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: 31-AUG-2021
This copy reported on 1-SEP-2021
Account: JPVNVMAK

QC CERTIFICATE SD21210070

This report is for 1 sample of Rock submitted to our lab in Sudbury, ON, Canada on 11-AUG-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-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize up to 250g 85% <75 um

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
ME-MS61r	4A multi-element ICP-MS + REE	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
Cu-OG62	Ore Grade Cu - Four Acid	
PGM-ICP23	Pt, Pd, Au 30g FA 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

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: 31-AUG-2021
Account: JPVNVMAK

QC CERTIFICATE OF ANALYSIS SD21210070

Sample Description / Method / Analyte / Units / LOD	PGM-ICP23 Au ppm 0.001	PGM-ICP23 Pt ppm 0.005	PGM-ICP23 Pd ppm 0.001	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
STANDARDS															
CCU-1e															
Target Range - Lower Bound															
Upper Bound															
G919-10	7.91	<0.005	0.001												
Target Range - Lower Bound	7.12														
Upper Bound	8.04														
GBM903-13															
Target Range - Lower Bound															
Upper Bound															
GPP-14	0.929	0.507	0.487												
Target Range - Lower Bound	0.853	0.468	0.451												
Upper Bound	0.965	0.538	0.511												
MRGeo08				4.51	7.66	34.4	1090	3.49	0.66	2.72	2.40	79.2	19.9	96	12.65
Target Range - Lower Bound				3.93	6.64	29.5	920	2.98	0.58	2.35	2.00	66.2	17.7	81	11.20
Upper Bound				4.83	8.14	36.5	1270	3.76	0.73	2.90	2.48	81.0	21.9	102	13.80
OREAS 621															
Target Range - Lower Bound															
Upper Bound															
OREAS 684	0.259	3.97	1.785												
Target Range - Lower Bound	0.232	3.63	1.615												
Upper Bound	0.264	4.11	1.825												
OREAS 905				0.57	7.63	37.8	2770	3.21	5.92	0.62	0.38	99.0	15.7	19	7.37
Target Range - Lower Bound				0.46	6.67	31.0	2280	2.69	5.14	0.52	0.30	82.8	13.2	16	6.05
Upper Bound				0.58	8.17	38.4	3110	3.39	6.30	0.66	0.42	101.0	16.4	22	7.51
OREAS-106				0.08	7.18	3.0	290	4.57	0.53	1.05	0.08	137.5	6.8	42	1.07
Target Range - Lower Bound				0.03	6.62	1.7	230	4.25	0.38	0.94	0.04	123.5	5.8	37	0.90
Upper Bound				0.07	8.11	2.8	340	5.31	0.49	1.18	0.12	150.5	7.4	48	1.22
OREAS-45d				0.15	8.16	13.5	180	0.69	0.32	0.19	0.02	36.2	28.7	542	3.81
Target Range - Lower Bound				0.13	7.33	12.2	140	0.65	0.27	0.16	<0.02	33.5	26.5	493	3.47
Upper Bound				0.19	8.98	15.4	220	0.93	0.35	0.21	0.09	40.9	32.6	605	4.35
PMP-18	0.307	<0.005	0.001												
Target Range - Lower Bound	0.289	<0.005	<0.001												
Upper Bound	0.327	0.010	0.002												

***** 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: 31-AUG-2021
Account: JPVNVMAK

QC CERTIFICATE OF ANALYSIS SD21210070

Sample Description	Method / Analyte / Units / LOD	ME-MS61r Cu ppm 0.2	ME-MS61r Fe % 0.01	ME-MS61r Ga ppm 0.05	ME-MS61r Ge ppm 0.05	ME-MS61r Hf ppm 0.1	ME-MS61r In ppm 0.005	ME-MS61r K % 0.01	ME-MS61r La ppm 0.5	ME-MS61r Li ppm 0.2	ME-MS61r Mg % 0.01	ME-MS61r Mn ppm 5	ME-MS61r Mo ppm 0.05	ME-MS61r Na % 0.01	ME-MS61r Nb ppm 0.1	ME-MS61r Ni ppm 0.2
STANDARDS																
CCU-1e																
Target Range - Lower Bound																
Upper Bound																
G919-10																
Target Range - Lower Bound																
Upper Bound																
GBM903-13																
Target Range - Lower Bound																
Upper Bound																
GPP-14																
Target Range - Lower Bound																
Upper Bound																
MRGeo08		639	4.03	20.4	0.18	3.3	0.167	3.20	41.0	32.7	1.40	570	15.70	2.01	21.6	724
Target Range - Lower Bound		587	3.55	17.50	<0.05	2.8	0.155	2.79	31.1	29.5	1.17	497	13.65	1.76	19.0	622
Upper Bound		675	4.37	21.5	0.28	3.6	0.201	3.43	39.1	36.5	1.45	619	16.75	2.18	23.4	760
OREAS 621																
Target Range - Lower Bound																
Upper Bound																
OREAS 684																
Target Range - Lower Bound																
Upper Bound																
OREAS 905		1605	4.05	27.6	0.20	7.5	0.681	2.95	51.9	21.4	0.28	382	3.55	2.49	19.8	9.9
Target Range - Lower Bound		1425	3.66	22.5	<0.05	6.1	0.571	2.58	40.9	17.8	0.24	333	2.89	2.15	16.2	8.4
Upper Bound		1640	4.50	27.7	0.28	7.6	0.709	3.18	51.1	22.2	0.31	418	3.65	2.65	20.0	10.7
OREAS-106		151.0	2.22	28.7	0.26	4.4	0.054	1.60	53.9	11.2	0.56	154	8.59	3.92	42.4	13.8
Target Range - Lower Bound		121.5	2.02	25.0	0.14	3.9	0.048	1.40	48.1	10.2	0.48	124	7.29	3.54	37.3	12.2
Upper Bound		140.0	2.49	30.6	0.40	4.9	0.074	1.73	59.9	12.9	0.61	162	9.03	4.35	45.8	15.4
OREAS-45d		371	14.00	21.7	0.12	3.9	0.085	0.41	18.0	19.9	0.23	469	2.46	0.09	14.6	229
Target Range - Lower Bound		345	13.05	19.05	0.08	3.5	0.081	0.36	14.7	19.2	0.21	436	2.20	0.08	13.0	208
Upper Bound		397	16.00	23.4	0.32	4.6	0.111	0.46	19.1	23.9	0.28	544	2.80	0.13	16.1	254
PMP-18																
Target Range - Lower Bound																
Upper Bound																

***** 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: 31-AUG-2021
Account: JPVNVMAK

QC CERTIFICATE OF ANALYSIS SD21210070

Sample Description	Method / Analyte / Units / LOD	ME-MS61r P ppm 10	ME-MS61r Pb ppm 0.5	ME-MS61r Rb ppm 0.1	ME-MS61r Re ppm 0.002	ME-MS61r S % 0.01	ME-MS61r Sb ppm 0.05	ME-MS61r Sc ppm 0.1	ME-MS61r Se ppm 1	ME-MS61r Sn ppm 0.2	ME-MS61r Sr ppm 0.2	ME-MS61r Ta ppm 0.05	ME-MS61r Te ppm 0.05	ME-MS61r Th ppm 0.01	ME-MS61r Ti % 0.005	ME-MS61r Tl ppm 0.02
STANDARDS																
CCU-1e																
Target Range - Lower Bound																
Upper Bound																
G919-10																
Target Range - Lower Bound																
Upper Bound																
GBM903-13																
Target Range - Lower Bound																
Upper Bound																
GPP-14																
Target Range - Lower Bound																
Upper Bound																
MRGeo08		1110	1085	218	0.008	0.32	4.84	12.3	1	4.3	312	1.58	<0.05	21.9	0.499	1.14
Target Range - Lower Bound		930	971	173.5	0.004	0.27	3.89	11.1	<1	3.5	277	1.39	<0.05	17.90	0.443	0.86
Upper Bound		1160	1185	212	0.013	0.35	5.39	13.7	4	4.7	339	1.81	0.12	21.9	0.553	1.21
OREAS 621																
Target Range - Lower Bound																
Upper Bound																
OREAS 684																
Target Range - Lower Bound																
Upper Bound																
OREAS 905		290	31.6	148.0	<0.002	0.07	2.25	5.4	3	4.4	163.5	1.44	0.09	15.75	0.124	0.78
Target Range - Lower Bound		240	26.9	124.0	<0.002	0.04	1.61	4.3	<1	3.4	141.0	1.16	<0.05	13.15	0.105	0.58
Upper Bound		320	33.9	152.0	0.004	0.09	2.29	5.5	4	4.6	173.0	1.52	0.17	16.05	0.139	0.83
OREAS-106		1780	301	93.8	0.003	0.04	0.28	6.2	1	7.0	80.9	4.59	<0.05	640	0.315	0.31
Target Range - Lower Bound		1520	269	85.6	<0.002	0.02	0.14	5.7	<1	5.7	75.0	3.95	<0.05	580	0.268	0.24
Upper Bound		1880	330	105.0	0.007	0.06	0.39	7.2	6	7.5	92.1	4.93	0.13	708	0.338	0.38
OREAS-45d		430	20.7	42.3	<0.002	0.05	0.89	47.9	3	2.6	31.8	1.07	0.09	14.90	0.759	0.25
Target Range - Lower Bound		370	19.1	37.8	<0.002	0.03	0.64	44.3	<1	2.2	28.0	0.87	<0.05	13.50	0.691	0.20
Upper Bound		470	24.5	46.4	0.007	0.07	1.00	54.3	5	3.2	34.6	1.17	0.23	16.50	0.855	0.34
PMP-18																
Target Range - Lower Bound																
Upper Bound																

***** 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: 31-AUG-2021
Account: JPVNVMAK

QC CERTIFICATE OF ANALYSIS SD21210070

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
STANDARDS																
CCU-1e																
Target Range - Lower Bound																
Upper Bound																
G919-10																
Target Range - Lower Bound																
Upper Bound																
GBM903-13																
Target Range - Lower Bound																
Upper Bound																
GPP-14																
Target Range - Lower Bound																
Upper Bound																
MRGeo08		6.1	112	5.0	27.9	839	109.5	5.30	3.03	1.47	5.77	1.06	0.42	36.1	9.47	6.97
Target Range - Lower Bound		4.9	97	4.1	23.8	722	92.2	3.99	2.25	1.12	4.60	0.79	0.32	26.5	7.02	5.24
Upper Bound		6.2	121	5.8	29.3	886	126.0	5.51	3.11	1.59	6.34	1.09	0.46	36.1	9.56	7.16
OREAS 621																
Target Range - Lower Bound																
Upper Bound																
OREAS 684																
Target Range - Lower Bound																
Upper Bound																
OREAS 905		5.4	10	3.0	17.2	144	270	3.96	1.19	1.49	6.24	0.57	0.11	44.0	11.35	8.32
Target Range - Lower Bound		4.4	8	2.3	14.0	122	214	3.11	0.92	1.18	4.97	0.42	0.06	33.1	8.90	6.26
Upper Bound		5.6	13	3.3	17.4	154	290	4.33	1.32	1.66	6.84	0.59	0.12	45.1	12.10	8.54
OREAS-106		1155	40	2.7	91.5	37	158.5	18.25	11.55	1.98	17.60	3.82	1.62	89.2	19.45	22.2
Target Range - Lower Bound		1030	37	4.0	83.4	30	130.5	16.10	10.35	1.67	15.40	3.31	1.40	71.3	16.70	17.55
Upper Bound		1255	47	5.6	102.0	42	178.0	21.9	14.05	2.33	21.0	4.50	1.92	96.7	22.7	23.8
OREAS-45d		2.7	224	1.7	10.3	44	143.5	2.21	1.26	0.62	2.39	0.44	0.20	15.3	3.93	3.01
Target Range - Lower Bound		2.3	211	1.3	8.5	39	119.5	1.87	1.14	0.45	2.01	0.38	0.16	11.3	3.12	2.35
Upper Bound		3.0	260	2.0	10.6	52	162.5	2.65	1.62	0.69	2.83	0.54	0.24	15.5	4.29	3.25
PMP-18																
Target Range - Lower Bound																
Upper Bound																

***** 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: 31-AUG-2021
Account: JPVNVMAK

QC CERTIFICATE OF ANALYSIS SD21210070

Sample Description	Method / Analyte / Units / LOD	ME-MS61r Tb ppm 0.01	ME-MS61r Tm ppm 0.01	ME-MS61r Yb ppm 0.03	Cu-OG62 Cu % 0.001
STANDARDS					
CCU-1e					22.8
Target Range - Lower Bound					22.1
Upper Bound					23.7
G919-10					
Target Range - Lower Bound					
Upper Bound					
GBM903-13					2.81
Target Range - Lower Bound					2.79
Upper Bound					3.00
GPP-14					
Target Range - Lower Bound					
Upper Bound					
MRGeo08		0.88	0.43	2.80	
Target Range - Lower Bound		0.67	0.32	2.13	
Upper Bound		0.93	0.46	2.95	
OREAS 621					0.376
Target Range - Lower Bound					0.349
Upper Bound					0.377
OREAS 684					
Target Range - Lower Bound					
Upper Bound					
OREAS 905		0.83	0.14	0.75	
Target Range - Lower Bound		0.64	0.09	0.55	
Upper Bound		0.90	0.15	0.81	
OREAS-106		2.91	1.78	11.55	
Target Range - Lower Bound		2.63	1.59	9.03	
Upper Bound		3.58	2.17	12.30	
OREAS-45d		0.38	0.19	1.34	
Target Range - Lower Bound		0.33	0.15	1.10	
Upper Bound		0.47	0.23	1.56	
PMP-18					
Target Range - Lower Bound					
Upper Bound					

***** 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: 31-AUG-2021
Account: JPVNVMAK

QC CERTIFICATE OF ANALYSIS SD21210070

Sample Description / Method / Analyte / Units / LOD	PGM-ICP23 Au ppm 0.001	PGM-ICP23 Pt ppm 0.005	PGM-ICP23 Pd ppm 0.001	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
BLANKS															
BLANK															
Target Range - Lower Bound															
Upper Bound															
BLANK				<0.01	<0.01	<0.2	<10	<0.05	0.01	<0.01	<0.02	<0.01	<0.1	<1	<0.05
Target Range - Lower Bound				<0.01	<0.01	<0.2	<10	<0.05	<0.01	<0.01	<0.02	<0.01	<0.1	<1	<0.05
Upper Bound				0.02	0.02	0.4	20	0.10	0.02	0.02	0.04	0.02	0.2	2	0.10
BLANK	<0.001	<0.005	0.001												
Target Range - Lower Bound	<0.001	<0.005	<0.001												
Upper Bound	0.002	0.010	0.002												
DUPLICATES															
ORIGINAL				0.13	6.63	7.1	610	1.41	0.19	2.25	0.21	84.5	12.0	63	3.37
DUP				0.11	6.75	6.4	620	1.33	0.20	2.30	0.19	82.3	11.6	64	3.21
Target Range - Lower Bound				0.10	6.35	6.2	560	1.25	0.18	2.15	0.17	79.2	11.1	59	3.08
Upper Bound				0.14	7.03	7.3	670	1.49	0.21	2.40	0.23	87.6	12.5	68	3.50
ORIGINAL															
DUP															
Target Range - Lower Bound															
Upper Bound															
ORIGINAL	0.002	<0.005	0.001												
DUP	0.002	<0.005	<0.001												
Target Range - Lower Bound	<0.001	<0.005	<0.001												
Upper Bound	0.003	0.010	0.002												
ORIGINAL	0.006	<0.005	<0.001												
DUP	0.008	<0.005	<0.001												
Target Range - Lower Bound	0.006	<0.005	<0.001												
Upper Bound	0.008	0.010	0.002												
ORIGINAL	0.043	<0.005	<0.001												
DUP	0.032	<0.005	<0.001												
Target Range - Lower Bound	0.035	<0.005	<0.001												
Upper Bound	0.040	0.010	0.002												

***** 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: 31-AUG-2021
Account: JPVNVMAK

QC CERTIFICATE OF ANALYSIS SD21210070

Sample Description / Method / Analyte / Units / LOD	ME-MS61r Cu ppm 0.2	ME-MS61r Fe % 0.01	ME-MS61r Ga ppm 0.05	ME-MS61r Ge ppm 0.05	ME-MS61r Hf ppm 0.1	ME-MS61r In ppm 0.005	ME-MS61r K % 0.01	ME-MS61r La ppm 0.5	ME-MS61r Li ppm 0.2	ME-MS61r Mg % 0.01	ME-MS61r Mn ppm 5	ME-MS61r Mo ppm 0.05	ME-MS61r Na % 0.01	ME-MS61r Nb ppm 0.1	ME-MS61r Ni ppm 0.2
BLANKS															
BLANK															
Target Range - Lower Bound															
Upper Bound															
BLANK	<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
Target Range - Lower Bound	<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
Upper Bound	0.4	0.02	0.10	0.10	0.2	0.010	0.02	1.0	0.4	0.02	10	0.10	0.02	0.2	0.4
BLANK															
Target Range - Lower Bound															
Upper Bound															
DUPLICATES															
ORIGINAL	26.9	2.99	18.35	0.25	3.5	0.031	1.89	44.7	32.9	1.09	506	0.46	1.73	9.4	35.9
DUP	26.4	3.04	17.45	0.16	3.4	0.031	1.92	43.7	31.5	1.11	509	0.39	1.76	9.3	34.9
Target Range - Lower Bound	25.5	2.85	16.95	0.14	3.2	0.024	1.80	41.5	30.4	1.04	477	0.35	1.65	8.8	33.4
Upper Bound	27.8	3.18	18.85	0.27	3.7	0.038	2.01	46.9	34.0	1.17	538	0.50	1.84	9.9	37.4
ORIGINAL															
DUP															
Target Range - Lower Bound															
Upper Bound															
ORIGINAL															
DUP															
Target Range - Lower Bound															
Upper Bound															
ORIGINAL															
DUP															
Target Range - Lower Bound															
Upper Bound															
ORIGINAL															
DUP															
Target Range - Lower Bound															
Upper Bound															

***** 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: 31-AUG-2021
Account: JPVNVMAK

QC CERTIFICATE OF ANALYSIS SD21210070

Sample Description	Method / Analyte / Units / LOD	ME-MS61r P ppm 10	ME-MS61r Pb ppm 0.5	ME-MS61r Rb ppm 0.1	ME-MS61r Re ppm 0.002	ME-MS61r S % 0.01	ME-MS61r Sb ppm 0.05	ME-MS61r Sc ppm 0.1	ME-MS61r Se ppm 1	ME-MS61r Sn ppm 0.2	ME-MS61r Sr ppm 0.2	ME-MS61r Ta ppm 0.05	ME-MS61r Te ppm 0.05	ME-MS61r Th ppm 0.01	ME-MS61r Ti % 0.005	ME-MS61r Tl ppm 0.02
		BLANKS														
BLANK																
Target Range - Lower Bound																
Upper Bound																
BLANK		<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
Target Range - Lower Bound		<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
Upper Bound		20	1.0	0.2	0.004	0.02	0.10	0.2	5	0.4	0.4	0.10	0.10	0.02	0.010	0.04
BLANK																
Target Range - Lower Bound																
Upper Bound																
		DUPLICATES														
ORIGINAL		830	15.4	93.8	<0.002	0.04	0.31	10.0	1	1.4	316	0.67	<0.05	11.65	0.297	0.56
DUP		850	15.2	93.6	<0.002	0.04	0.30	9.8	1	1.3	318	0.64	<0.05	11.65	0.299	0.55
Target Range - Lower Bound		790	14.0	88.9	<0.002	0.03	0.23	9.3	<1	1.1	301	0.57	<0.05	11.05	0.278	0.49
Upper Bound		890	16.6	98.5	0.004	0.05	0.38	10.5	2	1.6	333	0.74	0.10	12.25	0.318	0.62
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																

***** 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: 31-AUG-2021
Account: JPVNVMAK

QC CERTIFICATE OF ANALYSIS SD21210070

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
BLANKS															
BLANK															
Target Range - Lower Bound															
Upper Bound															
BLANK	<0.1	<1	0.1	<0.1	<2	<0.5	<0.05	<0.03	<0.03	<0.05	<0.01	<0.01	<0.1	<0.03	<0.03
Target Range - Lower Bound	<0.1	<1	<0.1	<0.1	<2	<0.5	<0.05	<0.03	<0.03	<0.05	<0.01	<0.01	<0.1	<0.03	<0.03
Upper Bound	0.2	2	0.2	0.2	4	1.0	0.10	0.06	0.06	0.10	0.02	0.02	0.2	0.06	0.06
BLANK															
Target Range - Lower Bound															
Upper Bound															
DUPLICATES															
ORIGINAL	2.4	76	0.8	16.4	79	128.0	3.20	1.70	1.25	4.34	0.62	0.24	36.9	9.83	6.17
DUP	2.3	77	0.8	16.1	81	128.5	3.08	1.70	1.20	4.14	0.59	0.23	36.4	9.58	5.88
Target Range - Lower Bound	2.1	72	0.6	15.3	74	121.5	2.85	1.54	1.10	3.87	0.55	0.21	33.8	8.95	5.54
Upper Bound	2.6	81	1.0	17.2	86	135.0	3.43	1.86	1.35	4.61	0.66	0.26	39.5	10.45	6.51
ORIGINAL															
DUP															
Target Range - Lower Bound															
Upper Bound															
ORIGINAL															
DUP															
Target Range - Lower Bound															
Upper Bound															
ORIGINAL															
DUP															
Target Range - Lower Bound															
Upper Bound															
ORIGINAL															
DUP															
Target Range - Lower Bound															
Upper Bound															

***** 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: 31-AUG-2021
Account: JPVNVMAK

QC CERTIFICATE OF ANALYSIS SD21210070

Sample Description	Method / Analyte / Units / LOD	ME-MS61r Tb ppm 0.01	ME-MS61r Tm ppm 0.01	ME-MS61r Yb ppm 0.03	Cu-OG62 Cu % 0.001
BLANKS					
BLANK					<0.001
Target Range - Lower Bound					<0.001
Upper Bound					0.002
BLANK		<0.01	<0.01	<0.03	
Target Range - Lower Bound		<0.01	<0.01	<0.03	
Upper Bound		0.02	0.02	0.06	
BLANK					
Target Range - Lower Bound					
Upper Bound					
DUPLICATES					
ORIGINAL		0.58	0.25	1.58	
DUP		0.57	0.24	1.53	
Target Range - Lower Bound		0.52	0.22	1.41	
Upper Bound		0.63	0.27	1.70	
ORIGINAL					0.567
DUP					0.841
Target Range - Lower Bound					0.685
Upper Bound					0.723
ORIGINAL					
DUP					
Target Range - Lower Bound					
Upper Bound					
ORIGINAL					
DUP					
Target Range - Lower Bound					
Upper Bound					
ORIGINAL					
DUP					
Target Range - Lower Bound					
Upper Bound					

***** 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: 31-AUG-2021
Account: JPVNVMAK

QC CERTIFICATE OF ANALYSIS SD21210070

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:

Cu-OG62	ME-MS61r	ME-OG62	PGM-ICP23