ALS Canada Ltd.

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

To: JEAN PAUL VIENNEAU
525 SECORD STREET
ESPANOLA ON P5E 1L9

Finalized Date: 11-AUG-2021
Account: JPVNVMAK

CERTIFICATE SD21190072

This report is for 6 samples of Rock submitted to our lab in Sudbury, ON, Canada on 22-JUL-2021.

The following have access to data associated with this certificate:

JEAN PAUL VIENNEAU		

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
PUL-31	Pulverize up to 250g 85% <75 um
PUL-QC	Pulverizing QC Test
CRU-QC	Crushing QC Test

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
PGM-ICP23	Pt, Pd, Au 30g FA ICP	ICP-AES
ME-MS61r	4A multi-element ICP-MS + REE	

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

ALS Canada Ltd.

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

To: JEAN PAUL VIENNEAU
525 SECORD STREET
ESPANOLA ON P5E 1L9

Finalized Date: 11-AUG-2021
Account: JPVNVMAK

CERTIFICATE OF ANALYSIS SD21190072

Sample Description	Method / Analyte / Units / LOD	WEI-21 Recvd Wt. kg 0.02	PUL-QC Pass75um % 0.01	CRU-QC Pass2mm % 0.01	ME-MS61r Ag ppm 0.01	ME-MS61r Al % 0.01	ME-MS61r As ppm 0.2	ME-MS61r Ba ppm 10	ME-MS61r Be ppm 0.05	ME-MS61r Bi ppm 0.01	ME-MS61r Ca % 0.01	ME-MS61r Cd ppm 0.02	ME-MS61r Ce ppm 0.01	ME-MS61r Co ppm 0.1	ME-MS61r Cr ppm 1	ME-MS61r Cs ppm 0.05
Sample #1 A		0.87	93.0	82.4	0.10	6.44	44.1	290	1.00	0.69	1.03	0.08	16.15	38.8	70	1.60
Sample #2		1.12	94.5		0.01	7.85	4.5	280	1.32	0.37	0.39	0.08	23.3	35.7	216	1.04
Sample #2 A		0.85			0.17	6.84	12.6	40	0.72	1.19	0.95	0.05	27.2	27.3	68	0.56
Sample #3		0.92			0.01	2.90	1.8	40	0.31	0.04	0.58	0.03	12.20	9.3	50	0.19
Sample #4		0.80			0.04	2.75	8.9	20	0.19	0.10	1.61	0.04	8.54	33.6	39	0.23
Sample #5		2.26			<0.01	3.77	0.8	10	0.13	0.01	0.60	<0.02	3.52	30.1	42	0.16

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

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 604 984 0221 Fax: +1 604 984 0218
www.alsglobal.com/geochemistry

To: JEAN PAUL VIENNEAU
525 SECORD STREET
ESPANOLA ON P5E 1L9

Finalized Date: 11-AUG-2021
Account: JPVNVMAK

CERTIFICATE OF ANALYSIS SD21190072

Sample Description	Method	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r
	Analyte	Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni
	Units	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	LOD	0.2	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2
Sample #1 A		568	9.74	20.1	0.12	3.2	0.068	1.00	6.8	41.7	3.01	1330	0.84	0.71	20.4	217
Sample #2		100.5	7.40	22.6	0.11	1.7	0.042	1.29	13.9	25.1	3.39	1420	0.36	3.25	3.9	170.5
Sample #2 A		467	9.98	16.80	0.17	2.4	0.060	0.12	9.9	41.0	3.10	1400	0.50	2.03	14.1	182.0
Sample #3		208	2.98	6.52	0.14	1.1	0.010	0.25	5.4	4.5	0.74	397	0.69	1.35	1.6	13.7
Sample #4		515	5.92	9.65	0.15	0.5	0.018	0.05	3.2	8.2	1.57	1900	0.26	0.32	3.7	37.3
Sample #5		5.1	9.14	13.25	0.05	0.1	0.016	0.05	1.5	10.1	2.31	1360	0.23	0.13	1.3	28.9

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

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 604 984 0221 Fax: +1 604 984 0218
www.alsglobal.com/geochemistry

To: JEAN PAUL VIENNEAU
525 SECORD STREET
ESPANOLA ON P5E 1L9

Finalized Date: 11-AUG-2021
Account: JPVNVMAK

CERTIFICATE OF ANALYSIS SD21190072

Sample Description	Method	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r
	Analyte	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl
	Units	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm
	LOD	10	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02
Sample #1 A		940	8.0	59.3	<0.002	0.58	1.74	28.5	5	1.7	45.1	1.17	0.58	1.67	1.320	0.34
Sample #2		720	3.7	14.4	<0.002	0.03	1.04	19.5	<1	1.0	123.0	0.25	<0.05	1.44	0.430	0.24
Sample #2 A		420	4.1	8.3	<0.002	0.21	2.97	18.8	5	1.3	77.5	0.91	0.59	2.35	1.480	0.06
Sample #3		190	1.7	11.1	<0.002	0.03	0.47	3.0	<1	0.2	28.0	0.15	<0.05	2.19	0.131	0.04
Sample #4		340	2.8	4.5	<0.002	0.15	0.66	10.4	1	0.7	22.7	0.21	<0.05	0.44	0.264	0.03
Sample #5		120	0.7	3.9	<0.002	0.01	0.28	7.1	<1	0.2	11.1	0.08	<0.05	0.21	0.109	0.02

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

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 604 984 0221 Fax: +1 604 984 0218
www.alsglobal.com/geochemistry

To: JEAN PAUL VIENNEAU
525 SECORD STREET
ESPANOLA ON P5E 1L9

Finalized Date: 11-AUG-2021
Account: JPVNVMAK

CERTIFICATE OF ANALYSIS SD21190072

Sample Description	Method Analyte Units LOD	ME-MS61r U ppm 0.1	ME-MS61r V ppm 1	ME-MS61r W ppm 0.1	ME-MS61r Y ppm 0.1	ME-MS61r Zn ppm 2	ME-MS61r Zr ppm 0.5	ME-MS61r Dy ppm 0.05	ME-MS61r Er ppm 0.03	ME-MS61r Eu ppm 0.03	ME-MS61r Gd ppm 0.05	ME-MS61r Ho ppm 0.01	ME-MS61r Lu ppm 0.01	ME-MS61r Nd ppm 0.1	ME-MS61r Pr ppm 0.03	ME-MS61r Sm ppm 0.03
Sample #1 A		2.9	227	5.4	23.3	141	125.0	4.50	2.62	0.92	3.77	0.90	0.31	9.9	2.08	3.18
Sample #2		1.8	138	0.6	11.4	125	61.0	2.49	1.32	0.78	2.97	0.47	0.16	15.6	3.67	3.19
Sample #2 A		3.0	185	14.2	15.3	143	89.3	3.61	1.70	1.10	3.69	0.62	0.18	13.9	3.24	3.71
Sample #3		0.4	77	0.4	3.3	25	36.8	0.65	0.39	0.22	0.86	0.13	0.06	5.4	1.40	1.14
Sample #4		0.1	130	0.8	9.5	52	15.3	1.86	1.16	0.32	1.54	0.37	0.20	4.9	1.06	1.40
Sample #5		<0.1	169	0.2	3.1	89	4.7	0.61	0.36	0.15	0.55	0.12	0.04	2.0	0.45	0.48

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

ALS Canada Ltd.

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

To: JEAN PAUL VIENNEAU
525 SECORD STREET
ESPANOLA ON P5E 1L9

Finalized Date: 11-AUG-2021
Account: JPVNVMAK

CERTIFICATE OF ANALYSIS SD21190072

Sample Description	Method Analyte Units LOD	ME-MS61r Tb ppm 0.01	ME-MS61r Tm ppm 0.01	ME-MS61r Yb ppm 0.03	PGM-ICP23 Au ppm 0.001	PGM-ICP23 Pt ppm 0.005	PGM-ICP23 Pd ppm 0.001
Sample #1 A		0.70	0.35	2.23	0.059	0.007	0.009
Sample #2		0.44	0.17	1.07	0.017	<0.005	0.002
Sample #2 A		0.56	0.22	1.39	1.290	0.007	0.002
Sample #3		0.12	0.05	0.38	0.011	<0.005	0.001
Sample #4		0.25	0.16	1.15	0.024	<0.005	0.003
Sample #5		0.10	0.05	0.30	0.001	<0.005	0.001

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

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 604 984 0221 Fax: +1 604 984 0218
www.alsglobal.com/geochemistry

To: JEAN PAUL VIENNEAU
525 SECORD STREET
ESPANOLA ON P5E 1L9

Finalized Date: 11-AUG-2021
Account: JPVNVMAK

CERTIFICATE OF ANALYSIS SD21190072

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

REEs may not be totally soluble in this method.

Applies to Method: ME-MS61r

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: ME-MS61r, PGM-ICP23