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To: SILVER RANGE RESOURCES LTD.

C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Page: 1

Finalized Date: 16-AUG-2012

Account: RANSIL

CERTIFICATE WH12182382

Project: Keg-Group 1

P.O. No.:

This report is for 50 Soil samples submitted to our lab in Whitehorse, YT, Canada on 6-AUG-2012.

The following have access to data associated with this certificate:

MATT DUMALA

JOAN MARIACHER

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	51 anal. aqua regia ICPMS	

To: SILVER RANGE RESOURCES LTD.

ATTN: JOAN MARIACHER

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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 WH12182382

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	Au-ICP21 Au ppm	ME-MS41 Ag ppm	ME-MS41 Al %	ME-MS41 As ppm	ME-MS41 Au ppm	ME-MS41 B ppm	ME-MS41 Ba ppm	ME-MS41 Be ppm	ME-MS41 Bi ppm	ME-MS41 Ca %	ME-MS41 Cd ppm	ME-MS41 Ce ppm	ME-MS41 Co ppm	ME-MS41 Cr ppm
		0.02	0.001	0.01	0.01	0.1	0.2	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
ZZ13801		0.22	0.002	0.35	1.15	48.1	<0.2	<10	570	0.28	1.01	0.51	0.48	16.25	5.1	19
ZZ14111		0.28	0.002	0.14	1.16	54.1	<0.2	<10	230	0.34	0.81	1.12	0.30	19.45	6.5	18
ZZ13837		0.26	0.005	0.71	1.06	19.5	<0.2	<10	590	0.65	0.24	3.67	2.18	31.3	8.0	26
ZZ13838		0.25	0.004	0.76	1.24	17.7	<0.2	<10	450	0.66	0.23	3.75	2.11	26.7	7.3	39
ZZ13839		0.23	0.002	0.28	0.62	51.9	<0.2	10	290	0.38	0.14	3.64	1.31	12.90	5.4	14
ZZ13840		0.13	0.003	0.26	0.57	3.0	<0.2	<10	220	0.23	0.10	1.24	1.21	15.00	2.3	14
ZZ13841		0.16	0.002	0.34	0.85	4.1	<0.2	<10	350	0.26	0.18	0.73	1.78	24.9	2.3	20
ZZ13842		0.23	0.005	0.79	1.30	18.7	<0.2	<10	830	0.73	0.35	0.52	1.29	40.9	16.2	22
ZZ13843		0.29	0.004	0.41	1.71	54.7	<0.2	<10	1160	0.69	1.03	0.25	0.78	29.2	23.5	27
ZZ13844		0.24	0.007	1.03	2.84	68.9	<0.2	<10	990	1.32	1.00	0.50	0.63	25.5	14.5	26
ZZ13845		0.25	0.004	0.64	1.77	259	<0.2	<10	620	0.43	1.50	0.88	0.63	20.7	7.7	24
ZZ13846		0.15	<0.001	0.23	0.35	1.5	<0.2	<10	120	0.06	0.04	0.09	0.09	4.07	0.9	2
ZZ13847		0.14	0.001	0.48	0.38	1.1	<0.2	<10	880	0.10	0.05	0.48	0.79	3.23	1.9	4
ZZ13848		0.24	0.001	0.80	1.65	17.8	<0.2	<10	690	0.55	0.40	0.08	0.31	15.95	21.9	28
ZZ13849		0.21	<0.001	0.63	1.32	8.2	<0.2	<10	350	0.53	0.22	0.13	1.62	14.50	28.8	24
ZZ13850		0.28	<0.001	0.54	1.55	10.1	<0.2	<10	490	0.54	0.28	0.12	1.05	19.15	21.1	30
ZZ82888		0.27	<0.001	0.29	1.45	17.4	<0.2	<10	560	0.42	0.24	0.11	0.38	19.30	11.7	36
ZZ82889		0.22	<0.001	0.24	0.68	7.6	<0.2	<10	230	0.15	0.12	0.07	0.46	10.30	4.7	15
ZZ82890		0.23	0.001	0.17	1.03	14.9	<0.2	<10	500	0.28	0.35	0.27	0.32	20.7	5.4	23
ZZ82891		0.19	0.001	0.70	0.80	7.4	<0.2	<10	350	0.20	0.60	0.08	0.58	15.05	7.2	15
ZZ82892		0.15	<0.001	0.83	0.95	8.3	<0.2	<10	730	0.28	0.24	0.13	1.01	19.85	23.8	15
ZZ82893		0.23	0.004	1.95	1.45	47.8	<0.2	<10	1120	0.49	7.71	0.22	0.33	24.4	6.3	30
ZZ82894		0.17	0.001	0.97	0.55	7.5	<0.2	<10	1700	0.17	0.65	0.42	1.39	10.35	3.3	6
ZZ82895		0.28	0.001	0.19	0.38	31	<0.2	230	170	0.19	0.37	16.05	0.41	5.84	3.0	5
ZZ82896		0.18	0.004	0.11	1.02	49.7	<0.2	10	320	0.38	2.01	3.75	0.25	15.15	3.9	11
ZZ42660		0.43	0.001	0.23	0.84	21.4	<0.2	10	330	0.34	0.19	9.80	0.41	9.55	3.6	7
ZZ42661		0.23	0.002	0.29	0.60	39.5	<0.2	10	260	0.29	0.61	3.00	2.37	9.29	3.7	7
ZZ42662		0.34	0.002	0.54	0.70	38.8	<0.2	10	600	0.41	0.90	2.39	3.29	9.74	4.1	9
ZZ42663		0.40	0.003	0.36	0.67	76.0	<0.2	90	150	0.49	0.59	2.30	2.70	11.60	4.2	9
ZZ42664		0.36	0.001	0.07	0.30	4.3	<0.2	60	40	0.12	0.12	1.59	0.19	3.61	1.7	3
ZZ42665		0.35	0.009	0.21	0.75	87	<0.2	80	340	0.42	0.64	10.10	0.45	11.95	4.3	11
ZZ42666		0.38	0.001	0.18	1.51	27.8	<0.2	10	130	0.74	0.52	4.85	0.31	11.20	4.2	13
ZZ42667		0.31	<0.001	0.04	0.31	1.2	<0.2	<10	90	0.07	0.04	0.67	0.14	3.80	1.5	2
ZZ42668		0.19	<0.001	0.07	0.99	12.7	<0.2	10	350	0.36	0.24	2.35	1.10	7.59	3.0	9
ZZ42669		0.37	<0.001	0.09	0.68	11.0	<0.2	10	120	0.28	0.27	3.72	0.25	5.18	1.9	5
ZZ42670		0.37	0.001	0.10	0.41	15.7	<0.2	10	80	0.16	0.10	2.19	0.28	5.90	2.6	5
ZZ42671		0.26	0.008	0.06	0.28	6.9	<0.2	20	120	0.09	0.03	3.47	0.40	3.76	1.8	3
ZZ42672		0.25	0.002	0.09	0.21	5.8	<0.2	30	140	0.09	0.05	4.29	1.33	2.47	1.7	4
ZZ42673		0.53	0.002	0.47	0.85	112.5	<0.2	10	290	0.32	0.78	1.05	0.39	16.80	5.6	19
ZZ42674		0.30	0.001	0.21	0.74	49.4	<0.2	<10	270	0.37	0.25	2.14	0.44	10.20	3.7	10



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CERTIFICATE OF ANALYSIS WH12182382

Sample Description	Method Analyte Units LOR	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
		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
ZZ13801		1.65	25.3	2.24	3.81	<0.05	0.03	0.02	0.024	0.05	7.9	17.0	0.30	123	1.49
ZZ14111		0.51	16.9	1.80	3.79	<0.05	0.02	0.02	0.023	0.03	8.0	8.2	0.22	230	0.47
ZZ13837		2.16	41.6	2.02	3.16	0.07	0.12	0.10	0.029	0.19	16.4	13.5	0.75	309	4.23
ZZ13838		2.06	37.3	1.91	3.45	0.07	0.07	0.12	0.028	0.20	14.5	13.6	0.91	333	3.58
ZZ13839		0.53	40.1	0.97	1.69	<0.05	0.06	0.08	0.014	0.04	6.2	4.7	0.21	363	0.51
ZZ13840		0.92	45.4	0.54	1.86	0.05	0.04	0.06	0.009	0.05	7.2	3.8	0.22	31	0.59
ZZ13841		1.47	53.6	0.89	3.54	0.06	0.02	0.06	0.018	0.07	11.9	6.2	0.26	52	0.32
ZZ13842		1.82	171.5	1.94	3.60	0.10	0.02	0.13	0.029	0.09	20.7	13.6	0.36	201	1.11
ZZ13843		2.11	163.5	2.47	3.68	0.06	0.06	0.03	0.080	0.08	14.3	19.8	0.49	273	2.05
ZZ13844		2.02	167.5	2.49	3.69	0.06	0.07	0.09	0.059	0.07	11.3	20.7	0.44	273	1.73
ZZ13845		3.87	32.6	3.22	4.99	<0.05	0.03	0.03	0.036	0.08	10.5	38.4	0.37	171	2.44
ZZ13846		0.14	8.5	0.42	1.24	<0.05	0.02	<0.01	<0.005	0.02	1.8	0.4	0.02	17	0.15
ZZ13847		0.37	17.5	0.50	1.07	<0.05	<0.02	0.02	<0.005	0.03	1.8	0.7	0.03	195	0.19
ZZ13848		2.20	31.2	3.03	6.21	<0.05	0.08	0.02	0.019	0.06	8.3	16.8	0.19	279	1.66
ZZ13849		2.05	38.9	2.19	4.51	<0.05	0.02	0.01	0.020	0.08	6.9	13.0	0.21	342	1.00
ZZ13850		1.40	14.2	2.35	5.17	<0.05	0.04	<0.01	0.014	0.09	9.1	15.5	0.38	435	1.05
ZZ82888		2.45	19.7	2.17	5.34	<0.05	0.06	<0.01	0.018	0.12	9.0	23.9	0.49	257	1.29
ZZ82889		0.65	6.3	1.06	2.81	<0.05	0.02	<0.01	0.008	0.05	5.2	11.1	0.21	110	0.63
ZZ82890		1.84	13.6	1.84	4.15	<0.05	0.04	<0.01	0.018	0.14	9.7	10.9	0.31	254	1.02
ZZ82891		0.83	11.4	1.86	3.63	<0.05	0.02	0.01	0.013	0.07	7.5	5.7	0.14	278	1.23
ZZ82892		0.96	39.6	1.56	3.15	0.05	0.03	0.01	0.018	0.06	8.2	6.2	0.17	873	0.83
ZZ82893		1.03	51.9	2.39	4.20	0.06	0.07	0.04	0.039	0.12	13.1	13.4	0.48	138	1.65
ZZ82894		0.40	34.0	1.25	2.64	<0.05	<0.02	0.03	0.017	0.05	5.1	2.7	0.06	97	0.91
ZZ82895		1.13	18.7	0.65	1.00	0.05	0.05	0.02	0.010	0.05	2.7	11.1	0.49	155	0.32
ZZ82896		0.47	42.0	1.11	2.38	0.05	0.05	0.04	0.014	0.01	7.2	5.5	0.14	180	0.27
ZZ42660		1.88	30.5	0.83	1.77	0.05	0.07	0.04	0.007	0.11	4.7	4.1	0.44	417	0.42
ZZ42661		0.95	29.8	0.69	1.59	<0.05	0.04	0.05	0.018	0.03	4.7	3.2	0.15	107	0.22
ZZ42662		1.84	39.3	0.92	1.89	0.05	0.04	0.04	0.017	0.08	5.0	9.1	0.62	275	0.25
ZZ42663		0.83	41.4	0.98	1.76	0.05	0.05	0.07	0.025	0.03	5.9	8.2	0.38	205	0.23
ZZ42664		0.37	13.6	0.50	0.77	<0.05	0.02	0.03	<0.005	0.03	1.7	1.0	0.06	80	0.12
ZZ42665		2.50	19.2	1.10	1.75	0.05	0.09	0.03	0.011	0.08	5.6	12.4	0.45	256	0.45
ZZ42666		1.39	9.5	1.99	3.33	<0.05	0.04	0.02	0.013	0.04	5.3	6.7	0.16	211	0.63
ZZ42667		0.19	6.2	0.52	1.14	<0.05	0.02	0.01	<0.005	0.02	1.8	0.5	0.03	68	0.17
ZZ42668		1.19	13.0	1.25	2.51	<0.05	0.04	0.03	0.013	0.03	3.6	5.8	0.13	188	0.42
ZZ42669		0.61	13.3	0.77	1.32	<0.05	<0.02	0.02	0.007	0.02	2.4	3.6	0.06	123	0.30
ZZ42670		0.34	15.5	0.63	1.26	<0.05	0.02	0.02	0.007	0.03	2.8	1.8	0.09	118	0.15
ZZ42671		0.15	17.3	0.42	1.02	<0.05	0.02	0.03	<0.005	0.03	1.9	0.8	0.05	88	0.40
ZZ42672		0.34	14.3	0.27	0.63	<0.05	0.04	0.07	0.005	0.02	1.4	1.5	0.07	213	0.55
ZZ42673		1.01	10.0	1.27	3.47	0.06	0.05	0.08	0.019	0.04	8.1	15.3	0.32	354	0.68
ZZ42674		0.74	15.9	0.89	2.15	<0.05	0.04	0.04	0.011	0.03	5.4	7.3	0.16	551	0.45



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		Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te
		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
ZZ13801		1.27	32.6	240	14.2	8.9	<0.001	0.03	2.24	2.0	0.8	1.9	18.7	<0.01	0.04
ZZ14111		1.05	12.6	240	32.4	2.6	<0.001	0.03	0.68	2.1	0.2	3.5	23.8	<0.01	0.01
ZZ13837		0.84	35.2	1280	17.8	16.0	0.002	0.06	2.82	3.8	3.3	0.9	105.0	<0.01	0.05
ZZ13838		0.88	33.8	1580	20.1	17.4	0.003	0.06	2.67	3.8	3.0	1.2	96.0	<0.01	0.05
ZZ13839		0.53	18.7	650	7.2	5.4	0.001	0.16	1.76	1.4	1.9	0.3	51.0	<0.01	0.02
ZZ13840		0.50	42.3	560	3.4	7.6	0.002	0.12	0.97	1.5	3.7	0.3	34.6	<0.01	<0.01
ZZ13841		1.11	52.2	470	9.0	14.9	0.002	0.09	0.78	2.6	3.6	0.6	38.4	<0.01	0.01
ZZ13842		0.86	120.5	660	13.4	16.4	0.001	0.04	1.15	4.1	2.9	0.6	35.5	<0.01	0.03
ZZ13843		1.21	242	690	27.9	12.8	0.001	0.04	2.52	2.9	2.2	1.5	29.8	<0.01	0.05
ZZ13844		1.40	150.0	500	22.3	9.3	0.002	0.05	6.28	7.8	2.9	0.9	25.4	0.01	0.03
ZZ13845		1.33	40.3	420	18.7	13.2	<0.001	0.04	2.02	2.7	1.1	1.6	24.6	<0.01	0.08
ZZ13846		0.23	2.7	250	1.0	0.9	<0.001	0.02	0.06	0.3	<0.2	<0.2	10.5	<0.01	<0.01
ZZ13847		0.19	8.9	500	1.3	1.7	<0.001	0.05	0.14	0.1	0.2	<0.2	61.1	<0.01	0.01
ZZ13848		1.43	31.6	250	8.7	15.9	<0.001	0.04	1.59	2.0	0.5	1.0	20.7	<0.01	0.04
ZZ13849		1.02	48.5	200	7.5	14.3	<0.001	0.02	0.76	2.0	<0.2	0.7	15.4	<0.01	0.02
ZZ13850		1.43	23.3	190	9.1	23.3	<0.001	0.01	0.67	2.6	<0.2	0.8	12.2	<0.01	0.01
ZZ82888		1.46	23.2	220	6.9	26.4	<0.001	0.03	0.97	3.2	0.5	1.1	24.3	<0.01	0.05
ZZ82889		0.85	9.5	100	8.9	11.1	<0.001	<0.01	0.56	1.5	<0.2	0.5	8.2	<0.01	0.01
ZZ82890		1.33	13.8	150	11.3	19.1	<0.001	0.03	1.33	2.2	0.2	1.5	21.6	<0.01	0.03
ZZ82891		1.10	9.3	220	10.8	9.1	<0.001	0.04	0.84	1.4	0.3	0.9	8.9	<0.01	0.01
ZZ82892		0.92	34.4	280	9.1	12.6	<0.001	0.02	0.76	1.9	0.7	0.7	13.3	<0.01	0.01
ZZ82893		1.27	36.7	200	76.6	15.6	<0.001	0.04	1.63	3.7	1.2	2.0	26.0	<0.01	0.12
ZZ82894		0.28	12.5	360	13.9	3.9	0.001	0.11	2.31	0.8	3.9	0.4	34.7	<0.01	0.03
ZZ82895		0.28	13.0	270	17.1	3.7	<0.001	0.07	1.23	0.6	0.3	0.6	91.2	<0.01	<0.01
ZZ82896		0.61	14.1	770	15.7	1.4	<0.001	0.13	1.48	0.8	0.7	1.0	57.6	<0.01	0.02
ZZ42660		0.35	17.1	420	13.8	6.3	<0.001	0.05	1.32	0.8	0.5	3.2	195.5	<0.01	0.02
ZZ42661		0.44	13.3	610	12.7	4.6	<0.001	0.14	1.51	0.6	0.8	2.4	58.7	<0.01	<0.01
ZZ42662		0.47	20.4	470	25.9	8.8	<0.001	0.07	1.66	0.9	0.2	4.5	62.4	<0.01	0.01
ZZ42663		0.49	15.1	570	15.5	4.7	<0.001	0.09	1.54	1.0	0.6	1.4	61.5	<0.01	<0.01
ZZ42664		0.16	7.8	240	2.2	1.6	<0.001	0.05	0.44	0.3	<0.2	0.4	27.8	<0.01	<0.01
ZZ42665		0.52	18.0	410	8.1	6.2	<0.001	0.08	2.61	1.2	0.5	2.4	120.0	<0.01	0.01
ZZ42666		0.58	15.4	410	11.5	4.1	<0.001	0.05	0.70	1.4	0.3	0.5	154.0	<0.01	0.02
ZZ42667		0.19	1.8	460	1.2	0.9	<0.001	0.05	0.16	0.3	<0.2	<0.2	28.8	<0.01	<0.01
ZZ42668		0.54	10.4	460	6.7	2.6	<0.001	0.09	1.01	1.0	0.4	0.3	79.5	<0.01	0.01
ZZ42669		0.24	5.9	450	4.0	1.5	<0.001	0.11	0.55	0.4	0.4	<0.2	91.0	<0.01	0.01
ZZ42670		0.26	7.3	450	3.7	2.6	<0.001	0.11	0.93	0.4	0.8	0.4	64.0	<0.01	<0.01
ZZ42671		0.19	5.8	610	1.5	0.9	0.001	0.13	0.63	0.3	0.8	<0.2	89.4	<0.01	0.02
ZZ42672		0.18	6.5	720	2.5	2.3	0.001	0.22	0.60	0.4	1.0	0.2	113.5	<0.01	0.02
ZZ42673		0.68	11.6	620	24.3	6.9	<0.001	0.03	3.12	2.1	1.0	0.7	56.0	<0.01	0.04
ZZ42674		0.53	11.9	590	5.6	4.3	<0.001	0.08	3.80	1.0	1.0	0.2	69.0	<0.01	0.03



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Sample Description	Method Analyte Units LOR	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
		0.005	0.02	0.05	1	0.05	0.05	2	0.5
ZZ13801		0.040	0.17	0.45	46	1.03	2.72	256	1.3
ZZ14111		0.038	0.07	1.11	42	0.20	4.48	50	0.9
ZZ13837		0.030	0.34	1.30	48	0.17	13.75	164	5.4
ZZ13838		0.036	0.40	1.09	60	0.20	14.60	178	3.0
ZZ13839		0.018	0.08	1.25	24	0.12	7.17	107	1.8
ZZ13840		0.023	0.12	0.75	21	0.05	7.84	196	1.5
ZZ13841		0.033	0.21	0.82	21	0.11	8.07	209	0.9
ZZ13842		0.028	0.22	2.57	45	0.23	26.2	702	0.7
ZZ13843		0.038	0.45	1.16	53	0.30	7.29	1230	2.3
ZZ13844		0.045	0.62	2.97	42	0.29	13.85	840	3.3
ZZ13845		0.028	0.45	0.55	59	0.31	3.44	331	1.1
ZZ13846		0.024	0.02	0.14	12	<0.05	1.16	10	0.5
ZZ13847		0.017	0.02	0.22	14	<0.05	0.95	132	<0.5
ZZ13848		0.064	0.19	0.42	78	0.21	2.39	204	3.1
ZZ13849		0.042	0.13	0.58	51	0.16	2.33	449	0.7
ZZ13850		0.065	0.15	0.34	62	0.28	2.54	244	1.4
ZZ82888		0.083	0.18	0.47	61	0.25	3.50	150	2.3
ZZ82889		0.041	0.09	0.17	29	0.15	1.46	55	0.7
ZZ82890		0.059	0.16	0.30	45	0.28	2.70	85	1.5
ZZ82891		0.045	0.20	0.29	47	0.21	1.79	82	0.8
ZZ82892		0.039	0.13	0.32	38	0.23	6.26	196	1.0
ZZ82893		0.055	0.19	0.72	53	0.32	4.35	167	2.3
ZZ82894		0.024	0.15	0.36	24	0.19	1.91	68	<0.5
ZZ82895		0.012	0.05	0.31	12	0.13	6.11	43	1.7
ZZ82896		0.016	0.08	2.68	19	0.15	8.00	35	2.3
ZZ42660		0.016	0.05	0.63	19	0.12	5.90	44	2.0
ZZ42661		0.014	0.06	1.14	19	0.10	6.30	97	1.4
ZZ42662		0.020	0.05	0.67	21	0.15	7.26	155	1.2
ZZ42663		0.017	0.05	2.07	20	0.19	10.35	199	1.6
ZZ42664		0.017	0.03	0.64	13	<0.05	3.30	19	0.8
ZZ42665		0.017	0.06	0.71	24	0.36	8.79	57	2.5
ZZ42666		0.018	0.06	0.64	30	0.26	10.95	58	1.2
ZZ42667		0.026	0.02	0.13	16	<0.05	1.10	9	0.6
ZZ42668		0.017	0.04	0.47	21	0.14	5.30	56	1.4
ZZ42669		0.016	0.03	0.62	16	<0.05	3.74	24	0.8
ZZ42670		0.019	0.04	2.91	16	0.06	3.14	24	0.8
ZZ42671		0.017	<0.02	1.41	14	0.05	1.49	44	0.8
ZZ42672		0.006	0.03	1.59	9	<0.05	1.61	97	1.3
ZZ42673		0.019	0.09	1.04	43	0.39	6.27	129	1.9
ZZ42674		0.018	0.05	0.85	20	0.08	6.35	64	1.6



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Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	Au-ICP21 Au ppm	ME-MS41 Ag ppm	ME-MS41 Al %	ME-MS41 As ppm	ME-MS41 Au ppm	ME-MS41 B ppm	ME-MS41 Ba ppm	ME-MS41 Be ppm	ME-MS41 Bi ppm	ME-MS41 Ca %	ME-MS41 Cd ppm	ME-MS41 Ce ppm	ME-MS41 Co ppm	ME-MS41 Cr ppm
		0.02	0.001	0.01	0.01	0.1	0.2	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
ZZ42675		0.41	0.001	0.31	0.77	29.0	<0.2	<10	270	0.38	0.16	1.77	0.43	13.60	4.4	15
ZZ42676		0.26	0.004	0.48	1.01	23.8	<0.2	<10	310	0.49	0.24	1.83	0.97	21.4	6.3	25
ZZ42677		0.23	0.004	0.52	0.95	13.0	<0.2	<10	340	0.52	0.21	1.25	2.55	20.2	6.6	23
ZZ42678		0.32	0.002	0.31	0.83	5.6	<0.2	<10	240	0.32	0.14	1.28	0.36	15.25	4.0	19
ZZ42679		0.37	0.005	0.35	0.98	11.0	<0.2	<10	410	0.79	0.18	0.87	0.49	22.0	7.2	21
ZZ42680		0.37	0.002	0.25	0.67	52.1	<0.2	<10	260	0.66	0.16	2.52	0.24	15.80	4.0	13
ZZ42681		0.24	0.003	0.31	0.57	60.9	<0.2	10	160	0.29	0.20	2.37	0.35	10.20	2.6	10
ZZ42682		0.28	<0.001	0.25	0.45	36.9	<0.2	10	200	0.24	0.37	3.93	1.07	7.94	3.1	8
ZZ42683		0.20	0.008	0.26	0.47	23.3	<0.2	10	290	0.25	0.31	3.28	2.19	9.24	3.0	9
ZZ42684		0.28	0.001	0.13	0.35	9.9	<0.2	10	60	0.21	0.37	3.65	0.45	5.55	2.4	5



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Sample Description	Method Analyte Units LOR	ME-MS41 Cs ppm 0.05	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
ZZ42675		1.12	19.2	1.17	2.72	0.06	0.04	0.04	0.014	0.06	7.2	9.6	0.27	216	0.64	0.02
ZZ42676		1.60	40.8	1.63	3.33	0.08	0.07	0.06	0.023	0.12	11.2	14.6	0.58	188	1.81	0.02
ZZ42677		1.07	31.2	1.67	3.08	0.08	0.07	0.10	0.023	0.15	10.7	14.1	0.58	230	3.04	0.01
ZZ42678		1.08	11.7	1.04	2.89	0.05	0.06	0.06	0.014	0.07	8.2	10.4	0.37	150	0.55	0.01
ZZ42679		1.22	20.6	1.36	3.90	0.06	0.04	0.07	0.020	0.07	11.4	17.5	0.37	223	1.54	0.01
ZZ42680		0.69	20.5	1.02	2.35	0.07	0.05	0.07	0.016	0.04	8.2	9.3	0.23	138	0.57	0.02
ZZ42681		0.70	20.0	0.88	1.88	0.05	0.04	0.05	0.011	0.04	5.5	4.8	0.19	134	0.51	0.02
ZZ42682		0.46	28.8	0.78	1.35	0.05	0.03	0.05	0.012	0.03	3.8	3.6	0.17	228	0.39	0.02
ZZ42683		0.66	25.4	0.79	1.48	<0.05	0.03	0.04	0.017	0.03	4.5	8.2	0.30	186	0.28	0.02
ZZ42684		0.33	18.7	0.49	0.97	<0.05	0.03	0.02	0.008	0.02	2.6	1.6	0.09	134	0.25	0.02



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Sample Description	Method Analyte Units LOR	ME-MS41 Nb ppm 0.05	ME-MS41 Ni ppm 0.2	ME-MS41 P ppm 10	ME-MS41 Pb ppm 0.2	ME-MS41 Rb ppm 0.1	ME-MS41 Re ppm 0.001	ME-MS41 S % 0.01	ME-MS41 Sb ppm 0.05	ME-MS41 Sc ppm 0.1	ME-MS41 Se ppm 0.2	ME-MS41 Sn ppm 0.2	ME-MS41 Sr ppm 0.2	ME-MS41 Ta ppm 0.01	ME-MS41 Te ppm 0.01	ME-MS41 Th ppm 0.2
ZZ42675		0.57	14.4	820	7.5	7.7	<0.001	0.06	2.70	1.4	1.0	0.4	61.3	<0.01	0.03	0.9
ZZ42676		1.06	30.1	1020	13.1	14.6	0.002	0.07	2.78	2.8	4.6	0.6	78.2	<0.01	0.04	2.9
ZZ42677		0.62	28.5	1060	14.5	10.9	0.003	0.09	1.73	3.1	3.7	0.6	52.4	<0.01	0.04	2.5
ZZ42678		0.62	11.3	1010	9.1	10.1	0.001	0.05	0.97	1.9	1.3	0.5	54.0	<0.01	0.03	1.9
ZZ42679		0.75	16.9	820	12.4	10.7	0.001	0.04	1.31	2.8	1.7	0.6	45.4	<0.01	0.04	1.9
ZZ42680		0.58	12.2	580	9.3	5.7	0.001	0.10	1.49	1.8	1.7	0.5	65.0	<0.01	0.03	0.8
ZZ42681		0.46	9.8	720	9.1	4.4	0.001	0.11	1.57	1.0	1.5	0.5	54.0	<0.01	0.03	0.5
ZZ42682		0.40	13.2	620	12.3	3.3	<0.001	0.13	1.53	0.7	1.3	0.7	58.4	<0.01	0.03	0.3
ZZ42683		0.33	12.6	530	11.6	3.1	<0.001	0.09	1.19	0.8	0.9	1.9	71.2	<0.01	0.02	0.4
ZZ42684		0.24	10.8	360	14.0	1.4	<0.001	0.06	0.61	0.4	0.7	1.7	37.5	<0.01	0.02	0.3



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Sample Description	Method Analyte Units LOR	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
		0.005	0.02	0.05	1	0.05	0.05	2	0.5
ZZ42675		0.028	0.12	1.13	36	0.10	6.82	78	1.5
ZZ42676		0.032	0.21	1.46	40	0.27	10.60	130	2.8
ZZ42677		0.015	0.25	1.27	45	0.12	11.10	172	2.4
ZZ42678		0.021	0.14	0.78	34	0.08	5.90	74	2.3
ZZ42679		0.020	0.14	0.94	38	0.13	7.01	74	1.4
ZZ42680		0.015	0.07	1.14	28	0.17	7.08	55	1.9
ZZ42681		0.017	0.07	1.18	22	0.11	5.45	51	1.7
ZZ42682		0.012	0.02	1.62	15	0.15	5.89	62	1.2
ZZ42683		0.012	0.03	0.99	18	0.12	6.79	107	1.2
ZZ42684		0.011	<0.02	0.71	9	0.12	5.87	18	1.0



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Method	CERTIFICATE COMMENTS
ME-MS41 ME-MS41	Interference: Ca>10% on ICP-MS As,ICP-AES results shown. Gold determinations by this method are semi-quantitative due to the small sample weight used (0.5g).