



ALS Canada Ltd.  
 2103 Dollarton Hwy  
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 Phone: +1 604 984 0221 Fax: +1 604 984 0218  
 www.alsglobal.com/geochemistry

To: 802213 ALBERTA LTD.  
 301 MOUNT ROYAL PLACE  
 NANAIMO BC V9R 6A4

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 Total # Pages: 2 (A - H)  
 Plus Appendix Pages  
 Finalized Date: 15-JUL-2020  
 Account: 802ALB

**CERTIFICATE VA20134127**

Project: Mt. Sicker VMS

This report is for 1 Rock sample submitted to our lab in Vancouver, BC, Canada on 24-JUN-2020.

The following have access to data associated with this certificate:

KELLY FUNK		
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SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
CRU-QC	Crushing QC Test
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize up to 250g 85% <75 um
DISP-01	Disposal of all sample fractions

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	
ME-MS61	48 element four acid ICP-MS	
Hg-MS42	Trace Hg by ICPMS	ICP-MS
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
Zn-OG62	Ore Grade Zn - Four Acid	
ME-XRF15b	Various elements in ores by fusion XRF	XRF
Au-AA26	Ore Grade Au 50g FA AA finish	AAS
ME-MS81	Lithium Borate Fusion ICP-MS	ICP-MS
PGM-ICP27	Ore grade Pt, Pd and Au by ICP	ICP-AES

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

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

**Signature:**   
 Saa Traxler, General Manager, North Vancouver



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<b>CERTIFICATE OF ANALYSIS</b>	<b>VA20134127</b>
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Sample Description	Method	WEI-21	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	
	Analyte	Recvd Wt.	Ba	Ce	Cr	Cs	Dy	Er	Eu	Ga	Gd	Hf	Ho	La	Lu	Nb
	Units	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOD	0.02	0.5	0.1	10	0.01	0.05	0.03	0.02	0.1	0.05	0.1	0.01	0.1	0.01	0.1
VMS 1		1.44	132.5	28.1	150	0.05	5.42	3.24	1.17	11.9	5.20	1.5	1.15	17.9	0.37	6.1



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**CERTIFICATE OF ANALYSIS VA20134127**

Sample Description	Method Analyte Units LOD	ME-MS81 Nd ppm 0.1	ME-MS81 Pr ppm 0.02	ME-MS81 Rb ppm 0.2	ME-MS81 Sm ppm 0.03	ME-MS81 Sn ppm 1	ME-MS81 Sr ppm 0.1	ME-MS81 Ta ppm 0.1	ME-MS81 Tb ppm 0.01	ME-MS81 Th ppm 0.05	ME-MS81 Tm ppm 0.01	ME-MS81 U ppm 0.05	ME-MS81 V ppm 5	ME-MS81 W ppm 1	ME-MS81 Y ppm 0.1	ME-MS81 Yb ppm 0.03
VMS 1		19.1	4.42	3.2	4.38	<1	3.6	0.1	0.75	2.93	0.47	3.43	374	1	35.3	2.89

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Sample Description	Method Analyte Units LOD	ME-MS81 Zr ppm 2	PGM-ICP27 Au ppm 0.01	PGM-ICP27 Pt ppm 0.01	PGM-ICP27 Pd ppm 0.01	ME-MS61 Ag ppm 0.01	ME-MS61 Al % 0.01	ME-MS61 As ppm 0.2	ME-MS61 Ba ppm 10	ME-MS61 Be ppm 0.05	ME-MS61 Bi ppm 0.01	ME-MS61 Ca % 0.01	ME-MS61 Cd ppm 0.02	ME-MS61 Ce ppm 0.01	ME-MS61 Co ppm 0.1	ME-MS61 Cr ppm 1
VMS 1		60	0.24	0.01	0.01	3.03	4.06	195.0	60	0.08	1.67	0.24	425	28.9	46.5	145



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**CERTIFICATE OF ANALYSIS VA20134127**

Sample Description	Method Analyte Units LOD	ME-MS61 Cs ppm 0.05	ME-MS61 Cu ppm 0.2	ME-MS61 Fe % 0.01	ME-MS61 Ga ppm 0.05	ME-MS61 Ge ppm 0.05	ME-MS61 Hf ppm 0.1	Hg-MS42 Hg ppm 0.005	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
VMS 1		0.05	3440	23.0	11.15	0.30	1.4	55.9	3.24	0.20	17.9	12.0	4.37	1570	4.17	0.01

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Sample Description	Method	Analyte	Units	LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61			
					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
					0.1	0.2	10	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01
VMS 1					5.7	84.2	1800	45.4	3.1	0.012	>10.0	6.66	13.3	80	0.7	4.0	0.29	17.75	2.95



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Sample Description	Method Analyte Units LOD	ME-MS61 Ti %	ME-MS61 Ti ppm	ME-MS61 U ppm	ME-MS61 V ppm	ME-MS61 W ppm	ME-MS61 Y ppm	ME-MS61 Zn ppm	ME-MS61 Zr ppm	Zn-OG62 Zn %	ME-XRF15b Al2O3 %	ME-XRF15b As %	ME-XRF15b BaO %	ME-XRF15b Bi %	ME-XRF15b CaO %	ME-XRF15b CeO2 %
VMS 1		0.005	0.02	0.1	1	0.1	0.1	2	0.5	0.001	0.01	0.01	0.01	0.01	0.01	0.01
		0.246	0.39	3.4	358	0.5	25.2	>10000	59.3	10.20	7.83	0.04	0.04	<0.01	0.37	0.04



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Sample Description	Method Analyte Units LOD	ME-XRF15b	ME-XRF15b	ME-XRF15b	ME-XRF15b	ME-XRF15b	ME-XRF15b	ME-XRF15b	ME-XRF15b	ME-XRF15b	ME-XRF15b	ME-XRF15b	ME-XRF15b	ME-XRF15b	ME-XRF15b	
		Co	Cr	Cu	Fe	HfO2	K2O	La2O3	MgO	Mn	Mo	Nb	Ni	P2O5	Pb	Rb
		%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
		0.01	0.01	0.005	0.01	0.01	0.01	0.01	0.01	0.01	0.005	0.005	0.005	0.01	0.005	0.005
VMS 1		0.01	0.03	0.339	23.5	<0.01	0.26	0.02	7.83	0.18	<0.005	<0.005	0.011	0.42	0.019	<0.005





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		S	Sb	SiO2	Sn	Sr	TiO2	V	W	Y2O3	Zn	Zr	Au
		%	%	%	%	%	%	%	%	%	%	%	ppm
		0.01	0.005	0.01	0.005	0.01	0.01	0.01	0.001	0.005	0.005	0.01	0.01
VMS 1		>20.0	<0.005	14.95	<0.005	<0.01	0.45	0.05	0.002	0.010	10.00	0.02	0.24

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**CERTIFICATE OF ANALYSIS VA20134127**

**CERTIFICATE COMMENTS**

**ANALYTICAL COMMENTS**

Applies to Method: REEs may not be totally soluble in this method.  
ME-MS61

**LABORATORY ADDRESSES**

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Au-AA26	CRU-31	CRU-QC	DISP-01
Hg-MS42	LOG-22	ME-MS61	ME-MS81
ME-OG62	ME-XRF15b	PGM-ICP27	PUL-31
SPL-21	WEI-21	Zn-OG62	