



ALS Canada Ltd.  
2103 Dollarton Hwy  
North Vancouver BC V7H 0A7  
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

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: 2-SEP-2012  
Account: RANSIL

**CERTIFICATE WH12190099**

Project: SNAIL

P.O. No.: Snail

This report is for 22 Rock samples submitted to our lab in Whitehorse, YT, Canada on 14-AUG-2012.

The following have access to data associated with this certificate:

MATT DUMALA

JOAN MARIACHER

HEATHER SMITH

**SAMPLE PREPARATION**

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
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
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
ME-MS61	48 element four acid ICP-MS	
Ag-OG62	Ore Grade Ag - Four Acid	VARIABLE
Cu-OG62	Ore Grade Cu - Four Acid	VARIABLE
Au-AA23	Au 30g FA-AA finish	AAS
Au-GRA21	Au 30g FA-GRAV finish	WST-SIM

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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Page: 2 - A  
Total # Pages: 2 (A - D)  
Plus Appendix Pages  
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**CERTIFICATE OF ANALYSIS WH12190099**

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	ME-MS61 Ag ppm	ME-MS61 Al %	ME-MS61 As ppm	ME-MS61 Ba ppm	ME-MS61 Be ppm	ME-MS61 Bi ppm	ME-MS61 Ca %	ME-MS61 Cd ppm	ME-MS61 Ce ppm	ME-MS61 Co ppm	ME-MS61 Cr ppm	ME-MS61 Cs ppm	ME-MS61 Cu ppm	ME-MS61 Fe %
		0.02	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01
M676824		0.87	2.08	7.28	79.9	2690	2.34	0.36	4.79	3.55	50.7	10.7	97	5.05	157.5	3.70
M676825		0.86	5.32	2.12	48.0	200	0.44	7.37	0.60	0.11	12.10	8.3	52	1.66	174.0	25.1
M676826		0.84	>100	1.95	>10000	170	0.16	2340	0.06	7.01	3.03	277	4	2.53	>10000	16.90
M676827		1.02	3.13	7.21	603	1120	0.88	17.35	3.64	0.49	43.2	10.9	28	8.29	476	4.17
M676828		1.08	1.85	4.94	1890	550	2.24	27.0	2.33	0.23	82.9	10.9	95	2.10	544	4.17
M676829		0.94	0.73	1.44	32.3	150	0.18	1.06	5.68	0.18	26.2	65.2	19	6.73	1075	17.05
M676830		0.46	6.32	3.34	33.7	240	1.02	7.75	3.48	1.00	33.6	26.1	52	3.13	1515	26.7
M676831		0.68	2.50	6.00	10.7	2220	2.13	0.30	4.70	1.20	46.0	7.8	78	7.14	337	3.03
M676832		0.98	0.69	9.64	58.9	1030	0.76	0.81	9.46	0.13	133.0	34.9	32	12.10	72.8	6.62
M676833		0.94	0.47	3.41	28	570	0.45	0.89	11.45	2.15	33.8	13.3	26	1.88	81.9	6.72
M676834		1.20	0.47	5.86	6.3	410	0.73	0.77	9.74	0.30	99.3	20.0	37	6.43	104.5	5.14
M676835		0.46	0.45	5.37	179.5	810	0.83	1.01	4.96	0.18	60.6	23.3	65	2.37	55.4	4.44
M676836		0.87	1.61	8.18	125.5	120	0.54	4.43	4.54	0.71	41.2	29.8	28	7.14	322	13.35
M676837		0.63	3.67	9.85	>10000	140	2.71	20.4	0.15	1.90	19.45	354	14	13.05	259	10.70
M676838		0.54	21.8	0.35	>10000	140	0.08	1545	0.02	0.96	9.91	85.6	11	0.24	113.5	19.45
M676839		0.55	>100	0.55	1040	90	0.15	8430	0.07	2.42	3.57	1.9	12	1.77	136.5	0.75
M676840		0.40	6.81	7.15	5620	1650	1.52	50.6	3.38	3.58	56.1	6.4	15	15.10	961	2.82
M676841		0.77	1.93	4.12	47	1360	1.51	23.9	10.15	27.8	55.4	5.4	41	11.35	202	4.07
M676842		0.98	0.66	4.49	109.0	2020	1.94	4.58	0.32	0.26	32.2	0.9	120	5.02	42.7	1.21
M676843		0.75	0.38	7.87	20.8	660	0.83	5.24	4.73	0.23	56.1	9.9	19	6.44	103.5	4.25
M676844		1.24	2.10	7.53	82.9	1960	2.13	1.47	1.88	1.13	74.2	5.9	11	7.06	58.3	3.18
M676845		0.67	3.27	7.49	10.8	1620	2.68	8.25	2.23	3.63	75.5	4.8	10	4.77	76.8	3.08



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Page: 2 - B  
 Total # Pages: 2 (A - D)  
 Plus Appendix Pages  
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**CERTIFICATE OF ANALYSIS WH12190099**

Sample Description	Method Analyte Units LOR	ME-MS61 Ga ppm 0.05	ME-MS61 Ge ppm 0.05	ME-MS61 Hf ppm 0.1	ME-MS61 In ppm 0.005	ME-MS61 K % 0.01	ME-MS61 La ppm 0.5	ME-MS61 Li ppm 0.2	ME-MS61 Mg % 0.01	ME-MS61 Mn ppm 5	ME-MS61 Mo ppm 0.05	ME-MS61 Na % 0.01	ME-MS61 Nb ppm 0.1	ME-MS61 Ni ppm 0.2	ME-MS61 P ppm 10	ME-MS61 Pb ppm 0.5
M676824		20.2	0.22	2.5	0.062	3.27	30.5	31.1	3.60	330	5.85	0.51	14.3	66.3	3820	20.7
M676825		5.27	0.62	1.6	0.011	1.27	6.4	10.3	0.58	55	65.3	0.15	6.6	79.5	200	74.6
M676826		3.22	0.94	0.6	5.77	1.62	0.9	3.7	0.04	12	47.2	0.19	2.0	2.3	90	151.0
M676827		16.60	0.14	3.1	0.899	1.75	20.9	36.1	1.05	286	0.97	1.56	9.3	2.2	430	25.7
M676828		20.6	0.29	1.9	0.123	2.59	46.9	14.4	1.39	101	5.55	0.21	16.8	50.7	5540	9.8
M676829		7.93	1.16	0.9	0.049	1.43	18.2	19.9	9.35	201	9.42	0.09	5.2	275	9710	4.4
M676830		7.61	0.91	1.7	0.029	1.73	18.3	7.8	1.70	101	14.70	0.04	11.4	121.0	5520	171.5
M676831		18.00	0.15	3.2	0.046	3.65	29.6	27.8	2.64	132	4.83	0.11	21.3	70.2	6540	17.0
M676832		28.3	0.39	3.7	0.031	1.32	69.0	38.1	2.82	490	7.61	0.16	60.9	44.7	4810	7.0
M676833		11.10	0.25	1.7	0.072	0.45	17.8	14.0	4.08	2050	3.92	0.11	13.1	18.3	1180	7.7
M676834		14.55	0.30	3.1	0.037	0.88	51.0	23.7	3.72	687	3.96	0.08	40.3	20.8	2950	4.7
M676835		20.8	0.21	3.2	0.063	0.94	27.9	9.4	1.83	385	4.06	0.06	27.9	32.2	1770	4.8
M676836		22.0	0.35	2.2	0.049	1.78	15.8	62.0	4.79	408	3.08	0.06	53.4	50.0	3080	11.2
M676837		26.8	0.46	1.1	0.350	4.28	5.9	15.3	0.62	65	0.65	0.13	6.8	11.3	450	42.6
M676838		1.28	1.92	0.1	0.715	0.08	6.4	3.1	0.05	14	6.89	0.01	1.3	149.5	1770	169.5
M676839		1.40	0.16	0.1	0.170	0.14	1.8	8.8	0.06	54	120.0	0.07	0.8	2.1	50	1340
M676840		17.25	0.22	1.5	1.210	1.90	26.2	20.3	0.83	274	0.84	1.23	9.4	6.8	440	36.8
M676841		12.20	0.18	2.2	0.699	1.65	30.9	15.8	11.00	583	12.95	0.03	8.8	25.1	5560	14.6
M676842		17.30	0.15	2.1	0.044	1.95	18.5	20.4	0.40	44	3.36	0.08	7.3	6.1	1430	11.0
M676843		19.70	0.16	2.2	0.085	1.55	25.3	23.9	1.37	492	6.24	1.21	10.9	2.5	500	6.9
M676844		19.45	0.23	2.5	0.066	4.08	35.0	23.3	0.76	135	0.92	0.95	12.3	2.0	780	233
M676845		19.90	0.23	2.5	0.415	3.27	35.6	25.3	0.61	145	0.62	1.62	12.4	2.0	760	74.5



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Page: 2 - C  
Total # Pages: 2 (A - D)  
Plus Appendix Pages  
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**CERTIFICATE OF ANALYSIS WH12190099**

Sample Description	Method Analyte Units LOR	ME-MS61 Rb ppm 0.1	ME-MS61 Re ppm 0.002	ME-MS61 S % 0.01	ME-MS61 Sb ppm 0.05	ME-MS61 Sc ppm 0.1	ME-MS61 Se ppm 1	ME-MS61 Sn ppm 0.2	ME-MS61 Sr ppm 0.2	ME-MS61 Ta ppm 0.05	ME-MS61 Te ppm 0.05	ME-MS61 Th ppm 0.2	ME-MS61 Ti % 0.005	ME-MS61 Tl ppm 0.02	ME-MS61 U ppm 0.1	ME-MS61 V ppm 1
M676824		97.5	0.036	1.18	12.10	11.8	8	1.8	230	0.96	0.05	11.7	0.358	0.73	9.0	514
M676825		42.5	0.029	>10.0	25.8	2.6	76	0.6	69.2	0.45	0.75	4.4	0.116	1.19	9.9	131
M676826		61.9	0.061	8.97	135.0	3.1	186	106.0	38.2	0.17	53.5	2.2	0.060	1.03	0.7	13
M676827		83.0	<0.002	1.48	5.59	20.5	6	50.6	312	0.70	0.22	9.2	0.404	2.04	1.9	78
M676828		85.2	0.022	0.63	3.68	9.8	15	3.5	143.5	1.09	0.60	9.6	0.281	0.61	9.4	182
M676829		104.0	0.012	>10.0	5.64	2.8	70	0.4	48.9	0.25	0.43	2.8	0.082	0.90	7.4	204
M676830		60.6	0.010	>10.0	65.0	5.0	86	1.0	198.5	0.63	0.96	6.7	0.181	0.58	4.7	100
M676831		153.5	0.023	1.43	6.70	10.3	8	1.3	339	1.16	0.06	11.7	0.320	0.89	7.4	186
M676832		37.3	0.009	3.60	4.28	28.1	44	2.7	735	4.31	0.18	6.2	2.52	1.86	2.7	393
M676833		17.5	0.005	1.77	3.30	10.6	23	2.1	264	0.93	0.09	3.9	0.406	0.33	2.3	134
M676834		77.7	0.005	2.47	3.21	20.5	35	3.6	316	2.57	0.13	5.9	1.620	1.02	2.4	237
M676835		29.5	0.006	1.99	15.40	23.1	9	2.0	373	1.85	0.07	5.9	0.965	0.36	3.5	264
M676836		64.3	0.003	7.84	23.1	33.6	12	1.6	344	3.36	0.14	4.3	1.885	1.46	1.8	486
M676837		213	<0.002	6.46	125.0	20.0	49	393	50.1	0.50	13.75	5.4	0.307	4.10	1.8	72
M676838		6.6	0.007	6.28	548	2.1	462	45.3	6.9	0.05	12.70	1.4	0.020	0.11	0.9	93
M676839		16.4	0.018	0.15	248	1.4	34	24.0	15.2	0.05	347	1.2	0.026	0.91	0.7	9
M676840		97.1	<0.002	0.60	16.20	18.1	16	60.0	237	0.81	1.00	12.4	0.340	1.48	2.8	71
M676841		124.0	0.017	1.22	4.60	6.9	16	18.8	137.5	0.49	0.98	7.8	0.190	1.06	11.3	498
M676842		116.0	0.009	0.25	11.70	8.7	7	72.0	101.5	0.47	0.10	5.2	0.173	0.97	3.9	155
M676843		68.5	0.003	0.23	0.83	23.5	3	5.0	238	0.70	0.27	8.4	0.507	0.73	1.7	91
M676844		177.5	<0.002	1.43	46.3	15.3	6	32.6	253	1.07	0.05	13.3	0.328	1.93	3.3	70
M676845		152.5	<0.002	1.06	1.98	13.3	8	20.3	266	1.09	0.35	14.7	0.282	1.42	3.5	55



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Sample Description	Method Analyte Units LOR	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5	Ag-OG62 Ag ppm 1	Cu-OG62 Cu % 0.001	Au-AA23 Au ppm 0.005	Au-GRA21 Au ppm 0.05
M676824		1.1	22.2	493	95.2			0.014	
M676825		0.5	4.9	19	54.2			0.036	
M676826		4.4	5.5	302	17.4	103	1.465	2.16	
M676827		7.9	20.2	56	110.5			0.036	
M676828		0.7	60.4	40	70.7			0.038	
M676829		0.2	16.4	119	34.0			0.021	
M676830		0.7	26.3	289	63.8			0.191	
M676831		1.0	29.9	280	125.0			0.027	
M676832		2.4	43.1	101	141.0			<0.005	
M676833		0.5	18.1	1140	64.0			<0.005	
M676834		1.0	39.1	219	110.5			<0.005	
M676835		1.1	26.1	32	129.0			<0.005	
M676836		2.2	22.1	232	94.0			<0.005	
M676837		25.6	7.9	114	26.4			0.179	
M676838		2.3	0.7	38	6.4			0.407	
M676839		305	1.8	40	3.2	260		>10.0	16.80
M676840		21.5	22.8	190	44.0			0.036	
M676841		10.5	25.1	1890	85.7			0.060	
M676842		2.8	12.0	14	82.3			<0.005	
M676843		4.8	28.4	47	81.6			0.009	
M676844		2.7	25.7	92	75.3			<0.005	
M676845		2.3	24.5	216	78.2			0.005	



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Method	CERTIFICATE COMMENTS
ME-MS61	Interference: Ca>10% on ICP-MS As,ICP-AES results shown.
ME-MS61	REE's may not be totally soluble in this method.