ALS Canada Ltd.

2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218
www.alsglobal.com

To: **HOLLANDIA**
3733 REGIONAL RD. 15
CHELMSFORD ON P0M 1L0

Finalized Date: 23-JAN-2017
This copy reported on
26-JAN-2017
Account: HOLDIA

CERTIFICATE SD17004901

Project: 2017 Sampling

This report is for 3 Rock samples submitted to our lab in Sudbury, ON, Canada on 10-JAN-2017.

The following have access to data associated with this certificate:

TOM VANDRUNEN BEN VANDRUNEN	BEN VANDRUNEN	TOM VANDRUNEN

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
PUL-QC	Pulverizing QC Test
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
ME-MS42	Up to 34 elements by ICP-MS	ICP-MS
OA-GRA05	Loss on Ignition at 1000C	WST-SEQ
TOT-ICP06	Total Calculation for ICP06	ICP-AES
ME-4ACD81	Base Metals by 4-acid dig.	ICP-AES
ME-ICP06	Whole Rock Package - ICP-AES	ICP-AES
C-IR07	Total Carbon (Leco)	LECO
S-IR08	Total Sulphur (Leco)	LECO
ME-MS81	Lithium Borate Fusion ICP-MS	ICP-MS

To: **HOLLANDIA**
ATTN: BEN VANDRUNEN
3733 REGIONAL RD. 15
CHELMSFORD ON P0M 1L0

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 SD17004901

Sample Description	Method	WEI-21	ME-ICP06	ME-ICP06	ME-ICP06	ME-ICP06	ME-ICP06	ME-ICP06	ME-ICP06	ME-ICP06	ME-ICP06	ME-ICP06	ME-ICP06	ME-ICP06	ME-ICP06	OA-GRA05
	Analyte	Recvd Wt.	SiO2	Al2O3	Fe2O3	CaO	MgO	Na2O	K2O	Cr2O3	TiO2	MnO	P2O5	SrO	BaO	LOI
	Units	kg	%	%	%	%	%	%	%	%	%	%	%	%	%	%
	LOR	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
2017-298A		1.51	66.9	12.90	6.55	0.88	4.50	3.99	0.83	0.02	0.58	0.15	0.12	0.01	0.04	2.98
2017-298B		1.17	86.7	7.04	1.83	0.46	0.29	2.25	1.85	0.01	0.17	0.02	0.01	0.01	0.04	0.78
2017-299		0.57	73.7	12.65	2.97	0.69	1.36	4.14	3.48	<0.01	0.51	0.07	0.14	0.01	0.15	1.14

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Sample Description	Method	TOT-ICP06	C-IR07	S-IR08	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	Total	C	S	Ba	Ce	Cr	Cs	Dy	Er	Eu	Ga	Gd	Ge	Hf	Ho
	Units	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.01	0.01	0.01	0.5	0.5	10	0.01	0.05	0.03	0.03	0.1	0.05	5	0.2	0.01
2017-298A		100.45	0.09	0.01	351	40.6	130	0.16	3.12	2.03	0.87	16.2	3.77	<5	3.9	0.68
2017-298B		101.46	0.10	0.02	341	22.6	100	1.15	0.93	0.50	0.36	7.1	1.12	<5	3.0	0.17
2017-299		101.01	0.03	<0.01	1330	47.6	40	0.23	2.34	1.53	0.73	15.0	2.89	<5	4.7	0.51

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Sample Description	Method / Analyte / Units / LOR	ME-MS81 La ppm 0.5	ME-MS81 Lu ppm 0.01	ME-MS81 Nb ppm 0.2	ME-MS81 Nd ppm 0.1	ME-MS81 Pr ppm 0.03	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
2017-298A		23.4	0.28	8.3	21.3	5.62	18.5	3.99	1	101.5	0.6	0.55	7.85	0.29	2.26	132
2017-298B		11.2	0.09	2.7	9.0	2.60	54.0	1.57	1	72.4	0.3	0.16	4.80	0.08	0.84	21
2017-299		19.7	0.22	7.4	19.2	5.05	76.8	3.40	1	139.0	0.6	0.44	10.30	0.22	2.38	74

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Sample Description	Method	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS42	ME-MS42	ME-MS42	ME-MS42	ME-MS42	ME-MS42	ME-MS42	ME-MS42	ME-MS42	ME-4ACD81	ME-4ACD81
	Analyte	W	Y	Yb	Zr	As	Bi	Hg	In	Re	Sb	Se	Te	Tl	Ag	Cd
	Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	1	0.5	0.03	2	0.1	0.01	0.005	0.005	0.001	0.05	0.2	0.01	0.02	0.5	0.5
2017-298A		1	18.4	1.86	141	17.7	0.15	0.018	0.020	<0.001	0.09	0.2	0.05	0.02	<0.5	<0.5
2017-298B		5	4.9	0.58	110	2.7	0.48	0.012	<0.005	<0.001	0.05	0.2	0.01	0.06	<0.5	<0.5
2017-299		1	13.8	1.45	166	4.2	0.15	0.009	0.033	<0.001	0.07	<0.2	0.05	0.03	<0.5	<0.5

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Sample Description	Method Analyte Units LOR	ME-4ACD81 Co ppm 1	ME-4ACD81 Cu ppm 1	ME-4ACD81 Li ppm 10	ME-4ACD81 Mo ppm 1	ME-4ACD81 Ni ppm 1	ME-4ACD81 Pb ppm 2	ME-4ACD81 Sc ppm 1	ME-4ACD81 Zn ppm 2
2017-298A		13	33	10	2	59	24	12	95
2017-298B		5	30	10	2	9	8	2	9
2017-299		4	11	<10	<1	11	44	7	93

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CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Processed at ALS Sudbury located at 1351-B Kelly Lake Road, Unit #1, Sudbury, ON, Canada.

Applies to Method:	CRU-31	CRU-QC	LOG-22	PUL-31
	PUL-QC	SPL-21	WEI-21	

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Applies to Method:	C-IR07	ME-4ACD81	ME-ICP06	ME-MS42
	ME-MS81	OA-GRA05	S-IR08	TOT-ICP06