	0.71	2.5	173
D002342		67.0	<0.002	0.04	2.48	15.4	5	1.7	123.5	0.63	0.12	8.84	0.355	0.71	2.6	181
D002343		43.1	<0.002	0.02	3.63	20.1	3	1.0	146.5	0.35	0.09	4.56	0.326	0.53	1.5	171
D002344		122.5	<0.002	0.09	29.7	21.7	3	2.0	189.5	0.30	0.18	5.57	0.314	2.54	2.4	161
D002345		162.5	0.002	0.18	29.8	28.8	4	3.1	74.8	0.23	0.38	5.14	0.299	4.69	2.4	236
D002346		66.4	<0.002	0.04	11.70	24.4	5	1.6	92.2	0.41	0.19	7.06	0.311	0.91	3.2	247
D002347		60.3	<0.002	0.02	10.50	28.6	4	1.3	104.5	0.26	0.16	4.42	0.322	1.29	3.1	343
D002348		86.0	<0.002	0.02	5.94	20.0	2	3.3	106.0	0.56	0.14	5.79	0.377	1.28	2.2	222
D002349		85.0	<0.002	0.03	5.29	12.3	2	1.9	133.0	0.84	0.07	13.05	0.305	0.78	3.1	146
D002350		152.0	<0.002	0.02	1.56	13.1	6	2.6	34.9	0.61	0.09	19.45	0.214	1.67	7.5	126
D002351		109.0	<0.002	0.05	18.30	17.1	18	2.7	83.4	0.36	0.16	13.05	0.188	1.92	5.9	594
D002352		87.5	<0.002	0.03	8.25	14.2	3	2.0	111.0	0.68	0.11	9.52	0.296	0.90	3.3	198
D002353		108.0	<0.002	0.05	6.86	18.3	5	1.9	136.0	0.60	0.14	11.30	0.331	1.01	4.8	260
D002354		79.8	<0.002	0.02	3.99	17.2	2	1.6	135.5	0.64	0.07	8.48	0.351	0.75	2.8	201
D002355		86.8	<0.002	0.03	3.83	21.4	1	1.6	112.5	0.50	0.07	6.08	0.339	0.62	2.0	216
D002356		79.6	<0.002	0.06	14.70	23.7	10	1.4	51.6	0.16	0.28	4.74	0.184	1.65	3.0	318
D002357		83.2	<0.002	0.03	7.23	19.8	3	2.5	104.5	0.49	0.18	5.74	0.362	1.12	2.1	215
D002358		44.5	<0.002	0.01	1.48	27.7	<1	1.2	163.5	0.69	<0.05	4.69	0.587	0.35	1.2	177
D002359		21.1	<0.002	0.04	0.46	23.8	<1	0.7	204	0.19	<0.05	1.44	0.355	0.19	1.0	181
D002360		27.5	<0.002	0.01	0.89	28.2	<1	1.0	153.5	0.52	<0.05	3.48	0.486	0.28	1.2	170



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Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Au-ICP21
		W ppm 0.1	Y ppm 0.1	Zn ppm 2	Zr ppm 0.5	Au ppm 0.001
D002321		1.0	14.4	91	39.3	0.001
D002322		0.8	28.4	212	57.4	0.003
D002323		1.2	18.2	141	43.5	0.002
D002324		0.9	16.0	128	44.1	0.002
D002325		0.9	15.1	86	40.0	0.001
D002326		1.9	8.5	291	140.0	0.007
D002327		6.1	15.5	272	87.7	0.001
D002328		2.2	27.4	276	110.5	0.001
D002329		5.8	12.3	197	101.5	0.002
D002330		5.4	11.7	296	107.5	0.001
D002331		2.0	14.1	340	110.0	0.003
D002332		1.0	29.5	496	14.9	0.089
D002333		2.4	11.0	592	46.3	0.028
D002334		1.0	19.9	393	67.7	0.020
D002335		1.4	11.5	179	82.7	0.005
D002336		1.2	12.5	337	72.5	0.006
D002337		1.0	12.7	166	49.0	0.011
D002338		1.8	13.6	214	54.8	0.003
D002339		1.0	13.7	115	47.0	<0.001
D002340		1.5	19.8	123	47.3	0.003
D002341		1.1	16.9	156	73.7	0.001
D002342		1.3	11.7	194	80.5	0.001
D002343		0.7	13.0	153	45.3	0.002
D002344		1.7	18.6	1035	49.6	0.014
D002345		1.2	30.6	2580	54.4	0.025
D002346		1.8	20.0	854	74.1	0.012
D002347		0.8	17.5	543	83.4	0.003
D002348		1.5	11.3	197	67.6	0.001
D002349		1.7	13.4	197	92.9	0.001
D002350		1.5	10.3	276	185.0	<0.001
D002351		1.8	23.2	1660	166.0	0.019
D002352		2.5	17.5	345	84.0	0.006
D002353		1.6	12.0	246	107.5	0.003
D002354		1.4	14.2	198	76.3	0.003
D002355		2.6	10.2	251	57.8	0.002
D002356		0.9	10.2	938	78.7	0.015
D002357		1.3	10.3	212	63.6	<0.001
D002358		1.3	22.4	59	31.7	<0.001
D002359		0.4	12.3	67	26.8	<0.001
D002360		0.8	20.1	55	25.3	<0.001



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	Analyte	Recvd Wt.	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe
Units		kg	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%
LOD		0.02	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01
D002361		0.36	0.06	6.96	4.7	360	0.78	0.13	4.97	0.12	23.7	27.4	286	3.40	28.7	4.51
D002362		0.39	0.27	6.15	44.7	780	1.23	0.50	2.32	0.56	34.8	15.5	134	5.28	26.8	3.57
D002363		0.37	0.12	6.24	37.7	740	1.30	0.32	2.22	0.42	33.3	15.5	128	4.87	26.4	3.83
D002364		0.37	0.13	6.77	28.0	610	0.92	0.14	3.88	0.41	28.3	27.0	252	4.51	41.6	4.49
D002365		0.48	0.14	6.15	31.6	660	1.08	0.32	3.08	0.37	33.0	16.7	156	4.39	22.8	3.52
D002366		0.56	0.07	6.36	16.3	650	1.15	0.12	3.42	0.21	32.9	18.1	178	3.70	25.1	3.72
D002367		0.55	0.08	6.12	19.0	600	1.16	0.13	3.18	0.34	30.0	17.6	171	3.60	28.3	3.48
D002368		0.40	0.15	6.48	29.0	670	1.21	0.20	3.33	0.30	33.1	18.3	182	4.69	24.2	3.87
D002369		0.32	0.17	5.80	13.0	690	1.36	0.13	2.37	0.28	42.1	14.1	110	4.02	23.9	3.01
D002370		0.46	0.35	6.70	14.0	770	1.34	0.17	2.90	0.23	36.3	16.0	150	6.19	27.3	3.49
D002371		0.38	0.12	6.19	9.3	770	1.45	0.18	2.40	0.23	35.0	14.7	118	4.92	18.8	3.26
D002372		0.27	0.36	6.94	15.6	970	1.49	0.23	2.21	0.29	40.4	16.0	112	8.37	37.1	3.73
D002373		0.21	0.26	5.48	11.7	760	1.17	0.20	2.64	1.51	35.6	18.6	138	5.84	32.1	3.53
D002374		0.51	0.35	6.74	17.9	900	1.31	0.16	2.55	0.31	38.2	17.8	133	7.56	31.3	3.82
D002375		0.56	0.25	6.38	18.5	780	1.57	0.18	2.59	0.32	47.6	16.3	130	6.20	27.2	3.96
D002376		0.35	0.09	6.16	11.4	780	1.56	0.20	2.40	0.27	47.2	11.7	112	5.30	17.6	3.44
D002377		0.30	0.57	6.81	23.7	880	1.52	0.23	2.35	0.66	39.7	14.9	103	11.25	46.5	3.67
D002378		0.41	0.17	6.23	14.7	820	1.22	0.12	2.53	0.24	35.5	14.8	113	6.66	25.0	3.66
D002379		0.39	0.14	6.38	15.3	870	1.22	0.12	2.73	0.30	34.7	17.6	133	5.77	26.5	3.96
D002380		0.53	0.06	6.18	12.5	640	1.24	0.16	3.02	0.43	31.0	18.2	141	3.90	23.1	4.81
D002381		0.26	0.18	6.34	9.2	850	1.23	0.15	2.24	0.44	32.8	13.2	103	4.08	23.9	3.45
D002382		0.34	0.11	7.03	9.3	570	1.29	0.10	4.56	0.19	32.4	21.9	201	5.00	22.0	4.22
D002383		0.45	0.10	7.14	13.6	710	1.71	0.18	3.59	0.26	32.5	23.7	211	10.75	37.7	4.63
D002384		0.38	0.13	7.03	18.7	870	1.19	0.10	3.59	0.52	38.4	29.9	175	8.50	52.4	5.44
D002385		0.35	0.07	7.10	12.4	620	1.05	0.13	4.22	0.25	27.1	26.9	234	8.12	32.6	5.25
D002386		0.36	0.12	7.10	11.3	610	1.19	0.17	3.89	0.18	29.8	26.2	252	12.55	45.5	4.51
D002387		0.38	0.09	6.92	11.5	710	1.10	0.14	2.80	0.24	28.4	20.2	158	9.96	34.0	3.92
D002388		0.41	0.06	7.11	8.7	500	1.82	0.10	4.41	0.30	30.4	25.4	219	4.92	23.6	4.91
D002389		0.58	0.09	7.22	6.5	490	1.30	0.12	4.76	0.14	27.1	29.8	267	4.95	37.0	4.83
D002390		0.27	0.14	7.07	3.6	780	1.16	0.15	2.28	0.09	33.0	10.6	81	2.81	37.5	2.52
D002391		0.52	0.08	7.19	5.0	360	0.92	0.13	5.18	0.16	22.0	39.5	336	3.95	103.5	5.31
D002392		0.25	0.09	7.03	20.7	630	1.76	0.25	3.33	0.17	24.8	41.1	301	14.90	121.5	5.99
D002393		0.53	0.11	7.12	3.3	410	1.11	0.15	4.71	0.13	25.5	31.0	281	4.67	62.0	4.48
D002394		0.36	0.06	6.94	8.3	460	1.04	0.22	3.79	0.18	21.9	40.0	318	7.52	106.5	5.56
D002395		0.25	0.60	5.33	4.1	500	1.01	0.15	2.01	0.35	34.2	14.2	233	2.64	151.0	2.47
D002396		0.34	0.19	6.94	10.5	510	1.21	0.22	3.35	0.25	47.9	38.6	272	6.68	198.0	4.77
D002397		0.36	0.45	7.14	10.5	550	1.34	0.34	2.07	0.13	27.6	47.0	303	6.64	235	5.61
D002398		0.61	0.17	7.14	4.5	350	0.84	0.13	5.23	0.14	19.95	37.2	320	2.87	103.5	5.16
D002399		0.41	0.06	7.37	3.8	300	0.61	0.09	6.09	0.13	18.10	37.6	369	1.99	94.5	4.76
D002400		0.38	0.04	6.81	5.2	290	0.64	0.11	4.71	0.21	16.85	30.2	347	2.27	41.0	4.84



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Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Ga ppm 0.05	Ge ppm 0.05	Hf ppm 0.1	In ppm 0.005	K % 0.01	La ppm 0.5	Li ppm 0.2	Mg % 0.01	Mn ppm 5	Mo ppm 0.05	Na % 0.01	Nb ppm 0.1	Ni ppm 0.2	P ppm 10	Pb ppm 0.5
D002361		14.00	0.08	1.3	0.045	0.69	11.5	17.2	3.55	745	0.68	1.54	6.4	90.4	540	6.3
D002362		13.05	0.08	1.2	0.048	1.24	17.2	26.7	1.65	565	1.63	1.52	7.8	45.9	450	19.2
D002363		13.10	0.10	1.3	0.046	1.22	16.1	29.5	1.68	524	1.88	1.59	7.5	46.3	580	17.4
D002364		13.35	0.10	1.1	0.046	0.96	13.5	25.4	2.99	800	1.01	1.69	7.4	86.4	900	8.9
D002365		12.45	0.10	1.2	0.041	1.10	16.4	22.1	1.72	572	1.32	1.64	7.2	46.6	690	11.5
D002366		12.80	0.10	1.2	0.042	1.03	17.2	22.6	2.28	573	0.99	1.71	7.5	56.9	600	8.9
D002367		11.85	0.11	1.1	0.037	1.06	15.6	21.1	1.90	562	1.20	1.63	7.3	50.7	770	9.6
D002368		12.95	0.10	1.3	0.043	1.12	16.9	25.7	2.13	623	1.42	1.68	8.3	56.4	840	12.1
D002369		12.25	0.10	1.3	0.036	1.26	20.9	23.8	1.35	561	1.12	1.63	8.0	35.5	730	11.4
D002370		14.30	0.11	1.5	0.043	1.26	18.6	32.8	1.87	522	1.16	1.66	8.1	49.4	870	11.0
D002371		13.10	0.11	1.5	0.042	1.33	17.3	28.7	1.53	485	1.12	1.66	8.7	35.6	630	12.8
D002372		16.05	0.10	1.8	0.044	1.44	21.5	43.0	1.44	646	1.60	1.61	7.6	41.5	920	13.7
D002373		12.10	0.11	1.4	0.040	1.05	19.7	32.2	1.68	1025	1.76	1.27	9.6	55.7	1220	10.1
D002374		14.45	0.11	1.5	0.043	1.36	19.9	39.1	1.76	792	2.25	1.68	7.6	46.0	990	11.0
D002375		13.80	0.11	1.4	0.046	1.25	24.1	35.5	1.60	826	2.18	1.56	13.4	39.6	920	12.2
D002376		15.55	0.11	1.7	0.043	1.30	23.9	26.1	1.38	477	1.38	1.63	10.0	29.5	710	13.5
D002377		17.05	0.11	1.9	0.042	1.45	20.5	41.8	1.41	664	2.26	1.57	7.5	41.6	1090	13.8
D002378		13.15	0.10	1.3	0.040	1.38	17.6	28.8	1.56	602	1.33	1.70	7.4	39.9	880	10.2
D002379		13.20	0.11	1.4	0.042	1.35	17.6	30.0	1.91	641	1.18	1.66	7.7	47.0	810	9.6
D002380		13.45	0.11	1.3	0.051	1.01	15.5	25.6	1.85	712	1.44	1.54	8.5	43.1	770	10.7
D002381		14.50	0.10	1.5	0.043	1.23	16.4	25.9	1.38	510	1.76	1.80	7.4	36.0	490	11.6
D002382		14.95	0.11	1.3	0.050	0.98	16.1	20.3	2.69	703	1.30	1.85	7.0	64.3	560	8.8
D002383		16.20	0.11	1.5	0.056	1.13	17.7	30.4	2.75	840	1.52	1.60	8.0	72.5	750	11.8
D002384		15.45	0.12	1.7	0.056	1.45	19.0	29.0	2.73	926	1.14	1.62	8.1	69.8	800	10.0
D002385		15.50	0.11	1.3	0.052	1.04	13.6	26.8	3.05	865	0.90	1.66	7.5	78.8	670	8.7
D002386		15.70	0.10	1.5	0.051	1.02	15.5	31.7	3.00	800	0.91	1.70	7.0	83.4	900	9.9
D002387		16.45	0.09	1.5	0.041	1.36	14.1	29.0	2.13	659	1.08	1.85	7.5	61.5	920	9.0
D002388		15.85	0.10	1.2	0.053	0.94	13.8	22.1	2.82	828	0.75	1.86	7.4	72.5	720	7.2
D002389		15.30	0.11	1.1	0.051	0.87	13.1	20.9	3.41	870	0.78	1.78	6.7	88.6	540	7.6
D002390		16.80	0.09	2.5	0.023	1.86	16.8	22.3	1.18	435	1.42	2.39	6.0	26.4	630	8.6
D002391		13.95	0.10	0.8	0.048	0.69	10.0	26.0	4.70	986	0.59	1.57	5.7	141.0	500	6.3
D002392		17.15	0.11	1.1	0.059	0.88	11.3	47.7	3.44	1570	2.08	1.23	7.1	106.0	760	11.7
D002393		13.70	0.10	0.9	0.046	0.78	12.5	31.8	4.19	749	0.37	1.65	7.7	113.0	490	8.0
D002394		14.25	0.12	0.9	0.057	0.71	10.3	40.0	4.32	1010	0.74	1.32	5.6	134.5	810	7.3
D002395		8.64	0.15	0.7	0.031	0.51	21.0	28.1	1.84	353	3.26	0.82	4.0	68.6	1680	5.6
D002396		13.40	0.19	1.0	0.050	0.77	21.4	31.1	2.82	942	1.14	1.22	6.7	99.6	1900	8.3
D002397		13.70	0.13	1.2	0.049	0.74	13.9	41.8	2.96	1060	2.98	0.82	6.0	122.5	2000	8.8
D002398		13.70	0.15	0.8	0.053	0.59	9.4	22.0	4.27	925	0.89	1.53	4.7	111.5	510	5.1
D002399		14.00	0.13	0.8	0.048	0.56	8.1	18.5	4.63	804	0.62	1.58	3.9	134.0	500	4.7
D002400		11.55	0.14	0.8	0.037	0.58	7.9	20.1	4.21	736	0.61	1.31	4.0	107.0	390	4.6



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CERTIFICATE OF ANALYSIS WH23224950

Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Rb ppm	Re ppm	S %	Sb ppm	Sc ppm	Se ppm	Sn ppm	Sr ppm	Ta ppm	Te ppm	Th ppm	Ti %	Tl ppm	U ppm	V ppm
		0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1	1
D002361		29.7	<0.002	0.02	0.79	31.2	<1	1.0	170.5	0.53	<0.05	3.54	0.454	0.23	1.3	160
D002362		59.6	<0.002	0.01	2.89	17.2	<1	1.4	163.0	0.60	0.07	4.42	0.380	0.47	1.7	153
D002363		58.1	<0.002	0.01	2.21	17.6	<1	1.3	157.5	0.55	<0.05	4.91	0.370	0.49	1.8	153
D002364		27.8	<0.002	0.01	2.68	24.9	<1	1.1	183.5	0.53	<0.05	3.41	0.522	0.35	1.2	168
D002365		50.1	<0.002	0.01	1.99	19.9	<1	1.1	187.5	0.57	<0.05	4.57	0.393	0.42	1.7	144
D002366		41.3	<0.002	0.01	1.91	21.9	<1	1.1	192.0	0.56	<0.05	4.03	0.453	0.36	1.4	150
D002367		46.0	<0.002	0.01	2.04	20.3	<1	1.1	182.5	0.55	<0.05	3.89	0.408	0.36	1.6	141
D002368		48.7	<0.002	0.01	2.52	20.9	<1	1.3	203	0.66	<0.05	4.87	0.447	0.42	2.2	152
D002369		60.7	<0.002	0.01	1.67	16.7	1	1.2	192.0	0.68	<0.05	6.81	0.344	0.46	1.9	118
D002370		58.1	<0.002	0.02	1.66	20.2	1	1.4	220	0.62	<0.05	5.56	0.395	0.48	3.0	139
D002371		63.3	<0.002	0.01	1.44	17.6	<1	1.4	186.0	0.64	<0.05	5.86	0.374	0.51	2.1	137
D002372		70.4	<0.002	0.03	1.19	19.0	1	1.4	257	0.63	<0.05	8.39	0.326	0.55	4.8	134
D002373		50.5	0.003	0.08	1.10	18.1	3	1.2	234	0.93	<0.05	6.63	0.288	0.42	5.4	119
D002374		62.0	0.002	0.02	1.48	19.8	1	1.3	225	0.56	<0.05	5.99	0.370	0.47	2.8	146
D002375		60.9	<0.002	0.02	1.41	19.8	1	1.4	196.5	1.65	<0.05	7.96	0.395	0.48	3.0	153
D002376		63.4	<0.002	0.01	1.14	17.8	<1	1.5	223	0.77	<0.05	6.61	0.415	0.46	2.3	137
D002377		77.4	0.004	0.05	1.22	18.5	1	1.3	265	0.56	<0.05	7.30	0.314	0.56	5.9	125
D002378		58.8	<0.002	0.01	1.57	18.4	<1	1.1	208	0.53	<0.05	4.73	0.385	0.43	2.1	145
D002379		56.9	<0.002	0.01	1.39	20.4	<1	1.1	175.0	0.57	<0.05	5.11	0.415	0.48	2.2	163
D002380		49.5	<0.002	0.02	1.41	21.2	<1	1.2	189.0	0.68	<0.05	4.79	0.419	0.36	2.9	166
D002381		54.0	<0.002	0.01	1.18	17.8	<1	1.3	190.0	0.59	<0.05	4.42	0.395	0.47	1.7	153
D002382		43.4	<0.002	0.01	1.23	28.7	<1	1.2	189.0	0.57	<0.05	4.40	0.526	0.34	2.2	175
D002383		50.1	<0.002	0.02	1.28	27.3	<1	1.4	170.0	0.59	<0.05	5.35	0.478	0.45	3.4	178
D002384		57.5	<0.002	0.01	1.98	30.8	<1	1.3	192.0	0.58	<0.05	5.37	0.562	0.45	2.6	226
D002385		45.4	<0.002	0.02	1.33	28.8	<1	1.2	177.5	0.58	<0.05	4.13	0.540	0.36	1.5	209
D002386		39.4	<0.002	0.03	1.04	26.9	<1	1.2	213	0.54	<0.05	4.80	0.452	0.39	2.5	165
D002387		71.6	<0.002	0.03	1.31	20.1	<1	1.2	262	0.52	<0.05	4.59	0.422	0.42	1.7	136
D002388		44.2	<0.002	0.01	1.23	27.0	<1	1.2	191.5	0.52	<0.05	3.72	0.616	0.30	1.4	191
D002389		41.7	<0.002	0.02	1.02	29.6	<1	1.2	196.0	0.49	<0.05	3.54	0.546	0.29	1.8	178
D002390		50.8	<0.002	0.03	0.61	9.9	<1	0.8	481	0.44	<0.05	5.19	0.276	0.30	2.1	64
D002391		31.3	<0.002	<0.01	1.00	33.4	<1	1.1	145.0	0.45	<0.05	3.60	0.518	0.28	1.4	187
D002392		34.1	<0.002	0.03	1.04	27.4	<1	1.4	132.5	0.50	<0.05	4.78	0.445	0.44	2.4	188
D002393		44.3	<0.002	0.02	0.70	31.8	<1	1.4	152.0	0.83	<0.05	5.71	0.475	0.33	5.2	164
D002394		43.0	<0.002	0.03	0.69	31.8	1	1.3	128.5	0.45	<0.05	4.38	0.435	0.35	2.7	188
D002395		21.7	0.007	0.34	1.25	18.2	9	0.8	106.0	0.32	<0.05	5.14	0.236	0.25	44.9	93
D002396		40.0	<0.002	0.08	1.02	31.8	2	1.2	153.5	0.59	<0.05	7.51	0.380	0.35	6.3	145
D002397		39.9	<0.002	0.09	0.79	23.9	1	1.3	121.5	0.49	0.05	7.50	0.314	0.47	5.4	153
D002398		26.9	<0.002	0.01	0.62	34.2	1	1.0	156.5	0.40	<0.05	2.48	0.538	0.22	2.3	209
D002399		18.0	<0.002	0.01	0.72	35.7	1	0.8	174.5	0.30	<0.05	2.06	0.458	0.18	1.1	179
D002400		22.7	<0.002	0.02	0.69	27.7	1	0.8	132.5	0.33	<0.05	2.25	0.441	0.20	0.8	164



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Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Au-ICP21
		W ppm 0.1	Y ppm 0.1	Zn ppm 2	Zr ppm 0.5	Au ppm 0.001
D002361		0.9	17.6	50	36.6	0.002
D002362		1.2	14.3	96	39.7	0.001
D002363		1.1	13.5	100	42.4	<0.001
D002364		1.5	17.6	82	32.2	0.001
D002365		1.0	15.8	76	35.6	<0.001
D002366		1.1	16.4	66	35.9	<0.001
D002367		0.9	16.2	72	36.6	<0.001
D002368		1.2	16.4	76	39.5	0.001
D002369		1.2	16.8	70	42.7	0.001
D002370		1.2	16.3	77	46.1	0.002
D002371		1.0	14.7	79	49.7	0.011
D002372		1.0	17.7	110	58.2	0.002
D002373		0.8	18.0	110	46.6	0.005
D002374		0.9	17.4	97	47.5	0.001
D002375		1.1	17.9	93	45.7	0.001
D002376		2.0	16.3	64	54.6	<0.001
D002377		1.1	19.3	118	59.3	0.003
D002378		0.9	16.5	78	43.4	0.001
D002379		0.9	17.1	85	42.5	0.001
D002380		1.0	17.0	85	38.9	0.001
D002381		0.9	14.0	84	46.5	<0.001
D002382		29.7	23.7	61	39.2	0.001
D002383		1.0	24.2	92	42.5	0.001
D002384		1.0	22.9	99	43.8	0.003
D002385		1.0	19.6	82	32.8	0.002
D002386		1.6	23.0	95	41.4	0.001
D002387		1.2	14.9	97	49.2	<0.001
D002388		1.1	22.7	79	33.1	<0.001
D002389		1.0	22.3	65	32.5	0.001
D002390		0.7	10.0	55	86.0	<0.001
D002391		1.1	22.4	68	23.1	<0.001
D002392		1.2	19.1	111	33.1	0.002
D002393		0.9	23.3	74	27.1	<0.001
D002394		1.0	21.8	106	31.6	<0.001
D002395		0.9	29.3	77	21.0	NSS
D002396		1.2	38.9	102	32.9	0.001
D002397		1.4	17.2	88	35.3	0.006
D002398		0.8	21.3	72	24.5	0.001
D002399		0.7	18.1	54	18.6	<0.001
D002400		0.8	13.8	53	20.2	<0.001



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	Analyte	Recvd Wt.	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe
Units		kg	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%
LOD		0.02	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01
D002401		0.36	0.07	6.87	5.5	420	0.96	0.17	4.25	0.16	20.1	35.1	326	4.02	127.0	5.15
D002402		0.41	0.09	6.70	5.0	450	0.91	0.15	4.32	0.16	25.4	21.1	273	2.48	39.8	3.86
D002403		0.51	0.02	7.06	3.8	340	0.71	0.18	5.46	0.12	19.10	35.2	392	2.08	58.5	4.36
D002404		0.52	0.06	7.13	4.6	370	0.70	0.17	4.81	0.10	17.15	36.7	456	3.38	98.9	5.08
D002405		0.46	0.14	7.38	3.7	310	0.75	0.13	5.69	0.16	17.30	31.3	408	1.89	69.8	4.92
D002406		0.81	0.13	7.71	2.8	330	0.62	0.11	6.07	0.11	17.20	25.7	413	4.17	68.5	3.97
D002501		0.28	0.67	7.93	68.3	1130	2.01	0.57	0.97	2.50	70.3	72.6	134	9.08	137.0	5.25
D002502		0.39	0.60	7.04	73.7	1270	1.76	0.66	0.62	1.79	64.9	15.4	102	10.70	45.1	4.50
D002503		0.29	0.15	6.73	33.3	1790	1.89	0.25	0.33	1.35	80.5	8.8	60	8.86	18.4	2.68
D002504		0.25	0.09	6.50	25.1	1350	1.81	0.14	0.32	10.60	53.6	6.4	59	5.95	9.7	1.74
D002505		0.27	0.52	7.52	47.2	1410	1.75	0.39	0.65	4.00	67.2	13.2	115	13.00	36.3	3.90
D002506		0.32	0.50	6.60	55.3	1530	1.69	0.53	0.84	1.65	58.5	10.1	92	8.96	30.3	3.86
D002507		0.42	1.06	6.35	83.3	1860	1.72	0.36	0.86	1.70	43.8	10.6	188	10.60	71.6	5.69
D002508		0.30	0.38	7.14	76.6	1020	2.02	0.46	1.42	3.81	58.7	14.7	132	6.92	61.1	4.53
D002509		0.26	1.07	8.43	199.5	730	1.23	0.18	0.34	4.30	32.9	43.9	176	11.85	109.5	6.84
D002510		0.37	0.98	8.31	59.4	1820	1.10	0.22	0.25	12.40	32.0	79.0	38	12.10	137.0	6.76
D002511		0.35	0.32	7.14	39.3	840	0.91	0.17	2.95	1.90	30.1	27.4	280	14.60	61.6	4.39
D002512		0.48	0.66	7.21	83.7	990	1.23	0.58	1.70	1.74	40.5	17.5	163	9.16	59.3	4.76
D002513		0.44	0.41	7.59	67.6	2040	1.46	0.63	1.51	0.92	39.8	12.8	118	14.85	83.5	4.56
D002514		0.35	0.10	9.41	5.7	4120	0.99	0.41	0.39	0.30	55.6	19.8	32	13.75	99.4	4.80
D002515		0.39	0.05	7.38	13.9	1000	1.02	0.21	0.42	0.94	52.8	29.7	62	10.75	66.7	5.96
D002516		0.49	0.14	7.28	6.9	880	1.04	0.15	1.42	0.48	46.3	25.8	51	10.15	85.2	5.17
D002517		0.29	1.37	6.52	35.8	1530	1.57	0.22	0.98	1.13	39.8	8.5	161	10.80	62.8	6.09
D002518		0.38	0.79	7.04	56.0	1040	1.24	0.19	2.93	0.97	31.9	20.5	235	13.95	82.8	4.08
D002519		0.25	0.06	6.13	8.1	670	1.13	0.51	2.54	0.16	33.4	12.0	121	3.51	15.2	2.86
D002520		0.26	0.08	7.40	4.8	500	0.79	0.10	4.68	0.34	14.20	21.9	320	3.34	22.8	3.70
D002521		0.26	0.05	7.25	4.8	410	0.69	0.11	4.70	0.16	19.85	21.5	274	3.17	18.9	3.69
D002522		0.29	0.22	6.50	7.8	590	1.01	0.12	3.70	0.19	29.0	16.2	246	3.55	26.3	3.49
D002523		0.27	0.10	6.75	7.9	630	1.18	0.13	3.55	0.13	36.8	19.1	249	5.09	71.5	3.76
D002524		0.35	0.09	6.88	9.1	580	1.08	0.16	3.45	0.13	39.1	26.4	281	6.01	62.2	4.07
D002525		0.36	0.12	6.13	13.2	700	1.22	0.23	2.11	0.25	44.0	13.6	116	6.15	24.7	3.59
D002526		0.41	0.14	6.79	31.6	880	1.28	0.21	1.88	0.39	46.9	15.6	129	19.70	22.3	4.23
D002527		0.29	0.07	5.98	17.2	790	1.04	0.23	1.55	0.23	39.5	10.4	110	12.00	15.2	3.69
D002528		0.34	4.36	6.75	267	1190	1.34	2.21	1.22	1.42	53.1	7.2	127	22.3	209	5.58
D002529		0.36	1.00	7.07	137.5	1140	1.55	3.78	1.62	19.25	51.6	20.5	122	18.30	134.0	4.27
D002530		0.47	0.19	6.60	51.0	860	1.69	0.53	2.23	0.63	48.6	21.5	134	7.88	70.4	4.03
D002531		0.38	0.26	6.44	46.1	780	1.31	0.44	2.21	0.65	37.2	16.8	127	8.23	56.9	4.15
D002532		0.37	0.36	6.96	24.0	1140	1.49	0.27	2.12	0.33	41.5	15.1	121	19.45	25.5	3.95
D002533		0.40	0.15	6.36	16.4	950	1.41	0.20	2.40	0.23	40.5	13.4	115	5.54	22.6	3.53
D002534		0.70	0.17	5.69	10.2	850	1.11	0.12	2.39	0.26	40.0	11.0	105	5.14	13.1	2.71



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Project: Rosy

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Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
	Analyte	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P	Pb
Units		ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm
LOD		0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10	0.5
D002401		13.00	0.13	0.8	0.050	0.65	8.8	30.6	4.10	946	1.02	1.32	5.0	124.5	510	5.8
D002402		15.00	0.15	1.1	0.037	0.84	12.5	16.7	2.67	589	0.78	1.47	7.0	73.8	370	7.7
D002403		13.70	0.14	0.8	0.045	0.62	8.6	19.2	4.65	790	0.74	1.49	4.8	142.0	350	5.4
D002404		13.20	0.13	0.9	0.044	0.59	8.0	26.1	5.05	840	1.29	1.29	4.7	169.0	380	5.3
D002405		12.40	0.11	0.7	0.048	0.56	7.8	20.5	4.68	797	0.86	1.49	3.8	139.5	250	4.5
D002406		12.40	0.15	0.7	0.037	0.57	8.3	19.3	3.98	681	0.96	1.51	4.5	107.5	530	4.4
D002501		16.85	0.21	2.6	0.085	1.82	38.1	55.6	1.25	1010	4.02	1.06	7.5	107.0	1220	41.3
D002502		18.65	0.19	3.1	0.072	1.82	33.5	26.7	0.86	736	8.92	1.67	10.0	43.5	1570	47.1
D002503		15.15	0.17	2.9	0.049	2.27	34.2	19.0	1.12	628	1.24	2.04	11.5	25.5	520	27.8
D002504		15.15	0.15	2.8	0.041	1.99	24.3	16.2	0.79	1835	1.52	2.63	18.9	11.3	380	16.0
D002505		19.00	0.18	3.3	0.084	2.19	35.1	25.7	0.85	512	4.29	1.64	9.1	43.6	1300	29.4
D002506		16.60	0.18	2.8	0.066	2.11	29.9	22.6	0.92	596	6.68	1.20	8.6	42.5	1560	38.9
D002507		15.20	0.17	2.5	0.072	1.60	29.2	59.6	0.98	408	8.51	0.85	6.5	51.0	2240	58.1
D002508		15.45	0.16	2.5	0.065	1.79	31.5	45.3	1.33	473	3.72	1.41	7.9	77.0	730	39.3
D002509		17.30	0.16	1.1	0.070	1.57	15.0	129.5	2.25	1250	4.29	1.22	4.7	120.0	530	90.3
D002510		17.60	0.15	1.8	0.090	1.38	14.8	36.1	0.68	5330	46.6	2.10	2.5	151.0	790	70.0
D002511		14.90	0.14	1.4	0.049	1.26	14.6	71.5	2.96	663	1.44	1.32	7.8	105.0	320	17.2
D002512		15.75	0.17	1.6	0.074	1.50	20.3	40.4	1.64	775	2.91	1.38	7.0	59.9	960	53.7
D002513		15.55	0.16	1.6	0.083	1.60	21.1	48.5	1.44	655	3.76	1.64	7.3	46.9	1070	27.7
D002514		19.85	0.20	0.8	0.073	1.84	15.8	46.9	1.27	1330	1.12	2.18	3.2	13.2	900	19.4
D002515		15.90	0.20	1.0	0.089	1.76	16.7	78.8	1.19	3290	2.39	1.86	4.4	31.7	1010	16.8
D002516		14.65	0.20	1.8	0.066	1.72	23.4	85.5	1.30	1075	1.80	1.74	2.8	32.1	810	13.2
D002517		13.75	0.19	2.2	0.053	1.62	26.0	50.0	1.02	270	8.29	1.12	5.5	45.9	1100	24.4
D002518		14.40	0.19	1.6	0.042	1.30	17.3	37.5	2.34	737	6.27	1.44	6.5	81.9	1220	14.6
D002519		17.65	0.21	1.8	0.034	1.32	16.9	16.8	1.24	387	1.36	1.84	8.9	34.2	480	12.4
D002520		14.45	0.15	0.6	0.036	1.07	6.4	17.6	2.74	485	0.98	1.66	4.0	68.2	360	6.9
D002521		13.90	0.19	0.9	0.035	0.93	9.4	17.4	3.19	525	0.79	1.78	4.7	82.4	490	7.1
D002522		12.50	0.17	1.1	0.040	1.04	15.3	21.7	2.12	641	0.88	1.58	7.0	56.8	590	8.6
D002523		12.70	0.15	1.2	0.042	1.09	18.1	26.4	2.63	615	0.71	1.67	6.9	78.4	900	8.9
D002524		13.85	0.11	1.3	0.042	1.01	17.0	29.8	2.98	770	0.83	1.51	7.9	96.8	850	9.1
D002525		15.15	0.11	1.7	0.045	1.20	23.3	28.5	1.22	559	1.40	1.51	10.5	32.9	1790	11.4
D002526		17.70	0.11	2.3	0.050	1.68	23.3	96.7	1.20	626	2.24	1.31	19.3	44.8	1410	16.2
D002527		16.45	0.09	1.8	0.046	1.36	20.2	62.2	1.03	577	1.58	1.22	12.2	29.5	950	14.1
D002528		17.15	0.14	2.5	0.303	1.78	30.3	36.9	1.21	369	14.20	1.21	9.5	33.2	870	199.0
D002529		17.35	0.13	2.3	0.189	1.73	30.5	57.5	1.37	1890	4.56	1.27	7.9	108.5	1030	72.2
D002530		13.70	0.11	1.6	0.061	1.35	19.9	39.7	1.76	803	1.76	1.45	8.0	64.6	840	24.3
D002531		13.55	0.10	1.5	0.057	1.30	17.4	38.1	1.64	622	1.66	1.44	7.9	56.3	1150	23.2
D002532		15.35	0.12	1.7	0.052	1.33	22.8	50.5	1.47	689	1.72	1.56	8.2	41.7	1100	16.5
D002533		14.00	0.11	1.5	0.050	1.36	21.9	35.5	1.40	565	1.66	1.70	8.8	37.1	920	14.5
D002534		11.70	0.11	1.5	0.036	1.32	20.4	25.2	1.29	458	0.95	1.68	8.4	29.8	810	10.6



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Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Rb ppm	Re ppm	S %	Sb ppm	Sc ppm	Se ppm	Sn ppm	Sr ppm	Ta ppm	Te ppm	Th ppm	Ti %	Tl ppm	U ppm	V ppm
		0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1	1
D002401		24.3	<0.002	0.02	0.72	28.0	1	1.1	133.0	0.41	<0.05	3.53	0.442	0.27	1.6	177
D002402		37.0	<0.002	0.01	0.92	27.4	<1	1.2	178.0	0.58	<0.05	3.15	0.454	0.27	1.1	153
D002403		21.0	<0.002	0.01	0.70	31.7	1	0.9	166.5	0.38	<0.05	2.53	0.406	0.20	1.3	157
D002404		25.2	<0.002	0.01	0.63	28.8	1	1.0	144.0	0.38	<0.05	2.64	0.397	0.24	1.9	159
D002405		18.2	<0.002	0.01	0.58	29.5	1	0.8	156.0	0.32	<0.05	2.53	0.436	0.16	1.0	176
D002406		20.1	0.002	0.03	0.60	30.7	<1	0.7	181.0	0.51	<0.05	2.23	0.419	0.18	2.1	159
D002501		87.6	<0.002	0.21	5.10	20.1	3	1.8	227	0.67	0.11	13.05	0.306	0.78	4.4	215
D002502		96.6	<0.002	0.08	3.26	15.1	5	2.1	126.0	0.77	0.16	11.45	0.321	0.98	4.0	259
D002503		95.5	<0.002	0.02	1.64	8.9	1	1.9	64.7	0.71	<0.05	11.60	0.251	0.82	2.0	76
D002504		108.5	<0.002	0.02	0.53	7.9	1	2.1	81.7	1.21	<0.05	7.84	0.285	0.52	1.9	77
D002505		116.5	<0.002	0.07	2.53	16.3	2	2.1	139.5	0.64	0.08	9.59	0.350	0.82	3.5	221
D002506		102.0	<0.002	0.06	2.32	13.7	3	1.9	107.0	0.64	0.14	9.25	0.273	0.90	3.2	201
D002507		76.6	<0.002	0.06	8.93	16.2	6	1.6	155.0	0.48	0.27	7.41	0.269	1.26	4.3	465
D002508		86.4	<0.002	0.03	5.89	18.4	2	1.9	131.0	0.69	0.09	9.33	0.320	0.81	4.3	211
D002509		47.3	<0.002	0.02	10.65	31.7	3	2.2	55.5	0.33	0.13	4.16	0.348	0.63	2.1	246
D002510		49.6	<0.002	0.02	8.20	30.2	3	1.1	58.0	0.17	0.08	3.47	0.247	1.07	4.2	370
D002511		41.5	<0.002	0.01	3.81	24.6	2	1.1	129.5	0.58	<0.05	5.00	0.393	0.67	1.6	177
D002512		70.9	<0.002	0.04	5.38	20.1	2	1.5	140.0	0.48	0.11	5.94	0.369	0.64	1.9	194
D002513		63.2	<0.002	0.04	2.81	19.9	2	1.6	166.0	0.60	0.12	6.41	0.373	0.63	3.5	180
D002514		76.0	<0.002	0.02	0.39	29.2	2	1.3	194.5	0.22	0.27	5.13	0.318	0.88	1.3	154
D002515		72.9	0.003	0.02	2.06	18.6	1	1.0	64.1	0.28	0.17	5.05	0.334	0.56	2.0	143
D002516		64.4	<0.002	0.03	1.92	22.2	1	1.0	72.4	0.17	0.10	5.50	0.224	0.52	1.5	159
D002517		70.7	<0.002	0.31	6.37	14.4	8	1.3	147.5	0.43	0.13	4.92	0.242	1.15	2.6	412
D002518		53.1	0.002	0.05	3.54	24.7	2	1.2	170.0	0.50	0.05	5.20	0.355	0.68	3.3	269
D002519		54.1	<0.002	0.02	1.09	15.6	1	1.6	233	0.75	0.08	5.25	0.433	0.40	1.8	129
D002520		34.7	<0.002	0.01	0.83	26.5	1	0.8	199.5	0.31	<0.05	1.77	0.378	0.38	0.6	144
D002521		39.2	<0.002	0.02	0.88	25.3	1	0.9	210	0.38	<0.05	3.13	0.451	0.27	0.9	153
D002522		44.2	<0.002	0.03	1.05	20.5	1	1.1	182.0	0.63	<0.05	4.56	0.378	0.33	1.9	133
D002523		42.2	<0.002	0.03	1.03	21.5	1	1.2	192.5	0.58	<0.05	5.16	0.413	0.32	1.5	134
D002524		46.7	<0.002	0.04	1.28	22.8	<1	1.2	172.0	0.57	<0.05	4.77	0.395	0.38	2.1	132
D002525		57.6	<0.002	0.06	1.35	15.2	<1	1.5	190.5	0.70	<0.05	6.70	0.429	0.45	2.2	130
D002526		81.2	<0.002	0.02	2.16	16.2	<1	1.5	175.0	2.57	<0.05	9.03	0.395	0.72	20.5	167
D002527		61.8	<0.002	0.02	1.72	13.3	<1	1.6	159.0	0.81	<0.05	6.35	0.434	0.57	2.0	137
D002528		88.6	<0.002	0.15	10.45	15.8	8	2.1	197.0	0.68	0.28	9.20	0.337	1.11	4.3	235
D002529		97.8	0.004	0.09	6.21	18.0	2	2.0	176.5	0.53	0.43	8.74	0.305	1.02	10.3	173
D002530		62.1	<0.002	0.02	3.19	17.6	<1	1.4	173.0	0.59	0.09	6.56	0.348	0.62	5.4	148
D002531		59.6	<0.002	0.02	3.23	16.6	<1	1.4	161.5	0.60	0.07	6.19	0.333	0.61	2.3	146
D002532		65.0	<0.002	0.04	1.55	19.5	<1	1.4	180.5	0.60	0.05	7.57	0.349	0.67	4.5	158
D002533		62.5	<0.002	0.02	1.87	16.6	1	1.3	194.5	0.66	<0.05	5.50	0.365	0.59	2.7	153
D002534		56.1	<0.002	0.01	2.19	14.7	<1	1.0	185.5	0.68	<0.05	5.38	0.360	0.52	1.9	136



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Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Au-ICP21
		W ppm 0.1	Y ppm 0.1	Zn ppm 2	Zr ppm 0.5	Au ppm 0.001
D002401		1.0	15.2	72	24.5	<0.001
D002402		1.1	15.6	43	32.1	<0.001
D002403		0.8	16.2	50	21.3	0.029
D002404		0.9	15.5	64	24.4	<0.001
D002405		0.7	14.5	56	16.6	<0.001
D002406		0.7	17.6	50	18.1	<0.001
D002501		1.8	12.8	268	90.8	0.004
D002502		2.2	11.3	253	108.5	<0.001
D002503		1.1	10.8	127	85.8	<0.001
D002504		1.0	12.9	198	82.5	<0.001
D002505		1.4	13.3	236	119.0	<0.001
D002506		1.3	11.4	274	95.8	0.001
D002507		1.6	11.7	285	91.0	0.008
D002508		1.4	18.3	293	84.6	0.006
D002509		1.8	11.9	460	37.3	0.007
D002510		0.8	25.9	974	65.2	0.003
D002511		1.5	12.6	141	41.5	0.003
D002512		2.0	13.3	256	52.9	0.013
D002513		2.5	18.2	195	52.0	0.002
D002514		0.6	20.6	78	27.7	<0.001
D002515		0.7	15.5	88	36.7	<0.001
D002516		0.6	19.2	120	65.5	0.001
D002517		0.9	10.0	316	78.6	0.006
D002518		1.1	24.1	277	50.9	0.003
D002519		1.2	12.4	47	56.5	<0.001
D002520		0.6	13.3	61	17.3	<0.001
D002521		0.7	14.1	48	24.9	<0.001
D002522		0.8	18.8	46	33.2	<0.001
D002523		0.9	18.0	77	32.0	<0.001
D002524		1.1	21.8	66	37.0	<0.001
D002525		2.7	14.2	61	59.5	0.007
D002526		1.4	19.9	108	81.7	<0.001
D002527		1.4	11.3	70	63.5	<0.001
D002528		6.9	14.3	167	81.9	0.004
D002529		7.1	25.6	965	73.3	0.005
D002530		1.7	18.9	128	47.1	0.003
D002531		1.6	14.9	122	45.3	0.001
D002532		1.3	21.5	169	52.7	0.001
D002533		3.8	16.7	95	47.3	0.003
D002534		1.2	14.5	76	45.7	0.003



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Sample Description	Method	WEI-21	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe
Units		kg	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%
LOD		0.02	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01
D002535		0.51	0.13	6.16	12.6	870	1.29	0.16	2.13	0.25	41.8	11.8	97	4.82	18.0	3.14
D002536		0.69	0.30	6.62	20.4	1160	1.46	0.15	1.92	0.93	49.1	17.5	107	6.54	49.5	3.99
D002537		0.40	0.26	7.84	24.2	2030	1.16	0.22	1.55	1.04	40.4	22.2	100	13.70	62.1	5.38
D002538		0.31	0.16	7.76	18.4	2600	1.15	0.28	0.78	0.74	50.0	27.5	67	15.35	60.6	5.46
D002539		0.50	0.21	7.90	13.0	1730	0.72	0.27	0.44	5.29	34.0	25.3	60	10.20	77.6	4.38
D002540		0.30	0.16	6.83	9.6	1020	1.76	0.29	1.97	0.23	49.8	15.2	131	7.42	29.7	3.62
D002541		0.26	0.05	5.92	12.3	680	1.28	0.24	2.42	0.38	38.5	13.2	127	5.56	15.4	3.81
D002542		0.29	0.07	7.32	27.0	590	1.31	0.21	2.70	0.56	47.3	15.5	156	18.45	16.0	3.81
D002543		0.38	0.21	9.85	23.2	1150	2.13	0.24	0.21	0.59	92.0	10.5	30	76.8	28.2	4.82
D002544		0.42	0.10	7.30	22.2	660	1.17	0.18	3.90	0.60	33.0	25.5	231	11.05	26.4	4.44
D002545		0.22	0.07	5.88	8.5	720	1.07	0.24	2.04	0.11	39.2	11.1	134	10.25	17.8	3.18
D002546		0.38	0.07	7.41	13.9	450	0.92	0.15	4.32	0.27	23.5	25.6	284	10.75	139.5	4.83
D002547		0.44	0.03	6.65	6.3	490	0.95	0.19	3.40	0.14	28.1	19.7	221	5.10	26.6	3.65
D002548		0.46	0.04	7.86	5.0	260	0.78	0.09	5.44	0.20	17.30	39.2	358	3.99	61.2	4.69
D002549		0.23	0.08	5.87	6.8	620	1.04	0.27	1.72	0.10	36.6	12.0	131	8.62	23.2	3.46
D002550		0.35	0.04	7.59	4.3	290	0.78	0.12	4.92	0.13	20.2	29.0	308	4.30	46.5	4.22
D002551		0.31	0.04	7.27	6.1	270	0.98	0.11	5.07	0.16	18.00	38.9	370	3.36	117.0	5.07
D002552		0.23	0.20	6.09	26.2	680	1.53	0.47	1.73	0.35	40.7	10.1	94	4.58	20.1	3.15
D002553		0.37	0.53	6.11	154.0	800	1.49	1.29	1.41	0.76	35.2	12.9	89	7.52	54.0	3.75
D002554		0.27	0.54	6.41	113.0	820	1.40	2.29	1.80	0.95	36.9	12.4	118	8.46	39.7	3.85
D002555		0.44	0.80	6.10	124.5	770	1.46	1.77	1.54	0.65	40.8	10.2	107	7.22	28.3	3.82
D002556		0.32	0.11	6.98	16.1	730	1.28	0.18	2.28	0.21	37.2	22.5	151	17.20	26.7	4.37
D002557		0.38	0.40	9.37	47.8	490	1.99	0.45	0.53	0.06	27.3	16.2	209	98.4	30.6	2.49
D002558		0.31	0.40	8.92	468	1440	2.64	0.46	1.12	0.29	82.2	7.5	73	35.4	136.0	2.32
D002559		0.25	0.43	6.52	191.0	840	1.48	1.78	1.37	0.96	40.5	9.5	102	7.63	28.3	3.61
D002560		0.42	0.30	6.55	93.3	950	1.48	1.78	1.78	1.04	36.8	10.4	100	7.14	21.5	3.55
D002561		0.36	0.19	7.02	44.0	940	1.42	0.22	1.83	0.58	44.1	15.6	138	6.14	31.6	3.90
D002562		0.39	0.11	6.18	9.8	770	1.47	0.26	2.08	0.32	40.9	9.6	102	4.74	14.5	3.02
D002563		0.45	0.24	6.61	15.1	780	1.76	0.22	2.11	0.44	40.2	11.8	113	6.36	20.6	3.71
D002564		0.48	0.21	6.30	14.3	720	1.75	0.19	2.15	0.56	39.6	12.4	108	4.74	18.4	3.43
D002565		0.45	0.06	6.07	9.2	750	2.20	0.17	1.84	0.26	51.5	8.9	84	4.15	13.7	2.68
D002566		0.42	0.10	5.80	13.4	750	1.70	0.14	2.05	0.26	39.7	9.1	81	4.33	14.0	2.46
D002567		0.36	0.10	6.53	14.2	830	1.67	0.19	1.94	0.31	45.2	12.4	118	6.39	21.3	3.36
D002568		0.32	0.40	7.43	25.4	1120	1.85	0.31	1.81	0.47	40.1	12.3	107	17.85	27.1	3.81
D002569		0.43	0.15	6.69	16.8	910	1.40	0.22	2.28	0.25	32.6	13.0	115	7.70	20.7	3.65
D002570		0.43	0.31	7.31	20.7	1090	1.82	0.29	2.01	0.26	40.6	11.6	105	12.50	24.4	3.62
D002571		0.36	0.10	6.49	11.4	860	1.30	0.12	2.44	0.31	36.1	12.9	119	4.06	20.7	3.53
D002572		0.37	0.26	7.03	21.7	1010	1.86	0.33	1.92	0.25	35.2	11.0	107	14.40	21.9	3.76
D002573		0.43	0.16	6.35	13.4	880	1.62	0.21	1.94	0.37	41.3	10.0	105	6.62	20.2	3.31
D002574		0.23	1.15	8.70	71.6	1480	2.51	0.50	1.23	0.75	42.0	23.0	136	25.3	62.1	6.20



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Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Ga ppm	Ge ppm	Hf ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Ni ppm	P ppm	Pb ppm
D002535		13.10	0.12	1.6	0.043	1.41	21.3	30.0	1.29	508	1.33	1.76	9.2	33.8	750	13.1
D002536		13.60	0.13	1.5	0.047	1.43	25.8	37.1	1.45	736	2.34	1.67	6.8	48.8	700	15.2
D002537		16.20	0.12	1.5	0.079	1.33	17.4	84.4	1.27	991	3.66	1.46	5.7	51.4	1270	19.7
D002538		18.40	0.11	1.4	0.092	1.48	11.3	38.2	1.21	946	1.76	1.43	7.8	35.5	1420	17.8
D002539		16.50	0.11	2.3	0.095	1.65	15.9	35.8	0.90	11200	25.9	1.92	2.8	58.6	420	27.4
D002540		15.35	0.11	1.7	0.046	1.44	26.4	33.8	1.66	553	1.08	1.69	11.9	54.3	590	17.7
D002541		16.30	0.11	1.5	0.044	1.28	18.8	28.4	1.39	462	1.66	1.38	9.4	34.1	450	16.2
D002542		18.70	0.12	1.9	0.049	1.57	26.3	143.0	1.75	631	2.05	1.19	14.6	50.5	570	18.4
D002543		23.5	0.16	6.1	0.064	3.04	47.9	375	0.46	375	5.26	0.08	29.9	33.8	1100	23.5
D002544		14.85	0.12	1.5	0.055	1.12	16.5	38.6	2.82	717	1.18	1.50	8.8	83.6	630	12.3
D002545		15.85	0.11	2.0	0.043	1.25	19.6	20.2	1.20	443	1.07	1.44	13.1	33.1	490	13.8
D002546		15.00	0.09	1.0	0.054	0.91	11.7	34.8	3.00	648	0.68	1.52	7.0	88.5	350	9.3
D002547		14.55	0.10	1.4	0.045	0.98	14.0	19.5	2.22	580	0.79	1.50	9.8	66.9	620	10.4
D002548		13.90	0.10	0.8	0.048	0.52	8.1	22.8	4.55	821	0.35	1.55	4.4	154.5	330	5.4
D002549		14.95	0.10	1.7	0.040	1.18	18.3	24.5	1.21	481	1.12	1.25	11.8	37.8	1340	12.0
D002550		13.10	0.09	0.8	0.043	0.62	9.4	23.0	3.64	685	0.34	1.55	4.9	112.5	400	5.7
D002551		13.90	0.09	0.8	0.049	0.56	8.1	24.2	4.40	875	0.44	1.51	4.7	144.0	400	6.2
D002552		13.45	0.10	1.7	0.054	1.28	21.1	28.7	1.15	365	1.49	1.50	9.0	30.4	470	25.9
D002553		13.10	0.11	1.5	0.159	1.43	17.7	27.4	1.15	459	2.18	1.46	7.7	32.3	460	86.1
D002554		13.05	0.12	1.7	0.099	1.40	18.2	31.4	1.44	462	1.80	1.43	7.9	46.4	880	71.4
D002555		12.45	0.10	1.7	0.090	1.37	21.5	32.1	1.16	376	2.11	1.30	8.2	40.8	860	66.7
D002556		15.50	0.11	1.6	0.047	1.34	18.6	44.7	1.90	802	1.00	1.60	8.2	49.1	1290	10.4
D002557		20.4	0.08	1.8	0.026	3.34	13.5	198.0	0.71	499	0.49	0.21	15.4	51.3	160	25.3
D002558		19.40	0.18	3.6	0.046	3.48	42.0	54.5	0.89	542	2.94	0.80	23.8	33.1	380	30.4
D002559		13.55	0.14	1.8	0.081	1.40	21.5	30.1	0.99	443	2.95	1.36	7.7	37.2	920	44.4
D002560		14.55	0.14	1.7	0.068	1.37	20.6	30.2	1.10	528	2.61	1.57	9.1	29.5	620	20.7
D002561		15.05	0.15	1.8	0.059	1.49	23.2	36.5	1.70	600	1.72	1.56	9.9	53.8	440	18.7
D002562		12.80	0.15	1.7	0.044	1.42	20.7	27.9	1.25	416	1.23	1.66	8.6	33.9	610	12.7
D002563		14.15	0.14	1.5	0.051	1.49	20.6	36.1	1.39	501	1.38	1.62	8.6	42.3	570	13.7
D002564		13.00	0.14	1.4	0.043	1.43	19.2	29.9	1.41	436	1.09	1.65	8.2	41.2	710	12.9
D002565		12.55	0.14	1.7	0.038	1.61	25.9	30.9	1.10	446	0.98	1.85	9.2	30.0	800	14.3
D002566		12.15	0.15	1.4	0.035	1.51	20.1	27.3	1.02	499	1.19	1.76	8.3	27.4	640	12.2
D002567		14.65	0.14	1.7	0.044	1.58	22.6	33.6	1.41	505	1.42	1.70	10.2	41.5	620	14.0
D002568		17.65	0.15	2.3	0.056	1.86	22.0	53.3	1.25	860	5.95	1.56	8.4	40.8	1640	18.0
D002569		14.40	0.12	1.4	0.049	1.46	17.3	37.1	1.59	649	1.75	1.68	8.1	40.1	1120	12.1
D002570		15.75	0.15	1.8	0.051	1.73	21.9	44.0	1.43	619	2.64	1.75	10.0	38.8	1120	15.6
D002571		12.85	0.14	1.3	0.047	1.39	18.0	24.9	1.67	571	1.23	1.96	7.9	39.4	850	10.1
D002572		15.55	0.16	1.8	0.055	1.51	21.4	41.5	1.40	540	1.84	1.52	7.8	37.8	800	15.4
D002573		15.45	0.15	1.7	0.049	1.42	22.6	34.6	1.19	384	1.43	1.62	9.1	33.1	990	13.0
D002574		21.3	0.14	2.4	0.079	1.73	23.6	80.1	1.53	1420	4.64	1.08	8.6	62.5	1670	23.5



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		Rb ppm	Re ppm	S %	Sb ppm	Sc ppm	Se ppm	Sn ppm	Sr ppm	Ta ppm	Te ppm	Th ppm	Ti %	Tl ppm	U ppm	V ppm
		0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1	1
D002535		64.8	<0.002	0.01	1.57	16.0	<1	1.3	178.0	0.67	<0.05	6.37	0.351	0.57	2.4	137
D002536		59.5	<0.002	0.01	2.36	17.8	1	1.2	159.0	0.46	0.05	9.58	0.348	0.67	2.3	179
D002537		62.6	<0.002	0.04	2.58	21.9	2	1.2	152.0	0.43	0.10	5.51	0.326	0.82	2.4	204
D002538		68.3	<0.002	0.03	1.23	23.6	1	1.7	102.5	0.49	0.16	5.39	0.461	0.79	2.1	245
D002539		58.6	<0.002	0.01	6.78	27.3	1	0.9	106.5	0.18	0.15	3.70	0.247	0.90	3.2	172
D002540		65.2	<0.002	0.02	1.13	16.8	1	1.9	207	0.91	<0.05	8.77	0.399	0.63	7.2	135
D002541		60.6	<0.002	0.02	1.31	16.4	1	1.5	176.5	0.73	<0.05	6.20	0.414	0.51	2.0	150
D002542		88.3	<0.002	0.01	3.23	18.2	1	1.6	142.0	1.00	<0.05	10.45	0.423	0.86	2.5	149
D002543		181.5	<0.002	0.01	2.90	16.2	2	1.8	51.6	1.60	<0.05	13.30	0.730	2.60	6.6	244
D002544		54.1	<0.002	0.02	1.97	26.3	1	1.2	140.0	0.62	<0.05	5.00	0.469	0.54	1.6	176
D002545		52.9	<0.002	0.02	1.51	14.6	<1	1.7	180.5	0.90	<0.05	5.57	0.440	0.49	2.2	122
D002546		44.8	<0.002	0.02	1.83	25.5	<1	1.1	150.5	0.50	<0.05	3.94	0.460	0.40	1.3	160
D002547		43.1	<0.002	0.02	1.14	19.5	1	1.3	165.0	0.72	<0.05	4.08	0.442	0.43	1.6	139
D002548		19.5	<0.002	0.01	0.92	29.8	1	0.8	138.0	0.35	<0.05	3.28	0.432	0.23	0.9	155
D002549		54.1	<0.002	0.06	1.25	13.0	1	1.5	156.5	0.81	<0.05	6.08	0.430	0.41	2.0	112
D002550		26.1	<0.002	0.01	1.06	25.2	1	0.9	142.5	0.40	<0.05	2.82	0.434	0.24	0.9	147
D002551		20.0	<0.002	0.01	1.03	29.3	<1	0.9	135.5	0.35	<0.05	2.44	0.486	0.28	0.8	173
D002552		61.0	<0.002	0.02	1.88	13.6	1	1.7	177.5	0.68	<0.05	7.46	0.321	0.54	2.3	116
D002553		73.4	<0.002	0.06	8.06	15.7	1	1.9	144.0	0.60	0.29	5.72	0.309	0.72	2.6	135
D002554		66.1	<0.002	0.04	4.58	15.2	1	1.7	144.5	0.62	0.33	6.10	0.329	0.68	2.3	142
D002555		67.2	<0.002	0.04	5.14	13.4	2	1.6	130.5	0.69	0.13	5.96	0.306	0.67	2.9	141
D002556		54.1	<0.002	0.04	2.08	16.8	1	1.2	275	0.56	<0.05	4.76	0.458	0.48	1.9	134
D002557		228	<0.002	0.01	17.05	12.0	1	1.3	48.2	1.18	<0.05	12.90	0.299	2.57	5.0	86
D002558		140.5	<0.002	0.02	9.71	9.2	1	1.7	69.3	1.75	0.06	19.00	0.201	1.32	5.2	43
D002559		66.0	<0.002	0.04	7.26	13.4	1	1.8	138.0	0.64	0.09	7.19	0.317	0.66	2.4	161
D002560		64.3	<0.002	0.03	2.68	15.0	1	1.9	174.5	0.84	0.10	5.72	0.371	0.60	2.1	159
D002561		63.8	<0.002	0.01	3.12	16.6	1	1.7	179.0	0.73	0.07	7.03	0.400	0.60	2.0	163
D002562		65.4	<0.002	0.01	1.17	14.2	<1	1.4	164.0	0.77	0.06	6.87	0.348	0.57	2.6	135
D002563		70.1	<0.002	0.01	1.21	14.9	<1	1.6	178.0	0.70	<0.05	7.25	0.347	0.55	2.2	136
D002564		61.3	<0.002	0.01	1.19	15.3	1	1.4	168.0	0.69	<0.05	7.18	0.355	0.49	2.0	131
D002565		68.1	<0.002	0.01	1.12	12.2	1	1.7	188.0	0.81	<0.05	8.98	0.322	0.56	2.1	109
D002566		67.8	<0.002	0.01	1.24	12.5	<1	1.3	196.5	0.65	0.05	6.17	0.300	0.51	2.5	102
D002567		78.7	<0.002	0.01	1.38	16.2	1	1.8	171.0	0.83	<0.05	8.06	0.369	0.65	2.1	144
D002568		110.0	<0.002	0.04	2.05	16.2	2	1.7	238	0.69	0.07	9.14	0.309	0.76	3.7	169
D002569		68.4	<0.002	0.02	1.09	19.3	1	1.3	191.0	0.63	0.05	6.21	0.365	0.55	2.4	150
D002570		86.9	<0.002	0.03	1.25	18.0	2	1.5	177.0	0.81	<0.05	8.63	0.351	0.71	5.4	149
D002571		52.6	<0.002	0.01	1.21	18.2	1	1.1	187.5	0.59	<0.05	4.96	0.408	0.48	1.8	152
D002572		82.7	<0.002	0.02	1.04	17.0	1	1.6	173.5	0.62	0.05	7.10	0.329	0.64	3.8	152
D002573		65.2	<0.002	0.02	1.30	16.7	1	1.6	174.0	0.75	<0.05	6.14	0.394	0.56	2.8	150
D002574		96.0	<0.002	0.05	1.76	24.2	3	2.1	149.0	0.72	0.10	11.15	0.278	0.91	6.7	198



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Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Au-ICP21
		W ppm 0.1	Y ppm 0.1	Zn ppm 2	Zr ppm 0.5	Au ppm 0.001
D002535		1.0	15.7	100	49.4	0.003
D002536		1.0	18.2	143	46.3	0.001
D002537		1.1	15.6	190	46.0	<0.001
D002538		1.2	20.6	358	47.0	<0.001
D002539		1.7	31.6	126	73.8	<0.001
D002540		1.4	23.3	82	51.9	0.001
D002541		1.3	14.4	63	45.4	0.001
D002542		2.1	14.8	91	58.9	<0.001
D002543		2.2	26.1	290	230	<0.001
D002544		1.2	19.3	83	42.4	0.001
D002545		1.4	13.6	42	65.0	<0.001
D002546		1.1	17.0	52	29.3	<0.001
D002547		1.2	14.7	42	39.8	<0.001
D002548		0.7	17.6	48	20.2	<0.001
D002549		1.4	13.0	43	58.5	<0.001
D002550		0.8	16.4	45	21.4	<0.001
D002551		0.9	17.8	52	21.8	<0.001
D002552		1.3	12.5	74	51.4	0.014
D002553		2.2	13.0	137	47.8	0.005
D002554		1.7	13.1	130	50.8	0.003
D002555		1.3	14.0	122	61.9	0.003
D002556		1.0	15.7	76	50.1	0.001
D002557		4.3	6.5	42	47.7	<0.001
D002558		2.8	21.6	83	116.5	0.029
D002559		1.3	14.5	142	64.1	0.002
D002560		1.3	13.7	119	59.1	0.001
D002561		1.3	13.3	126	63.7	0.001
D002562		1.0	13.4	77	54.1	<0.001
D002563		1.0	14.2	96	51.6	<0.001
D002564		1.0	14.7	79	46.2	<0.001
D002565		0.9	14.1	65	57.2	<0.001
D002566		0.9	14.1	56	47.0	<0.001
D002567		1.3	14.3	87	55.5	0.001
D002568		1.1	15.1	174	75.9	0.003
D002569		1.0	14.6	99	48.7	0.001
D002570		1.3	17.9	120	57.3	0.003
D002571		1.0	15.8	84	42.4	<0.001
D002572		1.0	19.7	111	59.6	0.001
D002573		1.2	18.1	75	55.4	0.001
D002574		1.4	25.9	200	76.1	0.005



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Sample Description	Method	WEI-21	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe
Units		kg	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%
LOD		0.02	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01
D002575		0.20	0.81	7.37	19.8	990	1.53	0.19	2.00	0.25	36.9	8.5	58	7.95	25.5	2.97
D002576		0.48	0.06	6.60	23.6	900	1.13	0.23	2.24	0.36	30.5	17.8	139	8.36	26.4	4.36
D002577		0.33	0.27	6.62	32.2	940	1.47	0.18	2.71	0.68	34.6	14.1	134	6.34	39.1	4.30
D002578		0.36	0.27	7.32	13.9	1020	1.38	0.19	3.23	0.35	33.4	18.1	154	6.98	26.0	4.10
D002579		0.30	0.03	6.99	8.8	730	1.20	0.13	4.12	0.27	33.1	19.4	162	2.74	18.2	4.15
D002580		0.30	0.05	7.04	7.5	650	1.20	0.12	4.54	0.20	32.6	18.0	188	2.89	15.2	3.92
D002581		0.37	0.13	7.27	9.2	780	1.41	0.16	3.92	0.42	33.1	24.4	197	10.35	20.1	4.26
D002582		0.29	0.13	7.06	22.2	810	2.18	0.19	3.65	0.47	31.3	19.2	202	24.4	26.6	4.51
D002583		0.34	0.05	6.99	11.2	660	1.23	0.15	3.71	0.25	29.0	19.8	180	5.07	19.1	4.42
D002584		0.44	0.04	6.77	9.4	490	1.22	0.14	4.70	0.25	25.8	22.9	228	3.49	19.8	4.59
D002585		0.29	0.38	7.20	37.0	1410	2.12	0.77	0.56	1.17	80.6	8.5	75	20.4	27.6	3.17
D002586		0.42	0.14	7.12	53.7	1060	1.54	1.04	0.90	0.61	54.2	9.9	100	14.25	32.9	4.13
D002587		0.34	0.34	9.17	17.9	1220	3.39	0.70	0.28	0.72	69.2	25.0	104	16.20	63.9	5.50
D002588		0.49	0.42	7.70	98.9	1420	2.43	0.98	0.27	1.39	79.5	15.2	99	12.80	44.0	4.28
D002589		0.52	0.85	8.35	69.4	2370	2.40	0.44	0.30	4.25	77.2	29.0	96	19.40	68.2	4.83
D002590		0.36	0.12	7.63	186.0	1660	1.97	0.85	0.57	1.25	70.3	11.1	88	17.70	24.0	4.30
D002591		0.32	0.99	9.99	85.9	1650	2.32	0.60	0.18	0.53	87.4	6.2	167	18.00	48.6	6.86
D002592		0.32	0.50	8.17	233	1470	1.88	0.47	0.42	1.10	63.9	13.4	89	20.9	31.6	4.34
D002593		0.41	1.29	9.33	69.1	750	0.98	0.26	0.47	1.57	29.3	28.3	82	6.37	113.0	6.34
D002594		0.28	0.18	8.13	76.1	890	1.47	0.44	0.66	0.47	53.1	12.8	163	11.00	44.4	6.11
D002595		0.30	0.45	9.01	41.4	970	1.85	0.34	0.34	0.56	69.6	19.9	201	9.00	72.7	6.12
D002596		0.45	1.49	7.98	111.5	1330	1.72	0.30	0.97	4.01	70.0	18.7	103	21.7	109.0	4.73
D002597		0.38	1.03	8.34	66.1	1000	1.55	0.20	0.57	1.66	55.1	25.4	150	6.80	151.0	5.34
D002598		0.32	1.50	7.77	174.5	1360	1.34	0.59	1.29	1.64	42.0	20.5	135	14.20	56.0	6.07
D002599		0.29	1.79	7.42	173.5	1870	1.23	0.55	1.45	2.21	41.2	16.7	106	23.2	44.9	5.16
D002600		0.33	0.13	6.84	19.2	1000	1.18	0.18	2.04	0.44	37.5	12.7	141	11.50	19.0	3.50
D002601		0.39	0.14	6.78	18.7	970	1.28	0.16	2.02	0.44	44.7	13.9	151	10.50	26.8	3.56
D002602		0.47	0.10	7.05	13.4	850	1.22	0.13	2.63	0.44	41.2	15.8	141	9.98	27.6	3.86
D002603		0.26	0.27	6.42	17.7	810	1.08	0.22	2.19	0.82	42.1	14.3	140	5.79	24.8	5.40
D002604		0.34	0.94	7.71	250	3320	1.09	1.08	0.69	1.25	32.6	24.2	72	17.95	73.1	8.20
D002605		0.24	8.17	6.58	278	1560	1.16	1.05	1.39	1.72	34.6	14.3	120	13.70	38.5	6.17
D002606		0.24	10.85	8.31	561	2730	1.39	2.71	0.78	31.6	39.8	29.7	72	35.7	137.5	9.54
D002607		0.32	3.06	7.72	257	1360	1.51	2.19	0.96	2.87	50.9	10.4	118	13.75	26.4	5.12
D002608		0.45	0.26	7.75	38.5	4870	1.02	0.25	0.69	1.83	37.9	25.2	52	11.20	107.5	7.17
D002609		0.48	0.62	7.71	25.1	3370	0.97	0.23	1.01	1.13	36.6	30.6	74	7.96	109.0	7.38
D002610		0.30	1.40	9.16	55.2	8100	1.20	0.32	0.40	8.19	31.8	37.7	50	24.7	127.0	10.75
D002611		0.51	0.09	6.92	6.3	340	0.71	0.11	3.47	0.19	22.3	51.8	578	3.85	88.4	5.65
D002612		0.43	0.04	7.55	5.2	300	0.82	0.11	4.75	0.16	18.60	34.1	386	3.38	49.5	4.62
D002613		0.59	0.03	7.24	5.4	420	1.35	0.14	4.86	0.15	28.9	28.8	276	2.52	44.2	4.60
D002614		0.46	0.02	7.79	6.0	350	1.17	0.13	5.05	0.17	21.9	35.9	331	3.33	62.0	4.74



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Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Ga ppm	Ge ppm	Hf ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Ni ppm	P ppm	Pb ppm
D002575		17.85	0.13	2.4	0.038	1.90	19.9	37.6	1.00	457	1.99	2.24	6.7	24.6	980	11.2
D002576		16.50	0.13	1.6	0.047	1.44	14.6	34.0	1.74	733	2.23	1.59	8.0	49.0	850	12.9
D002577		13.65	0.14	1.3	0.054	1.29	19.4	31.4	1.73	619	3.07	1.84	7.5	43.9	1200	11.1
D002578		15.90	0.14	1.4	0.054	1.36	16.7	35.4	2.13	722	2.04	1.85	7.6	54.3	1010	11.2
D002579		13.65	0.14	1.1	0.052	1.16	16.4	19.4	2.26	738	0.90	2.10	9.3	53.0	760	9.1
D002580		13.80	0.15	1.1	0.048	1.09	16.3	21.8	2.53	673	0.78	2.02	7.6	60.1	590	8.2
D002581		15.00	0.15	1.4	0.054	1.30	17.2	28.0	2.53	659	0.83	1.79	8.4	62.2	820	10.4
D002582		14.60	0.16	1.3	0.054	1.12	17.3	36.4	2.43	770	1.20	1.52	7.3	66.2	1120	9.8
D002583		15.35	0.13	1.3	0.059	1.04	14.0	26.6	2.36	706	1.04	1.85	7.5	57.4	520	9.4
D002584		14.60	0.13	1.0	0.061	0.82	11.9	24.2	2.89	719	0.76	1.74	6.9	75.5	460	8.0
D002585		16.75	0.18	3.0	0.099	2.36	45.1	46.8	0.82	779	6.30	1.80	11.9	34.1	630	46.0
D002586		17.80	0.18	2.3	0.080	1.85	29.6	32.3	1.02	418	7.75	2.00	10.4	38.3	490	47.1
D002587		26.7	0.18	2.8	0.109	3.40	30.7	52.1	2.15	680	2.41	0.47	8.8	85.0	870	37.8
D002588		18.40	0.16	3.0	0.111	2.41	41.3	43.0	1.11	662	8.11	1.43	10.0	66.2	810	74.6
D002589		19.35	0.20	3.9	0.069	3.25	42.0	40.7	0.91	1400	10.80	0.96	7.4	135.5	520	56.6
D002590		17.60	0.18	3.3	0.094	2.42	34.8	82.5	0.89	717	8.05	1.69	10.0	43.5	1020	87.0
D002591		24.6	0.19	4.2	0.100	3.05	43.8	51.6	1.17	264	6.07	1.16	8.8	48.4	1360	93.3
D002592		17.55	0.16	2.7	0.081	2.36	35.4	79.1	0.81	829	5.87	1.49	9.4	42.4	1050	128.5
D002593		19.35	0.15	0.9	0.085	2.60	12.5	37.2	1.69	1385	1.41	1.35	3.3	47.9	520	252
D002594		19.00	0.12	2.2	0.072	1.99	26.3	34.0	1.59	564	2.92	1.28	7.9	50.6	1770	55.0
D002595		19.80	0.16	2.8	0.095	2.36	34.3	43.7	1.41	434	3.00	0.94	6.4	82.6	1160	64.3
D002596		16.65	0.16	2.6	0.079	2.15	35.2	86.8	1.01	1070	4.82	1.64	7.1	84.3	820	97.4
D002597		18.45	0.15	2.2	0.071	2.04	26.1	43.1	1.97	972	1.81	1.41	5.6	72.1	950	95.6
D002598		16.00	0.12	1.9	0.068	1.68	19.8	83.6	1.39	1210	4.43	1.45	6.5	55.9	1180	275
D002599		14.40	0.12	1.8	0.074	1.65	19.4	133.0	1.08	1205	3.89	1.43	5.7	45.8	1040	338
D002600		14.50	0.12	1.7	0.047	1.49	18.6	56.1	1.40	576	1.96	1.56	8.2	40.9	860	19.3
D002601		14.10	0.15	1.7	0.043	1.56	21.2	48.6	1.46	565	1.89	1.58	8.8	49.0	880	15.5
D002602		12.60	0.15	1.6	0.047	1.50	20.0	112.0	1.58	684	1.37	1.56	5.8	47.7	590	11.6
D002603		14.45	0.15	1.6	0.060	1.18	20.0	29.1	1.52	531	2.85	1.39	7.1	43.0	780	16.6
D002604		14.75	0.14	1.7	0.071	1.62	16.3	78.7	0.77	1770	6.62	1.12	3.6	45.1	980	114.5
D002605		14.60	0.13	1.8	0.087	1.63	17.4	31.7	0.93	1545	5.64	1.32	7.6	37.6	1070	1435
D002606		16.35	0.15	2.6	0.183	2.62	22.3	184.5	0.56	5030	19.35	0.44	3.2	98.9	1260	2180
D002607		17.75	0.14	2.4	0.110	2.01	26.5	51.5	1.05	714	4.91	1.39	9.1	32.2	820	549
D002608		15.20	0.14	1.6	0.079	1.42	18.1	45.7	1.03	943	5.53	1.70	3.5	38.3	890	19.8
D002609		14.10	0.14	1.5	0.068	1.24	17.0	51.9	1.12	1475	6.43	1.80	3.8	43.8	1120	18.7
D002610		19.05	0.15	2.9	0.107	1.56	18.3	113.5	0.48	1915	14.15	0.76	1.4	61.5	830	136.5
D002611		11.85	0.11	0.8	0.042	0.57	10.5	32.8	5.83	962	0.62	1.05	4.8	267	200	6.3
D002612		12.90	0.14	0.8	0.043	0.63	8.0	24.0	4.29	763	0.45	1.59	5.3	146.0	220	6.0
D002613		12.90	0.13	1.0	0.045	0.81	13.7	20.1	3.77	823	0.45	1.82	6.4	105.5	480	7.7
D002614		13.70	0.14	0.9	0.047	0.74	9.8	24.3	4.41	888	0.49	1.66	5.4	129.5	380	7.4



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CERTIFICATE OF ANALYSIS WH23224950

Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Rb ppm	Re ppm	S %	Sb ppm	Sc ppm	Se ppm	Sn ppm	Sr ppm	Ta ppm	Te ppm	Th ppm	Ti %	Tl ppm	U ppm	V ppm
		0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1	1
D002575		62.9	<0.002	0.02	0.98	11.3	1	1.1	390	0.51	0.05	6.17	0.288	0.46	2.4	99
D002576		66.2	<0.002	0.03	1.32	18.0	1	1.4	185.5	0.64	0.05	5.09	0.416	0.53	1.9	182
D002577		55.3	<0.002	0.03	1.36	20.5	1	1.2	207	0.59	<0.05	5.63	0.398	0.49	8.4	150
D002578		59.9	0.002	0.04	1.01	22.7	1	1.4	236	0.59	0.05	5.62	0.434	0.51	2.4	172
D002579		43.0	<0.002	0.01	1.15	23.4	1	1.2	218	0.88	<0.05	4.55	0.502	0.37	1.5	172
D002580		42.7	<0.002	0.01	0.98	25.8	<1	1.2	215	0.61	<0.05	4.26	0.522	0.35	1.7	170
D002581		62.8	<0.002	0.02	0.97	26.1	1	1.3	191.0	0.67	<0.05	6.21	0.491	0.47	2.7	170
D002582		58.3	<0.002	0.04	1.07	25.2	1	1.3	184.0	0.61	<0.05	6.04	0.438	0.41	3.0	164
D002583		41.8	<0.002	0.01	1.04	25.0	1	1.3	199.5	0.62	<0.05	4.19	0.510	0.35	1.7	175
D002584		24.9	<0.002	0.02	0.98	27.7	1	1.2	176.0	0.64	<0.05	3.53	0.518	0.31	1.4	181
D002585		95.8	<0.002	0.05	5.96	11.8	1	2.1	91.8	0.76	0.15	11.55	0.261	0.76	4.0	110
D002586		91.8	<0.002	0.06	5.79	14.0	2	2.2	154.0	0.76	0.23	8.24	0.317	0.75	2.4	177
D002587		129.5	<0.002	0.03	3.42	21.8	4	3.6	61.8	0.56	0.09	13.25	0.313	1.18	2.8	156
D002588		108.5	<0.002	0.07	10.45	14.8	2	2.3	88.9	0.71	0.18	13.00	0.263	1.02	4.9	184
D002589		126.0	0.002	0.02	5.92	13.4	2	2.2	62.5	0.43	0.15	12.95	0.203	1.30	6.9	341
D002590		108.5	<0.002	0.05	9.06	13.2	3	2.1	108.5	0.66	0.10	11.05	0.266	1.04	3.9	213
D002591		131.5	<0.002	0.19	7.91	22.9	4	3.0	114.5	0.56	0.18	12.75	0.354	1.40	3.5	283
D002592		98.5	<0.002	0.05	9.74	11.8	2	1.9	89.7	0.63	0.12	9.93	0.266	0.95	3.2	165
D002593		62.4	<0.002	0.02	3.55	35.6	2	1.2	71.4	0.23	0.20	3.41	0.245	0.56	1.1	193
D002594		88.1	<0.002	0.04	3.33	22.8	1	1.7	92.9	0.53	0.16	6.89	0.370	0.62	2.2	246
D002595		105.0	<0.002	0.03	3.79	23.5	1	1.8	69.2	0.39	0.15	8.71	0.313	0.82	2.6	263
D002596		84.7	0.002	0.06	5.18	20.4	1	1.7	170.0	0.48	0.10	9.57	0.267	0.87	4.9	227
D002597		72.7	<0.002	0.02	6.85	28.5	1	1.7	84.3	0.36	0.13	7.05	0.313	0.68	2.0	234
D002598		69.1	<0.002	0.04	16.15	21.4	3	1.7	138.5	0.44	0.13	5.92	0.346	0.77	2.2	211
D002599		65.2	<0.002	0.03	26.5	19.1	2	1.3	159.5	0.42	0.09	5.70	0.317	0.81	2.5	181
D002600		64.2	<0.002	0.02	3.30	15.5	<1	1.3	190.5	0.60	0.05	5.01	0.361	0.53	1.7	153
D002601		61.4	<0.002	0.02	3.58	14.9	1	1.3	195.5	0.68	0.06	6.72	0.368	0.54	2.7	155
D002602		54.4	<0.002	0.01	5.13	18.4	1	1.1	160.0	0.46	0.05	5.54	0.349	0.51	1.7	156
D002603		48.7	<0.002	0.04	1.82	17.1	2	1.3	160.5	0.50	0.09	6.31	0.400	0.46	1.9	162
D002604		69.9	<0.002	0.03	23.9	22.7	5	1.5	81.3	0.25	0.20	4.43	0.294	1.83	2.6	239
D002605		76.2	<0.002	0.06	36.5	16.2	4	1.8	154.0	0.56	0.12	5.01	0.364	1.14	2.2	185
D002606		124.0	0.003	0.15	106.5	26.4	9	2.8	71.5	0.21	0.29	5.60	0.252	3.28	7.3	290
D002607		98.8	<0.002	0.04	20.8	19.2	2	3.0	131.5	0.65	0.16	6.66	0.383	1.09	3.0	261
D002608		49.1	<0.002	0.02	2.49	25.1	3	1.0	109.5	0.24	0.19	4.63	0.329	0.70	2.4	207
D002609		45.5	0.002	0.02	2.31	24.0	4	1.0	111.5	0.26	0.15	4.75	0.340	0.60	2.0	201
D002610		53.2	<0.002	0.09	5.51	34.6	5	1.2	51.5	0.09	0.27	3.94	0.168	1.07	3.4	375
D002611		23.9	<0.002	0.01	1.91	25.6	1	0.9	124.5	0.36	<0.05	3.19	0.360	0.23	0.8	137
D002612		21.8	<0.002	0.01	1.00	27.7	<1	0.9	138.5	0.45	<0.05	2.50	0.436	0.25	0.8	149
D002613		27.7	<0.002	<0.01	0.97	29.0	<1	1.1	163.5	0.55	<0.05	4.49	0.513	0.28	1.4	172
D002614		32.0	<0.002	0.01	1.04	31.7	1	1.1	151.5	0.45	<0.05	3.59	0.465	0.29	0.9	164



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Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Au-ICP21
		W	Y	Zn	Zr	Au
		ppm	ppm	ppm	ppm	ppm
		0.1	0.1	2	0.5	0.001
D002575		0.8	13.2	93	83.3	0.002
D002576		1.7	13.9	102	49.7	<0.001
D002577		1.0	22.4	114	39.7	0.001
D002578		1.1	18.3	113	46.7	0.001
D002579		1.3	20.1	65	31.9	<0.001
D002580		0.9	21.1	59	33.7	<0.001
D002581		1.0	22.8	101	41.4	<0.001
D002582		0.9	23.9	120	39.7	<0.001
D002583		1.1	18.4	83	38.3	<0.001
D002584		0.9	21.8	73	29.9	0.004
D002585		3.2	17.8	175	98.9	<0.001
D002586		2.8	11.8	146	78.5	<0.001
D002587		1.8	13.2	231	106.0	<0.001
D002588		3.4	14.6	302	109.0	0.001
D002589		1.7	21.4	772	143.0	0.009
D002590		2.1	11.0	308	111.5	<0.001
D002591		2.7	8.3	145	157.0	0.009
D002592		2.2	18.0	266	94.7	0.003
D002593		1.5	13.7	352	35.1	0.093
D002594		1.4	10.3	180	82.9	0.001
D002595		1.1	8.3	204	110.5	0.002
D002596		1.6	21.4	444	96.5	0.007
D002597		1.0	17.6	249	80.8	0.011
D002598		1.4	13.4	342	68.2	0.010
D002599		1.2	13.6	477	59.7	0.009
D002600		1.4	11.6	94	56.2	0.003
D002601		1.6	13.5	102	58.3	0.001
D002602		1.1	16.2	89	50.6	<0.001
D002603		1.0	14.5	121	55.0	<0.001
D002604		1.2	13.6	380	63.0	0.006
D002605		1.2	11.8	575	59.1	0.006
D002606		1.5	28.4	2050	90.1	0.011
D002607		1.4	11.1	460	82.3	0.004
D002608		0.8	16.3	229	56.8	0.002
D002609		0.8	20.2	209	53.1	0.002
D002610		1.3	30.5	589	110.0	0.007
D002611		1.0	12.1	54	23.4	<0.001
D002612		0.8	14.6	47	19.6	<0.001
D002613		1.1	20.2	55	27.0	<0.001
D002614		1.0	17.5	54	23.6	<0.001



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Sample Description	Method	WEI-21	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe
Units		kg	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%
LOD		0.02	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01
D002615		0.45	0.04	7.31	5.2	320	0.81	0.12	4.85	0.20	17.95	34.3	373	3.27	56.1	4.92
D002616		0.29	0.16	6.57	5.4	310	0.74	0.13	4.26	0.17	19.60	26.0	319	3.18	39.7	4.46
D002617		0.44	0.03	7.55	6.7	270	0.73	0.13	5.50	0.17	18.80	43.3	408	3.24	105.0	5.68
D002618		0.49	0.02	7.61	5.9	280	0.73	0.10	5.51	0.17	16.35	39.8	424	4.95	71.9	5.29
D002619		0.56	0.12	7.40	7.6	460	1.18	0.19	4.27	0.20	25.1	29.4	331	5.57	73.5	4.90
D002620		0.45	0.02	7.72	7.8	270	0.67	0.15	5.46	0.16	15.70	39.7	475	3.32	53.0	5.23
D002621		0.30	0.04	7.50	8.0	340	0.79	0.14	4.82	0.19	15.40	38.3	443	3.68	88.0	5.29
D002622		0.33	0.04	7.06	10.0	460	1.19	0.19	3.77	0.23	22.5	27.0	280	3.35	50.0	4.59
D002623		0.33	0.20	7.58	21.6	680	1.37	0.37	2.10	0.13	30.7	27.3	271	16.05	145.0	5.22
D002624		0.40	0.05	7.17	12.2	610	1.24	0.46	3.51	0.14	34.4	28.0	236	5.80	81.6	5.17
D002625		0.36	0.21	7.30	11.5	640	1.23	0.22	2.97	0.15	33.3	26.8	220	8.05	64.9	4.98
D002626		0.33	0.11	7.20	6.2	670	1.10	0.21	2.65	0.15	34.5	22.2	180	4.84	48.0	4.44
D002627		0.50	0.14	7.56	8.5	570	1.03	0.15	3.42	0.23	28.6	30.2	247	4.50	106.5	4.84
D002628		0.42	0.05	7.57	5.6	430	0.61	0.10	3.95	0.18	15.40	35.4	431	3.00	56.9	5.45
D002629		0.41	0.11	6.82	5.0	580	1.22	0.22	3.98	0.30	32.4	31.2	197	3.50	46.5	5.68
D002630		0.37	0.18	5.68	11.2	800	1.30	0.15	3.18	0.59	38.4	19.2	137	3.87	27.6	3.98
D002631		0.28	0.13	6.43	26.7	1190	1.43	0.20	2.40	0.32	65.1	17.2	156	7.45	30.5	3.75
D002632		0.47	0.12	5.79	5.6	1280	1.02	0.16	2.72	0.46	31.6	14.0	118	6.47	25.7	3.70
D002633		0.39	0.17	6.69	7.9	820	1.11	0.18	3.06	0.57	39.4	20.3	227	6.10	32.1	3.71
D002634		0.44	0.14	6.38	6.7	630	1.09	0.24	3.41	0.49	31.4	22.6	198	5.00	31.5	4.89
D002635		0.31	0.31	4.35	10.5	480	0.69	0.08	4.38	0.55	21.9	14.0	147	7.37	21.1	3.06
D002636		0.49	0.08	6.84	9.4	610	1.13	0.21	3.63	0.44	34.6	31.5	260	4.27	47.3	4.85
D002637		0.36	0.10	6.44	7.9	580	1.09	0.38	3.09	0.55	26.5	21.4	246	4.38	25.7	4.14
D002638		0.46	0.05	6.76	10.1	640	1.27	0.39	3.66	0.44	28.6	30.6	196	4.38	49.6	5.31
D002639		0.28	1.28	8.83	61.4	1350	1.95	0.62	1.55	0.48	51.3	43.3	173	22.3	112.0	6.57
D002640		0.28	1.50	7.21	29.5	960	1.24	0.34	2.63	0.77	40.8	27.7	154	8.78	55.1	4.28
D002641		0.60	0.16	6.30	12.2	900	1.26	0.23	2.39	0.32	38.0	10.6	101	4.75	15.7	3.24
D002642		0.47	0.19	6.62	17.5	730	1.22	0.22	3.27	0.29	38.8	18.8	167	5.24	26.3	4.05
D002643		0.42	0.27	6.90	23.0	830	1.19	0.21	3.23	0.37	38.4	22.4	191	6.40	41.6	4.31
D002644		0.39	0.12	6.90	32.6	1020	1.26	0.23	2.59	0.45	39.4	15.3	154	5.94	37.6	3.75
D002645		0.48	0.12	6.26	14.0	830	1.55	0.20	2.64	0.32	38.3	14.8	122	4.15	26.1	3.72
D002646		0.40	0.24	6.63	16.6	940	1.45	0.19	2.55	0.39	37.7	15.5	123	5.88	36.1	3.89
D002647		0.55	0.10	6.66	15.2	930	1.36	0.20	2.71	0.36	34.9	15.1	126	6.64	31.1	3.98
D002648		0.51	0.44	6.26	12.1	860	1.68	0.23	1.81	0.36	43.5	11.6	95	5.88	36.2	2.97
D002649		0.57	0.11	5.80	9.5	740	1.53	0.20	2.14	0.34	37.8	10.4	98	3.48	20.5	3.17
D002650		0.36	0.69	7.35	26.7	1030	1.85	0.27	1.90	0.38	43.1	15.6	139	12.65	55.4	4.38
D002651		0.45	0.14	6.20	11.4	790	1.60	0.21	2.11	0.27	36.9	10.4	105	5.37	21.8	3.22
D002652		0.53	0.07	5.89	8.9	710	1.47	0.14	2.45	0.30	32.1	10.9	104	4.72	15.8	3.06
D002653		0.33	0.17	6.57	13.6	810	1.34	0.20	2.47	0.37	36.5	13.7	107	5.98	26.8	3.69
D002654		0.57	0.08	6.34	13.6	640	1.52	0.20	2.48	0.46	32.8	17.0	127	4.00	25.0	3.87



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Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Ga ppm	Ge ppm	Hf ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Ni ppm	P ppm	Pb ppm
D002615		12.15	0.12	0.8	0.046	0.63	7.8	23.8	4.57	827	0.50	1.45	4.4	133.5	520	5.8
D002616		11.90	0.12	0.8	0.047	0.61	8.8	18.0	3.84	685	0.71	1.32	4.7	105.5	1340	6.4
D002617		13.50	0.11	0.7	0.051	0.55	8.1	24.9	5.40	951	0.41	1.40	4.5	166.5	390	5.5
D002618		12.95	0.13	0.8	0.046	0.58	7.0	25.3	5.23	964	0.43	1.42	4.2	155.5	460	5.1
D002619		13.95	0.12	1.0	0.045	0.86	11.6	25.7	3.77	873	0.80	1.45	6.3	121.0	1100	9.3
D002620		13.10	0.11	0.9	0.039	0.61	6.9	28.7	5.77	916	0.46	1.29	4.5	166.5	300	6.2
D002621		12.65	0.13	0.8	0.048	0.61	6.8	29.9	5.43	894	0.63	1.23	4.3	168.0	360	6.0
D002622		13.05	0.12	1.0	0.046	0.91	11.0	25.4	3.59	745	1.04	1.48	6.4	105.0	380	9.7
D002623		15.00	0.13	1.3	0.057	1.12	17.1	44.5	3.34	885	1.17	1.12	7.4	113.0	1640	12.7
D002624		14.25	0.14	1.0	0.057	1.02	14.6	31.0	3.38	853	0.94	1.62	7.3	102.5	440	9.8
D002625		15.95	0.13	1.4	0.053	1.18	18.2	32.9	3.24	1020	1.14	1.61	7.4	84.4	1150	11.9
D002626		15.60	0.13	1.6	0.045	1.34	17.1	26.4	2.72	859	1.00	1.82	7.6	66.7	1240	10.5
D002627		15.55	0.13	1.4	0.050	1.19	14.0	30.7	3.81	1090	0.86	1.93	6.2	94.2	870	9.7
D002628		13.00	0.12	0.7	0.043	0.71	7.0	35.8	5.79	902	0.54	1.56	4.1	138.5	280	6.0
D002629		14.25	0.15	1.1	0.061	0.95	15.3	25.0	3.40	983	0.72	1.74	8.2	91.1	530	9.1
D002630		11.20	0.09	1.4	0.046	0.85	31.5	32.2	5.76	1695	2.37	0.99	6.2	69.9	800	10.2
D002631		13.35	0.10	1.7	0.044	1.20	24.3	32.1	3.49	667	2.97	1.07	9.6	58.5	520	14.0
D002632		12.70	0.08	1.4	0.046	1.11	17.5	20.1	2.43	1215	1.62	1.27	7.4	38.6	2090	9.7
D002633		15.90	0.10	1.5	0.046	1.23	18.5	23.3	2.78	813	2.79	1.45	9.0	82.9	1080	12.6
D002634		16.35	0.09	1.3	0.053	0.98	16.1	24.9	2.97	788	1.78	1.57	8.3	77.2	600	11.5
D002635		8.53	0.09	0.7	0.035	0.47	13.0	55.5	9.65	758	0.69	0.42	3.8	64.7	600	10.0
D002636		14.80	0.09	1.1	0.049	1.04	17.8	28.3	3.71	894	0.80	1.40	7.9	106.0	560	10.0
D002637		14.70	0.08	1.2	0.043	1.05	12.4	22.9	3.04	913	1.04	1.33	8.7	77.9	1280	12.2
D002638		14.70	0.09	1.3	0.053	1.09	13.0	29.6	3.23	1010	1.01	1.54	8.1	85.6	860	9.6
D002639		21.1	0.12	1.8	0.078	1.43	24.3	73.5	2.12	1545	3.99	0.88	8.6	85.3	1290	30.9
D002640		16.30	0.11	1.8	0.056	1.26	23.2	40.5	1.94	1755	2.27	1.45	7.2	62.3	1060	15.9
D002641		15.50	0.10	1.4	0.044	1.40	19.5	24.3	1.41	494	1.68	1.71	9.8	29.2	410	14.0
D002642		14.70	0.11	1.6	0.050	1.14	20.1	27.1	1.88	739	1.61	1.58	8.7	46.2	840	12.2
D002643		15.00	0.10	1.3	0.051	1.18	19.2	31.0	2.29	929	1.61	1.57	7.9	65.0	850	13.0
D002644		14.30	0.09	1.6	0.048	1.49	21.1	31.3	1.68	972	1.30	1.68	8.5	51.0	820	12.7
D002645		13.95	0.10	1.4	0.045	1.39	21.2	28.8	1.70	656	1.72	1.68	8.3	43.4	810	12.8
D002646		14.00	0.09	1.5	0.048	1.37	20.4	34.9	1.70	861	1.74	1.53	7.4	44.2	890	12.0
D002647		14.90	0.09	1.5	0.044	1.37	19.8	35.4	1.84	645	1.56	1.52	9.4	45.7	790	12.2
D002648		14.35	0.11	1.9	0.044	1.48	23.3	36.4	1.26	535	1.91	1.51	7.9	41.5	840	14.9
D002649		12.75	0.09	1.5	0.037	1.38	20.0	26.2	1.35	445	1.74	1.56	7.9	34.6	830	13.1
D002650		15.75	0.10	1.6	0.051	1.37	25.1	60.2	1.67	682	2.59	1.16	7.7	58.2	1370	15.8
D002651		13.50	0.08	1.5	0.043	1.35	19.2	33.4	1.36	524	1.98	1.53	7.6	34.2	820	13.6
D002652		14.20	0.07	1.4	0.043	1.34	16.3	24.5	1.36	459	1.42	1.61	8.5	32.8	540	12.0
D002653		15.45	0.09	1.6	0.044	1.42	18.8	33.2	1.48	624	1.89	1.67	8.1	38.0	680	12.4
D002654		13.65	0.09	1.2	0.043	1.18	15.1	33.3	1.58	602	1.74	1.56	10.0	46.5	500	13.0



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Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Rb ppm	Re ppm	S %	Sb ppm	Sc ppm	Se ppm	Sn ppm	Sr ppm	Ta ppm	Te ppm	Th ppm	Ti %	Tl ppm	U ppm	V ppm
		0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1	1
D002615		19.8	<0.002	0.02	0.99	29.6	<1	0.9	133.5	0.34	<0.05	2.69	0.439	0.23	0.9	160
D002616		27.8	<0.002	0.05	0.76	26.8	<1	0.9	129.5	0.40	<0.05	2.70	0.416	0.23	1.0	148
D002617		25.2	<0.002	0.01	0.86	35.4	1	1.0	132.5	0.38	<0.05	2.84	0.465	0.22	0.8	185
D002618		26.9	<0.002	0.01	0.83	33.2	<1	0.9	132.5	0.36	<0.05	2.36	0.445	0.21	0.7	172
D002619		41.5	<0.002	0.03	0.89	28.9	<1	1.2	151.0	0.54	<0.05	4.12	0.454	0.34	1.4	174
D002620		28.3	<0.002	0.01	0.73	31.9	<1	0.9	120.5	0.35	<0.05	3.28	0.408	0.29	1.0	165
D002621		27.2	<0.002	0.02	0.73	31.4	<1	0.9	120.0	0.34	<0.05	2.88	0.417	0.27	1.0	173
D002622		33.2	<0.002	0.02	0.76	24.3	<1	1.0	140.5	0.53	<0.05	3.87	0.425	0.38	1.4	169
D002623		49.9	<0.002	0.08	0.98	30.1	<1	1.3	153.5	0.55	<0.05	5.48	0.357	0.42	3.1	163
D002624		46.1	<0.002	0.03	0.84	26.8	<1	1.3	164.5	0.57	<0.05	4.46	0.528	0.36	1.8	199
D002625		47.5	<0.002	0.05	1.37	24.3	<1	1.3	235	0.57	<0.05	5.22	0.470	0.37	1.8	173
D002626		45.0	<0.002	0.04	0.75	19.4	<1	1.2	275	0.58	<0.05	5.04	0.457	0.38	1.6	153
D002627		31.1	<0.002	0.03	0.74	26.0	<1	1.0	291	0.44	<0.05	4.02	0.488	0.30	1.3	161
D002628		18.8	<0.002	0.02	0.57	29.5	1	0.7	109.5	0.31	<0.05	1.87	0.426	0.24	0.7	175
D002629		44.3	<0.002	0.02	0.86	29.4	<1	1.3	169.5	0.82	<0.05	5.18	0.593	0.36	1.9	245
D002630		32.9	0.008	0.10	0.79	14.4	1	1.0	115.0	0.46	<0.05	4.25	0.351	0.36	3.1	127
D002631		43.3	<0.002	0.04	0.75	16.5	1	1.9	102.0	0.72	<0.05	6.82	0.408	0.45	2.4	147
D002632		41.1	<0.002	0.09	0.61	15.6	1	1.2	127.0	0.52	<0.05	4.87	0.417	0.32	2.1	139
D002633		53.7	<0.002	0.04	0.89	17.9	1	1.4	203	0.65	<0.05	5.59	0.417	0.42	1.8	135
D002634		50.4	<0.002	0.03	0.98	25.1	<1	1.4	161.0	0.65	<0.05	4.68	0.510	0.37	1.7	200
D002635		15.5	<0.002	0.02	1.05	13.6	<1	0.6	49.0	0.24	<0.05	2.00	0.433	0.27	0.8	121
D002636		48.9	<0.002	0.01	0.95	25.2	1	1.5	145.0	0.62	<0.05	5.20	0.460	0.36	1.2	167
D002637		53.6	<0.002	0.03	0.82	19.6	<1	1.5	147.5	0.67	<0.05	4.23	0.422	0.40	1.5	143
D002638		48.5	<0.002	0.02	1.16	23.2	1	1.4	155.5	0.63	<0.05	4.75	0.561	0.36	1.6	213
D002639		84.8	<0.002	0.03	3.33	24.2	1	2.4	132.0	0.62	0.09	11.25	0.356	0.92	3.7	217
D002640		51.2	<0.002	0.04	2.08	18.2	1	1.4	234	0.57	0.06	7.09	0.373	0.51	2.9	150
D002641		66.3	<0.002	0.01	1.24	15.0	1	1.7	214	0.74	<0.05	6.02	0.425	0.50	1.8	150
D002642		49.0	<0.002	0.01	1.70	19.2	1	1.4	218	0.84	0.05	6.31	0.459	0.41	2.4	161
D002643		53.2	<0.002	0.03	2.03	20.1	1	1.3	218	0.59	<0.05	5.61	0.450	0.43	3.0	163
D002644		56.7	<0.002	0.02	2.81	15.9	1	1.4	219	0.62	0.05	6.52	0.418	0.50	1.9	149
D002645		57.0	<0.002	0.02	1.64	16.5	1	1.6	205	0.69	<0.05	6.56	0.396	0.49	2.2	150
D002646		60.4	<0.002	0.02	1.46	16.9	2	1.5	195.0	0.54	<0.05	6.68	0.387	0.51	3.1	158
D002647		67.0	<0.002	0.02	1.36	18.2	1	1.7	204	0.83	0.06	6.79	0.420	0.53	2.9	163
D002648		70.3	<0.002	0.02	1.35	14.4	1	1.6	188.0	0.74	0.05	7.62	0.314	0.60	3.9	136
D002649		59.3	<0.002	0.01	1.25	13.3	1	1.5	166.0	0.65	<0.05	6.43	0.340	0.48	2.0	138
D002650		82.6	0.002	0.05	1.57	20.1	4	1.7	153.0	0.64	0.06	8.92	0.322	0.63	4.8	156
D002651		65.5	<0.002	0.02	1.04	14.0	1	1.6	166.0	0.65	<0.05	6.34	0.358	0.52	2.4	137
D002652		67.0	<0.002	0.01	1.18	15.0	1	1.4	190.0	0.72	<0.05	4.79	0.370	0.48	1.9	138
D002653		61.9	<0.002	0.02	1.26	15.5	1	1.6	247	0.62	<0.05	5.90	0.398	0.45	2.0	145
D002654		55.9	<0.002	0.01	1.40	16.0	1	1.4	161.0	0.64	<0.05	5.77	0.377	0.43	2.0	143



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Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Au-ICP21
		W ppm 0.1	Y ppm 0.1	Zn ppm 2	Zr ppm 0.5	Au ppm 0.001
D002615		0.9	14.6	53	21.8	<0.001
D002616		0.8	13.7	49	24.4	<0.001
D002617		0.8	17.4	60	19.8	<0.001
D002618		0.7	16.2	57	20.1	<0.001
D002619		1.1	16.5	75	29.9	<0.001
D002620		0.8	13.5	63	20.8	<0.001
D002621		1.1	14.2	65	23.0	<0.001
D002622		1.4	15.0	68	29.0	0.001
D002623		1.1	26.2	105	42.4	0.002
D002624		1.4	20.6	76	32.2	0.001
D002625		1.1	18.5	85	46.2	0.001
D002626		1.2	13.4	73	52.2	<0.001
D002627		0.8	17.6	81	46.6	<0.001
D002628		0.7	13.0	67	18.8	<0.001
D002629		1.5	20.3	76	32.6	<0.001
D002630		1.0	26.3	94	41.6	0.001
D002631		1.3	16.2	80	58.7	<0.001
D002632		0.8	16.4	77	55.2	<0.001
D002633		1.2	15.2	87	52.3	<0.001
D002634		1.4	16.8	86	38.7	<0.001
D002635		1.3	18.1	114	20.1	<0.001
D002636		1.2	16.8	82	35.0	<0.001
D002637		1.2	12.1	85	40.8	0.014
D002638		1.6	18.3	94	37.5	<0.001
D002639		1.7	19.9	188	61.7	0.006
D002640		1.9	21.0	112	61.7	0.003
D002641		1.3	15.0	69	48.3	0.004
D002642		1.3	18.2	80	44.2	0.004
D002643		1.5	18.0	93	42.6	0.001
D002644		1.2	16.2	100	50.4	0.004
D002645		1.1	15.6	92	44.9	0.002
D002646		1.0	15.6	103	44.8	0.001
D002647		1.4	16.7	106	46.5	<0.001
D002648		1.1	16.7	110	57.3	0.002
D002649		0.9	13.9	89	51.4	0.005
D002650		1.2	21.7	157	51.0	0.003
D002651		1.1	13.7	84	49.0	0.001
D002652		1.4	14.0	67	43.6	<0.001
D002653		1.1	15.0	90	56.7	<0.001
D002654		1.0	15.3	85	41.1	0.001



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	Analyte	Recvd Wt.	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe
Units		kg	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%
LOD		0.02	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01
D002655		0.22	1.00	6.95	23.1	1080	1.62	0.21	2.43	0.50	41.8	14.6	120	11.50	58.3	4.06
D002656		0.24	0.67	7.23	18.3	1120	1.47	0.20	2.18	0.39	40.7	14.6	102	9.68	42.5	3.71
D002657		0.55	0.05	7.25	5.3	410	1.05	0.73	5.20	0.12	25.1	26.0	255	2.77	27.7	4.70
D002658		0.58	0.02	7.10	5.0	370	0.98	0.13	5.16	0.13	25.3	29.3	268	3.29	30.5	4.70
D002659		0.40	0.02	6.81	3.6	290	0.75	0.11	5.39	0.12	19.80	28.6	270	2.48	21.8	4.93
D002660		0.49	0.08	7.18	4.8	370	0.83	0.14	5.04	0.11	19.80	31.0	324	4.49	43.3	4.60
D002661		0.70	0.04	6.98	4.2	230	0.59	0.11	5.87	0.13	13.55	36.8	366	3.09	26.7	5.45
D002662		0.42	0.03	7.03	3.9	210	0.55	0.10	5.81	0.14	14.45	40.5	385	2.35	30.9	5.83
D002663		0.52	0.08	7.06	6.4	320	0.73	0.12	5.29	0.15	20.9	37.0	375	3.54	50.6	5.15
D002664		0.55	0.02	6.78	5.6	340	0.72	0.14	4.57	0.19	20.2	33.9	406	3.42	53.6	5.09
D002665		0.48	0.05	7.04	4.4	270	0.55	0.14	5.51	0.14	16.90	36.4	448	3.62	38.2	5.03
D002666		0.36	0.19	7.05	2.9	670	0.98	0.16	3.14	0.13	32.4	13.8	188	2.75	26.1	2.78
D002667		0.40	0.08	7.26	27.1	400	0.72	0.15	4.78	0.20	20.9	23.9	364	3.79	26.9	4.60
D002668		0.51	0.09	7.66	27.8	500	0.99	0.21	4.41	0.22	28.5	24.3	361	7.25	30.9	4.27
D002669		0.58	0.08	7.42	12.5	370	1.29	0.15	5.29	0.36	21.4	29.0	383	2.55	39.3	4.73
D002670		0.35	0.22	6.95	6.2	700	1.08	0.21	2.91	0.29	29.9	21.8	249	6.17	54.7	3.71
D002671		0.42	0.10	6.81	12.8	450	0.85	0.16	5.06	0.25	25.6	39.9	246	3.64	39.8	6.56
D002672		0.58	0.23	7.19	30.8	810	1.22	0.25	3.62	0.51	38.3	36.6	290	11.40	71.8	5.51
D002673		0.45	0.09	7.13	5.0	570	0.90	0.20	4.73	0.22	23.4	37.5	349	3.16	81.1	5.23
D002674		0.34	0.06	5.70	5.5	690	0.99	0.27	2.38	0.20	34.0	13.4	128	5.18	18.8	3.61
D002675		0.40	0.05	6.38	7.2	560	1.01	0.22	3.60	0.23	31.5	23.8	230	4.52	35.5	5.41
D002676		0.33	0.06	6.52	7.2	580	1.13	0.16	3.20	0.33	25.4	19.5	226	3.15	29.9	3.80
D002751		0.44	0.62	6.46	267	1070	1.37	2.47	1.17	1.13	37.4	11.0	120	9.84	99.0	5.37
D002752		0.58	0.81	7.69	103.5	1870	1.93	0.32	0.40	2.26	76.5	12.7	185	15.85	38.5	4.43
D002753		0.57	0.25	7.10	220	1610	1.72	0.22	0.73	2.18	68.0	13.4	75	20.6	32.1	3.98
D002754		0.60	0.52	7.40	95.9	1470	2.85	0.52	0.51	4.02	92.9	7.8	55	19.00	22.9	2.88
D002755		0.64	0.49	6.60	472	1220	1.58	4.02	0.89	1.83	44.3	12.4	104	11.75	179.5	4.58
D002756		0.52	0.41	6.50	111.5	1210	1.43	2.17	1.30	1.02	52.4	6.9	93	11.45	68.8	5.63
D002757		0.62	0.46	6.77	491	1330	1.50	5.19	0.65	1.00	51.3	10.1	112	22.6	121.5	4.85
D002758		0.53	0.31	6.65	55.7	1240	1.71	1.03	1.13	1.90	58.5	10.6	103	18.55	29.9	3.31
D002759		0.49	0.76	7.50	196.5	1520	1.84	1.45	0.63	1.86	58.2	12.6	95	11.05	42.4	4.40
D002760		0.59	0.95	7.54	146.5	1730	1.82	0.42	1.01	3.15	67.0	15.3	99	11.65	68.1	4.64
D002761		0.48	0.44	6.18	90.6	840	1.37	0.59	1.98	0.99	46.8	14.2	113	5.48	29.0	3.73
D002762		0.60	0.76	6.55	181.5	1030	1.41	0.54	1.80	1.54	45.2	18.4	142	6.66	41.4	4.25
D002763		0.56	0.32	7.28	135.0	880	1.16	2.04	1.17	2.87	43.5	47.8	149	8.72	197.0	6.07
D002764		0.56	0.34	6.89	103.5	1170	2.06	1.25	1.17	0.66	61.8	11.4	126	11.95	154.5	4.05
D002765		0.52	0.40	6.43	68.5	870	1.56	0.70	1.98	1.74	51.5	29.9	112	7.13	246	3.89
D002766		0.85	0.19	6.54	28.5	940	1.37	0.15	2.06	0.87	39.7	13.7	110	5.12	31.9	4.15
D002767		0.56	0.14	6.41	17.0	890	1.27	0.17	2.35	0.68	37.6	15.1	112	5.03	38.6	3.70
D002768		0.49	1.76	6.70	235	1550	0.98	7.10	0.43	0.26	37.2	3.1	111	18.90	212	6.62



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Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
	Analyte	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P	Pb
Units		ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm
LOD		0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10	0.5
D002655		13.85	0.11	1.5	0.044	1.28	28.1	60.5	1.50	677	1.34	1.16	6.0	53.4	1080	12.8
D002656		16.35	0.10	1.8	0.044	1.48	25.5	45.4	1.32	930	3.10	1.61	6.5	42.7	1240	11.6
D002657		14.15	0.08	1.0	0.052	0.89	11.6	18.0	3.81	870	0.56	1.93	6.7	86.8	330	8.2
D002658		13.85	0.09	0.9	0.047	0.78	11.4	18.8	4.18	839	0.52	1.77	6.4	100.5	310	6.8
D002659		14.15	0.07	0.9	0.052	0.62	8.5	16.5	4.11	810	0.53	1.65	5.4	95.0	410	5.6
D002660		14.45	0.07	0.9	0.050	0.65	9.6	25.4	4.33	762	0.36	1.46	5.2	119.0	780	6.2
D002661		13.25	0.06	0.7	0.044	0.47	5.9	23.3	5.47	892	0.41	1.35	4.1	144.0	370	4.0
D002662		13.95	0.10	0.7	0.052	0.43	5.7	20.3	5.61	912	0.45	1.34	3.8	149.5	300	4.7
D002663		13.30	0.10	1.1	0.048	0.61	10.0	22.9	4.98	880	0.58	1.43	4.6	142.5	340	5.3
D002664		12.90	0.10	0.9	0.047	0.65	10.0	22.1	4.87	791	0.60	1.25	5.7	148.0	490	5.8
D002665		13.85	0.09	0.8	0.042	0.57	8.2	18.8	5.18	815	0.63	1.28	4.2	151.5	440	4.7
D002666		17.00	0.09	2.1	0.032	1.58	17.0	19.3	2.03	514	1.53	2.09	5.8	55.0	280	9.8
D002667		14.65	0.07	1.1	0.049	0.82	10.2	18.5	3.88	772	1.11	1.48	5.1	106.5	420	8.5
D002668		14.10	0.10	1.4	0.043	1.01	14.4	23.6	3.82	691	1.52	1.39	6.7	114.0	500	11.4
D002669		13.95	0.09	1.0	0.051	0.70	9.9	19.0	4.01	749	0.96	1.48	4.6	122.5	560	6.8
D002670		15.20	0.08	1.5	0.038	1.22	15.5	30.2	3.15	657	1.56	1.59	6.0	98.0	1180	9.9
D002671		15.75	0.09	0.9	0.066	0.61	11.8	26.4	4.46	1070	8.66	1.61	5.9	97.7	690	6.9
D002672		15.10	0.09	1.4	0.055	1.06	19.5	36.6	3.49	929	10.20	1.43	7.6	124.5	800	13.5
D002673		14.15	0.08	1.0	0.046	0.77	11.2	27.6	4.93	842	3.91	1.50	5.3	147.5	550	6.7
D002674		17.35	0.08	1.5	0.053	1.24	18.0	15.3	1.71	627	1.46	1.44	10.6	38.2	1460	13.5
D002675		15.90	0.08	1.1	0.057	0.99	15.4	24.7	3.38	849	1.08	1.46	8.4	83.6	550	17.4
D002676		13.60	0.08	1.1	0.044	1.12	12.0	23.4	2.88	643	0.80	1.48	7.0	72.6	440	13.6
D002751		13.95	0.10	1.8	0.212	1.60	21.6	42.8	1.15	432	9.57	1.05	5.7	40.2	1020	78.9
D002752		18.95	0.12	3.8	0.075	2.19	40.2	43.4	0.79	645	7.01	1.50	7.2	74.1	890	51.1
D002753		17.00	0.11	3.0	0.073	2.71	32.8	49.8	0.75	918	3.98	1.09	8.4	42.6	660	25.5
D002754		19.30	0.13	4.5	0.118	2.62	51.3	39.2	1.23	874	2.28	1.80	14.5	31.4	630	40.5
D002755		15.75	0.10	2.4	0.258	1.93	25.3	36.2	1.09	563	5.05	1.05	7.7	36.8	500	68.3
D002756		18.00	0.12	3.0	0.337	2.01	30.9	35.2	1.29	569	9.95	1.20	9.4	31.3	1270	121.0
D002757		16.35	0.11	2.4	0.335	1.94	29.1	52.0	0.98	474	6.41	0.78	7.5	39.9	990	146.0
D002758		17.85	0.11	2.3	0.094	1.87	30.9	29.6	0.84	780	4.18	1.39	10.2	23.7	670	69.9
D002759		18.10	0.09	2.8	0.112	2.36	30.2	36.2	1.08	512	5.99	1.38	7.9	43.0	840	146.0
D002760		18.50	0.14	3.4	0.097	2.04	40.4	38.4	1.25	859	10.30	1.39	6.4	72.7	590	43.4
D002761		13.55	0.11	1.9	0.058	1.45	24.1	26.5	1.10	488	2.90	1.45	6.9	46.5	890	33.3
D002762		13.90	0.08	2.1	0.070	1.52	24.0	36.7	1.27	624	4.19	1.41	6.5	58.7	780	54.7
D002763		16.15	0.10	1.4	0.144	1.30	22.8	34.0	1.85	1200	8.59	1.30	6.2	95.5	1020	65.9
D002764		16.85	0.11	2.3	0.112	1.91	33.9	51.4	1.23	477	5.17	1.14	9.1	52.0	1090	29.1
D002765		14.70	0.11	1.7	0.089	1.44	26.0	36.7	1.39	720	3.94	1.31	7.8	80.8	900	27.2
D002766		12.95	0.07	1.4	0.042	1.49	20.9	33.6	1.54	564	5.06	1.71	7.0	39.7	830	12.4
D002767		12.65	0.09	1.5	0.050	1.35	19.4	34.8	1.53	679	1.52	1.65	6.7	43.0	820	13.7
D002768		20.6	0.11	2.3	0.395	2.14	21.4	36.2	0.89	224	10.80	0.48	4.7	15.6	1570	65.7



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Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V
Units		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
LOD		0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1	1
D002655		58.0	0.007	0.07	1.24	18.2	3	1.3	201	0.49	0.06	7.34	0.297	0.53	7.6	137
D002656		60.7	<0.002	0.05	1.07	16.2	3	1.2	272	0.48	0.05	6.37	0.299	0.50	9.6	125
D002657		37.0	<0.002	0.01	0.89	30.1	4	1.1	171.0	0.56	<0.05	3.16	0.554	0.26	1.2	193
D002658		33.7	<0.002	0.01	0.74	30.4	1	1.1	161.5	0.54	<0.05	3.71	0.525	0.24	1.1	180
D002659		26.8	<0.002	0.02	0.68	30.7	1	1.0	156.0	0.43	<0.05	2.67	0.507	0.20	1.1	179
D002660		27.8	<0.002	0.04	0.63	30.8	1	1.0	164.5	0.40	<0.05	3.17	0.459	0.21	2.5	168
D002661		19.1	<0.002	0.01	0.66	31.5	<1	0.9	126.0	0.37	<0.05	1.82	0.482	0.15	0.9	185
D002662		20.3	<0.002	0.01	0.62	37.7	<1	0.8	130.5	0.30	<0.05	2.27	0.521	0.15	0.7	192
D002663		29.3	<0.002	0.01	0.77	33.7	<1	0.9	150.5	0.33	<0.05	3.31	0.469	0.20	1.3	171
D002664		30.7	<0.002	0.01	0.78	29.5	1	0.9	137.5	0.57	<0.05	2.64	0.442	0.21	1.0	154
D002665		27.2	<0.002	0.01	0.76	33.5	<1	0.8	152.0	0.30	<0.05	2.67	0.436	0.17	0.6	159
D002666		42.1	<0.002	0.01	0.79	13.3	<1	1.0	391	0.47	<0.05	4.31	0.332	0.27	1.6	87
D002667		29.3	<0.002	0.01	0.81	22.9	<1	1.0	181.0	0.46	<0.05	3.31	0.423	0.25	1.2	153
D002668		40.4	<0.002	0.02	0.97	21.7	<1	1.1	150.5	0.54	<0.05	4.55	0.367	0.39	1.6	133
D002669		31.9	<0.002	0.02	0.80	27.5	<1	1.0	161.5	0.40	<0.05	3.37	0.440	0.26	2.0	173
D002670		49.7	<0.002	0.05	0.70	17.2	<1	1.2	250	0.52	<0.05	4.62	0.340	0.38	2.2	117
D002671		24.9	0.005	0.03	0.70	35.0	1	1.3	144.5	0.46	<0.05	3.87	0.669	0.22	5.1	279
D002672		43.0	0.004	0.07	0.96	24.7	1	1.4	177.0	0.62	<0.05	5.74	0.449	0.42	4.5	167
D002673		31.1	0.003	0.46	0.99	30.1	<1	1.1	150.5	0.49	<0.05	3.64	0.522	0.27	2.4	210
D002674		54.2	<0.002	0.03	1.08	17.1	<1	1.9	184.0	0.88	<0.05	4.81	0.518	0.41	1.7	160
D002675		52.9	<0.002	0.02	0.93	23.5	<1	1.5	144.5	0.76	<0.05	5.79	0.555	0.36	1.4	207
D002676		44.0	<0.002	0.02	0.83	19.4	1	1.3	170.5	0.60	<0.05	4.04	0.393	0.36	1.2	132
D002751		70.7	<0.002	0.23	16.35	15.0	4	1.7	126.0	0.49	0.49	7.32	0.297	0.80	2.7	187
D002752		106.0	<0.002	0.04	6.46	11.3	6	2.2	89.2	0.53	0.09	12.00	0.203	1.01	3.3	188
D002753		131.5	<0.002	0.04	9.24	13.0	2	2.0	83.5	0.60	0.05	9.90	0.261	1.13	3.0	201
D002754		109.0	<0.002	0.02	2.06	10.8	1	2.7	74.8	0.94	<0.05	15.85	0.240	0.90	3.3	100
D002755		91.6	<0.002	0.04	26.4	15.8	3	2.6	94.0	0.63	0.70	7.32	0.298	1.07	3.7	206
D002756		75.6	<0.002	0.23	4.95	12.0	7	5.0	205	0.77	0.38	9.35	0.322	0.85	3.6	219
D002757		93.5	<0.002	0.15	19.50	14.3	4	2.6	93.7	0.62	0.90	9.77	0.289	1.24	3.2	222
D002758		113.0	<0.002	0.06	3.03	13.8	2	2.4	158.0	0.93	0.16	9.70	0.373	0.88	3.3	172
D002759		98.2	<0.002	0.13	7.74	13.7	3	2.2	98.2	0.59	0.19	9.50	0.277	0.97	3.5	185
D002760		98.1	<0.002	0.03	5.67	19.2	3	2.2	114.0	0.49	0.12	11.40	0.268	1.14	5.6	293
D002761		64.0	<0.002	0.02	4.28	14.8	2	1.4	155.5	0.61	0.11	6.88	0.331	0.62	2.5	168
D002762		64.6	<0.002	0.07	8.75	15.4	3	1.5	142.5	0.54	0.10	6.99	0.339	0.70	3.0	208
D002763		63.8	<0.002	0.20	12.80	20.8	2	1.7	144.5	0.51	0.36	5.90	0.321	0.64	2.6	169
D002764		92.9	<0.002	0.24	4.66	14.2	2	2.5	183.0	0.86	0.17	10.90	0.329	0.83	4.4	169
D002765		71.7	<0.002	0.06	4.57	16.0	2	1.8	168.5	0.70	0.12	9.97	0.329	0.62	3.8	146
D002766		55.0	<0.002	0.03	1.52	16.2	<1	1.4	160.5	0.65	<0.05	6.66	0.375	0.48	3.3	159
D002767		49.9	<0.002	0.01	1.96	16.4	1	1.3	159.0	0.63	<0.05	14.15	0.380	0.51	3.3	153
D002768		102.5	<0.002	0.57	12.45	19.0	7	3.1	101.0	0.36	2.08	6.17	0.281	1.37	3.2	265



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Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Au-ICP21
		W ppm 0.1	Y ppm 0.1	Zn ppm 2	Zr ppm 0.5	Au ppm 0.001
D002655		1.1	33.2	118	49.0	0.005
D002656		1.0	25.4	123	64.1	0.002
D002657		0.8	19.6	58	25.8	<0.001
D002658		0.8	19.6	57	24.2	<0.001
D002659		0.8	17.8	55	25.7	<0.001
D002660		0.8	19.8	74	26.5	<0.001
D002661		0.8	15.8	63	18.1	<0.001
D002662		0.7	15.8	60	19.0	<0.001
D002663		0.9	18.4	65	30.2	0.003
D002664		1.0	14.0	59	25.6	<0.001
D002665		0.8	14.0	55	23.2	<0.001
D002666		0.8	9.8	49	70.1	<0.001
D002667		1.0	12.2	56	30.2	<0.001
D002668		1.1	13.0	60	39.3	<0.001
D002669		1.1	17.4	59	22.7	<0.001
D002670		1.1	12.4	90	48.6	<0.001
D002671		1.1	23.5	98	21.9	<0.001
D002672		1.4	23.5	91	39.8	<0.001
D002673		1.3	20.0	77	26.4	<0.001
D002674		1.9	13.0	56	50.5	<0.001
D002675		1.4	16.4	87	33.8	<0.001
D002676		1.1	12.4	63	33.5	<0.001
D002751		8.2	10.6	202	56.5	0.002
D002752		1.7	9.9	346	122.5	<0.001
D002753		1.9	11.6	342	97.9	<0.001
D002754		1.8	22.5	476	130.0	<0.001
D002755		14.1	16.8	229	73.2	0.005
D002756		6.0	21.2	310	101.0	<0.001
D002757		10.0	13.0	247	75.5	0.002
D002758		3.8	14.0	225	77.9	<0.001
D002759		3.0	12.3	330	95.0	<0.001
D002760		1.7	29.8	427	110.0	0.006
D002761		1.4	13.4	144	58.9	0.001
D002762		1.5	12.2	234	67.7	0.009
D002763		6.5	18.2	228	45.3	<0.001
D002764		3.8	12.8	174	72.0	0.003
D002765		2.5	15.6	248	56.3	0.002
D002766		1.0	16.4	150	40.5	0.001
D002767		1.1	15.5	107	41.6	<0.001
D002768		37.6	9.2	80	80.9	0.004



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Sample Description	Method	WEI-21	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe
	Units	kg	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOD	0.02	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01
D002769		0.40	1.51	6.34	131.0	1060	1.04	4.79	1.16	1.02	37.1	5.5	91	12.15	161.5	4.40
D002770		0.43	0.41	5.90	285	970	1.24	2.52	1.10	0.94	50.9	7.4	99	13.15	52.4	4.20
D002771		0.51	0.77	7.50	237	1140	1.53	3.47	0.80	0.88	60.9	14.8	151	23.8	114.5	6.03
D002772		0.55	4.17	7.76	388	1960	2.78	0.90	0.24	12.80	107.0	29.1	78	35.9	52.9	5.17
D002773		0.48	1.08	6.90	157.0	1150	1.70	1.22	1.32	5.03	52.7	9.8	109	34.0	44.3	3.63
D002774		0.65	1.62	7.27	285	1260	2.07	1.31	1.13	4.36	62.1	9.9	104	57.7	48.3	3.65
D002775		0.48	0.71	7.26	103.0	1180	1.56	0.53	1.74	5.42	50.7	14.7	129	10.85	52.8	4.13
D002776		0.53	0.14	6.17	13.0	900	1.42	0.20	2.41	0.25	33.6	12.3	117	7.60	19.0	3.27
D002777		0.59	0.11	6.22	12.0	990	1.35	0.18	2.40	0.25	36.8	10.8	115	5.55	13.0	3.06
D002778		0.52	0.19	6.21	12.3	910	1.30	0.18	2.30	0.24	33.1	11.5	109	8.14	19.2	3.37
D002779		0.61	0.12	8.02	15.2	2100	1.14	0.19	1.50	0.59	35.4	15.4	89	13.80	33.8	4.41
D002780		0.45	0.05	7.86	11.0	3200	1.02	0.14	0.99	0.63	25.2	12.9	67	10.75	31.2	4.58
D002781		0.41	0.07	7.80	9.2	1450	1.05	0.18	1.31	0.38	29.4	13.3	69	10.65	22.7	3.85
D002782		0.62	0.05	6.88	15.8	870	1.40	0.13	3.20	0.35	36.0	20.6	156	5.30	28.3	3.94
D002783		0.62	0.11	7.14	17.1	820	1.48	0.21	2.66	0.49	33.7	18.4	166	6.80	22.5	4.46
D002784		0.61	0.13	6.98	15.0	710	1.35	0.17	2.93	0.17	32.9	19.2	204	13.55	101.0	3.91
D002785		0.70	0.10	7.23	18.0	640	1.21	0.14	3.91	0.20	33.5	27.1	245	13.30	129.5	4.77
D002786		0.65	0.12	7.24	18.2	780	1.28	0.18	2.75	0.24	32.5	23.0	194	13.10	57.4	4.54
D002787		0.60	0.07	7.09	13.2	800	1.16	0.12	3.65	0.18	33.3	26.3	227	5.86	63.5	4.76
D002788		0.65	0.04	7.61	3.5	290	0.68	0.08	5.83	0.12	19.25	31.3	347	2.08	39.3	4.37
D002789		0.50	0.05	6.52	5.6	550	1.02	0.34	3.28	0.17	30.9	16.8	202	5.82	18.4	3.63
D002790		0.59	0.03	7.54	3.9	290	0.82	0.09	5.59	0.14	19.30	36.1	339	2.23	55.9	4.84
D002791		0.63	0.02	7.55	4.5	250	0.79	0.10	5.51	0.14	16.90	35.0	344	2.49	49.7	4.76
D002792		0.45	0.08	7.31	5.4	440	0.86	0.15	4.16	0.15	24.1	27.9	303	4.83	43.3	4.38
D002793		0.53	0.04	7.58	4.2	310	0.88	0.11	5.32	0.14	20.7	35.3	348	2.86	39.0	4.82
D002794		0.46	0.21	6.60	55.8	910	1.62	0.47	1.92	0.51	43.1	14.6	110	6.17	24.9	3.54
D002795		0.44	0.25	6.15	39.8	770	1.39	0.29	2.28	0.33	40.3	12.1	107	5.69	15.2	3.30
D002796		0.45	0.36	6.01	68.9	850	1.56	0.96	1.81	0.66	36.6	13.9	101	5.36	25.2	3.50
D002797		0.62	0.45	5.66	94.8	890	1.64	1.35	1.51	1.25	48.1	10.0	78	4.68	29.5	2.75
D002798		0.56	0.29	6.88	274	1120	1.71	0.51	0.98	1.21	53.6	21.5	99	14.95	27.1	4.36
D002799		0.58	0.37	6.87	79.7	870	1.72	0.27	1.77	0.71	51.5	11.5	120	11.10	21.6	3.79
D002800		0.41	0.41	8.71	88.8	1140	2.25	1.79	1.05	0.50	65.1	14.0	86	42.7	33.9	4.74
D002801		0.53	0.33	6.85	67.4	900	1.91	0.25	1.94	0.44	41.8	11.7	105	16.85	20.4	3.82
D002802		0.50	0.13	6.95	38.2	1000	2.03	0.20	1.57	0.73	58.0	13.6	95	9.45	21.2	3.10
D002803		0.46	0.17	6.43	157.0	850	1.55	0.20	2.04	0.43	37.9	10.3	114	10.40	15.8	3.45
D002804		0.54	0.08	6.51	13.2	890	1.66	0.18	1.76	0.51	48.1	15.0	103	5.87	18.9	3.22
D002805		0.49	0.09	7.16	11.0	990	2.10	0.17	1.13	0.49	63.3	11.9	77	8.74	18.6	2.84
D002806		0.50	0.12	6.25	11.0	840	1.41	0.16	2.34	0.40	49.0	13.1	101	3.76	19.7	3.31
D002807		0.60	0.08	6.45	10.5	820	1.30	0.16	2.25	0.33	39.7	14.1	115	4.67	15.8	3.39
D002808		0.52	0.22	6.50	10.9	920	1.58	0.18	2.25	0.27	44.9	12.7	101	9.17	16.4	2.99



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Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Ga ppm	Ge ppm	Hf ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Ni ppm	P ppm	Pb ppm
D002769		17.00	0.09	2.2	0.387	1.76	19.8	26.1	0.90	360	5.20	1.19	5.0	18.3	1600	40.4
D002770		16.25	0.09	2.4	0.182	1.60	26.1	28.8	0.90	395	5.50	1.07	8.3	30.5	1190	58.3
D002771		19.15	0.11	2.8	0.295	2.28	34.3	37.2	0.89	335	6.38	0.87	8.6	88.3	1030	71.5
D002772		20.7	0.15	4.5	0.512	3.21	51.8	47.3	0.79	1960	5.82	0.82	13.0	105.5	850	985
D002773		16.60	0.12	2.7	0.160	2.12	28.5	56.6	1.01	456	6.21	1.09	9.0	44.7	750	180.5
D002774		17.35	0.10	3.4	0.222	2.28	32.7	72.0	1.01	236	5.54	0.95	10.6	46.1	630	256
D002775		16.55	0.12	2.3	0.077	1.68	30.2	53.9	1.35	446	6.17	1.48	7.6	61.3	810	37.1
D002776		12.65	0.08	1.3	0.050	1.37	17.0	32.5	1.39	531	1.38	1.62	8.3	32.0	780	11.5
D002777		12.70	0.10	1.4	0.048	1.35	19.3	32.9	1.49	440	1.57	1.69	8.6	32.8	580	11.5
D002778		11.55	0.10	1.2	0.045	1.33	18.2	31.5	1.41	575	1.44	1.71	7.6	32.7	910	10.3
D002779		15.20	0.11	1.2	0.061	1.54	14.9	69.7	1.39	797	2.39	1.71	5.7	31.4	1190	10.5
D002780		15.85	0.09	1.0	0.060	1.39	12.3	61.4	1.18	807	2.71	2.19	5.4	22.5	1020	10.1
D002781		15.75	0.10	1.3	0.066	1.56	13.7	43.1	1.39	876	1.97	1.99	6.8	19.8	1000	10.8
D002782		13.05	0.11	1.2	0.056	1.28	17.7	36.0	2.05	735	1.12	1.85	7.5	50.7	540	9.9
D002783		14.30	0.10	1.3	0.062	1.21	17.2	45.8	2.02	609	1.77	1.66	8.5	56.9	410	12.4
D002784		13.55	0.10	1.2	0.049	1.26	17.6	42.9	2.28	601	1.17	1.46	8.4	68.9	720	14.0
D002785		13.85	0.11	1.2	0.053	1.14	16.2	40.2	2.54	848	0.78	1.49	8.6	83.2	440	9.2
D002786		15.35	0.11	1.3	0.060	1.27	16.3	40.0	2.28	772	0.93	1.40	9.9	70.5	910	10.6
D002787		13.90	0.13	1.2	0.057	1.16	16.8	34.9	2.79	764	0.73	1.64	9.9	86.3	460	8.2
D002788		11.75	0.09	0.8	0.048	0.61	9.3	18.0	4.33	771	0.31	1.67	4.2	136.0	340	4.6
D002789		13.40	0.09	1.2	0.050	1.10	15.4	18.6	1.98	577	0.86	1.49	9.6	54.4	780	9.6
D002790		12.70	0.10	0.6	0.052	0.58	8.9	20.3	4.62	853	0.37	1.69	4.3	140.5	370	4.8
D002791		12.75	0.09	0.7	0.053	0.56	7.7	21.8	4.52	828	0.33	1.60	4.4	140.0	390	4.5
D002792		13.85	0.09	0.9	0.053	0.86	12.0	23.7	3.46	784	0.71	1.55	6.8	105.5	710	7.6
D002793		13.20	0.10	0.8	0.053	0.65	9.9	21.3	4.17	797	0.40	1.61	5.4	132.0	320	5.7
D002794		13.05	0.11	1.7	0.060	1.56	22.3	35.1	1.42	605	1.69	1.60	9.1	39.1	660	27.8
D002795		13.00	0.12	1.3	0.056	1.35	21.4	27.4	1.37	535	1.81	1.56	8.1	31.5	950	19.4
D002796		11.60	0.10	1.4	0.086	1.52	18.7	29.8	1.24	630	1.81	1.46	7.3	37.0	820	49.6
D002797		11.25	0.11	1.6	0.076	1.53	24.5	23.3	0.95	443	1.87	1.59	7.1	32.1	750	68.8
D002798		13.70	0.13	2.1	0.163	1.83	25.3	49.2	0.96	1710	4.54	1.43	8.4	38.0	1820	69.1
D002799		13.50	0.12	2.0	0.052	1.70	27.0	42.0	1.20	489	2.30	1.60	9.8	37.9	660	23.9
D002800		18.45	0.13	3.2	0.096	2.07	33.6	127.0	1.04	690	2.69	1.85	16.2	35.0	1070	37.6
D002801		14.15	0.11	1.8	0.058	1.56	21.4	39.6	1.26	563	2.02	1.56	9.4	36.1	810	20.4
D002802		13.70	0.12	1.9	0.051	1.83	29.7	39.8	1.18	586	1.42	1.69	11.7	34.6	620	22.5
D002803		13.35	0.09	1.5	0.052	1.52	19.2	32.5	1.33	491	1.70	1.53	8.7	33.3	610	14.6
D002804		13.45	0.11	1.8	0.052	1.67	25.1	36.1	1.24	580	1.39	1.65	10.0	36.1	720	14.5
D002805		14.40	0.13	2.2	0.043	2.11	32.6	39.6	0.80	633	1.49	1.89	18.4	30.8	490	18.3
D002806		11.75	0.11	1.4	0.046	1.46	24.8	25.0	1.31	547	1.69	1.81	8.8	35.6	640	11.1
D002807		13.25	0.11	1.5	0.050	1.47	21.0	25.2	1.43	548	1.24	1.79	10.0	33.1	520	11.0
D002808		13.35	0.10	1.6	0.045	1.62	23.8	31.9	1.32	647	1.75	1.74	10.7	31.7	730	14.5



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		Rb ppm	Re ppm	S %	Sb ppm	Sc ppm	Se ppm	Sn ppm	Sr ppm	Ta ppm	Te ppm	Th ppm	Ti %	Tl ppm	U ppm	V ppm
		0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1	1
D002769		75.3	0.003	0.32	7.09	14.6	3	2.0	240	0.40	1.17	5.66	0.276	0.92	3.1	152
D002770		74.8	<0.002	0.14	13.85	13.1	3	2.2	150.0	0.70	0.40	7.59	0.338	0.79	2.8	171
D002771		119.0	<0.002	0.28	8.79	17.7	4	3.3	137.0	0.69	0.50	10.25	0.391	1.53	3.4	231
D002772		135.5	<0.002	0.07	19.50	10.8	2	4.0	69.9	0.83	0.09	15.45	0.232	1.15	3.5	124
D002773		105.0	<0.002	0.06	16.50	14.1	3	2.3	139.0	0.76	0.12	8.83	0.292	1.10	10.3	207
D002774		115.0	0.002	0.05	15.05	15.2	2	2.8	120.5	0.84	0.12	12.35	0.305	1.25	8.2	260
D002775		76.7	0.008	0.04	4.97	18.2	10	1.9	166.5	0.64	0.08	8.18	0.349	0.84	9.3	200
D002776		64.5	<0.002	0.03	1.68	16.7	<1	1.2	204	0.61	<0.05	5.34	0.356	0.46	1.9	136
D002777		62.8	<0.002	0.01	1.77	16.9	<1	1.2	180.0	0.61	0.05	4.96	0.390	0.51	1.7	148
D002778		57.4	<0.002	0.02	1.36	17.3	<1	1.1	177.5	0.56	<0.05	5.68	0.355	0.45	2.3	136
D002779		68.8	<0.002	0.04	1.55	23.0	1	1.1	162.5	0.38	0.05	5.18	0.367	0.66	2.7	177
D002780		60.4	<0.002	0.03	1.39	23.0	2	1.0	175.0	0.38	0.06	3.91	0.407	0.61	1.5	199
D002781		73.4	<0.002	0.04	0.89	21.1	<1	1.2	177.0	0.46	0.08	4.75	0.392	0.59	1.9	159
D002782		52.5	<0.002	0.01	1.76	22.6	<1	1.2	179.0	0.56	0.05	5.11	0.460	0.47	1.6	164
D002783		54.4	<0.002	0.02	1.44	21.6	2	1.4	165.5	0.60	<0.05	5.21	0.447	0.50	1.9	168
D002784		57.7	<0.002	0.03	1.37	22.8	<1	1.2	164.5	0.63	<0.05	5.42	0.418	0.50	2.0	151
D002785		54.2	<0.002	0.02	1.78	28.9	<1	1.2	175.0	0.68	<0.05	5.74	0.451	0.42	2.9	180
D002786		60.3	<0.002	0.03	1.63	24.4	1	1.4	165.0	0.63	0.05	6.29	0.437	0.50	1.9	160
D002787		50.0	<0.002	0.01	1.40	26.6	<1	1.2	189.5	0.64	<0.05	5.17	0.486	0.38	1.8	186
D002788		25.5	<0.002	0.01	0.82	29.0	<1	0.7	161.0	0.32	<0.05	2.40	0.441	0.18	0.7	155
D002789		52.2	<0.002	0.03	1.00	20.1	<1	1.3	184.0	0.66	0.05	4.68	0.458	0.35	1.4	137
D002790		21.0	<0.002	<0.01	0.88	32.1	<1	0.8	147.0	0.32	<0.05	2.47	0.489	0.19	0.8	173
D002791		17.9	<0.002	<0.01	0.87	31.2	4	0.8	141.5	0.34	<0.05	2.14	0.479	0.19	0.7	171
D002792		42.3	<0.002	0.03	0.98	27.1	<1	1.0	165.5	0.48	<0.05	3.54	0.458	0.28	1.2	156
D002793		32.0	<0.002	0.01	0.89	31.7	<1	0.9	150.5	0.42	<0.05	2.77	0.492	0.22	0.9	166
D002794		74.1	<0.002	0.02	2.94	16.4	1	1.5	158.5	0.70	0.08	7.03	0.358	0.59	2.1	152
D002795		65.3	<0.002	0.03	1.98	17.2	1	1.4	208	0.60	<0.05	6.73	0.367	0.49	2.0	136
D002796		67.8	<0.002	0.03	3.60	14.2	<1	1.4	156.5	0.55	0.09	5.73	0.331	0.54	1.9	145
D002797		72.0	<0.002	0.03	5.43	13.6	<1	1.6	147.0	0.54	0.08	6.40	0.294	0.63	2.2	128
D002798		86.6	<0.002	0.05	6.88	14.0	2	1.7	113.0	0.54	0.06	8.34	0.300	0.78	3.0	191
D002799		82.2	<0.002	0.02	3.99	15.8	1	1.6	145.0	0.69	<0.05	9.52	0.362	0.67	2.5	163
D002800		101.5	<0.002	0.03	4.17	15.6	2	2.4	184.5	0.93	0.07	12.40	0.410	0.90	3.4	173
D002801		76.1	<0.002	0.02	2.05	15.7	1	1.6	189.0	0.64	<0.05	8.89	0.348	0.58	2.5	146
D002802		86.8	<0.002	0.01	2.65	14.7	1	1.8	151.0	0.77	<0.05	11.05	0.328	0.70	2.5	132
D002803		76.1	<0.002	0.02	1.90	15.8	<1	1.3	162.5	0.60	<0.05	6.63	0.361	0.57	2.1	132
D002804		77.1	<0.002	0.01	1.53	15.7	<1	1.4	158.5	0.68	<0.05	9.21	0.336	0.54	2.2	131
D002805		97.1	<0.002	0.01	1.68	11.6	<1	1.5	148.5	1.59	<0.05	14.40	0.298	0.72	7.6	112
D002806		61.8	<0.002	0.01	1.50	16.4	<1	1.2	186.0	0.63	<0.05	9.15	0.375	0.48	1.9	145
D002807		71.9	<0.002	0.01	1.12	17.2	<1	1.2	186.5	0.71	<0.05	6.08	0.389	0.47	1.8	135
D002808		79.7	<0.002	0.01	1.25	17.3	1	1.3	186.5	0.74	<0.05	8.96	0.361	0.59	2.8	129



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Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Au-ICP21
		W ppm 0.1	Y ppm 0.1	Zn ppm 2	Zr ppm 0.5	Au ppm 0.001
D002769		15.9	8.5	77	74.9	0.002
D002770		6.4	14.3	157	79.8	<0.001
D002771		13.0	17.7	452	94.9	0.002
D002772		4.6	25.3	1295	136.5	0.001
D002773		3.4	20.3	435	85.4	0.003
D002774		4.2	28.6	835	129.0	0.004
D002775		2.1	21.2	300	73.2	0.003
D002776		1.1	13.9	82	44.4	<0.001
D002777		1.3	13.9	76	46.4	<0.001
D002778		1.0	15.0	93	41.5	0.001
D002779		1.2	15.7	131	44.1	<0.001
D002780		0.9	13.7	140	36.1	<0.001
D002781		0.9	13.5	99	45.5	<0.001
D002782		1.0	19.1	77	39.1	<0.001
D002783		1.3	17.0	89	43.4	<0.001
D002784		2.8	21.4	73	43.2	<0.001
D002785		0.9	22.9	72	46.6	0.002
D002786		1.1	17.2	84	47.2	0.001
D002787		0.9	22.9	72	41.2	<0.001
D002788		0.6	17.1	46	19.6	0.001
D002789		1.1	14.2	48	40.9	<0.001
D002790		1.0	19.3	52	20.2	<0.001
D002791		0.9	17.9	51	18.5	<0.001
D002792		1.1	16.4	56	36.4	<0.001
D002793		0.8	18.6	48	24.4	0.002
D002794		1.3	15.3	114	56.7	<0.001
D002795		1.0	14.2	89	44.5	<0.001
D002796		1.1	13.6	127	49.1	0.001
D002797		1.2	15.9	121	56.0	0.002
D002798		1.4	14.6	229	76.9	<0.001
D002799		1.3	14.3	133	74.4	0.001
D002800		2.1	16.3	196	121.0	<0.001
D002801		3.9	16.9	128	59.9	0.001
D002802		1.3	13.9	111	67.2	<0.001
D002803		1.1	13.3	85	53.8	0.004
D002804		1.1	14.6	94	63.1	<0.001
D002805		1.6	18.6	87	74.3	<0.001
D002806		0.9	15.1	84	47.1	0.002
D002807		1.1	14.7	72	51.8	<0.001
D002808		1.1	18.3	77	55.1	0.001



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Sample Description	Method	WEI-21	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
	Analyte	Recvd Wt.	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe	
Units		kg	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	
LOD		0.02	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01	
D002809		0.43	0.12	6.23	9.5	900	1.82	0.14	2.38	0.25	41.4	12.2	97	3.99	16.2	3.34	
D002810		0.44	0.12	6.63	8.5	980	1.64	0.24	2.22	0.21	41.2	13.8	104	8.99	14.9	3.45	
D002811		0.45	0.12	7.44	14.0	1030	1.97	0.41	1.91	0.34	45.8	13.2	89	11.20	20.0	3.47	
D002812		0.52	0.15	7.11	19.6	1050	1.41	0.21	2.42	0.37	32.9	16.6	115	5.69	22.6	4.28	
D002813		0.46	0.07	7.15	9.6	790	1.24	0.17	3.37	0.41	29.7	17.0	154	4.69	15.2	4.31	
D002814		0.43	0.16	7.28	43.0	840	1.94	0.20	3.52	0.47	37.5	16.2	152	15.30	17.4	3.95	
D002815		0.44	0.17	7.62	10.6	1040	1.44	0.19	3.13	0.23	32.3	18.7	167	9.08	21.1	4.55	
D002816		0.70	0.11	7.32	6.8	750	1.24	0.13	4.06	0.22	34.1	19.0	187	3.10	17.2	4.22	
D002817		0.62	0.04	7.65	5.9	560	1.16	0.10	4.96	0.21	27.6	23.8	222	2.33	22.1	4.67	
D002818		0.43	0.33	7.37	14.8	780	1.32	0.18	3.76	0.17	31.7	19.6	193	9.53	23.3	4.45	
D002819		0.59	0.12	7.49	11.6	670	1.20	0.11	4.59	0.21	30.5	21.4	217	10.75	15.6	4.49	
D002820		0.53	0.63	7.89	169.0	1670	2.69	1.72	0.32	1.12	71.1	8.8	87	28.8	48.7	4.07	
D002821		0.46	2.34	8.99	1215	2050	2.59	0.96	0.38	6.79	74.5	12.4	124	35.8	47.7	5.13	
D002822		0.50	0.24	8.06	68.9	1480	2.39	0.91	0.30	1.69	77.3	13.3	108	26.4	32.7	3.93	
D002823		0.55	1.19	7.33	147.5	1700	1.65	4.07	7.33	0.70	8.83	50.8	4.2	83	10.65	83.4	5.04
D002824		0.60	1.18	6.94	78.9	1360	1.57	2.45	0.98	5.63	67.7	6.9	75	23.6	52.8	4.03	
D002825		0.57	0.81	7.06	103.5	1520	1.65	4.12	0.91	0.87	63.2	5.2	74	7.32	63.0	4.05	
D002826		0.53	0.65	8.81	130.0	1890	2.25	3.12	0.50	1.52	90.7	14.0	124	18.75	96.6	5.66	
D002827		0.43	0.77	7.07	107.5	1280	1.43	2.01	0.94	0.82	51.2	6.6	82	8.32	39.4	3.75	
D002828		0.56	0.51	6.62	79.1	1120	1.61	1.94	0.91	1.67	57.2	7.9	87	6.26	48.8	3.59	
D002829		0.47	0.16	7.90	36.4	950	1.40	0.51	0.22	0.94	62.1	14.0	41	5.67	21.1	4.13	
D002830		0.44	0.26	6.28	77.3	1010	1.50	0.86	0.43	0.37	48.4	4.6	92	11.05	59.4	5.94	
D002831		0.60	0.30	8.76	54.2	1140	2.47	0.69	0.34	2.37	81.6	29.9	98	9.55	49.6	4.98	
D002832		0.53	0.22	7.93	42.0	2020	2.92	0.41	0.30	1.32	92.4	6.7	78	10.65	13.2	2.75	
D002833		0.54	0.49	8.04	27.0	2860	2.35	0.34	0.41	1.84	83.1	12.2	80	11.75	27.2	3.73	
D002834		0.54	0.70	7.87	116.5	1540	2.27	0.29	0.32	1.54	109.5	11.2	69	20.8	20.0	3.76	
D002835		0.50	0.83	10.35	26.5	2940	3.03	0.29	0.25	1.12	82.1	13.7	87	27.1	66.2	4.89	
D002836		0.55	0.63	8.37	165.5	1370	2.02	0.60	0.35	1.99	67.1	15.7	121	22.4	64.8	5.58	
D002837		0.58	0.93	7.39	152.5	1130	1.67	0.61	0.57	1.76	57.5	17.9	146	8.92	54.9	5.04	
D002838		0.45	0.58	7.70	70.0	980	1.48	0.33	1.52	1.17	41.2	13.4	102	22.8	48.0	4.25	
D002839		0.41	2.74	10.15	142.0	1000	2.15	0.65	0.54	3.22	72.5	22.8	159	14.60	83.3	5.54	
D002840		0.56	0.56	8.78	40.4	1080	1.88	0.47	0.71	0.54	69.0	16.6	142	9.84	80.3	5.22	
D002841		0.51	1.12	8.90	87.3	1330	1.20	0.29	0.35	1.44	34.7	21.7	34	12.55	93.1	7.95	
D002842		0.50	12.90	8.34	709	1570	1.56	12.60	0.86	14.60	51.0	23.8	107	15.40	98.9	8.21	
D002843		0.48	0.06	7.83	8.1	380	0.88	0.16	3.94	0.17	20.8	29.8	304	7.69	56.2	4.92	
D002844		0.35	0.08	7.62	6.2	300	0.68	0.19	4.31	0.16	16.50	29.6	434	5.64	83.5	4.57	
D002845		0.54	0.04	7.42	5.7	350	1.00	0.16	4.93	0.20	21.8	32.6	299	3.60	46.7	5.00	
D002846		0.51	0.06	7.42	5.0	370	1.03	0.15	5.23	0.19	22.1	31.8	312	2.88	41.6	5.04	
D002847		0.53	0.04	7.59	4.9	250	0.72	0.12	5.69	0.19	15.35	37.9	363	2.02	49.4	5.38	
D002848		0.58	0.02	7.17	4.7	300	0.91	0.12	5.12	0.18	22.3	32.6	309	2.91	34.1	4.88	



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Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P	Pb
		ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm
		0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10	0.5
D002809		11.40	0.10	1.2	0.044	1.33	21.5	24.9	1.34	610	2.57	1.92	8.3	33.2	850	10.9
D002810		14.55	0.11	1.6	0.050	1.57	22.2	30.9	1.27	685	1.43	1.60	16.0	29.5	1100	15.1
D002811		14.45	0.11	1.7	0.055	1.87	22.2	32.4	1.31	765	1.53	1.87	13.6	29.5	630	18.5
D002812		14.00	0.14	1.5	0.050	1.53	16.8	29.0	1.67	728	2.17	1.87	9.3	40.2	670	16.4
D002813		13.40	0.14	1.3	0.048	1.33	14.7	25.9	2.10	656	1.18	1.87	9.2	49.9	470	11.3
D002814		13.70	0.15	1.6	0.049	1.43	21.8	29.8	1.97	736	1.27	1.85	9.3	48.2	590	14.8
D002815		14.55	0.15	1.3	0.055	1.32	17.6	37.9	2.33	766	1.23	1.82	8.3	60.0	950	10.5
D002816		13.30	0.17	1.2	0.053	1.23	17.1	25.0	2.52	716	0.91	2.07	8.3	60.9	880	9.0
D002817		13.45	0.15	1.2	0.054	1.00	13.5	20.1	3.14	794	0.65	2.09	6.3	77.6	690	8.1
D002818		14.45	0.16	1.5	0.053	1.18	18.2	33.9	2.53	803	1.45	1.86	7.4	67.5	1080	9.3
D002819		13.85	0.13	1.2	0.060	1.06	15.6	26.0	2.90	779	1.04	1.92	7.4	69.9	720	8.9
D002820		17.80	0.17	3.2	0.167	2.52	37.3	46.6	0.86	534	13.40	1.49	10.3	37.4	540	108.5
D002821		21.1	0.18	3.8	0.219	3.47	39.7	95.3	0.85	1005	17.45	0.98	8.5	62.5	950	586
D002822		18.60	0.18	3.7	0.113	2.95	36.4	46.2	0.95	1235	8.66	1.69	12.4	54.3	720	67.0
D002823		16.50	0.16	2.2	0.293	2.53	27.2	33.7	1.03	273	40.7	0.94	6.9	22.7	580	119.5
D002824		14.00	0.18	2.1	0.199	2.45	39.4	55.6	0.91	362	43.5	1.29	9.5	38.3	570	141.5
D002825		15.25	0.17	2.1	0.326	2.47	34.3	31.0	0.99	287	45.5	1.27	9.6	22.9	480	112.0
D002826		21.2	0.18	2.9	0.282	2.66	36.0	47.1	1.15	430	19.00	0.96	8.0	83.8	1260	78.3
D002827		14.70	0.15	2.2	0.160	2.19	26.8	31.9	0.89	532	22.3	1.45	8.4	23.9	1280	117.0
D002828		13.10	0.15	2.0	0.124	2.03	29.5	33.8	1.03	380	16.50	1.35	8.9	28.3	550	79.6
D002829		15.50	0.17	3.0	0.104	1.16	27.6	24.3	0.76	1255	5.60	3.54	4.9	29.5	830	28.8
D002830		14.75	0.17	2.5	0.094	1.59	25.8	33.4	0.79	211	9.76	0.98	7.9	18.8	1760	46.7
D002831		22.4	0.17	2.7	0.091	2.84	29.5	48.9	1.72	849	4.77	1.36	9.8	103.5	680	46.2
D002832		19.75	0.19	4.1	0.055	3.01	47.8	34.9	0.69	1135	2.83	1.65	20.9	25.3	670	29.5
D002833		18.90	0.19	3.7	0.068	3.34	43.4	39.7	0.95	837	6.40	1.36	13.0	49.6	740	68.5
D002834		18.85	0.23	3.6	0.062	2.66	68.3	58.5	0.77	1345	4.32	2.01	17.6	37.3	590	50.2
D002835		24.4	0.22	5.6	0.080	3.97	40.0	216	0.84	716	7.92	0.81	11.2	63.7	620	33.7
D002836		18.05	0.19	3.3	0.079	2.33	35.0	75.6	0.81	603	4.06	1.07	8.0	69.6	1140	124.5
D002837		15.10	0.17	2.2	0.089	1.98	29.5	47.6	1.06	683	2.74	1.00	7.9	66.0	970	217
D002838		15.40	0.16	1.7	0.064	1.60	23.7	62.8	1.36	880	2.00	1.72	9.3	33.3	940	65.1
D002839		24.6	0.18	3.7	0.104	2.89	36.8	65.7	1.50	723	3.53	0.75	8.0	79.3	1120	272
D002840		22.0	0.18	3.3	0.075	2.52	36.0	40.5	1.34	665	2.78	1.14	10.0	69.7	1940	79.3
D002841		20.0	0.17	2.0	0.093	1.41	16.6	348	0.40	2050	4.63	1.42	2.8	30.2	1150	76.2
D002842		16.10	0.18	2.5	0.160	2.52	25.3	37.5	1.05	3660	12.55	0.77	6.3	71.7	1260	2820
D002843		13.20	0.13	0.9	0.052	0.84	10.0	32.0	3.80	841	0.68	1.55	5.3	115.0	440	12.1
D002844		12.50	0.13	0.8	0.041	0.71	7.9	30.0	4.21	788	0.64	1.46	4.1	128.5	540	9.3
D002845		13.35	0.15	1.1	0.050	0.74	10.8	22.5	4.19	892	0.46	1.58	7.0	113.5	520	7.8
D002846		13.15	0.15	1.0	0.053	0.73	10.8	21.3	4.43	1035	0.79	1.59	5.3	111.5	610	7.2
D002847		12.40	0.14	0.8	0.052	0.54	7.0	22.4	5.16	948	0.39	1.48	4.2	139.0	530	5.5
D002848		13.70	0.10	0.9	0.056	0.70	10.6	22.5	3.91	830	0.40	1.54	5.7	106.0	350	7.0



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Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Rb ppm	Re ppm	S %	Sb ppm	Sc ppm	Se ppm	Sn ppm	Sr ppm	Ta ppm	Te ppm	Th ppm	Ti %	Tl ppm	U ppm	V ppm
		0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1	1
D002809		58.7	<0.002	0.02	1.08	16.0	1	1.0	183.5	0.60	<0.05	6.68	0.383	0.45	2.4	133
D002810		80.3	<0.002	0.04	1.00	17.7	1	1.5	205	1.59	0.05	9.14	0.387	0.56	2.9	132
D002811		85.8	<0.002	0.01	1.16	15.6	<1	1.5	182.5	0.97	0.05	10.45	0.367	0.66	2.7	130
D002812		65.4	<0.002	0.01	1.64	20.0	1	1.5	183.0	0.68	0.05	6.43	0.430	0.61	2.0	167
D002813		57.1	<0.002	0.02	1.20	21.9	<1	1.3	194.5	0.71	<0.05	5.30	0.465	0.48	1.7	165
D002814		60.7	<0.002	0.03	1.36	22.9	1	1.4	222	0.71	<0.05	7.50	0.437	0.51	3.6	154
D002815		67.3	<0.002	0.02	1.17	24.8	1	1.6	198.0	0.67	<0.05	5.56	0.461	0.52	2.6	175
D002816		50.1	<0.002	0.01	1.08	25.5	<1	1.3	226	0.61	<0.05	4.74	0.514	0.39	2.3	170
D002817		41.3	<0.002	<0.01	1.08	30.5	<1	1.2	193.5	0.49	<0.05	3.70	0.552	0.35	1.4	188
D002818		49.3	0.005	0.05	0.85	24.6	1	1.3	263	0.54	<0.05	5.24	0.461	0.39	6.5	155
D002819		42.9	<0.002	0.01	1.12	30.4	<1	1.3	186.5	0.55	<0.05	4.91	0.569	0.41	2.5	182
D002820		109.0	<0.002	0.11	19.45	15.6	2	2.3	89.2	0.67	0.30	17.85	0.261	1.24	10.1	192
D002821		162.0	<0.002	0.11	34.4	17.6	3	4.0	102.0	0.51	0.28	13.95	0.242	2.16	6.0	256
D002822		113.5	<0.002	0.05	7.78	13.6	1	2.3	69.4	0.71	0.20	13.70	0.279	1.01	3.4	146
D002823		100.5	0.002	0.31	17.70	16.6	3	2.6	155.0	0.46	0.93	8.46	0.278	1.21	4.9	206
D002824		92.5	<0.002	0.21	12.65	14.8	2	2.6	190.0	0.68	0.41	10.40	0.307	0.96	5.5	146
D002825		99.1	<0.002	0.25	19.60	16.7	2	3.1	183.0	0.69	1.04	10.40	0.332	1.11	3.9	170
D002826		117.5	<0.002	0.13	17.55	21.4	3	2.5	105.5	0.51	0.76	11.65	0.320	1.16	4.2	251
D002827		90.7	<0.002	0.14	14.00	13.6	1	2.2	189.0	0.59	0.32	8.40	0.322	0.87	2.9	151
D002828		85.5	<0.002	0.14	7.77	14.4	2	2.3	133.5	0.64	0.32	7.99	0.331	0.88	3.0	148
D002829		52.3	<0.002	0.04	5.22	13.8	3	1.6	83.1	0.34	0.12	11.55	0.144	0.64	3.5	106
D002830		72.8	<0.002	0.09	10.35	13.3	5	1.8	91.7	0.53	0.18	10.10	0.243	0.82	2.8	171
D002831		130.0	<0.002	0.04	4.88	17.4	3	2.8	81.5	0.62	0.10	12.10	0.318	1.05	3.3	166
D002832		126.5	<0.002	0.02	4.52	10.8	1	2.4	58.3	0.89	<0.05	15.70	0.228	0.92	4.3	80
D002833		131.0	<0.002	0.04	4.91	13.4	2	2.2	59.8	0.68	0.05	12.40	0.267	1.11	3.7	183
D002834		105.5	<0.002	0.02	6.01	13.3	1	2.4	70.5	1.06	0.05	16.80	0.281	0.92	7.2	83
D002835		157.0	<0.002	0.02	1.91	19.4	3	2.8	69.5	0.66	0.09	18.20	0.252	2.10	6.2	299
D002836		106.0	<0.002	0.03	7.04	18.4	3	2.0	82.8	0.50	0.18	11.85	0.280	1.09	5.0	248
D002837		84.3	<0.002	0.04	5.94	17.4	2	1.9	87.4	0.79	0.17	8.94	0.263	0.82	2.7	191
D002838		66.5	<0.002	0.04	2.50	21.6	1	1.6	183.0	0.65	0.07	6.00	0.352	0.60	4.4	169
D002839		124.0	<0.002	0.04	14.25	25.2	2	2.9	90.7	0.46	0.15	11.85	0.340	1.08	3.1	270
D002840		102.5	<0.002	0.06	3.90	21.1	2	1.8	172.5	0.59	0.15	10.90	0.410	0.86	3.2	220
D002841		54.8	<0.002	0.02	7.80	33.0	2	1.2	67.0	0.20	0.13	4.10	0.314	1.53	2.5	217
D002842		113.0	<0.002	0.17	23.2	25.6	6	5.5	73.0	0.43	0.24	7.90	0.330	2.74	4.1	281
D002843		27.9	<0.002	0.02	1.28	28.8	<1	1.1	136.0	0.41	<0.05	3.73	0.459	0.34	1.0	166
D002844		26.1	<0.002	0.03	1.10	32.3	<1	0.8	139.0	0.34	<0.05	2.52	0.404	0.26	0.9	153
D002845		34.5	<0.002	0.02	0.88	33.1	<1	1.2	144.0	0.72	<0.05	3.92	0.501	0.30	1.3	168
D002846		32.6	<0.002	0.02	0.83	33.0	<1	1.0	148.5	0.43	<0.05	3.32	0.498	0.27	1.0	175
D002847		25.1	<0.002	0.01	0.77	35.4	<1	0.9	130.0	0.34	<0.05	2.20	0.483	0.21	0.8	180
D002848		36.4	<0.002	0.01	0.84	31.2	<1	1.2	147.0	0.41	<0.05	3.40	0.501	0.27	1.1	172



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Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Au-ICP21
		W ppm 0.1	Y ppm 0.1	Zn ppm 2	Zr ppm 0.5	Au ppm 0.001
D002809		0.9	16.1	74	40.4	0.001
D002810		1.4	21.3	82	54.6	<0.001
D002811		1.4	18.3	97	56.6	<0.001
D002812		1.1	15.5	102	45.4	0.001
D002813		4.3	16.0	77	36.4	<0.001
D002814		4.5	25.7	96	46.9	0.050
D002815		1.0	21.3	115	40.7	<0.001
D002816		0.8	20.5	71	37.0	<0.001
D002817		0.8	21.9	66	33.9	0.001
D002818		0.9	25.0	94	49.2	0.001
D002819		1.0	24.2	75	34.8	<0.001
D002820		5.7	16.2	267	105.0	0.002
D002821		4.6	14.3	659	131.0	0.023
D002822		3.5	12.8	266	121.0	0.001
D002823		17.2	11.9	208	75.6	0.003
D002824		9.7	22.3	1070	72.1	0.002
D002825		15.6	13.8	200	74.0	<0.001
D002826		10.1	18.4	509	107.0	0.003
D002827		6.9	11.0	192	84.6	0.002
D002828		9.4	12.4	297	71.2	0.001
D002829		1.5	11.6	235	103.0	<0.001
D002830		3.0	7.9	139	89.2	<0.001
D002831		2.0	11.0	332	96.5	<0.001
D002832		3.2	15.2	164	122.5	<0.001
D002833		1.8	14.2	266	121.0	0.001
D002834		1.9	31.9	241	113.0	0.002
D002835		2.6	22.6	302	184.5	0.002
D002836		2.0	12.8	405	123.0	0.007
D002837		2.1	10.2	318	81.3	0.007
D002838		1.5	15.8	250	61.2	0.002
D002839		1.5	8.9	380	135.0	0.004
D002840		1.5	10.0	183	127.5	0.002
D002841		1.9	17.8	313	93.2	0.003
D002842		1.6	18.2	1585	88.1	0.021
D002843		4.6	15.2	63	25.5	<0.001
D002844		0.8	12.6	58	23.4	0.001
D002845		1.0	18.9	61	30.2	<0.001
D002846		0.8	17.5	67	26.2	<0.001
D002847		0.7	16.1	62	20.3	<0.001
D002848		0.7	20.1	59	33.1	<0.001



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Sample Description	Method	WEI-21	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe
Units		kg	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%
LOD		0.02	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01
D002849		0.67	0.05	7.23	4.7	380	1.23	0.13	4.77	0.16	29.2	28.6	282	2.75	41.9	4.40
D002850		0.56	0.04	7.08	8.9	250	0.64	0.10	5.48	0.09	19.35	37.1	373	2.11	37.3	4.30
D002851		0.53	0.11	6.63	9.5	570	1.28	0.28	2.79	0.20	26.9	25.1	194	10.75	77.9	4.95
D002852		0.50	0.07	6.48	4.4	500	1.22	0.25	3.54	0.26	24.2	25.7	167	4.26	46.9	5.21
D002853		0.54	0.06	6.24	4.5	540	1.07	0.21	3.17	0.19	33.0	22.9	189	3.87	35.3	4.54
D002854		0.56	0.05	6.82	7.0	390	0.78	0.15	4.39	0.14	21.2	34.4	301	4.30	41.7	5.07
D002855		0.52	0.20	7.15	11.6	280	0.65	0.13	4.65	0.18	15.95	43.0	345	4.56	93.6	5.24
D002856		0.53	0.15	5.55	4.3	790	0.88	0.17	2.63	0.53	27.1	21.0	178	5.66	23.8	4.07
D002857		0.44	0.08	6.97	13.6	930	0.56	0.07	1.51	0.19	20.7	21.9	174	5.23	20.9	4.34
D002858		0.53	0.07	5.43	7.6	1890	0.87	0.08	1.32	0.24	28.3	15.7	104	7.60	29.5	3.11
D002859		0.44	0.15	6.26	4.5	550	1.13	0.26	3.64	0.65	28.4	24.4	183	5.75	37.7	5.37
D002860		0.51	0.07	6.64	6.3	550	1.25	0.22	3.74	0.51	29.2	26.5	212	3.94	43.6	5.47
D002861		0.62	0.07	6.48	5.9	560	1.18	0.26	3.67	0.39	27.2	26.9	192	4.17	40.3	5.19
D002862		0.55	0.11	6.63	9.6	660	1.06	0.15	3.70	0.37	31.0	20.1	250	3.53	25.7	4.04
D002863		0.59	0.06	7.06	10.6	420	0.82	0.15	4.07	0.26	23.6	37.7	289	3.66	78.4	5.41
D002864		0.41	1.48	6.90	260	1020	1.67	1.83	2.01	5.82	58.8	17.4	82	15.35	61.1	4.28
D002865		0.53	0.51	6.84	221	910	1.41	0.29	2.22	1.25	46.1	24.6	127	13.45	93.7	5.17
D002866		0.62	0.09	6.95	16.4	1410	1.14	0.12	1.88	0.61	27.8	21.1	107	5.30	45.9	4.50
D002867		0.65	0.05	6.89	12.2	1000	1.09	0.13	2.55	0.51	30.4	18.2	129	4.39	23.3	4.77
D002868		0.61	0.07	6.89	10.6	1360	1.07	0.11	2.08	0.80	30.9	17.3	102	3.27	31.3	4.26
D002869		0.58	0.05	6.93	9.0	1000	1.21	0.11	3.16	0.34	30.2	19.2	139	3.40	22.6	4.11
D002870		0.53	0.06	6.71	12.6	860	1.28	0.12	3.48	0.21	31.1	20.3	164	4.96	24.0	4.11
D002871		0.50	0.10	7.36	18.0	830	1.36	0.21	2.84	0.19	36.4	24.0	192	12.65	54.9	4.84
D002872		0.36	0.10	6.73	13.4	810	1.12	0.15	3.27	0.22	32.4	19.4	162	7.07	30.6	4.01
D002873		0.62	0.10	7.03	19.8	860	1.30	0.15	3.10	0.23	33.6	21.9	178	10.75	33.8	4.54
D002874		0.47	0.10	6.84	10.8	690	1.28	0.14	3.74	0.31	28.5	21.2	194	8.79	26.3	4.01
D002875		0.53	0.12	6.68	11.1	840	1.13	0.07	3.52	0.19	37.6	20.7	156	5.35	24.5	4.03
D002876		0.51	0.07	6.65	6.4	590	1.08	0.13	4.18	0.19	35.5	24.0	197	2.90	28.4	4.43
D002877		0.59	0.05	6.77	4.9	580	1.03	0.10	4.42	0.19	30.3	24.4	197	2.36	25.2	4.18
D002878		0.62	0.08	6.72	6.2	640	1.12	0.11	4.36	0.22	38.5	22.7	178	2.59	42.0	4.26
D002879		0.39	0.03	6.77	5.1	480	1.38	0.12	4.48	0.16	26.4	22.1	207	2.28	40.2	4.14
D002880		0.44	0.27	6.80	23.0	730	1.43	0.18	3.12	0.13	43.7	21.3	216	6.14	77.2	3.91
D002881		0.75	0.02	7.19	4.4	340	0.85	0.09	5.34	0.16	22.1	29.0	296	2.42	38.5	4.67
D002882		0.66	0.07	7.15	5.0	390	1.06	0.20	4.61	0.16	26.3	28.8	297	3.24	53.6	4.76
D002883		0.65	0.09	6.83	5.0	450	1.50	0.14	4.20	0.20	28.9	21.8	213	2.98	32.8	4.19
D002884		0.60	0.14	7.26	8.1	540	1.14	0.18	4.67	0.19	29.7	36.5	299	3.60	64.3	5.28
D002885		0.48	0.08	7.57	7.7	440	1.25	0.19	4.25	0.25	23.0	40.7	325	3.91	108.5	5.64
D002886		0.52	0.06	7.39	6.6	410	1.11	0.16	4.66	0.19	23.8	36.5	336	3.24	84.4	5.47
D002887		0.53	0.08	7.56	8.3	400	0.82	0.15	5.31	0.18	24.7	39.7	318	3.99	123.5	5.53
D002888		0.69	0.04	7.40	3.4	260	0.68	0.08	6.32	0.10	15.00	36.4	344	1.76	52.5	5.18



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Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Ga ppm	Ge ppm	Hf ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Ni ppm	P ppm	Pb ppm
D002849		13.20	0.11	1.0	0.053	0.86	14.1	24.0	3.52	778	0.40	1.67	6.5	96.3	390	8.0
D002850		11.35	0.09	0.7	0.037	0.60	9.4	21.4	5.27	853	0.40	1.50	4.6	147.5	160	5.5
D002851		14.65	0.10	1.1	0.064	0.99	12.9	30.3	2.81	913	1.36	1.37	8.7	82.1	860	9.7
D002852		13.50	0.09	1.2	0.059	0.93	12.2	23.6	2.92	862	1.33	1.58	7.3	71.1	690	8.8
D002853		14.65	0.11	1.1	0.060	0.96	16.5	21.0	2.61	738	1.18	1.58	8.5	72.2	630	8.6
D002854		13.70	0.12	0.8	0.050	0.75	10.4	24.8	4.31	913	0.67	1.42	5.6	119.0	510	7.0
D002855		12.70	0.10	0.6	0.053	0.59	7.1	30.1	5.13	996	0.49	1.34	4.2	160.0	280	5.3
D002856		12.40	0.09	0.9	0.046	0.96	14.0	17.2	2.53	1165	0.76	1.30	6.8	53.9	1880	8.5
D002857		12.20	0.11	1.0	0.049	1.91	15.7	26.1	6.19	827	1.39	1.18	3.5	58.3	580	3.3
D002858		10.55	0.10	0.9	0.044	1.23	16.9	40.2	5.36	699	0.40	0.55	6.8	40.7	470	5.8
D002859		14.15	0.10	1.2	0.059	0.91	15.6	23.5	2.98	853	1.70	1.50	10.0	76.4	730	9.3
D002860		13.75	0.11	1.1	0.060	0.89	14.5	25.9	3.34	842	1.41	1.55	6.6	87.1	680	8.9
D002861		13.45	0.10	1.2	0.062	0.92	13.5	24.9	3.05	883	1.25	1.57	8.1	78.2	770	13.6
D002862		13.40	0.09	1.1	0.052	1.07	15.3	22.7	2.70	643	1.44	1.53	9.2	78.1	680	11.0
D002863		13.90	0.11	0.8	0.063	0.76	11.6	29.5	4.30	945	0.74	1.53	5.9	120.5	300	8.2
D002864		15.50	0.13	1.2	0.447	1.73	28.8	48.6	1.41	832	13.00	1.44	10.1	33.8	710	348
D002865		14.60	0.13	1.6	0.075	1.37	24.2	39.4	1.96	661	7.09	1.42	6.2	68.3	700	63.2
D002866		13.80	0.10	1.2	0.064	1.24	13.7	34.1	1.65	735	2.56	1.88	5.7	56.0	690	9.9
D002867		13.95	0.11	1.1	0.064	1.13	14.9	27.2	1.87	685	1.99	1.80	6.3	42.4	680	9.5
D002868		13.30	0.10	1.0	0.057	1.07	15.7	24.9	1.58	670	2.60	2.18	6.1	37.2	470	9.3
D002869		13.25	0.11	1.0	0.052	1.19	14.9	22.8	1.98	705	1.34	2.07	6.7	43.7	690	9.0
D002870		13.50	0.10	1.1	0.054	1.15	15.2	24.6	2.34	754	0.98	1.90	7.2	56.5	480	9.3
D002871		16.00	0.12	1.3	0.060	1.14	18.0	36.6	2.11	845	1.73	1.37	8.7	64.2	1780	11.5
D002872		14.65	0.10	1.1	0.057	1.23	15.8	25.9	2.22	639	1.22	1.72	7.2	56.6	710	10.4
D002873		15.50	0.10	1.1	0.063	1.24	16.4	30.9	2.29	817	1.36	1.64	8.4	61.8	910	11.2
D002874		14.45	0.11	1.2	0.052	1.08	15.1	24.3	2.45	789	1.00	1.66	7.5	64.6	770	9.5
D002875		13.95	0.11	1.2	0.051	1.33	18.1	24.8	2.25	702	0.76	1.94	8.9	52.0	810	8.6
D002876		13.35	0.12	1.2	0.057	0.97	17.1	21.1	2.79	738	0.94	1.73	6.8	71.4	660	8.3
D002877		13.05	0.11	1.0	0.057	0.94	14.6	18.8	2.94	725	0.69	1.83	6.2	71.7	680	7.2
D002878		13.55	0.12	1.2	0.059	0.98	19.3	18.2	2.64	772	0.90	1.83	7.1	65.3	820	7.8
D002879		12.70	0.10	1.1	0.054	0.91	12.7	16.6	2.50	726	0.51	1.73	5.6	60.1	780	7.2
D002880		11.65	0.13	1.2	0.054	1.05	24.1	32.8	1.96	721	1.44	1.55	7.7	70.1	2110	8.8
D002881		13.10	0.09	0.8	0.061	0.67	10.6	18.3	3.78	753	0.50	1.70	5.5	102.0	520	5.7
D002882		13.45	0.10	1.0	0.056	0.76	12.8	23.0	3.60	743	0.57	1.58	6.8	98.1	540	7.0
D002883		13.00	0.09	1.5	0.057	0.94	14.3	18.4	2.29	651	0.72	1.65	6.5	57.1	670	8.0
D002884		16.50	0.13	1.1	0.057	0.87	13.7	34.6	4.00	871	2.73	1.64	6.5	117.0	630	10.8
D002885		16.55	0.11	1.0	0.061	0.81	9.0	31.5	4.29	898	1.02	1.53	6.0	134.0	580	7.5
D002886		15.80	0.11	1.0	0.057	0.77	9.5	27.7	4.37	908	0.85	1.57	6.2	137.0	430	7.4
D002887		16.45	0.11	1.3	0.053	0.67	10.3	26.3	4.03	965	0.98	1.49	5.0	115.5	690	6.1
D002888		13.95	0.09	0.8	0.049	0.49	6.3	18.1	5.12	911	0.59	1.59	3.8	131.0	220	4.4



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Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Rb ppm	Re ppm	S %	Sb ppm	Sc ppm	Se ppm	Sn ppm	Sr ppm	Ta ppm	Te ppm	Th ppm	Ti %	Tl ppm	U ppm	V ppm
D002849		41.1	<0.002	0.01	0.82	27.4	<1	1.1	166.5	0.49	<0.05	5.28	0.459	0.28	1.4	160
D002850		21.1	<0.002	0.01	0.79	32.0	3	0.6	130.5	0.35	<0.05	2.67	0.383	0.21	0.9	145
D002851		52.1	<0.002	0.05	0.87	25.7	<1	1.3	140.0	0.66	<0.05	4.64	0.477	0.42	1.9	203
D002852		46.6	<0.002	0.04	0.68	25.7	<1	1.2	155.0	0.62	<0.05	5.20	0.545	0.36	1.8	240
D002853		42.7	<0.002	0.04	0.73	23.2	<1	1.2	178.0	0.62	<0.05	5.67	0.511	0.34	1.5	202
D002854		36.2	<0.002	0.03	0.68	29.8	<1	0.9	140.5	0.45	<0.05	3.20	0.469	0.27	1.0	189
D002855		22.0	<0.002	0.01	0.62	32.4	2	0.8	119.5	0.31	<0.05	1.98	0.437	0.22	0.7	179
D002856		52.4	<0.002	0.09	0.69	21.0	<1	1.1	129.5	0.48	<0.05	3.60	0.424	0.28	1.5	141
D002857		26.7	<0.002	0.04	0.39	25.1	<1	0.7	55.9	0.24	<0.05	1.81	0.470	0.25	1.3	172
D002858		37.1	<0.002	0.01	0.64	15.1	<1	0.7	58.5	0.45	<0.05	2.74	0.373	0.49	0.7	124
D002859		51.4	<0.002	0.03	0.76	26.6	<1	1.3	146.0	0.89	<0.05	4.36	0.582	0.35	1.5	235
D002860		46.1	<0.002	0.03	0.78	27.7	<1	1.1	142.0	0.51	<0.05	4.52	0.548	0.31	1.6	225
D002861		47.3	<0.002	0.03	0.76	26.7	<1	1.1	153.5	0.58	<0.05	3.99	0.550	0.32	1.6	225
D002862		42.9	<0.002	0.02	0.89	22.8	<1	1.1	190.5	0.64	<0.05	4.52	0.439	0.34	1.4	146
D002863		31.0	<0.002	0.02	0.73	30.1	<1	1.0	143.0	0.43	<0.05	2.64	0.519	0.25	0.9	196
D002864		84.7	<0.002	0.06	27.8	16.9	1	2.2	207	0.67	0.10	6.90	0.355	0.67	2.2	137
D002865		69.4	<0.002	0.07	4.60	21.3	1	1.2	188.5	0.42	0.21	7.05	0.366	0.59	3.7	183
D002866		47.2	<0.002	0.01	1.34	22.0	1	1.1	149.0	0.40	0.07	3.88	0.382	0.51	1.5	193
D002867		47.4	<0.002	0.01	1.26	21.7	1	1.2	168.0	0.44	<0.05	4.52	0.443	0.41	1.4	188
D002868		41.7	<0.002	0.01	1.14	21.3	1	1.1	158.0	0.43	0.06	3.82	0.446	0.46	1.5	183
D002869		50.4	<0.002	0.01	1.20	21.7	<1	1.1	197.5	0.51	0.05	3.85	0.468	0.42	1.6	175
D002870		43.0	<0.002	0.01	1.14	23.4	3	1.2	203	0.52	<0.05	4.08	0.472	0.37	1.6	167
D002871		64.5	<0.002	0.04	1.48	27.1	<1	1.4	172.0	0.58	<0.05	5.92	0.428	0.44	2.3	172
D002872		57.9	<0.002	0.02	1.36	23.4	<1	1.2	213	0.52	<0.05	4.50	0.441	0.37	1.6	157
D002873		58.6	<0.002	0.02	1.46	25.0	1	1.3	197.0	0.60	<0.05	5.06	0.451	0.43	2.2	171
D002874		63.3	<0.002	0.02	1.12	25.2	<1	1.2	191.5	0.65	<0.05	4.04	0.459	0.35	1.9	161
D002875		45.4	<0.002	0.01	1.46	23.1	2	1.2	225	0.63	<0.05	4.27	0.527	0.36	1.7	166
D002876		43.8	<0.002	0.01	1.12	26.2	<1	1.2	203	0.50	<0.05	4.67	0.496	0.28	1.4	173
D002877		40.9	<0.002	0.01	0.95	26.7	<1	1.1	193.5	0.54	<0.05	4.48	0.481	0.28	1.4	168
D002878		42.2	<0.002	0.01	1.16	27.4	<1	1.1	215	0.54	<0.05	4.48	0.517	0.30	2.1	173
D002879		39.5	<0.002	0.01	1.04	25.5	<1	1.0	196.5	0.39	<0.05	3.14	0.485	0.27	1.0	170
D002880		47.6	<0.002	0.08	1.10	24.4	<1	1.1	201	0.56	<0.05	6.46	0.383	0.31	15.6	135
D002881		27.6	<0.002	0.01	0.90	30.9	<1	0.9	163.0	0.41	<0.05	2.50	0.543	0.21	0.9	184
D002882		33.5	<0.002	0.01	0.95	29.0	<1	1.1	157.5	0.54	<0.05	3.63	0.537	0.27	1.4	178
D002883		41.7	<0.002	0.02	0.95	24.7	<1	1.0	175.5	0.53	<0.05	5.65	0.474	0.27	1.7	159
D002884		44.8	<0.002	0.01	1.42	32.0	1	1.4	163.0	0.53	<0.05	4.49	0.537	0.29	5.8	200
D002885		36.8	<0.002	0.02	0.94	28.3	1	1.4	146.0	0.46	<0.05	3.40	0.496	0.30	1.2	196
D002886		31.9	<0.002	0.01	0.96	31.1	1	1.4	143.5	0.54	<0.05	3.74	0.515	0.28	1.3	193
D002887		30.7	<0.002	0.02	1.00	33.9	2	1.1	156.5	0.41	<0.05	3.98	0.523	0.23	1.3	207
D002888		17.4	<0.002	0.01	0.72	34.4	1	0.8	144.5	0.31	<0.05	2.00	0.522	0.16	0.7	198



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Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Au-ICP21
		W ppm 0.1	Y ppm 0.1	Zn ppm 2	Zr ppm 0.5	Au ppm 0.001
D002849		0.8	19.9	55	30.0	0.001
D002850		0.6	16.3	44	21.2	0.002
D002851		1.8	19.1	85	36.2	0.001
D002852		1.7	17.9	79	36.2	<0.001
D002853		1.4	16.8	69	37.7	<0.001
D002854		1.4	17.3	64	27.5	<0.001
D002855		0.8	18.4	64	16.5	<0.001
D002856		0.8	15.3	72	31.2	<0.001
D002857		0.4	19.0	79	33.1	<0.001
D002858		0.9	13.2	71	27.4	<0.001
D002859		1.4	19.0	92	33.6	0.001
D002860		1.4	19.2	93	33.3	<0.001
D002861		1.5	19.2	87	37.7	<0.001
D002862		1.0	16.3	62	39.0	0.001
D002863		1.0	18.2	73	27.4	<0.001
D002864		3.1	17.4	535	42.7	0.002
D002865		1.3	20.0	156	56.4	0.003
D002866		0.8	15.7	136	41.1	0.002
D002867		0.8	17.2	106	36.4	0.001
D002868		0.7	19.3	118	33.5	0.001
D002869		0.8	19.6	82	32.4	0.001
D002870		0.8	20.4	76	34.0	0.001
D002871		1.4	21.5	99	40.8	0.001
D002872		1.1	19.4	73	37.1	0.001
D002873		1.1	19.9	83	36.9	0.002
D002874		0.9	20.7	78	38.2	0.001
D002875		0.9	21.8	69	36.0	0.001
D002876		0.9	20.9	66	36.7	0.004
D002877		0.8	21.6	65	32.1	0.001
D002878		1.1	24.8	66	37.0	0.001
D002879		0.9	19.9	53	30.4	<0.001
D002880		1.1	32.8	127	38.0	0.002
D002881		1.0	21.9	51	29.3	<0.001
D002882		1.1	20.5	56	29.9	<0.001
D002883		1.0	17.8	49	40.7	<0.001
D002884		1.4	23.3	92	30.7	<0.001
D002885		1.3	18.7	84	30.4	<0.001
D002886		1.3	19.7	75	28.2	0.003
D002887		1.4	21.0	71	25.1	<0.001
D002888		0.7	18.1	56	18.9	<0.001



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Sample Description	Method	WEI-21	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe
	Units LOD	kg	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
		0.02	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01
D002889		0.60	0.05	7.31	5.9	410	1.24	0.17	4.69	0.20	23.9	39.4	311	3.13	69.5	5.36
D002890		0.48	0.04	7.49	3.8	320	0.97	0.12	4.77	0.26	19.15	35.1	281	2.25	57.3	6.31
D002891		0.48	0.07	7.45	4.5	280	0.77	0.12	5.23	0.20	19.40	35.2	372	2.44	43.1	5.29

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Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Ga ppm 0.05	Ge ppm 0.05	Hf ppm 0.1	In ppm 0.005	K % 0.01	La ppm 0.5	Li ppm 0.2	Mg % 0.01	Mn ppm 5	Mo ppm 0.05	Na % 0.01	Nb ppm 0.1	Ni ppm 0.2	P ppm 10	Pb ppm 0.5
D002889		15.75	0.11	0.9	0.051	0.84	10.0	30.5	4.66	1040	1.00	1.70	6.5	140.5	570	9.0
D002890		15.00	0.09	1.0	0.060	0.60	7.9	21.9	4.23	1035	0.87	1.55	5.0	101.5	630	5.4
D002891		16.55	0.11	1.3	0.059	0.60	8.1	21.9	4.53	848	0.69	1.52	5.4	124.0	410	6.6



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Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Rb ppm	Re ppm	S %	Sb ppm	Sc ppm	Se ppm	Sn ppm	Sr ppm	Ta ppm	Te ppm	Th ppm	Ti %	Tl ppm	U ppm	V ppm
		0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1	1
D002889		38.6	<0.002	0.01	0.93	31.5	1	1.5	147.0	0.53	<0.05	3.93	0.511	0.31	1.4	189
D002890		23.1	<0.002	0.02	0.70	30.9	1	1.1	121.5	0.48	<0.05	2.61	0.654	0.21	0.9	259
D002891		24.5	<0.002	0.01	0.97	33.1	1	1.2	140.5	0.43	<0.05	2.45	0.540	0.19	0.8	186

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Sample Description	Method Analyte Units LOD	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5	Au-ICP21 Au ppm 0.001
D002889		1.2	21.7	84	25.6	<0.001
D002890		1.4	20.8	85	20.8	<0.001
D002891		1.3	18.2	61	26.4	<0.001

