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To: STRATEGIC METALS LTD.
 C/O ARCHER, CATHRO & ASSOCIATES (1981)
 LIMITED
 1016-510 W HASTINGS ST
 VANCOUVER BC V6B 1L8

Page: 1
 Total # Pages: 8 (A - D)
 Plus Appendix Pages
 Finalized Date: 25-SEP-2019
 Account: MTT

CERTIFICATE WH19213275

Project: Alotta

This report is for 274 Soil samples submitted to our lab in Whitehorse, YT, Canada on 27-AUG-2019.

The following have access to data associated with this certificate:

HEATHER BURRELL JACK MORTON	ANDREW CARNE SCOTT NEWMAN	STEVE ISREAL
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SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
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-MS41	Ultra Trace Aqua Regia 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: 
 Colin Ramshaw, Vancouver Laboratory Manager



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CERTIFICATE OF ANALYSIS WH19213275

Sample Description	WEI-21	Au-ICP21	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
	Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Au ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	
YY13903	0.46	0.130	0.52	1.70	513	0.09	<10	110	0.77	1.96	0.97	0.64	39.8	11.2	23	
YY13904	0.34	0.080	0.37	1.86	41.6	0.04	<10	100	0.46	1.15	0.48	0.34	23.7	6.5	21	
YY13905	0.36	0.089	0.24	1.76	33.1	0.04	<10	130	0.43	0.82	0.72	0.39	19.40	9.8	25	
YY13906	0.41	0.023	0.38	1.99	50.8	<0.02	<10	160	0.47	0.67	0.34	0.46	18.10	9.0	27	
YY13907	0.44	0.022	0.19	2.36	297	<0.02	<10	80	0.72	0.70	0.37	0.41	20.5	7.3	13	
YY13908	0.42	0.028	0.16	1.63	70.1	<0.02	<10	70	0.42	0.29	0.31	0.15	14.85	8.7	29	
YY13909	0.42	0.018	0.13	2.07	55.8	<0.02	<10	80	0.48	0.52	0.30	0.18	15.30	7.7	27	
YY13910	0.53	0.034	0.11	1.98	157.5	0.02	<10	70	0.56	0.72	0.28	0.22	16.45	6.3	21	
YY13911	0.28	0.049	0.46	1.42	85.7	0.16	<10	120	0.55	0.66	1.34	0.80	25.4	7.7	20	
YY13912	0.43	0.086	0.20	2.28	84.6	0.04	<10	150	0.70	0.69	0.87	0.17	32.9	10.2	25	
YY13913	0.41	0.059	0.23	2.26	83.7	0.02	<10	150	0.53	0.80	0.98	0.33	28.5	11.8	24	
YY13914	0.42	0.008	0.14	3.16	22.5	<0.02	<10	280	0.58	0.55	0.60	0.39	23.4	13.5	29	
YY13915	0.49	0.028	0.16	3.38	9.5	<0.02	<10	290	0.68	0.84	0.48	0.19	34.1	11.4	24	
YY13916	0.40	<0.001	0.47	4.28	106.0	<0.02	<10	440	0.69	1.04	0.60	0.71	26.3	18.0	28	
YY13917	0.31	0.004	0.23	2.66	15.7	<0.02	<10	220	0.74	0.30	0.39	0.08	40.7	11.9	50	
YY13918	0.50	0.030	0.24	2.27	17.5	0.02	<10	180	0.63	0.38	0.41	0.11	29.4	12.2	47	
YY13919	0.37	<0.001	0.23	2.45	42.9	<0.02	<10	180	0.73	0.23	0.52	0.64	45.5	14.1	22	
YY13920	0.46	0.002	0.52	3.38	28.4	<0.02	<10	290	0.82	0.34	0.45	0.48	43.4	16.4	36	
YY13921	0.40	0.002	0.05	3.55	16.4	<0.02	<10	240	0.61	0.25	0.71	0.14	26.2	11.1	33	
YY13922	0.39	0.007	0.16	3.18	12.1	<0.02	<10	380	0.71	0.32	0.69	0.26	23.0	13.9	30	
YY13923	0.39	0.321	0.12	2.52	99.8	0.11	<10	200	0.46	2.71	0.24	0.15	20.7	12.2	36	
YY13924	0.35	0.003	0.13	3.02	19.6	0.03	<10	200	0.51	0.35	0.32	0.31	15.00	15.3	34	
YY13925	0.42	0.009	0.10	2.43	14.8	<0.02	<10	260	0.47	0.30	0.47	0.15	21.9	11.7	36	
YY13926	0.38	0.017	0.23	2.86	56.7	<0.02	<10	250	0.43	0.65	0.42	0.23	18.05	12.3	30	
YY13927	0.43	0.056	0.30	2.64	85.5	0.02	<10	170	0.50	0.88	0.71	0.23	21.7	13.4	27	
YY13928	0.32	0.035	0.22	1.96	33.8	0.02	<10	140	0.46	0.52	0.47	0.23	17.35	7.9	26	
YY13929	0.34	0.026	0.13	1.98	77.7	<0.02	<10	120	0.43	0.47	0.39	0.44	16.00	6.7	25	
YY13930	0.17	0.066	0.66	1.57	98.7	0.04	<10	140	0.67	0.65	1.70	0.65	29.0	8.5	21	
YY13931	0.38	0.016	0.37	2.67	90.0	<0.02	<10	120	0.64	1.59	0.45	0.47	15.70	10.0	22	
YY13932	0.38	0.063	0.16	2.00	49.3	0.06	<10	90	0.57	0.58	0.36	0.13	21.5	8.5	32	
YY13933	0.39	0.082	0.31	2.05	99.6	0.06	<10	90	0.55	1.19	0.38	0.47	15.95	8.4	24	
YY13934	0.44	0.082	0.85	3.16	33.5	0.06	<10	150	0.93	0.69	0.16	0.65	17.55	13.7	36	
YY13935	0.36	0.052	0.94	1.67	272	0.04	<10	130	0.56	1.17	0.23	0.88	22.8	9.0	20	
YY13936	0.43	0.052	0.48	1.77	237	0.02	<10	140	0.50	1.71	0.32	0.57	23.1	9.8	23	
YY13937	0.43	0.035	1.04	2.86	55.9	0.07	<10	140	0.67	0.54	0.31	0.41	19.35	10.7	36	
YY13938	0.42	0.039	1.09	1.76	93.5	0.04	<10	130	0.45	0.85	0.41	0.56	21.5	8.6	32	
YY13939	0.26	0.043	0.38	1.37	53.7	0.02	<10	110	0.48	0.90	1.57	0.75	27.1	6.1	18	
YY13940	0.44	0.029	0.21	2.21	77.2	0.05	<10	140	0.45	0.56	0.45	0.29	19.45	9.5	29	
YY13941	0.37	0.040	0.19	2.59	45.9	0.02	<10	140	0.53	0.55	0.53	0.19	20.7	11.1	31	
YY13942	0.36	0.003	0.26	2.54	11.3	<0.02	<10	300	0.49	0.48	0.51	0.36	18.00	17.6	33	



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Sample Description	Method Analyte Units LOD	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
		0.05	0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05	0.01
YY13903		1.62	290	4.16	5.78	0.10	0.08	0.04	0.034	0.10	20.1	15.2	0.51	285	12.75	0.01
YY13904		1.53	134.0	3.50	6.35	0.06	0.03	0.02	0.031	0.09	12.1	15.5	0.58	170	19.25	0.01
YY13905		1.19	90.9	2.71	6.11	<0.05	<0.02	0.02	0.024	0.07	9.8	16.4	0.51	268	12.15	0.01
YY13906		1.25	56.3	3.22	7.90	<0.05	<0.02	0.02	0.024	0.07	9.2	15.5	0.44	215	4.87	<0.01
YY13907		1.13	198.5	4.09	7.64	0.05	0.05	0.01	0.056	0.14	10.2	18.0	0.67	196	5.85	<0.01
YY13908		0.52	48.8	2.83	5.09	<0.05	0.10	0.01	0.022	0.12	6.6	10.8	0.58	191	2.34	0.01
YY13909		0.66	42.7	2.95	6.04	<0.05	0.05	0.02	0.021	0.12	7.2	11.8	0.63	191	2.75	0.01
YY13910		0.62	70.9	2.75	5.71	<0.05	0.08	0.01	0.017	0.07	8.1	10.7	0.57	149	5.08	0.01
YY13911		0.72	142.0	2.43	4.67	0.09	0.07	0.04	0.035	0.08	13.0	11.0	0.45	256	22.9	0.01
YY13912		1.06	119.0	3.64	7.51	0.10	0.10	0.04	0.034	0.13	17.0	15.2	0.73	303	41.2	0.02
YY13913		1.22	121.5	3.90	7.94	0.10	0.08	0.04	0.051	0.17	14.5	14.9	0.85	365	43.1	0.02
YY13914		1.39	55.8	4.52	10.40	0.06	0.05	0.01	0.039	0.20	10.2	12.4	0.85	821	13.85	0.01
YY13915		1.45	79.1	4.23	10.55	0.07	0.12	0.01	0.051	0.18	13.5	11.8	0.90	251	24.7	0.02
YY13916		3.39	86.3	7.04	17.00	0.10	0.18	0.01	0.073	0.80	10.5	20.9	1.70	503	6.67	0.02
YY13917		0.74	28.9	3.59	7.42	0.06	0.46	0.02	0.035	0.07	14.4	12.5	0.71	248	1.50	0.01
YY13918		0.68	44.3	3.22	6.32	0.06	0.27	0.02	0.033	0.06	12.7	13.0	0.75	317	0.91	0.01
YY13919		1.69	44.5	4.19	8.87	0.08	0.09	0.01	0.070	0.26	15.3	18.8	0.93	504	3.07	0.01
YY13920		1.12	36.2	4.38	9.86	0.07	0.17	0.03	0.055	0.13	16.9	16.3	0.81	560	1.52	0.01
YY13921		1.27	25.8	3.39	9.47	0.06	0.11	0.01	0.033	0.14	9.9	11.7	0.71	284	2.28	0.01
YY13922		1.18	25.6	4.14	10.30	0.05	0.05	0.02	0.046	0.09	9.4	13.7	0.78	781	4.13	0.01
YY13923		0.94	30.8	3.51	6.76	0.05	0.05	0.02	0.033	0.09	9.9	14.6	0.64	247	3.73	0.01
YY13924		1.27	32.3	4.65	9.35	0.05	0.10	0.02	0.040	0.13	7.4	21.9	0.75	290	12.40	0.01
YY13925		0.91	36.0	3.55	7.99	0.06	0.13	0.02	0.032	0.07	11.5	14.6	0.81	411	11.20	0.01
YY13926		1.20	53.2	4.63	9.82	0.07	0.10	0.02	0.046	0.15	8.7	17.5	0.90	297	29.4	0.01
YY13927		1.22	103.5	4.53	9.23	0.09	0.08	0.02	0.054	0.24	12.6	16.5	0.95	374	38.8	0.02
YY13928		0.69	49.6	3.02	7.18	0.05	0.11	0.01	0.027	0.08	9.2	11.5	0.59	226	20.4	0.01
YY13929		0.93	45.4	3.09	7.89	<0.05	0.05	0.02	0.027	0.07	8.5	12.8	0.51	189	22.0	0.01
YY13930		0.76	186.0	2.36	4.64	0.09	0.05	0.05	0.031	0.08	18.4	12.2	0.42	386	16.15	0.01
YY13931		1.33	99.4	4.33	8.79	0.06	0.10	0.02	0.024	0.23	7.7	13.1	0.70	229	11.50	0.01
YY13932		0.78	78.6	3.42	5.83	0.05	0.13	0.01	0.021	0.13	8.6	12.4	0.63	224	6.02	0.01
YY13933		1.31	115.0	3.71	6.72	<0.05	0.06	0.01	0.031	0.14	8.0	12.8	0.57	221	12.10	0.01
YY13934		2.08	214	4.64	8.23	0.05	0.14	0.03	0.046	0.06	8.7	19.7	0.52	226	11.20	0.01
YY13935		1.74	172.0	3.26	6.46	0.05	0.05	0.02	0.038	0.08	12.5	11.9	0.35	198	12.70	0.01
YY13936		1.54	146.5	4.11	6.45	0.05	0.04	0.03	0.034	0.12	12.6	13.2	0.44	385	11.50	0.01
YY13937		1.24	88.2	3.90	7.54	<0.05	0.09	0.02	0.034	0.10	10.6	12.9	0.67	258	4.41	0.01
YY13938		0.51	67.8	2.99	5.07	<0.05	0.06	0.03	0.031	0.17	10.4	10.6	0.54	305	7.64	0.01
YY13939		0.82	125.5	2.19	4.89	0.08	0.09	0.03	0.044	0.10	13.5	10.4	0.51	163	5.73	0.01
YY13940		0.90	74.1	3.35	7.36	0.05	0.06	0.01	0.031	0.08	10.6	14.7	0.65	251	12.40	0.01
YY13941		0.89	78.6	3.80	7.61	0.05	0.10	0.02	0.039	0.07	10.9	12.8	0.76	389	16.00	0.01
YY13942		1.34	29.9	4.02	9.92	0.05	0.12	0.02	0.043	0.10	8.5	12.5	0.74	798	12.55	0.01



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		Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
		ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.05	0.2	10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.2	0.01	0.01	0.2
YY13903		1.01	15.2	520	16.4	9.2	0.002	0.04	9.54	4.2	3.2	0.4	62.6	<0.01	1.03	2.8
YY13904		1.11	12.0	750	11.6	11.7	0.001	0.03	1.38	3.8	1.4	0.6	36.7	<0.01	0.47	2.2
YY13905		1.02	15.7	570	8.2	10.9	0.001	0.02	0.52	3.4	0.8	0.5	47.1	<0.01	0.25	1.4
YY13906		1.24	17.5	550	10.6	10.3	<0.001	0.01	0.73	2.8	0.6	0.7	28.7	<0.01	0.19	1.0
YY13907		0.52	7.1	210	13.4	14.2	0.001	<0.01	2.64	3.9	0.7	0.5	29.6	<0.01	0.13	5.6
YY13908		0.85	15.8	100	6.0	11.1	0.001	<0.01	0.97	3.7	0.3	0.5	23.8	<0.01	0.06	2.5
YY13909		1.09	16.4	140	6.7	10.7	<0.001	<0.01	1.22	3.8	0.4	0.5	24.1	<0.01	0.08	2.8
YY13910		0.75	12.8	100	8.2	7.8	<0.001	<0.01	2.13	3.3	0.5	0.4	26.1	<0.01	0.19	3.5
YY13911		1.14	12.5	690	10.7	8.6	0.013	0.11	1.57	3.7	7.2	0.4	67.7	<0.01	0.24	1.4
YY13912		2.02	17.1	520	9.0	14.4	0.004	0.02	1.35	8.1	1.7	0.6	55.6	<0.01	0.27	4.4
YY13913		2.50	16.2	600	9.0	19.6	0.003	0.03	1.45	8.9	1.9	0.8	56.7	<0.01	0.34	4.6
YY13914		2.38	19.4	650	9.5	19.0	0.001	<0.01	0.63	5.4	0.4	1.1	40.7	0.01	0.05	8.4
YY13915		1.54	15.6	290	8.2	20.6	0.011	<0.01	0.31	8.4	0.5	1.2	47.9	<0.01	0.07	10.5
YY13916		3.32	18.4	360	37.3	75.1	0.002	<0.01	0.47	9.1	0.3	2.6	41.6	<0.01	0.46	8.4
YY13917		1.31	29.7	150	7.9	8.5	<0.001	<0.01	0.41	10.2	0.4	0.7	30.7	<0.01	0.06	7.4
YY13918		0.73	27.6	370	7.0	7.0	<0.001	<0.01	0.41	6.3	0.4	0.6	29.8	<0.01	0.13	6.1
YY13919		1.21	13.1	250	17.7	19.4	<0.001	<0.01	0.87	7.9	0.4	1.1	46.7	<0.01	0.03	12.1
YY13920		1.33	21.8	430	13.6	16.4	<0.001	<0.01	0.58	9.5	0.4	1.4	53.1	<0.01	0.04	9.8
YY13921		1.49	20.8	320	8.2	13.9	<0.001	<0.01	0.34	5.2	0.3	1.1	67.0	0.02	0.03	7.7
YY13922		1.84	20.2	590	12.0	11.0	0.001	<0.01	0.48	6.4	0.2	1.5	57.9	0.01	0.06	8.8
YY13923		1.45	24.6	380	7.8	10.2	<0.001	0.05	1.51	4.2	0.5	0.7	24.4	<0.01	0.69	3.0
YY13924		2.41	24.7	600	9.9	20.3	0.001	<0.01	0.40	5.2	0.3	0.9	24.4	0.01	0.06	2.9
YY13925		1.53	23.3	280	7.7	12.1	0.001	<0.01	0.40	6.2	0.3	0.8	32.6	<0.01	0.08	3.6
YY13926		2.38	19.1	290	9.3	19.7	0.001	<0.01	0.77	6.8	0.6	1.0	28.3	<0.01	0.28	3.9
YY13927		2.56	18.4	440	10.2	24.9	0.002	<0.01	1.23	8.5	0.8	1.0	45.0	<0.01	0.31	4.2
YY13928		1.57	16.4	280	9.6	10.7	0.001	<0.01	0.53	4.2	0.4	0.6	32.0	<0.01	0.15	2.3
YY13929		1.69	14.8	270	9.7	11.9	0.001	<0.01	0.80	3.5	0.4	0.7	27.2	<0.01	0.15	2.0
YY13930		1.07	15.2	800	8.5	9.2	0.013	0.09	1.63	3.6	3.8	0.4	85.4	<0.01	0.25	0.9
YY13931		1.39	14.0	160	8.7	27.3	<0.001	<0.01	1.68	5.6	0.6	0.7	34.1	<0.01	0.81	3.4
YY13932		0.87	17.4	140	6.2	13.4	<0.001	0.01	0.83	5.0	0.7	0.5	29.9	<0.01	0.24	3.0
YY13933		1.09	14.3	160	9.9	15.6	0.001	<0.01	1.61	3.6	0.6	0.6	39.2	<0.01	0.65	2.9
YY13934		1.58	23.0	400	13.0	11.9	<0.001	0.01	1.39	4.0	0.7	0.7	16.6	0.01	0.32	2.7
YY13935		1.25	12.6	270	20.7	11.3	<0.001	0.03	2.73	2.7	0.7	0.5	24.9	<0.01	0.47	2.3
YY13936		1.20	13.9	300	17.0	11.8	<0.001	0.04	2.79	3.0	1.0	0.5	31.7	<0.01	0.61	2.4
YY13937		1.46	23.8	200	10.7	10.8	<0.001	0.02	0.81	4.3	0.4	0.6	28.2	<0.01	0.16	2.7
YY13938		1.23	17.1	250	13.9	11.6	<0.001	0.03	0.87	3.6	0.4	0.4	28.5	<0.01	0.32	2.4
YY13939		1.30	10.0	690	10.7	8.0	0.003	0.11	1.31	3.5	2.3	0.5	78.6	<0.01	0.22	1.7
YY13940		1.89	16.8	270	8.6	11.5	<0.001	0.02	0.76	4.2	0.5	0.7	31.4	<0.01	0.18	2.3
YY13941		2.06	18.9	260	7.9	10.4	0.001	0.02	0.90	6.0	0.5	0.8	38.5	<0.01	0.14	3.4
YY13942		2.69	21.9	400	8.6	17.9	0.001	0.02	0.41	7.0	0.5	1.2	35.9	<0.01	0.09	2.9



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Sample Description	Method Analyte Units LOD	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
		Ti %	Ti ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
		0.005	0.02	0.05	1	0.05	0.05	2	0.5
YY13903		0.053	0.10	3.27	45	0.18	12.95	82	2.6
YY13904		0.059	0.14	1.35	55	0.50	8.22	81	1.0
YY13905		0.054	0.12	0.93	52	0.24	5.79	67	0.6
YY13906		0.070	0.12	0.70	72	0.16	4.25	76	0.5
YY13907		0.013	0.21	0.76	57	0.23	5.78	56	2.3
YY13908		0.082	0.09	0.41	62	0.14	3.06	42	3.9
YY13909		0.063	0.10	0.45	63	0.18	3.25	47	1.8
YY13910		0.036	0.09	0.50	54	0.16	3.57	45	2.9
YY13911		0.059	0.08	9.53	45	0.15	13.05	72	2.3
YY13912		0.131	0.12	5.00	71	0.35	16.95	66	3.9
YY13913		0.163	0.17	3.37	82	0.69	13.50	75	3.6
YY13914		0.224	0.16	1.29	102	0.22	5.76	107	2.1
YY13915		0.169	0.18	1.55	95	0.18	5.94	74	3.9
YY13916		0.495	0.51	1.00	170	0.27	5.32	154	4.7
YY13917		0.140	0.09	0.96	86	0.28	5.74	53	16.4
YY13918		0.123	0.07	0.77	77	0.25	6.68	55	10.8
YY13919		0.133	0.15	1.34	95	0.24	8.29	139	2.9
YY13920		0.162	0.15	1.26	98	0.27	8.07	133	5.7
YY13921		0.178	0.12	0.88	81	0.27	3.76	58	3.8
YY13922		0.170	0.12	0.75	96	0.32	5.83	99	2.2
YY13923		0.104	0.10	0.63	73	0.24	4.07	53	2.0
YY13924		0.168	0.12	0.52	100	0.24	3.40	68	3.7
YY13925		0.154	0.11	1.01	84	0.38	6.66	62	4.7
YY13926		0.211	0.14	1.02	105	0.50	5.12	73	3.9
YY13927		0.187	0.19	1.52	91	0.25	9.33	79	3.1
YY13928		0.099	0.08	0.99	65	0.19	6.00	55	3.5
YY13929		0.088	0.11	0.72	71	0.26	3.90	57	1.9
YY13930		0.052	0.09	5.71	41	0.14	18.95	68	1.9
YY13931		0.088	0.26	0.70	76	0.18	3.89	58	4.2
YY13932		0.097	0.15	0.77	66	0.14	5.95	46	5.0
YY13933		0.052	0.16	0.69	64	0.19	3.78	65	3.0
YY13934		0.064	0.15	0.76	78	0.39	4.12	87	4.9
YY13935		0.041	0.11	0.75	56	0.16	4.38	75	2.6
YY13936		0.045	0.12	0.72	57	0.14	5.08	70	2.0
YY13937		0.077	0.14	0.52	75	0.18	3.72	67	4.1
YY13938		0.074	0.09	0.58	59	0.35	3.62	70	2.5
YY13939		0.061	0.08	4.28	39	0.11	11.05	94	3.9
YY13940		0.104	0.10	0.81	72	0.21	5.53	58	2.4
YY13941		0.125	0.13	0.95	79	0.21	6.56	63	4.3
YY13942		0.174	0.14	0.66	94	0.27	6.06	98	5.1



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Sample Description	Method Analyte Units LOD	WEI-21	Au-ICP21	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Au ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm
YY13943		0.38	0.011	0.41	2.12	34.9	<0.02	<10	160	0.54	0.41	0.39	0.23	26.1	10.8	33
YY13944		0.43	0.006	0.30	2.41	73.7	<0.02	<10	120	0.55	0.66	0.42	0.43	23.2	10.4	33
YY13945		0.45	0.010	0.20	2.08	40.9	0.02	<10	120	0.49	0.64	0.43	0.19	23.4	9.4	29
YY13946		0.30	0.050	1.51	3.67	85.8	0.03	<10	190	1.42	1.52	0.84	0.75	50.2	17.6	41
YY13947		0.35	0.013	0.27	2.58	28.7	<0.02	<10	150	0.67	0.40	0.63	0.45	29.2	11.8	36
YY13948		0.32	0.008	0.13	2.27	48.5	<0.02	<10	140	0.47	0.46	0.50	0.22	21.4	10.5	34
YY13949		0.44	0.004	0.19	2.56	23.2	<0.02	<10	140	0.59	0.20	0.52	0.25	22.2	11.3	35
YY13950		0.36	0.015	0.13	2.30	25.8	<0.02	<10	150	0.48	0.25	0.45	0.17	23.5	10.6	35
YY13951		0.32	0.010	0.11	2.45	87.0	<0.02	<10	140	0.48	0.45	0.46	0.56	22.0	9.8	29
YY13952		0.36	0.010	0.18	1.69	50.5	<0.02	<10	110	0.43	0.39	0.51	0.34	24.8	10.9	29
YY13953		0.37	0.004	0.10	1.52	14.9	<0.02	<10	110	0.25	0.27	0.46	0.29	22.5	7.7	28
YY13954		0.30	0.008	0.08	1.37	6.5	<0.02	<10	100	0.19	0.22	0.38	0.23	17.75	4.8	25
YY13955		0.40	0.006	0.11	1.91	14.2	<0.02	<10	130	0.43	0.28	0.35	0.29	25.9	7.0	32
YY13956		0.49	0.007	0.10	2.03	8.5	<0.02	<10	130	0.40	0.30	0.35	0.23	22.4	7.3	31
YY13957		0.38	0.003	0.09	1.79	10.1	<0.02	<10	120	0.29	0.25	0.37	0.16	19.50	7.9	28
YY13958		0.39	0.005	0.08	1.89	12.2	<0.02	<10	130	0.31	0.26	0.36	0.18	20.0	8.7	29
YY13959		0.23	0.005	0.14	1.90	11.8	<0.02	<10	140	0.30	0.32	0.40	0.23	19.90	13.2	29
YY13960		0.36	0.013	0.12	1.87	9.3	<0.02	<10	130	0.25	0.32	0.37	0.17	19.70	8.9	27
YY13961		0.34	0.005	0.19	2.03	17.5	<0.02	<10	140	0.35	0.38	0.33	0.24	20.8	9.6	29
YY13962		0.29	0.006	0.11	1.81	13.9	<0.02	<10	120	0.26	0.27	0.32	0.16	19.80	8.0	24
YY13963		0.62	0.011	0.13	2.35	18.7	<0.02	<10	190	0.42	0.58	0.42	0.16	23.7	11.3	30
YY13964		0.42	0.014	0.17	2.11	14.5	<0.02	<10	170	0.32	0.46	0.45	0.17	23.4	11.9	29
YY13965		0.36	0.006	0.14	2.11	13.2	<0.02	<10	180	0.41	0.33	0.45	0.29	27.3	9.5	31
YY13966		0.32	0.006	0.10	2.23	7.9	<0.02	<10	150	0.43	0.20	0.67	0.18	24.2	8.4	30
YY13967		0.42	0.019	0.29	2.42	31.8	0.11	<10	190	0.61	0.33	0.57	0.36	33.7	10.3	31
YY13968		0.41	0.026	0.17	2.51	71.7	<0.02	<10	140	0.51	0.34	0.42	0.39	23.2	12.2	31
YY13969		0.35	0.007	0.41	1.86	104.0	<0.02	<10	180	0.56	0.33	0.57	1.01	30.9	10.7	26
YY13970		0.32	0.009	0.34	2.68	102.0	<0.02	<10	120	0.56	0.47	0.60	0.54	20.6	11.0	34
YY13971		0.44	0.006	0.31	2.43	96.0	<0.02	<10	140	0.49	0.38	0.45	0.51	22.3	10.7	35
YY13972		0.40	0.006	0.89	1.77	98.0	<0.02	<10	110	0.40	0.48	0.39	0.80	19.05	10.6	27
YY13973		0.38	0.040	0.55	2.22	83.7	0.02	<10	150	0.52	0.97	0.47	0.20	27.8	10.4	34
YY13974		0.40	0.113	0.47	2.56	79.4	0.05	<10	80	0.79	2.40	0.30	0.48	33.9	10.1	27
YY13975		0.33	0.076	0.97	2.22	293	0.11	<10	130	0.68	2.95	0.39	0.40	34.0	11.4	32
YY13976		0.33	0.011	0.38	2.11	61.6	<0.02	<10	220	0.54	0.96	0.47	0.99	26.6	11.8	30
YY13977		0.38	0.039	0.38	2.23	90.4	0.02	<10	120	0.54	1.12	0.49	0.27	27.2	13.1	33
YY13978		0.34	0.007	0.19	2.03	35.8	<0.02	<10	120	0.40	0.40	0.40	0.19	17.10	10.0	26
YY13979		0.37	0.046	0.25	2.32	66.7	<0.02	<10	150	0.41	0.48	0.43	0.32	22.3	9.8	29
YY13980		0.42	0.043	0.21	2.40	73.2	0.04	<10	200	0.45	0.71	0.47	0.19	23.5	13.9	27
YY13981		0.43	0.013	0.14	2.45	61.4	<0.02	<10	210	0.42	0.46	0.41	0.08	24.0	11.2	34
YY13982		0.41	0.003	0.28	2.45	33.6	<0.02	<10	240	0.47	0.33	0.35	0.30	20.8	13.9	34



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Sample Description	Method Analyte Units LOD	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Cs ppm	Cu ppm	Fe %	Ga ppm	Ge ppm	Hf ppm	Hg ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %
YY13943		0.86	52.4	3.20	6.45	0.05	0.08	0.02	0.041	0.05	14.5	13.8	0.64	429	9.28	0.01
YY13944		0.88	62.8	3.59	7.75	0.05	0.04	0.02	0.047	0.07	11.2	15.0	0.64	380	5.32	0.01
YY13945		0.78	68.3	3.46	6.53	0.06	0.07	0.01	0.036	0.10	11.8	13.3	0.68	294	5.14	0.01
YY13946		1.25	240	4.73	10.25	0.11	0.07	0.04	0.086	0.17	26.5	16.2	0.71	713	5.79	0.02
YY13947		0.83	56.0	3.39	7.30	0.06	0.05	0.02	0.052	0.15	15.2	14.3	0.71	484	2.38	0.01
YY13948		0.82	36.4	3.24	6.59	0.05	0.05	0.01	0.050	0.09	9.8	13.5	0.72	333	1.77	0.01
YY13949		0.97	23.7	3.13	6.75	<0.05	0.05	0.02	0.045	0.08	9.7	13.5	0.73	308	1.12	0.01
YY13950		0.99	29.5	3.14	6.22	0.05	0.07	0.02	0.048	0.05	10.1	12.0	0.67	382	1.14	0.01
YY13951		1.57	26.1	3.30	7.73	<0.05	0.04	0.01	0.064	0.06	11.0	17.2	0.64	330	1.69	0.01
YY13952		1.17	21.9	2.66	5.74	0.06	0.03	0.04	0.058	0.05	12.0	12.2	0.53	931	1.73	0.01
YY13953		0.93	14.1	2.18	5.19	0.05	0.03	0.03	0.045	0.06	11.3	11.5	0.55	212	0.90	0.01
YY13954		0.96	9.6	1.64	5.13	<0.05	0.02	0.03	0.032	0.05	8.8	9.9	0.48	131	0.60	0.01
YY13955		1.11	27.9	2.05	5.98	0.05	0.02	0.05	0.053	0.05	12.9	12.9	0.56	156	0.69	0.01
YY13956		1.06	24.4	2.05	6.26	<0.05	0.03	0.04	0.050	0.06	11.4	13.5	0.60	167	0.84	0.01
YY13957		1.04	13.7	2.27	6.06	<0.05	0.02	0.04	0.045	0.05	9.6	12.2	0.55	199	0.92	0.01
YY13958		1.12	16.0	2.57	6.43	<0.05	0.02	0.03	0.047	0.05	9.9	12.9	0.57	245	0.97	0.01
YY13959		1.07	17.1	2.49	6.10	<0.05	0.02	0.05	0.046	0.06	9.9	11.9	0.57	288	1.07	0.01
YY13960		1.10	15.7	2.24	6.37	0.05	0.02	0.04	0.043	0.05	10.1	12.5	0.56	322	0.83	0.01
YY13961		1.15	19.1	2.74	6.47	0.05	0.02	0.04	0.050	0.05	10.3	12.6	0.56	302	1.09	0.01
YY13962		0.98	14.8	2.43	6.04	<0.05	0.02	0.03	0.045	0.05	10.0	11.4	0.53	199	0.96	0.01
YY13963		1.62	27.2	3.18	7.02	0.07	0.06	0.03	0.051	0.09	11.8	15.2	0.82	301	1.01	0.01
YY13964		1.42	23.2	3.24	7.03	0.06	0.04	0.03	0.051	0.07	11.7	14.3	0.78	359	1.70	0.01
YY13965		1.26	29.6	2.55	6.74	0.06	0.05	0.04	0.057	0.06	13.4	15.3	0.71	207	0.89	0.01
YY13966		1.13	25.8	2.36	7.16	0.05	0.04	0.04	0.052	0.05	12.0	16.0	0.78	288	0.93	0.01
YY13967		1.81	54.5	2.99	7.40	0.07	0.04	0.06	0.077	0.07	17.5	18.1	0.80	275	1.66	0.01
YY13968		2.00	45.6	3.83	7.78	0.05	0.04	0.02	0.070	0.09	11.8	19.8	0.78	323	3.23	0.01
YY13969		1.45	67.6	3.01	6.58	0.06	0.03	0.01	0.064	0.08	16.1	13.5	0.50	858	2.30	0.01
YY13970		1.43	63.9	3.82	6.56	<0.05	0.06	0.02	0.100	0.08	8.1	14.7	0.74	371	1.61	0.01
YY13971		1.19	58.8	3.34	6.94	<0.05	0.11	0.02	0.076	0.06	10.1	11.9	0.66	327	1.72	0.02
YY13972		0.93	49.3	3.11	7.62	<0.05	0.04	0.02	0.056	0.07	10.6	8.6	0.42	306	3.87	0.02
YY13973		0.69	69.1	3.40	5.97	0.05	0.16	0.02	0.047	0.07	11.2	11.7	0.68	378	2.38	0.02
YY13974		1.00	124.5	4.11	7.91	<0.05	0.12	0.02	0.073	0.11	12.2	12.8	0.58	256	7.53	0.02
YY13975		0.75	90.1	3.57	7.05	0.05	0.15	0.02	0.056	0.07	13.2	11.2	0.56	362	7.44	0.02
YY13976		0.44	51.0	3.21	6.73	0.05	0.08	0.02	0.050	0.15	10.5	10.5	0.52	466	6.85	0.02
YY13977		0.74	105.5	3.62	7.59	0.08	0.21	0.02	0.064	0.09	13.7	13.8	0.60	422	7.45	0.03
YY13978		0.54	29.5	3.72	7.82	<0.05	0.05	0.05	0.049	0.11	8.1	12.7	0.54	321	19.70	0.02
YY13979		0.69	40.3	4.10	9.65	0.05	0.07	0.02	0.041	0.09	12.1	12.5	0.60	404	41.5	0.01
YY13980		1.03	45.0	4.46	8.84	0.09	0.13	0.01	0.039	0.15	12.4	13.3	0.89	399	21.9	0.02
YY13981		0.87	36.2	3.83	8.15	0.07	0.16	0.01	0.035	0.12	12.6	12.9	0.78	346	9.65	0.02
YY13982		1.01	24.6	3.86	8.35	0.05	0.06	0.01	0.041	0.16	9.8	14.1	0.70	330	6.00	0.02



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Sample Description	Method Analyte Units LOD	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
		ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.05	0.2	10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.2	0.01	0.01	0.2
YY13943		1.39	18.8	280	7.4	9.3	<0.001	0.02	0.65	5.1	0.4	0.6	30.8	<0.01	0.09	2.7
YY13944		1.60	20.3	320	7.9	11.5	<0.001	0.04	0.92	4.1	0.4	0.7	37.0	<0.01	0.10	2.1
YY13945		1.87	17.7	280	6.6	12.4	<0.001	0.03	0.61	4.5	0.6	0.6	30.1	<0.01	0.16	2.5
YY13946		1.77	31.8	740	13.3	15.3	<0.001	0.05	1.16	7.7	1.0	0.9	67.2	<0.01	0.35	2.2
YY13947		1.65	24.6	420	9.0	16.8	<0.001	0.04	0.53	5.5	0.4	0.8	46.3	<0.01	0.08	1.6
YY13948		1.56	22.3	310	8.4	9.8	<0.001	0.03	0.73	4.4	0.2	0.9	37.7	<0.01	0.05	2.3
YY13949		1.52	27.8	300	8.5	9.4	<0.001	0.03	0.38	4.5	0.3	0.9	40.9	<0.01	0.04	1.7
YY13950		1.48	22.5	410	8.7	8.0	<0.001	0.03	0.43	4.3	0.2	0.8	30.2	<0.01	0.02	2.7
YY13951		1.64	19.1	510	12.3	10.5	<0.001	0.03	0.84	4.2	0.3	1.3	29.8	<0.01	0.04	2.1
YY13952		1.14	15.1	730	12.8	8.5	<0.001	0.05	0.58	3.7	0.5	0.8	30.7	<0.01	0.04	1.5
YY13953		1.25	14.2	830	8.0	9.1	<0.001	0.05	0.31	3.7	0.4	0.7	25.8	<0.01	0.03	1.6
YY13954		1.09	11.7	670	7.3	6.2	<0.001	0.05	0.25	2.8	0.3	0.6	21.8	<0.01	0.02	0.9
YY13955		1.28	15.4	740	9.3	9.1	<0.001	0.07	0.44	3.9	0.6	0.7	21.4	<0.01	0.02	1.2
YY13956		1.36	16.6	650	9.4	8.0	<0.001	0.05	0.44	3.8	0.4	0.7	20.3	<0.01	0.03	1.4
YY13957		1.27	15.1	640	8.0	8.9	<0.001	0.04	0.32	3.5	0.5	0.7	23.8	<0.01	0.03	1.0
YY13958		1.26	14.9	690	8.0	9.4	<0.001	0.05	0.35	3.5	0.3	0.8	22.2	<0.01	0.03	0.9
YY13959		1.21	15.3	800	8.4	9.5	<0.001	0.06	0.39	3.9	0.4	0.8	25.9	<0.01	0.04	0.7
YY13960		1.13	13.9	690	8.4	9.8	<0.001	0.05	0.34	3.8	0.4	0.8	23.0	<0.01	0.04	1.0
YY13961		1.15	14.4	790	9.3	11.2	<0.001	0.05	0.36	3.8	0.4	0.8	21.6	<0.01	0.06	0.8
YY13962		1.11	13.0	650	7.5	10.1	<0.001	0.04	0.31	3.5	0.4	0.9	19.7	<0.01	0.03	0.8
YY13963		1.86	16.5	740	10.0	12.7	<0.001	0.02	0.44	6.3	0.4	1.1	22.7	<0.01	0.14	3.8
YY13964		1.91	15.7	730	9.1	10.4	<0.001	0.03	0.42	6.2	0.6	1.1	24.9	<0.01	0.12	3.1
YY13965		1.89	17.3	610	9.7	8.9	<0.001	0.04	0.55	6.1	0.7	0.9	26.6	<0.01	0.06	3.5
YY13966		1.58	14.2	740	9.1	6.7	<0.001	0.07	0.67	5.8	0.5	0.9	39.5	<0.01	0.01	2.3
YY13967		1.58	18.1	730	13.8	11.3	<0.001	0.04	0.83	6.9	0.8	1.1	34.2	<0.01	0.04	2.8
YY13968		1.90	20.0	330	12.7	12.2	<0.001	0.03	0.89	5.4	0.5	1.2	30.7	<0.01	0.05	2.6
YY13969		1.23	17.2	470	12.7	14.3	<0.001	0.04	1.27	3.9	0.5	1.0	40.4	<0.01	0.05	1.2
YY13970		1.41	20.5	290	12.6	10.1	<0.001	0.04	0.68	4.1	0.4	1.4	44.1	<0.01	0.05	1.9
YY13971		1.53	22.7	260	11.2	10.1	<0.001	0.03	0.64	4.2	0.3	1.1	33.5	<0.01	0.05	2.8
YY13972		1.47	15.7	260	12.7	15.2	<0.001	0.03	0.71	3.0	0.4	1.1	30.6	<0.01	0.07	1.3
YY13973		1.12	19.4	180	13.7	6.5	<0.001	0.03	0.55	4.9	0.3	0.7	32.2	<0.01	0.14	2.9
YY13974		0.96	16.8	200	19.4	12.4	<0.001	0.03	0.99	4.5	1.0	0.9	36.6	<0.01	0.80	3.6
YY13975		1.14	17.7	180	17.5	8.5	<0.001	0.03	1.11	5.9	0.7	0.7	35.9	<0.01	1.16	3.2
YY13976		1.46	17.8	320	13.2	10.6	<0.001	0.03	0.55	4.4	0.5	0.7	36.3	<0.01	0.20	2.2
YY13977		1.52	19.6	200	13.0	9.9	<0.001	0.03	0.78	6.9	0.8	0.9	34.6	<0.01	0.30	3.3
YY13978		1.68	15.5	310	8.0	7.4	<0.001	0.03	0.48	3.6	0.4	0.6	26.8	<0.01	0.10	1.7
YY13979		2.28	17.9	380	8.2	12.5	<0.001	0.03	1.00	4.8	0.5	0.8	32.3	<0.01	0.10	2.4
YY13980		2.66	17.2	420	7.9	17.1	<0.001	0.03	1.24	7.0	0.7	0.8	27.1	<0.01	0.27	5.7
YY13981		1.87	19.5	200	6.8	15.3	<0.001	0.02	0.77	6.3	0.3	0.7	29.7	<0.01	0.09	5.0
YY13982		1.89	20.2	210	8.0	23.3	<0.001	0.03	0.59	5.6	0.2	0.8	27.2	<0.01	0.07	3.6



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Sample Description	Method Analyte Units LOD	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
		Ti %	Ti ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
		0.005	0.02	0.05	1	0.05	0.05	2	0.5
YY13943		0.090	0.08	0.73	67	0.32	7.52	56	3.5
YY13944		0.084	0.09	0.67	70	0.17	6.71	71	1.8
YY13945		0.128	0.12	0.89	65	0.18	6.80	61	2.8
YY13946		0.086	0.11	1.97	73	0.22	23.2	102	2.6
YY13947		0.101	0.11	0.86	70	0.19	10.40	74	1.9
YY13948		0.104	0.09	0.54	72	0.17	5.17	66	2.3
YY13949		0.099	0.10	0.50	70	0.16	5.29	64	2.0
YY13950		0.108	0.10	0.51	71	0.27	5.37	74	3.2
YY13951		0.067	0.12	0.49	67	0.17	5.15	102	2.1
YY13952		0.075	0.10	0.99	60	0.39	6.95	98	1.3
YY13953		0.089	0.09	0.88	49	0.79	6.34	77	1.3
YY13954		0.082	0.09	0.54	36	0.26	4.95	63	0.8
YY13955		0.083	0.12	1.16	49	0.21	6.00	73	1.0
YY13956		0.094	0.11	0.75	48	0.22	5.22	71	1.0
YY13957		0.079	0.11	0.56	50	0.17	5.00	66	0.9
YY13958		0.081	0.14	0.67	59	0.18	5.03	68	0.8
YY13959		0.077	0.13	0.76	53	0.20	5.47	72	0.9
YY13960		0.082	0.13	0.67	49	0.14	5.05	67	0.7
YY13961		0.073	0.13	0.82	62	0.15	5.42	72	0.7
YY13962		0.074	0.12	0.55	54	0.16	5.05	67	0.7
YY13963		0.145	0.18	0.93	72	0.17	7.01	75	2.5
YY13964		0.135	0.16	0.90	77	0.22	7.00	72	2.0
YY13965		0.113	0.15	1.20	65	0.30	8.59	69	2.5
YY13966		0.089	0.12	1.04	56	0.24	7.50	65	2.1
YY13967		0.091	0.19	2.10	66	0.12	11.00	95	1.7
YY13968		0.104	0.16	0.85	81	0.24	6.16	84	1.7
YY13969		0.060	0.10	0.90	59	0.12	10.75	99	1.1
YY13970		0.077	0.11	0.46	72	0.14	4.72	96	3.2
YY13971		0.082	0.12	0.56	73	0.33	5.94	80	4.3
YY13972		0.072	0.12	0.52	72	0.18	6.04	73	1.8
YY13973		0.094	0.08	0.75	68	0.18	6.76	78	6.2
YY13974		0.047	0.13	0.89	62	0.19	6.71	105	4.9
YY13975		0.068	0.10	0.92	64	0.19	7.36	77	6.3
YY13976		0.073	0.08	0.74	63	0.39	5.24	78	3.0
YY13977		0.098	0.08	1.43	68	0.21	14.45	69	8.5
YY13978		0.075	0.07	0.57	78	0.19	4.08	55	2.0
YY13979		0.119	0.08	0.97	89	0.21	7.30	62	3.0
YY13980		0.194	0.12	1.17	93	0.39	5.92	73	5.0
YY13981		0.165	0.10	1.13	86	0.22	5.39	59	5.9
YY13982		0.129	0.12	0.55	88	0.51	4.07	67	2.4



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Sample Description	Method	WEI-21	Au-ICP21	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
	Analyte	Recvd Wt.	Au	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr
Units		kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
LOD		0.02	0.001	0.01	0.01	0.1	0.02	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
YY13983		0.34	0.003	0.67	2.69	29.8	<0.02	<10	160	0.49	0.28	0.38	0.24	22.6	11.7	36
YY13984		0.40	0.001	0.36	3.49	41.7	0.09	<10	220	0.72	0.57	0.49	0.30	51.4	15.1	30
YY13985		0.43	0.017	0.48	2.45	27.4	<0.02	<10	230	0.53	0.34	0.81	0.25	34.5	12.8	26
YY13986		0.42	0.057	0.19	2.65	20.0	<0.02	<10	180	0.61	0.33	0.52	0.14	50.9	12.5	38
YY13987		0.37	0.004	0.32	3.89	29.1	<0.02	<10	300	0.78	0.47	0.59	0.28	51.6	15.0	26
YY13988		0.43	0.002	0.10	2.52	17.3	<0.02	<10	130	0.52	0.23	0.47	0.35	18.60	11.8	30
YY13989		0.34	0.006	0.24	2.01	14.5	<0.02	<10	180	0.37	0.39	0.33	0.33	11.55	11.3	27
YY13990		0.34	0.004	0.19	2.91	18.6	<0.02	<10	180	0.44	0.50	0.42	0.34	16.40	13.4	30
YY13991		0.40	0.004	0.16	3.36	36.1	<0.02	<10	220	0.65	0.36	0.38	0.26	24.2	15.3	29
YY13992		0.52	0.006	0.20	3.12	25.1	<0.02	<10	130	0.59	0.29	0.40	0.23	51.6	12.8	37
YY13993		0.48	0.004	0.53	3.84	18.8	<0.02	<10	360	0.72	0.26	0.62	0.28	37.3	16.9	35
YY13994		0.54	0.012	0.62	4.80	11.6	<0.02	<10	670	0.73	0.53	0.80	0.60	33.8	17.5	23
YY13995		0.43	0.004	0.16	2.42	20.2	<0.02	<10	150	0.57	0.28	0.52	0.11	39.3	11.6	41
YY13996		0.48	0.014	0.44	3.27	19.3	0.13	<10	310	0.69	0.83	0.45	0.48	41.8	15.1	29
YY13997		0.33	0.015	0.52	3.21	175.0	<0.02	<10	280	0.75	1.23	0.59	0.60	41.3	16.0	24
YY13998		0.35	0.019	0.30	1.88	32.0	<0.02	<10	180	0.48	0.47	1.48	0.31	33.0	13.6	25
YY13999		0.35	0.018	0.41	2.23	43.5	<0.02	<10	210	0.49	0.49	1.11	0.23	34.4	11.4	29
YY14000		0.55	0.011	0.29	2.06	25.2	<0.02	<10	180	0.45	0.33	1.01	0.36	33.2	13.6	30
YY15484		0.52	0.035	0.34	2.21	40.5	<0.02	<10	220	0.41	0.87	0.26	0.45	27.9	9.6	26
YY15485		0.56	0.057	1.03	3.51	84.5	0.04	<10	440	0.66	1.66	0.44	0.34	52.7	18.0	37
YY15486		0.49	0.074	0.44	2.73	75.9	0.02	<10	320	0.47	1.64	0.51	0.27	34.4	12.9	32
YY15487		0.59	0.034	0.44	2.59	52.6	0.02	<10	240	0.44	2.00	0.45	0.28	26.6	13.2	31
YY15488		0.34	0.022	0.58	2.67	95.3	<0.02	<10	240	0.50	1.38	0.29	0.35	25.5	13.3	32
YY15489		0.42	0.032	0.53	2.45	33.0	0.02	<10	280	0.49	1.19	0.45	0.21	32.1	12.5	32
YY15490		0.43	0.011	0.25	2.28	19.0	<0.02	<10	220	0.47	0.23	0.35	0.13	20.0	11.1	34
YY15491		0.33	0.026	0.42	2.48	34.2	<0.02	<10	290	0.59	0.33	0.62	0.24	38.7	14.0	30
YY15492		0.38	0.015	0.30	1.88	31.3	<0.02	<10	160	0.48	0.35	0.76	0.39	24.0	9.3	28
YY15493		0.36	0.096	0.40	2.72	69.9	<0.02	<10	260	0.67	0.61	0.57	0.28	34.9	12.7	29
YY15494		0.39	0.068	0.34	2.27	36.9	0.03	<10	120	0.50	0.81	0.41	0.20	20.4	10.1	32
YY15495		0.45	0.077	0.72	2.82	120.0	0.16	<10	110	0.65	1.53	0.39	0.44	17.40	10.3	28
YY15496		0.39	0.099	0.50	2.68	129.0	0.04	<10	100	0.66	1.24	0.35	0.52	16.05	10.2	27
YY15497		0.46	0.099	0.57	2.25	97.9	0.02	<10	110	0.63	1.43	0.38	0.40	20.1	10.0	25
YY15498		0.39	0.016	0.32	2.08	20.7	<0.02	<10	110	0.57	0.27	0.42	0.10	30.6	11.4	42
YY15499		0.44	0.072	0.54	2.08	42.5	0.03	<10	150	0.73	0.51	0.62	0.17	38.1	10.9	34
YY15500		0.49	0.021	0.31	2.23	32.2	<0.02	<10	160	0.62	0.36	0.56	0.14	31.7	11.2	37
YY12376		0.42	0.061	0.47	2.30	59.8	0.02	<10	140	0.82	1.56	0.46	0.58	32.1	12.2	29
YY12377		0.36	0.060	0.42	2.64	95.0	0.02	<10	130	0.88	1.48	0.59	1.24	31.3	14.8	34
YY12378		0.25	0.021	0.47	2.35	107.5	<0.02	<10	100	0.66	0.82	0.39	0.79	14.50	11.9	30
YY12379		0.34	0.011	0.24	2.40	67.3	<0.02	<10	160	0.59	0.49	0.41	0.38	19.80	11.9	30
YY12380		0.35	0.043	1.26	2.46	197.0	0.09	<10	120	0.58	0.91	0.35	0.41	17.40	10.5	32



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Sample Description	Method	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
	Analyte	Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na
Units		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
LOD		0.05	0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05	0.01
YY13983		0.81	25.7	3.65	8.15	0.05	0.09	0.02	0.045	0.14	9.7	13.8	0.70	296	3.43	0.02
YY13984		1.57	74.6	5.24	13.65	0.08	0.15	0.01	0.077	0.46	18.6	16.8	1.08	370	7.46	0.02
YY13985		1.54	64.9	4.33	9.09	0.11	0.18	0.02	0.051	0.26	18.4	17.8	0.96	492	4.10	0.03
YY13986		0.95	55.3	3.83	8.53	0.08	0.24	0.01	0.041	0.11	21.1	13.5	0.82	320	1.83	0.02
YY13987		1.65	44.5	4.67	13.70	0.07	0.13	0.01	0.064	0.29	17.8	18.9	0.99	457	1.36	0.02
YY13988		0.95	24.9	3.84	9.53	0.05	0.08	0.02	0.071	0.07	8.5	14.0	0.71	639	3.47	0.02
YY13989		0.70	15.4	3.35	7.33	<0.05	0.03	0.01	0.029	0.08	5.8	9.2	0.44	887	7.31	0.02
YY13990		1.51	34.1	4.64	10.60	0.05	0.09	0.01	0.042	0.16	7.9	15.3	0.96	372	9.25	0.02
YY13991		2.52	74.4	5.98	12.70	0.11	0.15	0.01	0.090	0.40	11.4	21.9	1.26	417	11.85	0.02
YY13992		1.39	52.7	4.43	9.93	0.06	0.13	0.01	0.063	0.16	19.8	18.2	0.91	319	9.51	0.02
YY13993		1.78	77.4	5.85	14.95	0.10	0.17	0.02	0.081	0.30	16.1	19.2	1.20	461	8.58	0.02
YY13994		3.01	132.5	6.73	18.90	0.18	0.11	0.01	0.091	0.64	12.4	19.2	1.47	615	8.26	0.03
YY13995		0.69	35.9	3.60	7.72	0.07	0.30	0.02	0.041	0.12	16.9	14.4	0.67	283	1.84	0.02
YY13996		1.25	47.3	4.49	11.40	0.06	0.13	0.02	0.069	0.30	17.0	15.2	0.83	381	3.77	0.02
YY13997		1.17	71.5	4.79	10.80	0.07	0.09	0.02	0.057	0.14	19.1	13.8	0.84	649	6.10	0.03
YY13998		1.38	62.5	3.39	7.68	0.11	0.09	0.03	0.047	0.15	19.1	14.3	0.71	409	12.65	0.03
YY13999		1.29	69.8	3.63	8.08	0.12	0.12	0.03	0.045	0.14	18.5	15.6	0.89	399	8.40	0.04
YY14000		1.03	55.9	3.52	7.51	0.11	0.16	0.02	0.043	0.13	17.6	14.9	0.87	430	5.40	0.04
YY15484		1.39	40.8	2.73	7.87	0.05	0.02	0.02	0.044	0.09	14.4	10.9	0.51	289	1.04	0.02
YY15485		2.72	103.5	4.67	10.20	0.11	0.06	0.06	0.088	0.22	31.3	20.1	0.91	452	2.15	0.02
YY15486		2.06	81.1	3.90	8.97	0.09	0.09	0.04	0.066	0.19	18.2	18.4	0.97	283	0.99	0.02
YY15487		2.92	58.3	3.53	8.40	0.08	0.07	0.03	0.074	0.18	13.6	19.8	0.92	359	0.82	0.02
YY15488		1.68	45.8	4.17	10.75	0.05	0.04	0.02	0.049	0.12	13.2	16.5	0.72	511	2.27	0.02
YY15489		1.39	72.8	2.99	7.99	0.06	0.03	0.03	0.045	0.08	18.1	13.6	0.63	373	1.65	0.02
YY15490		0.78	37.6	3.04	6.32	0.05	0.12	0.01	0.034	0.08	10.3	13.7	0.68	282	1.67	0.02
YY15491		1.57	80.4	3.57	7.41	0.09	0.06	0.04	0.068	0.13	21.1	14.8	0.74	566	2.86	0.02
YY15492		0.95	57.3	2.81	5.67	0.06	0.05	0.03	0.060	0.09	12.7	13.0	0.63	379	3.29	0.02
YY15493		1.65	119.0	4.57	8.77	0.10	0.11	0.01	0.103	0.18	17.8	16.5	0.97	398	7.40	0.03
YY15494		0.80	113.0	3.17	6.23	0.05	0.10	0.01	0.040	0.06	11.4	14.9	0.63	307	7.15	0.02
YY15495		0.94	108.0	4.21	8.08	0.05	0.13	0.02	0.062	0.07	8.6	14.4	0.73	244	12.25	0.02
YY15496		0.84	143.0	4.34	8.10	0.05	0.07	0.02	0.088	0.10	7.6	13.0	0.62	320	15.00	0.02
YY15497		1.02	164.0	4.23	7.35	<0.05	0.11	0.01	0.081	0.10	9.1	13.8	0.63	324	15.15	0.02
YY15498		0.53	71.6	3.25	6.33	0.07	0.31	0.02	0.041	0.08	15.7	12.3	0.67	274	3.12	0.03
YY15499		0.49	95.6	3.40	6.58	0.08	0.14	0.04	0.054	0.09	19.7	14.5	0.62	388	6.30	0.03
YY15500		0.80	57.2	3.69	7.31	0.07	0.18	0.03	0.054	0.08	13.9	15.7	0.74	391	6.64	0.03
YY12376		1.64	162.0	3.75	6.91	0.06	0.04	0.02	0.092	0.09	14.4	17.2	0.58	563	5.38	0.02
YY12377		1.18	125.0	4.05	7.97	0.05	0.05	0.02	0.055	0.07	15.0	14.0	0.59	402	7.80	0.02
YY12378		1.31	106.5	4.13	8.30	<0.05	0.04	0.01	0.043	0.08	7.4	16.4	0.52	265	14.20	0.02
YY12379		0.94	65.7	3.62	7.94	<0.05	0.03	0.01	0.038	0.09	9.5	14.1	0.64	367	12.25	0.02
YY12380		1.03	99.2	3.87	7.06	<0.05	0.07	0.02	0.073	0.09	8.6	13.5	0.63	262	8.00	0.01



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CERTIFICATE OF ANALYSIS WH19213275

Sample Description	Method Analyte Units LOD	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
		ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.05	0.2	10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.2	0.01	0.01	0.2
YY13983		1.59	21.4	230	9.7	11.7	<0.001	0.02	0.43	5.1	0.2	0.8	29.2	<0.01	0.04	4.6
YY13984		1.92	17.0	270	12.7	31.7	0.002	0.02	0.60	11.5	0.3	1.5	45.4	<0.01	0.05	11.5
YY13985		1.89	15.9	640	9.7	21.4	0.001	0.02	0.49	9.4	0.6	1.0	38.7	0.01	0.04	6.5
YY13986		1.55	20.3	330	7.5	11.8	<0.001	0.02	0.58	9.2	0.3	0.8	36.6	<0.01	0.10	8.8
YY13987		2.85	16.0	490	10.3	26.8	<0.001	0.03	0.43	10.1	0.4	1.2	55.5	<0.01	0.11	10.8
YY13988		1.91	21.2	620	11.4	9.5	<0.001	0.03	0.40	4.9	0.3	0.9	29.0	<0.01	0.05	2.8
YY13989		1.75	15.0	670	6.8	10.9	<0.001	0.03	0.38	2.5	0.2	0.5	26.0	<0.01	0.09	1.2
YY13990		3.28	19.4	510	7.8	24.0	<0.001	0.03	0.42	8.0	0.3	0.9	30.0	<0.01	0.08	3.2
YY13991		1.95	17.5	320	11.7	38.5	0.001	0.02	0.58	10.6	0.3	1.3	26.6	<0.01	0.05	8.5
YY13992		1.93	21.6	230	11.2	18.5	0.001	0.02	0.50	7.9	0.3	0.9	31.4	<0.01	0.05	9.5
YY13993		3.23	23.1	370	14.7	29.1	0.002	0.03	0.52	10.8	0.6	2.1	41.2	<0.01	0.04	10.9
YY13994		2.70	15.2	910	14.2	55.2	<0.001	0.03	0.30	11.8	0.5	2.8	50.4	<0.01	0.06	10.6
YY13995		1.12	21.7	260	7.3	10.6	<0.001	0.03	0.51	9.5	0.2	0.7	36.8	<0.01	0.06	6.0
YY13996		2.40	18.5	320	11.9	26.6	<0.001	0.05	0.59	9.1	0.3	1.1	40.4	<0.01	0.04	8.6
YY13997		2.23	13.7	390	15.8	11.2	<0.001	0.05	1.99	8.6	0.6	1.0	43.1	<0.01	0.27	9.4
YY13998		2.57	17.7	710	7.3	16.1	0.002	0.07	0.99	8.5	1.0	0.8	71.3	<0.01	0.10	3.6
YY13999		2.53	21.3	720	10.7	14.7	0.002	0.05	0.90	8.2	0.6	0.8	53.6	<0.01	0.11	3.6
YY14000		2.55	22.0	770	9.9	13.1	0.001	0.05	0.62	8.1	0.5	0.8	50.0	<0.01	0.04	4.6
YY15484		1.64	15.2	440	22.5	12.2	<0.001	0.04	0.47	4.3	0.6	1.0	23.6	0.01	0.21	1.4
YY15485		2.51	23.6	820	18.7	25.7	<0.001	0.06	0.71	11.8	1.0	1.5	29.6	<0.01	0.53	5.0
YY15486		2.92	18.3	700	11.6	24.7	<0.001	0.04	0.55	8.5	0.7	1.4	29.3	<0.01	0.38	5.5
YY15487		2.36	18.0	650	12.2	24.9	<0.001	0.04	0.54	7.8	0.6	1.3	28.3	<0.01	0.26	4.3
YY15488		2.51	18.5	370	19.5	22.2	<0.001	0.04	0.69	5.5	0.3	1.4	26.2	<0.01	0.37	2.8
YY15489		1.78	20.0	630	13.9	15.1	<0.001	0.04	0.34	5.2	0.6	0.9	34.1	<0.01	0.33	1.6
YY15490		1.10	21.1	240	10.3	8.1	<0.001	0.02	0.58	4.8	0.2	0.8	26.6	<0.01	0.06	3.9
YY15491		1.82	17.7	530	11.0	17.6	<0.001	0.04	0.62	7.6	0.4	1.1	40.0	<0.01	0.07	3.6
YY15492		1.09	16.2	580	7.8	9.4	<0.001	0.04	0.77	5.0	0.6	0.8	44.6	<0.01	0.07	1.7
YY15493		1.99	17.5	390	12.2	20.4	<0.001	0.04	0.98	8.0	0.8	1.7	36.7	<0.01	0.10	5.9
YY15494		1.31	18.4	240	7.8	6.9	0.001	0.03	0.57	4.1	0.6	0.8	32.3	<0.01	0.20	2.7
YY15495		1.17	15.8	180	14.1	7.7	<0.001	0.04	1.40	4.6	0.8	1.6	37.7	<0.01	0.37	2.6
YY15496		1.13	15.8	190	20.0	10.6	0.001	0.03	1.29	3.9	1.0	1.7	35.5	<0.01	0.37	2.4
YY15497		1.03	14.1	210	31.5	14.3	0.001	0.03	1.25	4.2	0.8	1.3	35.6	<0.01	0.45	2.5
YY15498		0.68	22.6	130	6.6	7.8	<0.001	0.02	0.45	7.6	0.2	0.7	35.2	<0.01	0.07	4.0
YY15499		1.26	20.1	290	8.4	7.3	<0.001	0.03	0.74	7.0	0.8	0.7	43.1	<0.01	0.12	3.3
YY15500		0.88	19.4	400	7.4	9.2	0.001	0.02	0.64	8.3	0.4	0.8	38.7	<0.01	0.10	4.3
YY12376		0.99	18.2	510	15.4	11.7	<0.001	0.04	1.16	4.0	0.8	0.8	40.0	<0.01	0.22	1.7
YY12377		1.40	22.0	320	13.1	10.4	<0.001	0.04	1.08	4.2	0.4	0.8	36.1	<0.01	0.51	1.8
YY12378		1.52	18.3	310	12.4	16.8	<0.001	0.03	1.11	3.2	0.5	0.7	27.8	<0.01	0.22	1.6
YY12379		1.58	18.8	330	11.2	11.8	<0.001	0.03	0.68	4.5	0.4	0.7	31.7	<0.01	0.14	2.0
YY12380		1.35	21.8	230	47.8	11.0	<0.001	0.03	1.03	3.7	0.6	0.7	33.1	<0.01	0.42	2.5



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Sample Description	Method Analyte Units LOD	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
		Ti %	Ti ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
		0.005	0.02	0.05	1	0.05	0.05	2	0.5
YY13983		0.126	0.12	0.57	86	0.23	3.99	67	3.4
YY13984		0.244	0.21	1.10	122	0.24	7.71	98	5.3
YY13985		0.195	0.15	1.22	102	0.24	14.60	84	5.9
YY13986		0.174	0.11	1.29	94	0.23	7.38	65	8.7
YY13987		0.230	0.20	0.97	113	0.86	7.12	87	4.5
YY13988		0.132	0.08	0.75	86	0.25	5.30	89	3.4
YY13989		0.096	0.09	0.37	74	0.17	1.99	113	1.3
YY13990		0.202	0.15	0.74	109	0.22	4.66	101	3.1
YY13991		0.258	0.26	0.88	138	0.18	5.84	103	5.1
YY13992		0.186	0.14	1.16	105	0.27	6.34	79	5.0
YY13993		0.346	0.24	1.04	145	0.36	7.43	96	5.8
YY13994		0.424	0.43	1.08	160	0.58	7.62	138	3.5
YY13995		0.143	0.09	0.78	85	0.25	8.49	55	11.5
YY13996		0.179	0.19	1.11	100	0.22	6.90	114	4.6
YY13997		0.092	0.20	1.20	101	0.28	8.02	117	3.0
YY13998		0.128	0.09	2.10	72	0.47	17.80	69	4.0
YY13999		0.156	0.11	2.79	81	0.18	14.65	82	4.6
YY14000		0.156	0.10	0.90	81	0.19	13.45	82	6.2
YY15484		0.102	0.13	1.20	66	0.17	6.96	60	0.8
YY15485		0.161	0.29	3.83	97	0.54	18.95	110	2.5
YY15486		0.220	0.26	1.83	92	0.40	9.89	88	3.5
YY15487		0.184	0.24	1.03	84	0.29	6.71	100	2.8
YY15488		0.142	0.19	0.89	99	0.25	6.55	99	2.0
YY15489		0.102	0.14	2.52	68	0.20	8.44	67	1.2
YY15490		0.116	0.09	0.95	72	0.20	5.53	55	4.3
YY15491		0.132	0.15	2.19	80	0.43	16.20	77	2.2
YY15492		0.085	0.08	1.18	59	0.19	10.40	72	1.8
YY15493		0.175	0.19	1.65	98	0.19	10.40	88	4.2
YY15494		0.090	0.09	0.81	68	0.17	6.75	52	3.4
YY15495		0.085	0.11	0.63	74	0.19	4.31	75	5.0
YY15496		0.069	0.13	0.58	70	0.19	3.81	94	3.4
YY15497		0.071	0.13	0.63	71	0.19	4.56	100	4.2
YY15498		0.124	0.07	1.06	75	0.18	9.85	50	12.8
YY15499		0.098	0.06	2.26	70	0.28	21.0	57	5.4
YY15500		0.123	0.08	1.58	80	0.19	11.55	63	7.6
YY12376		0.047	0.13	1.28	62	0.25	9.97	100	1.3
YY12377		0.069	0.12	1.00	72	0.18	9.72	87	2.1
YY12378		0.067	0.11	0.49	79	0.18	2.84	80	1.8
YY12379		0.087	0.11	0.65	77	0.25	4.96	82	1.5
YY12380		0.080	0.10	0.55	69	0.28	3.57	84	2.6



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		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Au ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm
YY12381		0.40	0.119	0.23	2.52	121.5	0.06	<10	100	0.89	2.67	0.47	0.44	20.5	13.9	27
YY12382		0.37	0.003	0.30	2.66	22.0	<0.02	<10	150	0.76	0.22	0.35	0.41	19.35	10.6	35
YY12383		0.47	0.056	0.41	2.23	189.0	0.04	<10	80	0.75	2.32	0.40	0.67	24.2	10.8	23
YY12384		0.33	0.029	0.29	2.68	43.1	0.04	<10	150	0.73	0.90	0.41	0.32	21.1	11.8	35
YY12385		0.57	0.049	0.19	2.37	76.2	0.04	<10	110	0.68	0.99	0.34	0.17	22.6	9.0	32
YY12386		0.56	0.020	0.21	2.46	74.2	0.03	<10	140	0.73	0.61	0.41	0.12	33.9	9.9	37
YY12387		0.33	0.032	0.24	2.48	72.8	<0.02	<10	110	0.82	0.69	0.43	0.56	20.9	10.0	26
YY12388		0.48	0.013	0.39	2.40	32.4	0.10	<10	150	0.77	0.43	0.54	0.13	45.3	11.5	44
YY12389		0.41	0.005	0.43	2.41	19.8	<0.02	<10	110	0.87	0.26	0.53	0.47	29.7	11.3	33
YY12390		0.35	0.013	0.14	1.91	30.9	<0.02	<10	90	0.64	0.37	0.54	0.40	24.0	9.7	29
YY12391		0.31	0.007	0.15	2.01	12.7	<0.02	<10	130	0.40	0.25	0.44	0.56	13.85	9.5	31
YY12392		0.43	0.011	0.20	1.99	29.3	0.02	<10	170	0.61	0.29	0.58	0.15	36.3	10.5	31
YY12393		0.50	0.007	0.47	3.91	43.0	<0.02	<10	250	0.68	0.56	0.44	0.37	24.0	16.0	35
YY12394		0.44	0.022	0.16	2.83	24.0	0.02	<10	280	0.57	0.43	0.52	0.11	43.7	13.9	43
YY12395		0.38	0.005	0.13	2.14	15.1	<0.02	<10	200	0.52	0.23	0.52	0.12	31.9	10.3	30
YY12396		0.39	0.007	0.33	2.60	11.4	<0.02	<10	240	0.44	0.23	0.52	0.16	21.7	12.3	30
YY12397		0.37	0.003	0.26	2.39	18.4	<0.02	<10	190	0.60	0.33	0.35	0.11	36.8	11.9	40
YY12398		0.51	0.016	0.24	2.04	37.8	<0.02	<10	170	0.56	0.42	0.46	0.12	29.1	10.8	37
YY12399		0.60	0.012	0.61	2.19	51.9	<0.02	<10	330	0.44	0.52	0.55	1.48	34.2	9.5	28
YY12400		0.43	0.003	0.25	2.95	39.3	0.02	<10	190	0.46	0.44	0.28	2.06	15.15	10.6	33
YY15951		0.37	0.025	0.69	2.31	158.5	<0.02	<10	200	0.82	0.92	0.48	0.47	40.0	12.4	28
YY15952		0.36	0.013	0.50	2.31	44.8	<0.02	<10	150	0.65	0.42	0.46	0.20	32.5	10.0	37
YY15953		0.43	0.030	0.43	1.91	49.3	0.02	<10	140	0.62	0.36	0.49	0.11	36.3	7.7	32
YY15954		0.35	0.034	0.37	2.35	23.2	<0.02	<10	170	0.61	0.37	0.47	0.35	23.1	12.6	35
YY15955		0.37	0.277	0.26	2.57	61.0	<0.02	<10	130	0.74	0.57	0.53	0.23	33.8	10.6	34
YY15956		0.35	0.029	0.22	2.63	93.4	0.02	<10	120	0.77	0.68	0.56	0.22	36.8	9.9	37
YY15957		0.43	0.184	0.40	2.79	116.5	0.02	<10	180	0.60	0.64	0.80	0.55	33.6	10.4	22
YY15958		0.36	0.055	0.38	2.12	94.3	0.03	<10	130	0.63	0.79	1.10	0.33	30.5	7.1	22
YY15959		0.44	0.043	0.37	2.24	86.0	0.03	<10	140	0.70	0.71	0.97	0.34	33.5	8.3	23
YY15960		0.37	0.062	0.42	2.04	63.0	0.02	<10	130	0.68	0.81	1.02	0.45	39.0	9.4	23
YY15961		0.34	0.023	0.29	1.93	56.9	<0.02	<10	150	0.61	0.63	1.44	0.23	32.9	7.8	22
YY15962		0.32	0.030	0.19	1.94	58.5	0.02	<10	160	0.62	0.60	1.08	0.24	32.5	7.4	22
YY15963		0.33	0.051	0.43	3.74	203	0.16	<10	250	0.87	3.14	0.43	0.51	37.9	20.8	28
YY15964		0.46	0.037	0.24	2.81	24.0	<0.02	<10	230	0.73	0.55	0.54	0.12	51.5	14.8	49
YY15965		0.49	0.020	0.24	2.57	133.0	0.02	<10	240	0.53	0.84	0.73	0.24	30.5	11.6	33
YY15966		0.40	0.021	0.09	2.89	49.8	<0.02	<10	220	0.76	0.50	0.63	0.14	41.6	12.6	43
YY15967		0.42	0.031	0.25	2.84	101.0	0.02	<10	280	0.46	0.40	0.88	0.23	29.4	10.6	22
YY15968		0.37	0.026	0.30	2.99	138.0	<0.02	<10	170	0.63	0.44	0.44	0.22	33.4	12.4	40
YY15969		0.39	0.004	0.18	2.72	44.4	<0.02	<10	170	0.64	0.43	0.40	0.12	30.9	11.6	49
YY15970		0.39	0.024	0.20	4.09	35.9	<0.02	<10	210	0.85	0.45	0.56	0.26	41.3	13.9	35



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Sample Description	Method Analyte Units LOD	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
		0.05	0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05	0.01
YY12381		1.52	176.5	4.41	7.47	<0.05	0.04	0.03	0.095	0.06	9.6	14.7	0.54	391	8.61	0.02
YY12382		1.37	24.3	3.60	8.21	<0.05	0.04	0.02	0.040	0.05	8.7	13.8	0.63	395	2.34	0.02
YY12383		1.36	175.0	4.36	7.19	<0.05	0.05	0.02	0.161	0.10	10.6	15.8	0.55	343	6.78	0.02
YY12384		1.09	63.8	3.50	7.70	0.05	0.07	0.02	0.052	0.07	10.3	15.7	0.67	322	3.74	0.02
YY12385		1.00	96.0	3.47	6.85	0.05	0.08	0.01	0.040	0.08	10.8	14.6	0.68	255	4.90	0.02
YY12386		0.85	85.6	3.60	7.09	0.06	0.17	0.02	0.042	0.07	15.9	14.4	0.73	263	4.26	0.02
YY12387		1.14	57.6	4.95	7.60	<0.05	0.07	0.01	0.081	0.13	8.8	14.9	0.58	663	8.08	0.02
YY12388		0.64	49.2	3.57	7.03	0.06	0.24	0.03	0.048	0.09	13.6	13.7	0.70	328	2.91	0.02
YY12389		0.76	31.0	3.71	7.15	0.07	0.08	0.02	0.068	0.09	13.7	10.9	0.48	406	7.69	0.02
YY12390		0.68	55.0	3.41	5.89	0.07	0.08	0.02	0.060	0.11	9.9	11.3	0.52	351	12.35	0.02
YY12391		0.62	21.7	3.24	7.23	<0.05	0.04	0.02	0.036	0.08	7.1	12.0	0.47	353	9.38	0.02
YY12392		0.71	38.9	3.43	6.50	0.09	0.12	0.03	0.040	0.09	19.2	12.3	0.70	485	8.35	0.03
YY12393		1.69	37.7	5.43	12.00	0.07	0.10	0.02	0.050	0.33	9.7	17.4	1.06	379	10.30	0.02
YY12394		0.98	55.2	4.46	8.79	0.11	0.31	0.02	0.046	0.16	20.3	15.4	1.00	352	5.60	0.02
YY12395		1.20	35.5	3.63	7.07	0.07	0.15	0.02	0.042	0.17	15.0	15.3	0.80	358	5.71	0.02
YY12396		1.40	46.4	4.15	8.56	0.08	0.14	0.02	0.040	0.23	12.3	15.2	0.93	363	8.44	0.02
YY12397		0.80	27.6	3.47	7.16	0.06	0.25	0.02	0.036	0.19	12.9	12.2	0.67	273	2.06	0.02
YY12398		0.79	43.5	3.22	6.26	0.07	0.23	0.03	0.035	0.10	16.5	12.1	0.67	322	1.95	0.02
YY12399		1.16	18.2	3.37	6.89	0.08	0.06	0.03	0.092	0.12	18.5	13.7	0.74	403	0.71	0.02
YY12400		1.22	12.7	4.60	9.65	<0.05	0.07	0.03	0.077	0.07	7.9	20.6	0.61	324	1.35	0.02
YY15951		1.06	91.3	4.21	7.29	0.06	0.11	0.02	0.057	0.18	17.4	14.4	0.58	648	8.75	0.02
YY15952		0.59	49.4	3.53	6.83	0.07	0.15	0.02	0.045	0.12	14.3	13.2	0.57	341	4.53	0.02
YY15953		0.49	62.4	3.40	5.95	0.09	0.20	0.02	0.050	0.13	18.5	12.9	0.59	273	4.02	0.02
YY15954		0.65	27.8	3.55	7.68	0.05	0.08	0.02	0.046	0.08	10.2	12.0	0.53	556	8.21	0.02
YY15955		0.69	53.6	4.11	7.92	0.07	0.14	0.03	0.063	0.10	13.0	14.4	0.65	358	8.57	0.02
YY15956		0.65	64.8	4.11	8.03	0.07	0.20	0.01	0.057	0.15	13.9	15.3	0.72	288	6.50	0.02
YY15957		1.28	47.0	4.97	10.10	0.11	0.08	0.02	0.057	0.43	14.2	14.5	0.79	357	11.70	0.02
YY15958		0.87	72.8	3.71	7.19	0.09	0.12	0.03	0.071	0.11	16.4	13.7	0.62	311	12.85	0.02
YY15959		1.18	90.6	4.16	7.92	0.13	0.13	0.02	0.065	0.15	23.8	14.8	0.71	385	15.20	0.03
YY15960		1.00	89.3	3.81	7.34	0.11	0.15	0.03	0.073	0.11	18.7	15.1	0.61	488	20.8	0.03
YY15961		0.77	71.8	3.11	6.49	0.09	0.10	0.03	0.059	0.08	16.0	12.0	0.55	451	19.35	0.03
YY15962		0.72	75.8	3.34	6.37	0.08	0.12	0.04	0.059	0.10	15.6	11.7	0.57	552	13.00	0.03
YY15963		2.32	199.0	5.56	10.75	0.07	0.17	0.01	0.065	0.27	17.8	22.0	1.10	376	2.95	0.02
YY15964		0.80	34.3	3.91	8.06	0.13	0.35	0.03	0.043	0.10	36.5	17.5	0.85	393	1.97	0.02
YY15965		1.28	62.7	4.11	8.39	0.09	0.17	0.02	0.042	0.19	14.4	16.1	0.94	400	7.48	0.03
YY15966		1.05	48.4	4.32	8.61	0.07	0.26	0.04	0.043	0.12	17.6	16.3	1.03	343	6.99	0.03
YY15967		1.67	45.5	4.65	10.25	0.14	0.17	0.02	0.069	0.33	15.5	15.7	0.92	393	12.10	0.03
YY15968		0.94	48.6	4.31	8.55	0.08	0.19	0.02	0.048	0.18	12.9	14.5	0.81	289	6.22	0.02
YY15969		0.62	32.7	3.71	7.35	0.07	0.28	0.02	0.040	0.15	11.7	12.5	0.72	261	4.00	0.02
YY15970		1.72	45.4	5.73	12.70	0.10	0.24	0.05	0.057	0.47	12.8	15.6	1.09	320	10.95	0.02



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		Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
		ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.05	0.2	10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.2	0.01	0.01	0.2
YY12381		1.39	17.2	430	16.0	8.0	<0.001	0.04	2.92	3.7	0.9	1.1	40.3	0.01	0.74	1.8
YY12382		1.44	20.9	310	11.2	11.1	<0.001	0.03	0.64	4.0	0.2	1.0	29.1	<0.01	0.04	2.0
YY12383		1.11	13.7	310	19.6	14.8	<0.001	0.04	2.81	3.3	0.9	1.5	42.0	<0.01	0.19	1.8
YY12384		1.45	22.5	290	8.8	11.6	<0.001	0.04	0.66	4.2	0.4	0.8	41.0	<0.01	0.12	2.0
YY12385		1.18	20.4	210	7.4	10.0	<0.001	0.04	0.97	4.4	0.7	0.7	36.4	<0.01	0.13	2.4
YY12386		0.98	22.7	170	6.9	7.6	<0.001	0.03	1.23	5.5	0.5	0.6	39.6	<0.01	0.16	3.2
YY12387		0.84	15.4	340	8.5	13.2	<0.001	0.03	2.13	4.5	0.6	0.8	46.2	<0.01	0.22	2.6
YY12388		1.13	25.5	180	6.4	7.6	<0.001	0.03	0.69	7.7	0.4	0.7	50.5	<0.01	0.13	4.0
YY12389		0.82	17.9	260	9.9	6.5	0.001	0.03	0.64	5.1	0.3	0.7	42.9	<0.01	0.05	2.7
YY12390		1.12	16.1	260	9.3	8.3	<0.001	0.03	0.78	4.9	0.5	0.6	40.8	<0.01	0.09	2.4
YY12391		1.40	16.4	390	9.6	10.2	<0.001	0.03	0.41	3.1	0.2	0.7	29.2	<0.01	0.05	1.2
YY12392		1.30	19.2	430	6.3	9.0	0.001	0.03	0.63	7.0	0.3	0.7	35.2	<0.01	0.09	4.0
YY12393		2.95	24.5	390	9.6	31.2	<0.001	0.04	0.69	7.0	0.3	1.2	38.0	<0.01	0.05	4.2
YY12394		1.10	24.2	180	7.4	14.5	<0.001	0.03	0.54	9.7	0.2	0.9	35.4	<0.01	0.05	8.9
YY12395		1.32	16.4	310	7.3	16.3	<0.001	0.03	0.45	7.5	0.3	1.2	32.4	<0.01	0.03	6.5
YY12396		1.72	16.8	360	9.3	27.9	<0.001	0.03	0.37	5.8	0.3	1.2	28.6	<0.01	0.04	5.4
YY12397		1.13	20.5	210	7.5	17.3	<0.001	0.03	0.46	7.0	0.2	0.8	25.4	<0.01	0.05	7.0
YY12398		0.68	18.8	390	7.4	11.3	<0.001	0.03	0.68	7.1	0.4	0.7	29.6	<0.01	0.09	5.5
YY12399		1.67	13.8	700	111.5	17.3	<0.001	0.05	0.45	5.8	0.4	1.2	32.1	<0.01	0.02	5.8
YY12400		2.02	16.6	340	27.8	13.2	<0.001	0.05	0.48	4.3	0.3	1.1	25.3	<0.01	0.04	2.6
YY15951		1.13	18.0	400	15.5	11.0	<0.001	0.02	1.41	5.7	0.8	0.5	37.9	<0.01	0.42	3.4
YY15952		1.32	22.0	200	9.6	8.3	<0.001	0.02	0.57	6.3	0.5	0.7	41.2	<0.01	0.12	3.3
YY15953		1.03	20.6	210	9.2	5.9	<0.001	0.02	0.64	7.1	0.5	0.6	36.2	<0.01	0.08	4.0
YY15954		1.33	21.9	340	10.8	6.2	<0.001	0.02	0.53	5.1	0.3	0.7	36.3	<0.01	0.08	2.4
YY15955		1.43	22.4	290	11.8	10.1	<0.001	0.02	0.75	6.9	0.7	0.8	42.6	<0.01	0.17	3.5
YY15956		1.37	23.3	270	13.5	11.4	<0.001	0.02	0.87	7.6	0.5	0.8	38.0	<0.01	0.21	5.0
YY15957		3.15	12.1	450	17.1	22.4	<0.001	0.02	0.72	6.9	0.6	1.2	67.6	0.01	0.10	6.3
YY15958		1.77	12.6	540	19.8	9.3	0.002	0.04	1.10	6.5	1.2	0.8	72.0	<0.01	0.20	3.1
YY15959		2.18	13.1	570	16.7	11.9	0.002	0.03	1.22	7.5	1.4	1.0	58.2	<0.01	0.17	5.8
YY15960		2.01	15.4	570	29.2	9.8	0.004	0.03	1.23	7.2	1.4	1.0	61.3	<0.01	0.18	4.5
YY15961		1.67	13.4	670	12.6	7.1	0.006	0.09	1.19	5.1	1.8	0.7	80.3	<0.01	0.15	2.1
YY15962		1.74	14.3	650	10.9	7.5	0.004	0.06	1.05	5.5	1.3	0.7	64.2	<0.01	0.14	2.6
YY15963		1.43	18.5	290	15.2	24.5	<0.001	0.05	2.33	8.4	0.9	1.3	54.2	<0.01	1.43	13.5
YY15964		0.85	27.5	320	7.5	9.7	<0.001	0.01	0.43	10.7	0.3	0.9	38.3	<0.01	0.03	7.3
YY15965		1.59	18.9	550	16.9	17.2	0.001	0.02	0.92	8.1	0.5	1.1	44.5	0.01	0.08	5.8
YY15966		1.28	25.3	400	7.0	12.1	0.001	0.01	0.53	7.7	0.3	1.0	41.3	<0.01	0.07	7.7
YY15967		1.87	11.4	720	7.2	24.7	0.001	0.01	0.96	8.6	0.4	1.7	45.5	0.01	0.06	8.0
YY15968		1.10	22.2	270	8.4	16.5	<0.001	0.01	1.25	8.3	0.3	1.0	39.8	<0.01	0.16	6.8
YY15969		1.16	27.0	240	7.0	10.8	<0.001	0.01	0.53	7.9	0.3	0.8	34.4	<0.01	0.08	6.1
YY15970		2.40	24.0	320	10.9	33.9	0.001	0.02	0.58	11.9	0.4	1.2	45.1	<0.01	0.17	8.1



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Method Analyte Units LOD	ME-MS41 Ti %	ME-MS41 Ti ppm	ME-MS41 U ppm	ME-MS41 V ppm	ME-MS41 W ppm	ME-MS41 Y ppm	ME-MS41 Zn ppm	ME-MS41 Zr ppm
Sample Description	0.005	0.02	0.05	1	0.05	0.05	2	0.5
YY12381	0.069	0.11	0.91	66	0.30	6.06	102	1.9
YY12382	0.078	0.14	0.44	81	0.16	4.85	95	2.0
YY12383	0.048	0.15	0.77	57	0.32	6.08	146	1.6
YY12384	0.083	0.12	0.60	70	0.18	4.55	82	2.8
YY12385	0.102	0.12	0.73	64	0.17	5.83	67	3.4
YY12386	0.109	0.09	0.86	71	0.15	7.44	60	6.6
YY12387	0.049	0.13	0.80	67	0.15	5.92	91	2.6
YY12388	0.128	0.07	0.82	78	0.16	7.73	60	8.9
YY12389	0.044	0.09	0.64	69	0.13	10.50	70	3.3
YY12390	0.085	0.07	0.77	64	0.25	5.42	62	3.2
YY12391	0.091	0.07	0.44	77	0.15	3.40	63	1.6
YY12392	0.124	0.07	1.26	75	0.18	13.30	61	4.5
YY12393	0.277	0.20	0.74	123	0.40	4.33	93	3.9
YY12394	0.213	0.13	1.43	105	0.21	7.67	69	12.4
YY12395	0.159	0.12	1.22	83	0.20	10.80	63	5.2
YY12396	0.238	0.19	0.93	99	0.20	8.07	73	4.7
YY12397	0.158	0.11	0.86	85	0.24	5.06	53	8.5
YY12398	0.134	0.09	1.07	75	0.23	11.90	57	8.4
YY12399	0.146	0.16	1.36	77	0.34	8.68	204	2.2
YY12400	0.122	0.11	0.58	94	0.17	3.24	193	2.6
YY15951	0.070	0.12	0.99	63	0.13	9.51	81	4.1
YY15952	0.095	0.08	1.01	69	0.18	11.95	58	5.8
YY15953	0.110	0.06	0.97	66	0.14	12.40	53	7.6
YY15954	0.083	0.09	0.76	75	0.15	5.47	65	3.3
YY15955	0.096	0.08	1.50	78	0.17	8.39	63	5.1
YY15956	0.124	0.08	1.39	80	0.19	8.56	74	7.8
YY15957	0.236	0.15	1.80	106	0.46	9.08	97	2.9
YY15958	0.101	0.08	3.31	66	0.18	14.60	89	4.2
YY15959	0.136	0.10	3.41	80	0.23	20.2	89	4.7
YY15960	0.108	0.09	2.99	67	0.33	15.65	88	5.9
YY15961	0.086	0.06	3.43	61	0.17	12.95	67	3.2
YY15962	0.093	0.07	2.72	61	0.22	13.10	69	4.6
YY15963	0.193	0.25	1.75	116	0.35	6.33	110	5.3
YY15964	0.150	0.09	2.44	95	0.21	15.35	63	12.7
YY15965	0.202	0.14	1.90	98	0.23	10.30	83	5.8
YY15966	0.210	0.11	1.58	104	0.27	6.87	69	8.7
YY15967	0.287	0.18	3.29	108	0.30	10.55	89	5.1
YY15968	0.147	0.11	1.41	91	0.25	7.51	77	6.8
YY15969	0.136	0.08	0.93	86	0.21	5.71	56	9.5
YY15970	0.297	0.20	1.28	123	0.37	6.47	92	8.1



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Sample Description	Method Analyte Units LOD	WEI-21	Au-ICP21	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Au ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm
YY15971		0.36	0.013	0.17	2.32	22.6	<0.02	<10	100	0.47	0.34	0.39	0.15	15.50	10.2	36
YY15972		0.30	0.026	0.21	2.48	59.4	<0.02	<10	160	0.69	0.85	0.50	0.54	17.30	12.6	25
YY15973		0.42	0.214	0.17	2.42	240	0.22	<10	130	1.08	2.70	0.30	0.61	26.2	7.4	15
YY15974		0.31	0.104	0.34	1.92	51.4	<0.02	<10	150	0.38	0.67	0.39	0.27	18.70	6.9	25
YY15975		0.31	0.078	0.48	1.95	205	0.03	<10	120	0.49	1.11	0.46	0.64	15.55	8.9	26
YY15976		0.33	0.127	2.08	2.14	304	0.08	<10	150	0.80	1.31	0.55	1.17	35.9	12.0	28
YY15977		0.38	0.028	0.22	2.23	52.4	<0.02	<10	150	0.68	0.72	0.63	0.34	34.2	12.0	34
YY15978		0.35	0.034	0.33	1.93	158.0	<0.02	<10	120	0.56	0.71	0.56	0.22	28.3	10.9	32
YY15979		0.42	0.020	0.29	1.86	200	<0.02	<10	120	0.69	0.54	0.53	0.38	31.6	7.4	22
YY15980		0.31	0.010	0.53	2.15	37.1	<0.02	<10	180	0.56	0.52	0.47	0.61	15.80	13.1	30
YY15981		0.34	0.025	0.73	1.86	54.3	0.04	<10	110	0.39	0.60	0.36	0.81	14.25	6.2	24
YY15982		0.26	0.020	0.22	1.83	66.2	<0.02	<10	100	0.39	0.48	0.21	0.33	14.80	6.1	25
YY15983		0.37	0.112	0.19	2.09	47.1	0.30	<10	110	0.65	1.05	0.50	0.24	22.1	9.7	26
YY15984		0.43	0.012	0.11	4.10	35.4	<0.02	<10	300	0.68	0.32	0.43	0.22	21.8	15.7	35
YY15985		0.38	0.008	0.11	4.98	16.0	<0.02	<10	450	0.87	0.65	0.80	0.35	47.5	16.1	25
YY15986		0.47	0.007	0.25	2.19	19.6	<0.02	<10	230	0.42	0.28	0.58	0.12	24.6	9.8	34
YY15987		0.36	0.030	0.31	2.39	22.0	<0.02	<10	290	0.51	0.56	1.19	0.30	35.1	13.6	24
YY15988		0.37	0.018	0.16	1.96	21.8	<0.02	<10	210	0.49	0.40	0.86	0.13	28.8	9.5	28
YY15989		0.43	0.019	0.14	2.37	30.1	<0.02	<10	240	0.50	0.52	0.60	0.15	33.9	12.3	30
YY15990		0.38	0.012	0.14	1.92	29.7	<0.02	<10	190	0.52	0.44	0.89	0.17	27.4	8.6	26
YY15991		0.41	0.009	0.08	2.34	42.1	<0.02	<10	100	0.54	0.60	0.35	0.31	21.2	7.6	28
YY15992		0.38	0.006	0.10	1.84	28.3	<0.02	<10	140	0.54	0.59	0.50	0.08	28.2	8.2	33
YY15993		0.43	0.005	0.26	2.42	25.1	<0.02	<10	170	0.64	0.34	0.47	0.38	20.9	9.6	29
YY15994		0.38	0.020	0.22	2.23	110.0	<0.02	<10	150	0.79	0.83	0.47	0.25	19.80	8.0	20
YY15995		0.41	0.023	0.29	2.37	58.1	<0.02	<10	130	0.69	0.68	0.50	0.16	29.0	9.1	36
YY15996		0.38	0.022	0.36	2.11	100.5	<0.02	<10	140	0.60	0.55	0.52	0.29	33.1	10.1	33
YY15997		0.33	0.044	1.72	2.46	192.5	0.02	<10	100	0.80	0.95	0.45	0.50	23.3	10.8	32
YY15998		0.33	0.004	0.35	2.51	56.0	<0.02	<10	120	0.56	0.38	0.44	0.16	15.95	8.7	32
YY15999		0.43	0.001	0.73	2.65	47.1	<0.02	<10	100	0.63	0.30	0.45	0.63	13.60	13.3	34
YY16000		0.29	0.024	0.43	2.38	69.8	<0.02	<10	110	0.64	1.00	0.46	0.57	15.10	11.3	29
YY17747		0.40	0.031	0.06	2.38	29.5	<0.02	<10	150	0.58	0.34	0.87	0.19	33.2	8.8	32
YY17748		0.49	0.013	0.20	2.00	39.5	<0.02	<10	120	0.58	0.32	0.43	0.28	25.4	11.8	27
YY17749		0.45	0.005	0.14	1.73	20.8	<0.02	<10	120	0.31	0.24	0.44	0.30	22.0	6.8	27
YY17750		0.35	0.009	0.13	1.77	12.5	<0.02	<10	130	0.30	0.26	0.42	0.19	20.4	6.6	28
YY17751		0.47	0.046	0.16	1.91	15.8	0.02	<10	150	0.36	0.30	0.44	0.25	25.7	6.7	28
YY17752		0.33	0.005	0.09	1.73	14.2	<0.02	<10	130	0.27	0.25	0.37	0.21	20.5	6.0	27
YY17753		0.31	0.005	0.16	1.86	18.8	<0.02	<10	130	0.31	0.30	0.36	0.14	19.15	8.4	29
YY17754		0.42	0.010	0.14	1.90	17.1	<0.02	<10	150	0.27	0.38	0.38	0.16	20.3	10.2	27
YY17755		0.38	0.008	0.23	2.21	15.4	<0.02	<10	180	0.26	0.52	0.40	0.17	22.0	8.0	31
YY17756		0.41	0.006	0.19	2.55	114.0	<0.02	<10	140	0.67	0.23	0.41	0.42	21.8	10.6	34



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Sample Description	Method Analyte Units LOD	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
		0.05	0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05	0.01
YY15971		0.55	33.9	3.26	6.55	0.05	0.08	0.01	0.029	0.11	7.9	12.1	0.61	285	7.88	0.02
YY15972		0.62	51.0	4.06	7.75	0.05	0.07	0.02	0.040	0.13	9.0	10.9	0.60	431	13.15	0.02
YY15973		1.97	199.0	5.57	7.49	0.06	0.04	0.01	0.042	0.13	12.2	13.3	0.48	223	32.1	0.01
YY15974		1.02	37.8	3.20	7.59	<0.05	0.04	0.01	0.024	0.10	9.2	12.2	0.50	258	8.83	0.02
YY15975		1.15	93.5	3.78	7.19	<0.05	0.03	0.03	0.029	0.08	8.0	13.5	0.44	258	11.60	0.02
YY15976		1.77	318	3.85	6.25	0.08	0.05	0.04	0.063	0.09	18.7	17.0	0.55	316	19.80	0.02
YY15977		0.74	85.4	3.43	6.34	0.06	0.22	0.02	0.057	0.07	13.9	13.5	0.63	415	4.42	0.03
YY15978		0.70	102.5	3.38	5.70	0.07	0.11	0.03	0.052	0.08	13.5	12.9	0.64	383	6.70	0.03
YY15979		0.79	71.5	3.50	6.23	0.06	0.06	0.01	0.057	0.20	13.2	15.8	0.56	338	10.50	0.02
YY15980		0.95	51.4	3.62	6.88	0.05	0.05	0.01	0.028	0.11	8.2	10.4	0.46	507	4.87	0.02
YY15981		0.58	53.9	2.96	5.64	<0.05	0.05	0.02	0.032	0.11	7.6	10.6	0.41	200	10.85	0.01
YY15982		1.05	30.2	3.41	7.44	0.05	0.04	0.01	0.024	0.07	7.8	12.2	0.38	161	10.65	0.02
YY15983		1.20	92.9	3.54	5.96	0.06	0.19	0.01	0.033	0.09	9.8	12.4	0.59	278	22.8	0.02
YY15984		2.50	63.9	5.99	12.05	0.08	0.20	0.02	0.061	0.37	10.2	20.6	1.38	391	11.40	0.02
YY15985		3.02	54.3	6.12	14.70	0.11	0.19	0.01	0.076	0.48	13.2	13.6	1.38	575	9.38	0.03
YY15986		0.98	46.0	3.53	6.91	0.09	0.17	0.02	0.033	0.16	16.4	14.0	0.78	353	3.96	0.03
YY15987		1.79	81.3	4.26	8.90	0.15	0.13	0.03	0.049	0.39	25.0	18.5	0.98	472	12.70	0.03
YY15988		0.81	46.9	3.34	6.42	0.09	0.09	0.03	0.038	0.13	15.2	13.3	0.75	380	10.00	0.03
YY15989		1.36	60.4	4.16	7.74	0.11	0.16	0.02	0.042	0.25	15.2	13.6	0.95	372	7.78	0.03
YY15990		0.61	40.3	3.28	6.26	0.07	0.09	0.02	0.045	0.11	11.6	12.0	0.61	458	10.15	0.03
YY15991		0.74	52.7	3.72	7.19	<0.05	0.05	0.01	0.062	0.09	8.7	12.2	0.52	238	9.89	0.02
YY15992		0.48	30.4	2.81	5.39	0.09	0.20	0.03	0.034	0.07	15.8	12.3	0.56	281	2.63	0.02
YY15993		0.68	27.9	3.48	7.30	0.06	0.05	0.02	0.049	0.08	9.0	10.5	0.47	570	6.03	0.02
YY15994		0.78	81.0	4.14	7.09	0.05	0.08	0.02	0.082	0.13	8.8	12.1	0.47	352	7.26	0.02
YY15995		0.57	54.5	3.62	6.85	0.07	0.15	0.02	0.064	0.08	10.4	12.3	0.59	345	3.96	0.02
YY15996		0.60	53.5	3.34	6.33	0.07	0.12	0.02	0.045	0.12	14.5	13.9	0.58	396	3.55	0.02
YY15997		1.21	85.5	4.37	7.52	0.06	0.07	0.02	0.080	0.14	10.0	13.9	0.56	393	9.80	0.02
YY15998		0.85	69.9	3.68	6.92	<0.05	0.08	0.01	0.036	0.08	8.3	14.6	0.65	249	8.05	0.02
YY15999		0.93	41.0	3.69	8.10	<0.05	0.03	0.02	0.031	0.07	7.0	13.4	0.62	310	5.12	0.02
YY16000		1.24	100.5	4.27	7.28	<0.05	0.03	0.02	0.055	0.08	7.2	14.4	0.54	357	7.68	0.02
YY17747		0.84	47.9	3.91	7.72	0.09	0.17	0.02	0.063	0.08	16.4	15.6	0.75	382	14.00	0.03
YY17748		1.18	29.6	2.64	5.77	0.06	0.04	0.05	0.071	0.06	12.1	15.4	0.56	697	1.60	0.02
YY17749		1.03	22.3	2.27	5.51	0.06	0.03	0.03	0.053	0.06	11.0	13.4	0.56	207	0.79	0.02
YY17750		0.92	21.3	1.99	5.40	0.06	0.03	0.03	0.044	0.06	9.9	12.6	0.53	234	0.68	0.02
YY17751		1.06	24.4	2.34	5.90	0.06	0.03	0.03	0.050	0.06	12.9	13.5	0.59	173	0.79	0.02
YY17752		0.98	15.4	2.19	5.58	0.05	0.02	0.03	0.034	0.05	10.6	11.9	0.51	142	0.66	0.02
YY17753		1.00	16.2	2.75	5.78	0.06	0.02	0.03	0.038	0.05	9.6	12.2	0.55	232	1.34	0.02
YY17754		1.02	16.2	2.68	5.75	0.05	0.03	0.04	0.037	0.06	10.0	12.6	0.59	288	0.81	0.02
YY17755		1.14	19.2	2.50	6.31	0.05	0.03	0.04	0.038	0.07	10.8	14.2	0.65	281	0.52	0.02
YY17756		1.21	33.0	3.36	7.06	0.05	0.04	0.02	0.049	0.06	10.5	15.8	0.61	382	1.50	0.02



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		Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
		ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.05	0.2	10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.01	0.01	0.2	
YY15971		1.61	21.5	210	6.7	11.9	<0.001	0.02	0.51	4.3	0.2	0.6	32.8	<0.01	0.13	2.2
YY15972		1.28	15.5	250	7.9	12.3	<0.001	0.02	1.15	4.6	0.5	0.8	43.9	<0.01	0.37	2.3
YY15973		1.01	11.0	330	15.2	18.7	0.001	0.02	3.22	3.4	1.3	0.6	30.4	<0.01	1.41	3.3
YY15974		1.95	13.8	370	8.0	18.9	<0.001	0.02	0.53	3.4	<0.2	0.7	30.0	<0.01	0.20	1.5
YY15975		1.71	16.1	420	12.7	12.6	<0.001	0.03	1.82	3.1	0.5	0.6	36.3	<0.01	0.52	1.6
YY15976		1.41	19.0	430	34.1	11.5	<0.001	0.03	1.70	4.4	1.6	0.6	39.1	<0.01	0.57	2.8
YY15977		1.66	22.9	120	8.1	7.4	<0.001	0.01	0.69	5.5	0.6	0.6	40.5	<0.01	0.16	3.2
YY15978		1.37	20.2	220	9.4	7.7	<0.001	0.02	1.53	5.0	0.8	0.6	38.3	<0.01	0.13	2.6
YY15979		0.93	13.7	290	11.3	16.8	<0.001	0.02	2.06	3.3	0.4	0.7	30.5	<0.01	0.10	2.5
YY15980		1.44	18.3	240	8.2	14.5	<0.001	0.02	0.68	3.0	0.3	0.6	39.2	<0.01	0.12	1.5
YY15981		1.06	14.3	170	15.5	6.8	<0.001	0.02	0.94	2.4	0.4	0.5	26.8	<0.01	0.23	1.7
YY15982		1.80	13.5	250	9.4	10.0	<0.001	0.02	0.67	2.8	0.3	0.8	18.0	<0.01	0.16	1.7
YY15983		1.37	18.2	320	12.5	9.2	<0.001	0.02	0.78	4.0	0.6	0.6	50.1	<0.01	0.34	3.1
YY15984		1.82	24.2	320	9.9	41.8	0.001	0.02	0.56	11.6	0.6	1.3	36.3	<0.01	0.12	6.2
YY15985		2.35	17.4	760	11.9	44.1	0.001	0.02	0.31	10.4	0.2	2.0	55.6	0.02	0.05	18.0
YY15986		1.77	19.4	390	6.4	14.4	<0.001	0.02	0.46	6.4	0.3	0.9	33.8	<0.01	0.02	4.4
YY15987		4.30	15.0	680	9.6	32.9	0.001	0.03	0.66	8.5	0.7	1.4	48.2	0.01	0.06	9.5
YY15988		2.14	19.6	530	6.5	13.1	0.001	0.02	0.54	6.7	0.5	0.7	39.5	<0.01	0.10	3.4
YY15989		1.52	17.8	560	6.9	24.0	0.001	0.01	0.52	7.2	0.6	1.1	31.1	<0.01	0.09	6.6
YY15990		1.89	17.4	410	6.7	9.1	<0.001	0.01	0.66	5.7	0.6	0.7	49.4	<0.01	0.09	2.7
YY15991		1.25	15.6	240	8.5	9.9	<0.001	0.01	0.70	4.5	0.4	0.8	28.9	<0.01	0.12	2.3
YY15992		1.07	21.3	190	5.6	5.9	<0.001	0.01	0.57	6.2	0.4	0.6	35.7	<0.01	0.22	3.5
YY15993		1.26	17.1	300	8.2	5.5	<0.001	0.01	0.57	4.6	0.4	0.8	35.3	<0.01	0.08	2.1
YY15994		1.18	12.5	280	9.7	11.8	<0.001	0.02	1.53	4.6	0.7	0.8	43.9	<0.01	0.24	2.5
YY15995		1.05	20.0	210	7.7	6.2	<0.001	0.01	0.77	6.5	0.6	0.7	41.4	<0.01	0.16	3.2
YY15996		1.42	21.1	210	12.8	10.2	<0.001	0.01	0.79	5.9	0.7	0.6	41.4	<0.01	0.17	3.0
YY15997		1.30	18.5	270	16.6	16.3	<0.001	0.02	2.79	4.7	0.7	0.8	38.6	<0.01	0.33	2.4
YY15998		1.54	19.8	220	6.5	11.6	<0.001	0.01	0.98	4.2	0.4	0.7	43.8	<0.01	0.08	2.1
YY15999		1.64	20.8	330	8.2	10.4	<0.001	0.02	0.73	3.6	0.3	0.7	42.9	<0.01	0.07	1.0
YY16000		1.45	18.5	420	12.6	11.5	<0.001	0.02	1.31	3.2	0.5	0.8	33.6	<0.01	0.33	1.1
YY17747		1.85	17.1	500	8.2	8.0	0.001	0.01	0.65	7.9	0.9	1.0	48.5	<0.01	0.10	4.2
YY17748		1.13	15.7	600	11.5	8.0	<0.001	0.03	0.54	3.9	0.6	1.0	25.3	<0.01	0.04	1.7
YY17749		1.16	15.7	710	9.9	8.8	<0.001	0.03	0.39	3.6	0.5	0.8	25.7	<0.01	0.03	1.4
YY17750		1.20	15.6	660	9.9	6.6	<0.001	0.04	0.42	3.8	0.6	0.8	24.2	<0.01	0.03	1.3
YY17751		1.36	16.0	760	10.3	8.3	<0.001	0.03	0.38	4.3	0.6	0.8	25.1	<0.01	0.05	1.7
YY17752		1.32	14.8	700	7.9	8.4	<0.001	0.03	0.31	3.7	0.3	0.7	22.6	<0.01	0.04	1.3
YY17753		1.27	14.8	730	7.9	7.1	<0.001	0.03	0.34	3.6	0.5	0.7	22.4	<0.01	0.05	1.1
YY17754		1.27	14.9	730	8.2	8.6	<0.001	0.02	0.31	4.1	0.3	0.8	21.9	<0.01	0.07	1.6
YY17755		1.44	15.8	610	9.8	10.5	<0.001	0.03	0.35	5.1	0.5	0.9	23.8	<0.01	0.09	2.0
YY17756		1.53	21.6	650	11.4	10.0	<0.001	0.01	0.57	4.4	0.4	0.9	27.3	<0.01	0.05	1.8



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Sample Description	Method Analyte Units LOD	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
		Ti %	Ti ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
		0.005	0.02	0.05	1	0.05	0.05	2	0.5
YY15971		0.112	0.09	0.53	72	0.17	3.46	55	3.0
YY15972		0.058	0.11	0.66	78	0.17	5.23	93	3.0
YY15973		0.027	0.15	1.39	49	0.21	6.86	99	1.9
YY15974		0.105	0.10	0.77	74	0.19	4.29	53	1.6
YY15975		0.081	0.11	0.74	72	0.30	3.45	93	1.2
YY15976		0.062	0.11	3.08	60	0.22	14.30	138	1.7
YY15977		0.098	0.10	1.07	74	0.17	9.64	56	7.9
YY15978		0.094	0.08	0.89	68	0.24	9.76	62	4.1
YY15979		0.032	0.10	0.78	52	0.10	7.13	67	2.2
YY15980		0.071	0.12	0.42	70	0.15	2.63	82	2.0
YY15981		0.025	0.12	0.41	58	0.12	2.36	79	1.9
YY15982		0.089	0.09	0.39	82	0.20	2.24	57	1.5
YY15983		0.098	0.08	0.99	60	0.30	6.36	75	7.0
YY15984		0.333	0.28	0.88	141	0.55	6.25	95	6.0
YY15985		0.386	0.30	1.57	151	0.32	8.17	123	5.7
YY15986		0.170	0.10	1.61	87	0.21	14.35	59	6.1
YY15987		0.280	0.23	5.34	107	0.29	22.2	84	4.3
YY15988		0.155	0.08	1.43	76	0.43	12.50	62	3.6
YY15989		0.251	0.18	1.51	102	0.23	7.46	75	5.2
YY15990		0.132	0.06	1.00	71	0.20	7.77	57	3.3
YY15991		0.088	0.10	0.67	73	0.19	4.51	60	1.6
YY15992		0.107	0.06	1.19	63	0.16	12.95	46	7.0
YY15993		0.069	0.10	0.53	69	0.14	4.45	62	2.1
YY15994		0.058	0.09	0.70	62	0.19	5.04	63	2.5
YY15995		0.100	0.07	0.74	68	0.21	7.77	57	5.4
YY15996		0.101	0.07	0.78	66	0.31	11.30	65	4.0
YY15997		0.080	0.11	0.78	69	0.19	5.66	90	3.0
YY15998		0.101	0.12	0.62	68	0.18	3.66	67	2.7
YY15999		0.089	0.12	0.45	82	0.15	2.96	103	1.0
YY16000		0.064	0.09	0.56	73	0.37	3.35	99	1.2
YY17747		0.158	0.09	1.80	84	0.21	13.75	73	6.7
YY17748		0.066	0.10	1.44	56	0.15	6.37	81	1.3
YY17749		0.075	0.11	0.87	53	0.26	5.86	76	0.9
YY17750		0.085	0.11	0.89	50	0.12	5.79	60	1.1
YY17751		0.091	0.12	1.08	58	0.24	6.60	66	1.1
YY17752		0.092	0.10	0.69	59	0.24	4.70	63	0.7
YY17753		0.087	0.11	0.70	68	0.13	4.61	61	0.7
YY17754		0.098	0.12	0.63	63	0.20	4.85	66	0.9
YY17755		0.112	0.13	0.82	64	0.13	5.59	73	1.2
YY17756		0.092	0.10	0.58	76	0.32	6.11	89	1.7



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Sample Description	Method	WEI-21	Au-ICP21	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
	Analyte	Recvd Wt.	Au	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr
Units		kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
LOD		0.02	0.001	0.01	0.01	0.1	0.02	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
YY17757		0.42	<0.001	0.31	2.48	25.5	<0.02	<10	130	0.50	0.18	0.43	1.40	18.10	10.0	37
YY17758		0.36	0.003	0.30	2.31	45.2	<0.02	<10	120	0.51	0.18	0.48	0.41	20.3	8.8	33
YY17759		0.37	0.002	0.33	2.30	48.9	<0.02	<10	150	0.59	0.49	0.52	0.70	20.6	11.3	35
YY17760		0.36	0.015	0.39	2.15	48.2	<0.02	<10	160	0.55	0.39	0.52	1.04	22.5	11.7	33
YY17761		0.45	0.009	0.49	3.07	68.8	<0.02	<10	180	1.05	0.43	0.57	0.35	35.3	14.7	45
YY17762		0.38	0.020	0.22	2.38	53.8	<0.02	<10	150	0.63	0.81	0.53	0.34	28.2	10.1	36
YY17763		0.40	0.035	0.44	2.27	54.4	0.02	<10	130	0.54	0.66	0.72	0.42	29.4	8.4	29
YY17764		0.46	0.047	0.40	1.98	46.9	<0.02	<10	170	0.60	0.78	0.90	0.28	30.0	8.8	28
YY17765		0.43	0.004	0.20	2.12	14.1	<0.02	<10	180	0.48	0.18	0.43	0.19	19.45	9.9	30
YY17766		0.36	0.005	0.23	2.24	20.2	<0.02	<10	160	0.41	0.20	0.43	0.11	17.65	8.8	31
YY17767		0.31	0.044	0.12	2.31	172.0	0.02	<10	170	0.51	0.49	0.42	0.25	26.6	12.2	28
YY17768		0.36	0.026	0.20	2.67	12.9	<0.02	<10	190	0.46	0.23	0.34	0.20	17.95	12.4	34
YY17769		0.45	<0.001	0.23	3.92	21.4	<0.02	<10	280	0.61	0.26	0.48	0.37	23.0	11.8	27
YY17770		0.54	0.001	0.38	3.41	12.3	<0.02	<10	250	0.69	0.19	0.61	0.49	30.3	14.3	32
YY17771		0.42	0.018	0.44	2.86	48.3	<0.02	<10	310	0.54	0.78	0.60	0.63	31.7	12.7	35
YY17772		0.36	0.015	0.90	2.65	93.2	<0.02	<10	170	0.50	0.75	0.42	0.73	18.25	9.6	33
YY17773		0.45	0.017	0.39	2.82	58.6	<0.02	<10	260	0.65	0.62	0.52	0.31	41.2	13.1	39
YY17774		0.48	0.064	0.26	2.96	105.0	0.02	<10	220	0.51	0.89	0.48	0.48	23.7	12.8	33
YY17775		0.39	0.013	0.18	2.00	18.0	<0.02	<10	150	0.45	0.34	0.41	0.12	26.7	8.9	36
YY17776		0.40	0.030	0.40	2.79	48.5	<0.02	<10	170	0.71	0.77	0.52	0.33	34.3	12.5	32
YY17777		0.42	0.005	1.14	3.24	92.7	<0.02	<10	90	0.68	0.71	0.29	0.76	17.70	11.8	31
YY17779		0.43	0.019	0.44	3.22	54.7	<0.02	<10	200	0.73	0.47	0.46	0.31	27.8	13.2	35
YY17780		0.40	0.011	0.21	3.16	32.8	<0.02	<10	300	0.59	0.52	0.55	0.22	29.1	12.7	31
YY17781		0.43	0.020	0.32	2.46	44.8	0.02	<10	220	0.41	1.12	0.62	0.15	25.8	9.3	29
YY17782		0.43	0.004	0.95	4.07	26.2	<0.02	<10	240	0.83	0.65	0.35	0.37	28.0	14.5	35
YY17783		0.46	0.009	0.08	2.76	29.8	<0.02	<10	140	0.78	0.51	0.47	0.19	32.8	12.6	34
YY17784		0.36	0.103	0.20	1.81	16.9	<0.02	<10	260	0.42	0.31	0.71	0.10	34.2	10.6	30
YY17785		0.41	0.037	0.14	2.88	23.5	0.03	<10	260	0.42	0.29	0.43	0.33	24.9	17.6	29
YY17786		0.39	0.006	0.15	3.50	152.0	<0.02	<10	430	0.64	0.67	0.52	0.36	38.8	16.7	16
YY17787		0.42	0.020	0.08	2.23	104.0	<0.02	<10	170	0.62	0.77	0.45	0.15	42.5	11.3	31
YY17788		0.39	0.006	0.26	3.43	218	<0.02	<10	210	0.94	1.84	0.39	0.55	44.0	14.6	20
YY17789		0.30	0.029	0.30	2.49	46.6	0.02	<10	200	0.55	0.69	1.03	0.17	36.0	9.8	26
YY17790		0.42	0.021	0.38	2.83	71.6	<0.02	<10	160	0.66	0.61	1.25	0.65	34.2	10.1	25
YY17791		0.31	0.027	0.55	2.20	65.5	0.02	<10	160	0.52	0.58	1.64	0.41	40.1	9.0	23
YY17792		0.42	0.053	0.26	1.80	34.6	0.03	<10	100	0.41	0.73	0.94	0.27	31.2	7.6	24
YY17793		0.47	0.029	0.78	2.37	35.8	0.02	<10	300	0.45	1.38	0.57	0.35	37.2	12.0	33
YY17794		0.28	0.103	5.66	2.27	54.9	0.06	<10	140	0.67	2.67	0.29	0.94	38.1	8.5	25
YY17795		0.21	0.012	0.31	1.65	17.5	<0.02	<10	160	0.38	0.39	0.34	0.55	23.0	6.1	25
YY17796		0.35	0.041	2.27	4.30	493	<0.02	<10	340	0.97	4.15	0.44	1.80	28.8	24.4	28
YY17797		0.34	0.037	0.36	3.99	93.5	0.05	<10	280	0.71	1.96	0.26	0.90	32.9	19.0	25



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		Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
		0.05	0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05	0.01
YY17757		1.09	20.7	3.63	7.69	0.05	0.07	0.02	0.043	0.07	9.2	17.7	0.62	330	1.46	0.02
YY17758		0.84	30.8	2.99	6.29	0.05	0.06	0.02	0.047	0.07	9.7	12.8	0.64	318	1.46	0.02
YY17759		0.60	27.1	3.25	6.88	<0.05	0.06	0.02	0.050	0.14	9.3	13.4	0.61	465	2.13	0.02
YY17760		0.66	39.8	3.28	6.89	0.06	0.06	0.01	0.055	0.11	10.9	11.5	0.54	672	2.92	0.02
YY17761		0.74	60.4	4.13	8.35	0.07	0.09	0.02	0.070	0.14	17.5	14.5	0.68	625	3.42	0.02
YY17762		0.47	59.2	3.62	7.17	0.07	0.12	0.02	0.057	0.14	12.8	14.0	0.72	363	3.29	0.02
YY17763		0.66	105.5	3.23	6.58	0.08	0.08	0.02	0.041	0.13	15.7	13.7	0.58	359	6.06	0.02
YY17764		0.50	80.6	3.03	5.73	0.08	0.07	0.03	0.045	0.07	14.9	12.1	0.52	544	6.23	0.02
YY17765		0.53	24.0	3.28	6.53	<0.05	0.03	0.02	0.034	0.10	9.8	12.5	0.58	383	16.55	0.02
YY17766		0.74	27.5	3.17	6.60	0.05	0.12	0.01	0.030	0.05	8.6	14.1	0.64	293	6.23	0.02
YY17767		1.17	56.8	4.33	7.45	0.11	0.10	0.01	0.034	0.18	12.1	14.7	0.88	358	11.05	0.03
YY17768		1.01	22.3	3.85	7.49	0.07	0.12	0.02	0.040	0.09	8.7	17.7	0.67	284	5.56	0.02
YY17769		1.50	38.8	4.76	11.95	0.05	0.07	0.02	0.069	0.18	10.5	18.8	0.93	324	5.91	0.02
YY17770		1.13	25.4	4.69	11.15	0.05	0.11	0.02	0.053	0.14	13.8	15.7	0.86	437	4.24	0.02
YY17771		1.60	83.1	4.07	8.52	0.05	0.08	0.03	0.062	0.19	15.8	19.7	0.86	450	3.47	0.02
YY17772		1.44	50.5	3.66	8.54	0.05	0.06	0.02	0.044	0.07	9.7	15.3	0.64	257	4.97	0.02
YY17773		1.38	93.6	3.73	7.73	0.07	0.11	0.03	0.051	0.09	24.0	18.6	0.88	406	1.73	0.03
YY17774		1.76	90.4	4.29	8.78	0.06	0.07	0.02	0.070	0.10	12.0	19.2	0.86	381	3.20	0.02
YY17775		0.82	40.3	2.86	6.06	0.05	0.15	0.02	0.024	0.06	14.1	14.0	0.69	318	1.19	0.02
YY17776		1.46	112.5	3.67	7.71	0.06	0.19	0.03	0.063	0.08	17.4	21.2	0.73	358	4.42	0.02
YY17777		1.44	65.9	4.30	9.16	<0.05	0.06	0.02	0.084	0.07	9.0	18.8	0.65	282	4.87	0.02
YY17779		1.29	81.1	4.25	8.67	0.05	0.09	0.01	0.072	0.12	12.6	22.3	0.88	348	4.00	0.02
YY17780		2.25	67.0	5.16	10.50	0.10	0.16	0.01	0.085	0.36	12.8	19.7	1.18	393	3.88	0.03
YY17781		1.01	57.8	3.86	7.99	0.06	0.15	0.02	0.048	0.14	12.8	16.8	0.84	309	2.98	0.03
YY17782		1.97	86.5	5.10	11.40	0.05	0.07	0.02	0.061	0.27	13.2	21.6	1.06	347	3.59	0.02
YY17783		0.77	66.6	4.19	8.49	0.05	0.14	0.01	0.046	0.10	13.0	18.1	0.88	305	5.12	0.02
YY17784		0.78	44.8	3.03	5.97	0.08	0.09	0.02	0.022	0.11	18.3	13.4	0.72	458	1.81	0.03
YY17785		1.92	46.9	4.61	10.20	0.08	0.06	0.01	0.028	0.30	11.5	18.8	0.94	433	2.80	0.03
YY17786		1.72	73.6	4.71	11.10	<0.05	0.03	0.01	0.037	0.13	14.2	23.9	0.83	574	4.25	0.02
YY17787		1.32	29.3	3.66	6.99	0.06	0.12	0.01	0.022	0.16	16.3	15.6	0.77	374	2.25	0.02
YY17788		1.47	69.7	5.73	10.15	0.06	0.03	0.02	0.049	0.12	22.2	18.5	1.07	515	26.7	0.02
YY17789		1.69	61.8	4.31	9.02	0.11	0.10	0.04	0.040	0.17	19.6	17.9	0.91	332	20.2	0.03
YY17790		1.57	88.1	4.95	11.30	0.17	0.17	0.02	0.051	0.30	23.1	19.8	0.98	388	21.2	0.03
YY17791		0.84	77.9	3.37	7.02	0.07	0.06	0.04	0.038	0.09	22.6	13.5	0.63	518	21.1	0.03
YY17792		0.67	55.9	2.77	6.20	0.08	0.09	0.03	0.047	0.08	15.7	11.4	0.55	326	14.60	0.03
YY17793		2.45	65.4	3.78	6.95	0.09	0.09	0.04	0.049	0.20	19.6	16.6	0.88	357	1.16	0.03
YY17794		1.68	95.8	2.80	5.54	0.05	<0.02	0.11	0.054	0.07	21.4	9.7	0.37	274	1.82	0.02
YY17795		1.14	43.8	2.20	5.46	<0.05	<0.02	0.04	0.024	0.06	12.2	8.2	0.41	179	1.36	0.02
YY17796		3.20	134.0	6.82	12.95	0.05	0.05	0.05	0.107	0.18	13.3	23.1	1.02	358	3.18	0.02
YY17797		2.44	106.0	6.29	12.75	<0.05	0.04	0.03	0.101	0.19	13.4	19.6	0.88	369	2.74	0.02



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Sample Description	Method	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
	Analyte	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
Units		ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
LOD		0.05	0.2	10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.2	0.01	0.01	0.2
YY17757		1.74	25.6	310	8.7	12.0	<0.001	0.01	0.41	4.2	0.2	0.8	31.1	<0.01	0.04	1.8
YY17758		1.47	21.6	220	7.7	10.8	<0.001	0.01	0.41	4.0	0.2	0.9	40.3	<0.01	0.04	1.7
YY17759		1.44	21.7	240	10.9	12.0	<0.001	0.01	0.51	4.1	0.4	1.0	45.0	<0.01	0.04	1.7
YY17760		1.38	20.7	350	10.4	12.0	<0.001	0.02	0.63	4.2	0.3	1.0	40.0	<0.01	0.07	1.5
YY17761		1.44	27.4	360	12.5	13.7	<0.001	0.02	0.59	7.0	0.5	1.1	43.3	<0.01	0.08	2.6
YY17762		1.57	22.3	240	11.4	7.7	<0.001	0.01	0.59	5.7	0.6	1.4	38.6	<0.01	0.13	2.7
YY17763		1.62	17.6	390	7.0	11.8	0.001	0.03	0.79	5.3	1.3	0.7	45.3	<0.01	0.20	2.1
YY17764		1.29	19.0	460	7.2	5.7	0.001	0.02	0.79	5.1	0.9	0.6	67.5	<0.01	0.14	2.1
YY17765		1.33	18.1	420	6.8	11.2	<0.001	0.01	0.32	3.7	0.4	0.6	29.0	<0.01	0.04	1.7
YY17766		1.55	21.5	250	6.0	8.2	<0.001	0.01	0.38	4.2	0.3	0.6	34.9	<0.01	0.04	2.3
YY17767		2.30	18.8	530	7.9	19.0	<0.001	0.02	2.44	6.0	0.5	0.8	25.6	<0.01	0.18	6.0
YY17768		2.48	24.1	540	7.5	12.0	<0.001	0.01	0.36	4.5	0.4	0.8	21.5	<0.01	0.03	2.7
YY17769		3.16	17.8	340	11.9	19.4	<0.001	0.01	0.63	6.2	<0.2	1.7	39.4	<0.01	0.04	7.5
YY17770		2.74	20.6	290	12.9	12.8	<0.001	0.01	0.51	7.0	0.3	2.1	34.0	<0.01	0.03	8.0
YY17771		2.32	23.1	540	13.4	20.0	<0.001	0.01	0.58	7.7	0.3	1.3	40.4	<0.01	0.10	4.9
YY17772		1.89	19.5	260	18.8	13.4	<0.001	0.01	0.76	4.7	0.2	1.1	27.9	<0.01	0.23	2.6
YY17773		1.46	26.0	320	17.5	11.4	<0.001	<0.01	0.44	8.5	0.3	1.1	32.9	<0.01	0.18	6.1
YY17774		1.92	22.6	440	27.8	14.1	<0.001	0.01	0.75	6.6	0.2	1.5	35.3	<0.01	0.30	3.9
YY17775		1.13	22.1	180	8.5	9.4	<0.001	<0.01	0.40	6.1	<0.2	0.8	29.6	<0.01	0.07	4.5
YY17776		1.70	19.3	390	11.9	10.4	<0.001	<0.01	0.53	5.7	0.3	1.0	44.3	<0.01	0.08	4.6
YY17777		1.61	20.6	230	11.7	13.7	<0.001	0.01	1.15	4.0	0.2	1.5	28.5	<0.01	0.08	2.3
YY17779		2.08	23.9	290	9.6	16.4	<0.001	0.01	0.71	6.6	<0.2	1.5	37.1	<0.01	0.07	5.3
YY17780		2.39	18.7	300	10.7	33.2	<0.001	0.01	0.49	9.9	<0.2	2.2	34.1	<0.01	0.06	7.2
YY17781		1.78	17.5	370	8.3	14.3	<0.001	<0.01	0.50	6.8	<0.2	1.3	36.9	<0.01	0.05	4.9
YY17782		2.05	22.6	300	10.0	30.4	<0.001	0.01	0.47	9.3	0.4	1.6	36.6	<0.01	0.10	5.6
YY17783		1.21	22.5	220	9.2	11.5	<0.001	<0.01	1.25	7.7	<0.2	0.9	30.2	<0.01	0.09	7.4
YY17784		1.88	18.5	660	7.2	10.2	<0.001	<0.01	0.45	6.6	0.2	0.7	37.0	<0.01	0.04	5.0
YY17785		3.58	18.0	770	8.8	32.1	<0.001	0.01	0.49	5.5	0.2	1.3	22.1	<0.01	0.07	4.4
YY17786		1.95	12.2	800	11.3	17.2	<0.001	0.01	1.46	9.2	0.3	1.3	33.4	<0.01	0.39	10.0
YY17787		1.04	17.5	340	9.6	14.5	0.001	0.01	0.85	6.9	<0.2	0.8	29.0	<0.01	0.31	10.2
YY17788		0.44	12.8	310	17.2	13.4	<0.001	0.01	1.44	9.2	0.5	1.3	38.7	<0.01	0.21	12.8
YY17789		3.05	15.7	590	8.8	18.4	0.001	0.03	1.03	10.0	0.3	1.1	59.3	<0.01	0.11	5.7
YY17790		4.23	12.4	680	12.4	22.0	0.002	0.02	1.17	11.5	1.1	1.8	59.3	0.01	0.14	9.2
YY17791		2.32	14.4	610	10.2	10.8	0.003	0.06	1.34	6.3	1.7	0.8	85.3	<0.01	0.14	2.5
YY17792		1.74	13.3	560	9.3	7.9	0.002	0.04	0.71	5.2	0.7	0.9	53.7	<0.01	0.16	2.7
YY17793		1.74	19.4	790	50.7	26.3	<0.001	0.01	0.96	8.7	0.5	1.4	37.1	<0.01	0.38	6.2
YY17794		1.05	13.8	960	379	11.6	<0.001	0.07	1.51	3.5	1.3	0.8	24.3	<0.01	0.84	0.5
YY17795		0.94	15.2	740	9.3	10.0	<0.001	0.03	0.34	2.0	0.3	0.7	25.4	<0.01	0.08	0.2
YY17796		3.49	20.9	460	197.5	26.3	<0.001	0.04	4.88	9.2	1.6	3.3	49.8	0.01	1.94	5.1
YY17797		2.55	17.8	410	28.4	24.3	<0.001	0.02	1.69	8.3	0.8	2.3	27.8	<0.01	0.48	6.0



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Sample Description	Method Analyte Units LOD	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Ti %	Ti ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
		0.005	0.02	0.05	1	0.05	0.05	2	0.5
YY17757		0.110	0.10	0.45	82	0.22	4.06	78	3.0
YY17758		0.102	0.08	0.49	68	0.37	4.82	73	2.3
YY17759		0.094	0.09	0.51	73	0.16	4.52	84	2.2
YY17760		0.096	0.10	0.60	72	0.21	7.49	110	1.8
YY17761		0.104	0.10	1.12	83	0.19	12.35	89	3.2
YY17762		0.118	0.09	0.82	71	0.29	8.93	76	4.2
YY17763		0.103	0.08	2.19	60	0.16	13.75	63	2.5
YY17764		0.082	0.05	2.56	58	0.17	13.65	58	2.5
YY17765		0.091	0.07	0.58	77	0.17	5.55	52	1.5
YY17766		0.120	0.07	0.49	75	0.18	3.64	47	3.9
YY17767		0.191	0.14	1.34	89	0.29	6.02	78	3.2
YY17768		0.161	0.09	0.53	85	0.21	3.68	59	4.1
YY17769		0.237	0.18	0.67	116	0.25	3.86	103	2.7
YY17770		0.242	0.20	0.74	112	0.17	5.33	105	4.2
YY17771		0.150	0.17	1.78	92	0.54	9.30	99	3.0
YY17772		0.111	0.15	0.75	90	0.20	4.18	109	2.8
YY17773		0.155	0.18	2.06	86	0.28	12.90	101	4.7
YY17774		0.147	0.19	0.93	91	0.18	7.21	126	3.3
YY17775		0.131	0.09	0.90	69	0.19	7.62	62	6.5
YY17776		0.092	0.16	1.42	79	0.17	9.47	88	7.1
YY17777		0.053	0.17	0.54	84	0.17	2.98	89	2.5
YY17779		0.125	0.17	1.12	90	0.19	6.53	90	3.8
YY17780		0.261	0.34	1.02	120	0.19	6.75	97	5.3
YY17781		0.177	0.14	0.86	91	0.22	7.28	73	5.7
YY17782		0.197	0.27	1.03	116	0.15	6.66	93	2.8
YY17783		0.127	0.13	0.93	91	0.17	5.28	69	5.3
YY17784		0.138	0.10	1.73	73	0.21	13.50	61	4.1
YY17785		0.273	0.27	0.79	118	0.29	5.62	77	2.3
YY17786		0.065	0.22	1.43	109	0.43	9.62	88	0.9
YY17787		0.113	0.13	1.52	85	0.22	7.35	61	4.5
YY17788		0.021	0.20	2.21	89	0.31	7.06	89	1.5
YY17789		0.187	0.17	2.63	92	0.18	15.90	81	4.5
YY17790		0.291	0.18	4.93	117	0.40	16.35	103	6.3
YY17791		0.114	0.09	4.24	70	0.33	19.50	69	2.6
YY17792		0.100	0.07	2.03	54	0.17	11.90	68	3.3
YY17793		0.181	0.33	2.09	86	0.16	12.75	113	4.0
YY17794		0.054	0.18	3.28	51	0.15	12.00	130	<0.5
YY17795		0.063	0.11	1.35	48	0.17	6.29	53	<0.5
YY17796		0.176	0.44	1.47	126	0.29	8.39	264	2.0
YY17797		0.124	0.32	1.32	133	0.41	8.88	132	1.6



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		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Au ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm
YY17798		0.41	0.016	0.37	2.37	45.6	<0.02	<10	210	0.55	0.43	0.80	0.50	30.7	10.4	33
YY17799		0.36	0.006	0.37	1.93	40.9	<0.02	<10	160	0.58	0.32	0.93	0.72	26.9	8.7	27
YY17800		0.38	0.009	0.71	2.86	89.8	<0.02	<10	180	0.70	0.92	0.49	0.50	26.8	8.9	33
YY17801		0.45	0.002	0.45	2.61	13.8	<0.02	<10	220	0.60	0.21	0.44	0.16	34.0	12.0	35
YY17802		0.34	0.004	0.15	2.22	17.6	<0.02	<10	170	0.55	0.23	0.42	0.28	22.2	9.0	24
YY17803		0.34	0.002	0.45	2.74	57.9	0.05	<10	160	0.63	0.58	0.48	0.35	23.1	8.8	20
YY17804		0.43	0.004	0.27	3.14	28.0	<0.02	<10	210	0.59	0.43	0.52	0.23	49.0	12.6	39
YY17805		0.39	0.011	0.73	2.83	57.8	<0.02	<10	280	0.59	3.58	0.35	0.71	34.7	9.2	31
YY17991		0.53	0.004	0.18	2.42	7.8	<0.02	<10	270	0.48	0.15	0.76	3.17	42.1	10.7	21
YY17992		0.58	0.009	0.12	2.78	72.7	0.03	<10	210	0.45	0.97	0.29	1.28	25.6	15.8	26
YY17993		0.42	0.009	0.12	2.78	40.4	<0.02	<10	240	0.55	1.50	0.33	0.61	32.3	13.2	28
YY17994		0.50	0.002	0.06	3.73	14.8	<0.02	<10	320	0.71	0.50	0.28	0.76	35.8	16.2	27
YY17995		0.36	0.007	0.31	3.23	84.6	<0.02	<10	150	0.60	1.16	0.20	0.48	21.7	13.3	37
YY17996		0.51	0.008	0.79	3.03	30.0	<0.02	<10	210	0.68	0.36	0.29	0.14	24.2	12.2	41
YY17997		0.48	0.011	0.69	1.92	80.0	<0.02	<10	150	0.36	1.31	0.26	0.30	27.6	6.9	25
YY17998		0.39	0.030	1.17	1.90	87.8	<0.02	<10	230	0.53	1.34	0.86	0.38	32.9	10.0	26
YY17999		0.42	0.011	0.25	3.25	51.5	<0.02	<10	220	0.67	0.75	0.22	0.38	26.5	14.1	33
YY18000		0.60	0.017	0.46	3.25	181.5	<0.02	<10	200	0.90	0.64	0.46	0.25	38.5	13.6	34
YY17821		0.37	0.030	0.50	2.31	64.2	<0.02	<10	140	0.60	1.02	0.42	0.33	23.1	9.1	32
YY17822		0.42	0.017	0.25	3.32	106.5	<0.02	<10	140	0.70	1.12	0.40	0.45	19.70	10.6	32
YY17823		0.40	0.026	0.45	2.10	65.7	0.02	<10	140	0.61	0.59	0.47	0.19	33.0	8.9	34
YY17824		0.49	0.013	0.58	2.30	49.8	<0.02	<10	110	0.65	0.71	0.39	0.25	33.5	10.8	37
YY17825		0.36	0.007	0.25	2.01	31.8	<0.02	<10	150	0.58	0.48	0.55	0.17	27.6	9.7	36
YY17826		0.42	0.003	0.23	3.12	18.3	<0.02	<10	140	0.69	0.27	0.43	0.40	23.8	11.3	31
YY17827		0.30	0.015	0.21	2.14	38.1	<0.02	<10	140	0.61	0.34	0.65	0.18	31.9	10.3	32
YY17828		0.24	0.038	0.57	1.93	61.3	0.03	<10	120	0.65	0.85	1.65	0.70	34.5	7.8	23
YY17829		0.47	0.020	0.12	2.52	91.5	<0.02	<10	190	0.51	0.80	0.61	0.23	27.4	12.7	26
YY17830		0.38	0.220	0.37	3.83	50.9	<0.02	<10	180	0.68	0.66	0.48	0.29	19.80	15.2	32
YY17831		0.43	0.027	0.27	2.76	59.9	0.02	<10	190	0.61	0.75	0.72	0.20	38.9	14.0	30
YY17832		0.40	0.151	2.54	3.30	206	0.13	<10	170	0.92	0.92	0.70	0.63	69.8	16.3	32
YY17833		0.33	0.008	0.40	3.86	60.9	<0.02	<10	220	0.86	0.43	0.67	0.37	53.9	14.8	34
YY17834		0.38	0.012	0.69	2.80	50.9	<0.02	<10	220	0.70	0.29	0.88	0.44	40.1	15.8	33
YY17835		0.32	0.016	0.17	2.29	22.3	<0.02	<10	190	0.48	0.38	0.78	0.18	30.8	10.0	30
YY17836		0.37	0.033	1.27	2.94	66.4	0.02	<10	180	0.66	0.67	0.60	0.34	39.6	12.6	31



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Sample Description	Method Analyte Units LOD	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
		0.05	0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05	0.01
YY17798		1.55	86.6	3.22	7.41	0.05	0.04	0.03	0.059	0.11	16.8	16.4	0.66	426	3.35	0.03
YY17799		1.11	62.8	2.53	6.25	0.05	0.03	0.02	0.044	0.08	15.8	12.2	0.50	517	2.66	0.02
YY17800		1.66	72.0	4.08	9.66	0.05	0.08	0.02	0.065	0.10	14.0	15.3	0.58	370	6.35	0.02
YY17801		1.00	26.4	3.64	8.06	0.05	0.15	0.01	0.035	0.19	16.4	14.1	0.67	358	3.27	0.02
YY17802		0.63	23.3	3.31	7.41	<0.05	0.13	0.01	0.032	0.15	10.7	13.3	0.62	303	4.06	0.02
YY17803		1.12	48.1	3.78	8.24	<0.05	0.06	0.01	0.045	0.12	11.1	12.9	0.65	292	4.60	0.02
YY17804		1.06	50.3	4.16	9.29	0.07	0.19	0.03	0.036	0.27	20.3	13.3	0.84	295	1.94	0.02
YY17805		1.24	32.2	3.38	7.80	<0.05	0.02	0.04	0.051	0.10	18.6	14.8	0.62	330	2.28	0.02
YY17991		1.41	12.7	3.21	6.87	0.07	0.10	0.01	0.022	0.12	20.3	11.4	0.81	708	0.71	0.02
YY17992		1.41	17.9	4.03	7.04	0.05	0.15	0.01	0.046	0.13	12.9	13.6	0.76	574	1.15	0.02
YY17993		1.44	19.5	3.89	7.98	0.06	0.07	0.02	0.044	0.12	16.0	16.5	0.77	509	1.30	0.02
YY17994		2.55	21.0	4.11	8.60	<0.05	0.09	0.01	0.047	0.10	15.9	19.7	0.92	498	0.73	0.02
YY17995		1.26	21.2	3.77	6.91	<0.05	0.08	0.03	0.034	0.06	10.8	15.2	0.52	342	1.40	0.02
YY17996		1.10	40.6	3.42	6.47	<0.05	0.29	0.08	0.031	0.06	9.8	14.1	0.70	308	0.82	0.02
YY17997		1.35	29.7	2.57	7.02	0.05	0.07	0.01	0.038	0.06	16.2	12.2	0.51	234	1.17	0.01
YY17998		1.05	92.9	2.77	5.44	0.05	0.07	0.04	0.054	0.06	17.7	14.8	0.58	607	2.70	0.02
YY17999		1.33	79.6	4.28	8.80	0.05	0.10	0.02	0.082	0.10	14.1	22.1	0.92	322	2.80	0.02
YY18000		1.13	86.9	4.76	9.11	0.05	0.16	0.01	0.094	0.10	17.4	21.6	1.01	338	2.16	0.02
YY17821		1.09	58.7	3.51	6.88	0.05	0.11	0.02	0.039	0.07	11.3	15.8	0.64	346	3.06	0.02
YY17822		1.13	78.6	4.04	8.16	0.05	0.19	0.01	0.055	0.07	8.9	17.3	0.72	268	3.37	0.02
YY17823		0.63	66.0	3.21	5.66	0.05	0.21	0.03	0.039	0.06	15.0	12.4	0.63	349	2.58	0.03
YY17824		0.82	59.0	3.44	6.75	0.05	0.14	0.03	0.044	0.10	14.4	13.4	0.55	367	4.13	0.02
YY17825		0.43	32.9	3.04	5.71	0.05	0.20	0.02	0.036	0.07	11.1	11.3	0.58	486	2.56	0.03
YY17826		1.06	29.6	4.48	10.10	<0.05	0.07	0.01	0.082	0.11	10.3	16.7	0.78	441	7.69	0.02
YY17827		0.62	38.9	3.48	6.37	0.07	0.15	0.02	0.058	0.06	15.1	13.1	0.67	464	5.86	0.04
YY17828		0.71	101.5	2.65	6.07	0.09	0.11	0.05	0.049	0.08	18.3	13.1	0.49	321	16.10	0.03
YY17829		1.07	57.9	4.92	8.64	0.09	0.16	0.01	0.034	0.15	13.7	16.2	0.98	378	24.1	0.03
YY17830		1.68	50.6	5.71	11.65	0.07	0.14	0.01	0.055	0.14	10.0	21.5	1.27	353	12.60	0.02
YY17831		1.68	60.4	4.86	9.00	0.11	0.16	0.02	0.048	0.30	18.6	19.3	1.01	465	15.95	0.03
YY17832		1.80	109.0	5.57	10.60	0.13	0.24	0.03	0.079	0.21	40.0	22.2	1.18	533	12.45	0.03
YY17833		1.43	55.6	5.39	11.85	0.06	0.16	0.02	0.067	0.11	22.2	22.5	1.19	421	7.23	0.02
YY17834		1.41	74.4	4.65	9.33	0.09	0.26	0.02	0.040	0.18	23.3	20.9	1.11	610	4.26	0.04
YY17835		1.10	43.6	3.51	7.20	0.09	0.21	0.01	0.034	0.23	15.1	15.8	0.86	421	3.20	0.04
YY17836		0.82	76.0	4.14	8.25	0.07	0.16	0.03	0.045	0.14	20.3	17.2	0.84	418	4.32	0.03



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Sample Description	Method Analyte Units LOD	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Nb ppm	Ni ppm	P ppm	Pb ppm	Rb ppm	Re ppm	S %	Sb ppm	Sc ppm	Se ppm	Sn ppm	Sr ppm	Ta ppm	Te ppm	Th ppm
		0.05	0.2	10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.01	0.01	0.2	
YY17798		1.64	21.8	580	11.8	14.7	<0.001	0.06	0.66	5.5	0.6	1.0	49.2	<0.01	0.04	2.0
YY17799		1.24	18.2	510	10.0	9.2	<0.001	0.04	0.49	4.0	0.3	0.9	58.3	<0.01	0.04	1.0
YY17800		1.73	20.2	340	13.0	18.6	<0.001	0.03	0.97	4.9	<0.2	1.9	39.5	<0.01	0.10	2.3
YY17801		1.39	21.1	210	8.4	19.7	<0.001	0.02	0.42	6.7	0.2	1.1	30.2	<0.01	0.04	6.4
YY17802		1.35	13.7	170	9.7	11.9	<0.001	0.02	0.68	4.3	<0.2	0.8	25.7	<0.01	0.03	5.5
YY17803		1.14	11.5	250	9.6	10.0	<0.001	0.02	1.08	5.0	<0.2	0.8	33.1	<0.01	0.07	5.0
YY17804		1.83	21.8	240	9.8	23.3	<0.001	0.02	0.63	9.9	0.3	1.2	37.8	<0.01	0.09	9.3
YY17805		1.41	17.9	490	16.7	14.1	<0.001	0.03	0.82	5.5	0.2	1.4	29.5	<0.01	0.05	2.7
YY17991		1.38	13.7	820	17.1	14.9	<0.001	0.01	0.39	8.1	0.3	0.8	45.7	<0.01	0.02	9.3
YY17992		2.24	17.4	480	20.1	17.0	<0.001	0.06	0.69	4.9	0.6	1.1	32.2	0.01	0.03	5.2
YY17993		2.24	17.6	470	11.3	15.4	<0.001	0.03	0.53	5.9	0.6	1.1	39.2	0.01	0.05	4.5
YY17994		1.20	19.2	230	18.8	19.1	<0.001	0.01	0.34	6.6	0.5	0.9	41.5	<0.01	0.04	9.1
YY17995		1.94	19.8	440	10.4	9.1	<0.001	0.02	0.68	4.5	0.5	0.8	21.5	0.02	0.25	3.3
YY17996		1.30	31.5	200	8.9	8.8	<0.001	0.01	0.46	5.4	0.5	0.7	26.2	<0.01	0.05	4.4
YY17997		1.47	13.6	170	15.1	20.7	<0.001	0.01	0.52	4.0	0.3	1.0	26.1	<0.01	0.13	3.0
YY17998		1.13	19.5	780	41.1	9.9	0.001	0.04	1.33	5.4	1.3	0.7	53.6	<0.01	0.10	2.7
YY17999		1.34	23.0	210	21.8	10.9	<0.001	0.01	1.13	7.0	0.7	1.1	24.0	<0.01	0.13	5.6
YY18000		1.12	21.6	200	19.3	14.4	<0.001	0.01	1.42	8.5	0.8	1.2	42.5	<0.01	0.18	9.2
YY17821		1.28	20.3	230	12.3	10.4	<0.001	0.02	0.75	4.8	0.4	1.1	36.5	<0.01	0.22	2.7
YY17822		1.19	23.9	200	23.3	10.8	<0.001	0.01	1.04	5.0	0.6	1.4	41.6	<0.01	0.22	2.9
YY17823		1.04	20.8	170	16.6	6.4	<0.001	0.01	0.67	6.2	0.5	0.9	35.8	<0.01	0.15	3.3
YY17824		1.25	21.9	170	8.9	11.4	<0.001	0.01	0.67	5.9	0.5	0.8	35.8	<0.01	0.17	3.3
YY17825		1.35	23.2	140	8.1	5.5	<0.001	0.01	0.49	6.2	0.5	0.7	38.5	<0.01	0.08	3.1
YY17826		1.52	21.0	330	10.3	15.3	0.001	0.01	0.54	6.5	0.4	1.1	39.6	<0.01	0.08	3.7
YY17827		1.27	20.8	340	9.3	5.7	0.001	0.01	0.75	6.7	0.5	0.8	43.6	<0.01	0.09	3.5
YY17828		1.68	15.8	580	12.6	8.7	0.017	0.16	1.05	5.9	4.2	0.8	88.1	<0.01	0.19	2.3
YY17829		2.39	17.2	510	9.0	15.3	0.001	0.01	1.42	7.3	0.9	0.8	34.0	<0.01	0.38	5.2
YY17830		2.38	22.7	230	12.1	22.8	0.001	0.01	0.72	8.1	0.3	1.5	43.8	<0.01	0.21	5.8
YY17831		2.43	17.3	420	9.8	19.2	0.001	0.01	1.01	10.8	0.5	1.6	43.5	<0.01	0.17	7.3
YY17832		1.12	20.8	390	55.4	19.4	0.003	0.01	3.77	16.9	0.7	1.3	49.4	<0.01	0.18	13.1
YY17833		1.77	22.4	290	19.0	14.5	0.001	0.01	0.60	11.0	0.6	1.8	52.0	0.01	0.05	9.6
YY17834		1.26	22.8	570	16.0	17.9	<0.001	0.01	0.79	11.6	0.6	1.1	43.8	0.01	0.05	8.5
YY17835		1.80	18.2	690	9.2	17.1	<0.001	0.01	0.45	7.2	<0.2	0.9	41.5	<0.01	0.07	5.5
YY17836		1.63	18.3	290	18.3	9.0	0.001	0.01	1.62	8.2	0.5	1.0	38.9	<0.01	0.18	7.9



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Sample Description	Method Analyte Units LOD	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Ti %	Ti ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
		0.005	0.02	0.05	1	0.05	0.05	2	0.5
YY17798		0.100	0.13	2.15	71	0.16	11.45	86	1.4
YY17799		0.066	0.09	1.32	56	0.21	12.35	68	1.1
YY17800		0.087	0.17	0.79	86	0.16	8.94	81	3.4
YY17801		0.160	0.14	0.68	88	0.19	7.29	59	5.7
YY17802		0.066	0.11	0.58	75	0.11	3.45	81	4.5
YY17803		0.032	0.24	0.86	77	0.13	4.16	91	1.8
YY17804		0.210	0.18	1.23	101	0.25	7.74	75	7.4
YY17805		0.082	0.16	1.84	71	0.13	7.11	118	0.5
YY17991		0.157	0.13	1.27	81	0.19	13.65	125	2.7
YY17992		0.165	0.21	0.88	86	0.24	4.93	154	5.0
YY17993		0.164	0.19	1.14	90	0.19	6.52	102	2.8
YY17994		0.066	0.24	0.93	88	0.14	4.95	233	3.4
YY17995		0.105	0.13	0.76	76	0.21	4.28	73	3.0
YY17996		0.126	0.13	0.71	77	0.17	4.15	59	9.9
YY17997		0.091	0.15	0.80	69	0.21	5.28	75	2.5
YY17998		0.059	0.13	3.35	56	0.25	13.35	112	1.9
YY17999		0.088	0.17	0.84	96	0.17	5.41	111	3.4
YY18000		0.098	0.20	0.95	106	0.18	6.76	85	5.7
YY17821		0.082	0.12	0.75	72	0.16	6.91	69	3.8
YY17822		0.079	0.13	0.63	72	0.20	5.47	88	7.0
YY17823		0.095	0.08	0.89	66	0.16	9.57	71	7.3
YY17824		0.091	0.12	0.81	73	0.15	7.20	56	5.5
YY17825		0.108	0.07	0.54	67	0.17	5.77	51	6.6
YY17826		0.087	0.13	0.80	92	0.52	6.06	80	2.5
YY17827		0.104	0.07	0.93	72	0.15	12.65	63	5.5
YY17828		0.075	0.08	4.49	52	0.15	19.80	74	4.6
YY17829		0.213	0.12	1.31	98	0.37	8.12	82	5.5
YY17830		0.259	0.19	0.84	124	0.32	3.98	88	4.5
YY17831		0.203	0.16	2.25	102	0.20	13.80	83	5.6
YY17832		0.190	0.18	1.97	119	0.18	26.0	162	8.4
YY17833		0.235	0.18	1.28	127	0.47	12.05	109	5.1
YY17834		0.204	0.16	1.24	112	0.22	20.3	102	9.4
YY17835		0.178	0.14	1.02	85	0.21	11.05	77	7.3
YY17836		0.129	0.15	1.47	92	0.23	10.55	86	5.4



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CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: Gold determinations by this method are semi-quantitative due to the small sample weight used (0.5g).
ME-MS41

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.
LOG-22 SCR-41 WEI-21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.
Au-ICP21 ME-MS41



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CERTIFICATE WH19213286

Project: ALOTTA

This report is for 16 Rock samples submitted to our lab in Whitehorse, YT, Canada on 27-AUG-2019.

The following have access to data associated with this certificate:

HEATHER BURRELL JACK MORTON	ANDREW CARNE SCOTT NEWMAN	STEVE ISREAL
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SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31	Pulverize split to 85% <75 um

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
Au-ICP21	Au 30g FA ICP-AES Finish	ICP-AES
ME-MS41	Ultra Trace Aqua Regia 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: 
 Colin Ramshaw, Vancouver Laboratory Manager



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CERTIFICATE OF ANALYSIS WH19213286

Sample Description	Method Analyte Units LOD	WEI-21	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Recvd Wt. kg	Ag ppm	Al %	As ppm	Au ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm
		0.02	0.01	0.01	0.1	0.02	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1	0.05
R609013		0.95	0.14	0.99	118.5	0.16	<10	90	0.71	3.58	0.09	0.42	15.40	4.9	4	0.84
R609014		1.09	0.04	1.86	2.4	<0.02	<10	470	0.30	0.08	0.90	0.42	28.9	8.6	10	0.76
R609015		1.57	0.52	1.65	64.8	0.21	<10	110	0.58	0.59	0.28	0.50	19.95	5.1	9	1.04
R609016		2.01	0.12	1.69	718	0.12	<10	80	0.78	1.58	0.17	0.32	38.4	6.7	8	1.17
R609017		1.08	0.24	0.55	62.7	0.22	<10	70	0.44	0.85	0.08	0.34	46.0	3.3	5	0.68
R609018		1.45	0.26	3.70	6.4	0.11	<10	150	0.90	0.11	1.36	0.71	16.35	4.1	10	1.78
R609019		1.57	0.22	1.56	78.6	0.18	<10	60	0.50	0.49	0.23	0.28	23.8	4.0	7	0.76
R609020		2.19	0.48	1.52	2.5	<0.02	<10	60	0.34	1.18	0.38	0.43	23.0	3.4	5	0.56
R609021		1.62	0.15	1.15	120.0	0.20	<10	80	0.54	0.81	0.12	0.41	22.0	3.7	5	0.90
R609022		1.26	0.90	1.16	33.6	0.09	<10	120	0.54	0.69	0.13	0.26	14.65	2.4	5	1.30
R609023		2.54	0.53	1.03	25.8	0.04	<10	120	0.43	0.44	0.22	0.42	17.15	2.8	6	0.97
R609024		1.19	0.19	3.44	5.6	<0.02	<10	100	0.87	0.60	1.33	0.56	20.8	8.8	10	1.08
R609025		0.94	0.28	2.65	3.2	0.62	<10	290	0.61	1.05	0.80	0.27	24.8	3.4	9	1.34
R609026		1.37	0.18	1.80	2.2	0.31	<10	230	0.34	0.40	0.59	0.15	13.00	1.8	7	0.82
R609027		1.88	0.27	0.89	31.5	0.03	<10	70	0.35	0.54	0.45	0.81	10.35	2.1	5	0.68
R609028		1.21	0.29	1.08	13.5	0.21	<10	120	0.33	0.40	0.30	0.28	9.81	2.0	9	0.58



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Sample Description	Method Analyte Units LOD	ME-MS41 Cu ppm 0.2	ME-MS41 Fe % 0.01	ME-MS41 Ga ppm 0.05	ME-MS41 Ge ppm 0.05	ME-MS41 Hf ppm 0.02	ME-MS41 Hg ppm 0.01	ME-MS41 In ppm 0.005	ME-MS41 K % 0.01	ME-MS41 La ppm 0.2	ME-MS41 Li ppm 0.1	ME-MS41 Mg % 0.01	ME-MS41 Mn ppm 5	ME-MS41 Mo ppm 0.05	ME-MS41 Na % 0.01	ME-MS41 Nb ppm 0.05
R609013		122.5	2.66	2.38	<0.05	0.21	<0.01	0.014	0.28	4.7	9.9	0.19	153	8.79	0.02	0.07
R609014		4.4	3.07	6.36	0.10	0.18	<0.01	0.010	0.38	14.7	7.4	0.85	563	0.38	0.16	0.47
R609015		192.5	3.05	6.05	0.06	0.32	<0.01	0.045	0.21	9.5	16.9	0.69	214	12.05	0.08	0.24
R609016		275	3.62	4.23	0.06	0.11	<0.01	<0.005	0.48	21.1	9.3	0.54	118	2.89	0.03	0.10
R609017		111.0	1.35	1.49	0.05	0.21	0.01	0.016	0.26	23.0	2.0	0.06	144	16.65	0.02	<0.05
R609018		75.4	3.32	9.91	0.12	0.29	<0.01	0.018	0.53	8.5	15.9	0.94	302	1.10	0.39	0.36
R609019		167.5	3.74	7.60	0.08	0.32	<0.01	0.057	0.21	11.9	8.7	0.52	173	35.8	0.06	0.56
R609020		152.5	3.02	6.75	0.09	0.48	0.01	0.033	0.17	10.8	10.2	0.67	189	14.80	0.08	1.23
R609021		170.0	2.47	4.09	<0.05	0.18	<0.01	0.022	0.24	7.9	9.3	0.28	150	13.85	0.03	0.21
R609022		205	3.02	5.16	0.06	0.31	<0.01	0.038	0.20	7.1	11.3	0.40	127	15.40	0.05	0.33
R609023		176.0	2.52	6.10	0.08	0.28	<0.01	0.024	0.17	8.7	12.0	0.49	140	14.40	0.06	0.52
R609024		138.0	3.83	11.45	0.18	0.16	0.01	0.038	0.19	10.8	17.3	1.04	243	4.25	0.31	0.59
R609025		21.9	3.40	9.78	0.15	0.63	<0.01	0.033	0.52	12.2	22.0	0.98	268	1.88	0.23	0.61
R609026		41.9	2.53	7.13	0.15	0.33	0.01	0.014	0.35	5.6	9.0	0.66	162	166.0	0.16	1.03
R609027		84.9	1.38	2.12	<0.05	0.20	<0.01	0.038	0.28	3.4	6.5	0.31	254	1.71	0.02	<0.05
R609028		44.6	1.72	4.60	0.07	0.53	<0.01	0.020	0.15	4.0	8.8	0.44	184	2.33	0.08	0.31



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Sample Description	Method Analyte Units LOD	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Ni ppm	P ppm	Pb ppm	Rb ppm	Re ppm	S %	Sb ppm	Sc ppm	Se ppm	Sn ppm	Sr ppm	Ta ppm	Te ppm	Th ppm	Ti %
		0.2	10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.2	0.01	0.01	0.2	0.005
R609013		2.0	350	13.1	9.0	0.001	0.02	1.31	1.4	1.3	0.2	9.5	<0.01	1.57	4.4	<0.005
R609014		3.5	630	5.7	19.7	<0.001	0.01	0.16	5.1	<0.2	0.9	51.1	<0.01	0.01	7.6	0.248
R609015		2.7	580	10.2	9.8	0.011	0.07	0.36	3.7	2.6	0.2	22.0	<0.01	0.25	3.9	0.022
R609016		2.5	550	5.9	19.0	<0.001	0.12	8.04	3.1	2.1	0.5	35.4	<0.01	0.26	9.1	0.010
R609017		1.7	280	16.6	7.5	0.004	0.01	1.95	1.2	0.8	0.3	6.6	<0.01	0.19	3.9	<0.005
R609018		3.5	610	10.4	33.3	0.001	0.02	0.18	9.5	0.5	0.8	106.5	<0.01	0.02	7.6	0.166
R609019		1.6	520	6.8	11.1	0.018	0.15	1.34	3.6	2.3	1.2	16.1	<0.01	0.09	5.0	0.065
R609020		1.5	890	11.4	10.7	0.005	0.03	0.15	5.1	2.7	0.6	24.2	<0.01	0.22	5.1	0.153
R609021		1.7	330	11.1	8.8	0.004	0.01	1.58	1.5	0.7	0.3	8.1	<0.01	0.39	3.5	0.009
R609022		1.0	390	10.1	7.7	0.002	0.05	0.19	2.0	3.3	0.3	17.1	<0.01	0.29	4.1	0.013
R609023		1.4	460	8.2	5.6	0.009	0.19	0.21	2.8	1.8	0.3	17.0	<0.01	0.17	4.0	0.049
R609024		4.1	600	17.6	12.1	<0.001	0.02	0.23	13.6	1.3	1.3	76.1	<0.01	0.13	10.1	0.226
R609025		2.6	730	5.9	26.9	0.003	0.02	0.11	7.5	<0.2	2.5	84.9	<0.01	0.02	4.4	0.183
R609026		1.1	760	6.7	17.9	0.470	0.06	0.08	6.9	0.9	0.9	61.6	<0.01	0.11	4.5	0.140
R609027		1.9	400	11.4	10.4	0.002	0.01	0.21	1.1	<0.2	0.3	12.2	<0.01	0.14	3.1	<0.005
R609028		1.8	640	12.2	7.5	0.002	0.02	0.18	3.4	0.7	0.5	23.0	<0.01	0.05	4.6	0.058



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Sample Description	Method Analyte Units LOD	ME-MS41 Ti ppm 0.02	ME-MS41 U ppm 0.05	ME-MS41 V ppm 1	ME-MS41 W ppm 0.05	ME-MS41 Y ppm 0.05	ME-MS41 Zn ppm 2	ME-MS41 Zr ppm 0.5	Au-ICP21 Au ppm 0.001
R609013		0.17	2.59	4	0.22	6.09	78	5.1	0.231
R609014		0.17	1.25	82	0.16	8.01	66	2.8	<0.001
R609015		0.12	1.86	33	0.11	9.83	45	9.2	0.084
R609016		0.30	2.69	34	0.21	8.05	28	3.3	0.151
R609017		0.11	1.71	5	0.29	6.87	89	5.8	0.271
R609018		0.49	1.61	67	0.36	14.40	62	7.6	0.072
R609019		0.14	2.52	30	0.21	7.86	40	8.6	0.250
R609020		0.09	2.36	46	0.61	6.91	56	12.1	0.004
R609021		0.12	0.97	12	0.17	6.49	56	5.3	0.238
R609022		0.11	3.03	19	0.13	6.03	29	6.3	0.088
R609023		0.08	2.20	27	0.21	7.86	35	5.9	0.060
R609024		0.16	2.25	91	0.38	11.55	62	2.6	0.007
R609025		0.29	1.51	64	0.12	15.00	53	18.7	0.485
R609026		0.21	2.35	58	0.17	17.30	27	8.2	0.388
R609027		0.19	0.71	9	0.12	7.86	53	6.2	0.071
R609028		0.12	1.24	33	0.26	13.55	83	16.2	0.134



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CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: Gold determinations by this method are semi-quantitative due to the small sample weight used (0.5g).
ME-MS41

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.
CRU-31 CRU-QC LOG-21 PUL-31
PUL-QC SPL-21 WEI-21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.
Au-ICP21 ME-MS41