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: **ALASDAIR MOWAT**
SUITE 1-35 PATERSON
KENORA ON P9N 3S1

Finalized Date: 21-OCT-2017
This copy reported on
23-OCT-2017
Account: AMOOMFAA

QC CERTIFICATE TB17215996

Project: TREELINED

This report is for 1 Rock sample submitted to our lab in Thunder Bay, ON, Canada on 5-OCT-2017.

The following have access to data associated with this certificate:

ALASDAIR MOWAT		

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: **ALASDAIR MOWAT**
ATTN: ALASDAIR MOWAT
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KENORA ON P9N 3S1

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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QC CERTIFICATE OF ANALYSIS TB17215996

Sample Description	Method	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	C-IR07
	Analyte	SiO2	Al2O3	Fe2O3	CaO	MgO	Na2O	K2O	Cr2O3	TiO2	MnO	P2O5	SrO	BaO	LOI	C
	Units	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
	LOR	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	0.01
STANDARDS																
AMIS0085		69.9	10.95	3.41	3.22	1.72	1.71	4.76	0.08	0.21	0.06	0.07	0.01	0.04		
Target Range - Lower Bound		69.0	10.60	3.33	3.12	1.64	1.62	4.48	0.05	0.18	0.04	0.05	<0.01	0.02		
Upper Bound		72.1	11.35	3.67	3.44	1.86	1.84	4.90	0.10	0.24	0.09	0.10	0.03	0.06		
AMIS0286															7.48	
Target Range - Lower Bound															7.25	
Upper Bound															8.03	
AMIS0304		12.10	1.55	21.4	28.9	2.84	0.09	0.27	0.01	1.75	0.46	17.90	0.42	0.29		
Target Range - Lower Bound		11.90	1.42	20.3	27.7	2.72	0.06	0.25	<0.01	1.69	0.41	17.80	0.36	0.25		
Upper Bound		12.75	1.62	21.6	29.3	3.02	0.12	0.31	0.03	1.91	0.51	18.90	0.44	0.31		
AMIS0343																
Target Range - Lower Bound																
Upper Bound																
GS310-10																1.10
Target Range - Lower Bound																1.03
Upper Bound																1.13
MA-1b																2.49
Target Range - Lower Bound																2.34
Upper Bound																2.54
MRGeo08																
Target Range - Lower Bound																
Upper Bound																
OGGeo08																
Target Range - Lower Bound																
Upper Bound																
OREAS 501b																
Target Range - Lower Bound																
Upper Bound																
OREAS-105		71.4	14.25	2.83	1.47	0.81	5.14	2.41	0.01	0.42	0.02	0.35	0.01	0.08		
Target Range - Lower Bound																
Upper Bound																
SARM-43															47.8	
Target Range - Lower Bound															45.7	
Upper Bound															50.5	
SRM88B		1.18	0.34	0.28	30.7	21.2	0.03	0.10	<0.01	0.01	0.02	<0.01	0.01	<0.01		
Target Range - Lower Bound		1.05	0.30	0.24	29.1	20.4	<0.01	0.08	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		
Upper Bound		1.21	0.37	0.31	30.8	21.7	0.05	0.13	0.03	0.04	0.04	0.03	0.03	0.03		

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KENORA ON P9N 3S1

Finalized Date: 21-OCT-2017
Account: AMOOMFAA

Project: TREELINED

QC CERTIFICATE OF ANALYSIS TB17215996

Sample Description	Method	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	ME-MS81	ME-MS81
	Analyte	S	Ba	Ce	Cr	Cs	Dy	Er	Eu	Ga	Gd	Ge	Hf	Ho	La	Lu
	Units	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.01	0.5	0.5	10	0.01	0.05	0.03	0.03	0.1	0.05	5	0.2	0.01	0.5	0.01
STANDARDS																
AMIS0085			361	70.3	560	4.27	11.75	8.69	0.90	15.2	6.81	<5	4.7	2.47	36.1	1.38
Target Range - Lower Bound																
Upper Bound																
AMIS0286																
Target Range - Lower Bound																
Upper Bound																
AMIS0304			2840	8790	100	0.43	140.5	37.0	145.0	50.7	360	7	29.6	17.90	3660	2.00
Target Range - Lower Bound			2340	7280	70	0.35	119.0	30.6	135.0	47.8	309	<5	25.0	16.20	3250	1.83
Upper Bound			2860	8900	120	0.45	145.5	37.4	165.0	58.7	377	18	31.0	19.80	3970	2.26
AMIS0343																
Target Range - Lower Bound																
Upper Bound																
GS310-10		0.26														
Target Range - Lower Bound		0.25														
Upper Bound		0.29														
MA-1b		1.15														
Target Range - Lower Bound		1.12														
Upper Bound		1.22														
MRGeo08																
Target Range - Lower Bound																
Upper Bound																
OGGeo08																
Target Range - Lower Bound																
Upper Bound																
OREAS 501b																
Target Range - Lower Bound																
Upper Bound																
OREAS-105			708	111.5	50	1.97	12.60	7.55	1.37	28.6	12.85	<5	6.9	2.44	47.1	0.98
Target Range - Lower Bound			632	105.0	40	1.96	10.95	6.72	1.32	24.3	11.65		5.6	2.19	45.4	0.88
Upper Bound			774	129.0	80	2.42	13.45	8.28	1.68	29.9	14.35		7.2	2.69	56.6	1.10
SARM-43																
Target Range - Lower Bound																
Upper Bound																
SRM88B			6.0	3.4	10	0.15	0.66	0.40	0.13	0.3	0.61	<5	<0.2	0.13	4.6	0.05
Target Range - Lower Bound																
Upper Bound																

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Finalized Date: 21-OCT-2017
Account: AMOOMFAA

Project: TREELINED

QC CERTIFICATE OF ANALYSIS TB17215996

Sample Description	Method / Analyte / Units / LOR	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	ME-MS81 W ppm 1	ME-MS81 Y ppm 0.5
STANDARDS																
AMIS0085		10.9	26.9	7.85	222	7.09	3	101.5	1.5	1.54	51.9	1.38	254	23	2	69.2
Target Range - Lower Bound																
Upper Bound																
AMIS0286																
Target Range - Lower Bound																
Upper Bound																
AMIS0304		>2500	4320	>1000	10.6	649	28	3610	13.3	34.7	454	3.49	23.7	375	6	409
Target Range - Lower Bound		4670	3610	925	9.3	543	22	3060	11.1	30.8	406	3.14	21.6	331	3	369
Upper Bound		>2500	4410	>1000	11.8	664	29	3740	13.8	37.7	496	3.86	26.5	415	7	452
AMIS0343																
Target Range - Lower Bound																
Upper Bound																
GS310-10																
Target Range - Lower Bound																
Upper Bound																
MA-1b																
Target Range - Lower Bound																
Upper Bound																
MRGeo08																
Target Range - Lower Bound																
Upper Bound																
OGGeo08																
Target Range - Lower Bound																
Upper Bound																
OREAS 501b																
Target Range - Lower Bound																
Upper Bound																
OREAS-105		40.9	64.1	14.75	105.0	15.50	9	90.3	4.5	1.99	363	1.11	551	28	3	63.4
Target Range - Lower Bound		36.9	57.8	14.35	94.8	13.30	8	85.3	4.3	1.95	332	1.02	479	19	<1	57.9
Upper Bound		45.6	70.8	17.65	116.5	16.30	13	104.5	5.5	2.41	406	1.26	585	43	5	71.9
SARM-43																
Target Range - Lower Bound																
Upper Bound																
SRM88B		0.3	3.3	0.77	3.0	0.51	<1	64.2	<0.1	0.09	0.29	0.04	0.13	<5	<1	7.8
Target Range - Lower Bound																
Upper Bound																

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KENORA ON P9N 3S1

Finalized Date: 21-OCT-2017
Account: AMOOMFAA

Project: TREELINED

QC CERTIFICATE OF ANALYSIS TB17215996

Sample Description	Method / Analyte / Units / LOR	ME-MS81 Yb ppm 0.03	ME-MS81 Zr ppm 2	ME-MS42 As ppm 0.1	ME-MS42 Bi ppm 0.01	ME-MS42 Hg ppm 0.005	ME-MS42 In ppm 0.005	ME-MS42 Re ppm 0.001	ME-MS42 Sb ppm 0.05	ME-MS42 Se ppm 0.2	ME-MS42 Te ppm 0.01	ME-MS42 Tl ppm 0.02	ME-4ACD81 Ag ppm 0.5	ME-4ACD81 Cd ppm 0.5	ME-4ACD81 Co ppm 1	ME-4ACD81 Cu ppm 1
STANDARDS																
AMIS0085		9.26	156													
Target Range - Lower Bound																
Upper Bound																
AMIS0286																
Target Range - Lower Bound																
Upper Bound																
AMIS0304		18.00	1180													
Target Range - Lower Bound		15.25	1005													
Upper Bound		18.75	1230													
AMIS0343													<0.5	<0.5	2	48
Target Range - Lower Bound													<0.5	<0.5	<1	47
Upper Bound													1.1	1.0	5	56
GS310-10																
Target Range - Lower Bound																
Upper Bound																
MA-1b																
Target Range - Lower Bound																
Upper Bound																
MRGeo08				31.7	0.61	0.057	0.145	0.006	2.98	1.0	0.01	0.81				
Target Range - Lower Bound				29.6	0.60	0.053	0.137	0.006	2.80	0.6	<0.01	0.64				
Upper Bound				36.4	0.76	0.087	0.179	0.010	3.90	1.5	0.04	0.92				
OGGeo08													20.1	19.6	96	8720
Target Range - Lower Bound													17.7	16.2	86	7800
Upper Bound													22.7	21.0	108	8980
OREAS 501b				17.0	1.47	0.015	0.181	0.003	0.44	2.7	0.09	0.68				
Target Range - Lower Bound				16.9	2.34	<0.005			0.70	5.7	0.15	0.67				
Upper Bound				20.9	2.88	0.010			1.08	7.5	0.21	0.95				
OREAS-105		7.40	229													
Target Range - Lower Bound		6.54	208													
Upper Bound		8.06	259													
SARM-43																
Target Range - Lower Bound																
Upper Bound																
SRM88B		0.33	5													
Target Range - Lower Bound																
Upper Bound																

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KENORA ON P9N 3S1

Finalized Date: 21-OCT-2017
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QC CERTIFICATE OF ANALYSIS TB17215996

Sample Description	Method / Analyte / Units / LOR	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
STANDARDS							
AMIS0085							
Target Range - Lower Bound							
Upper Bound							
AMIS0286							
Target Range - Lower Bound							
Upper Bound							
AMIS0304							
Target Range - Lower Bound							
Upper Bound							
AMIS0343		7020	3	11	8	<1	78
Target Range - Lower Bound		6300	<1	11	<2	<1	70
Upper Bound		7730	6	17	10	2	90
GS310-10							
Target Range - Lower Bound							
Upper Bound							
MA-1b							
Target Range - Lower Bound							
Upper Bound							
MRGeo08							
Target Range - Lower Bound							
Upper Bound							
OGGeo08		30	920	8990	7540	10	7340
Target Range - Lower Bound		<10	841	8000	6510	8	6500
Upper Bound		50	1030	9770	7970	13	7950
OREAS 501b							
Target Range - Lower Bound							
Upper Bound							
OREAS-105							
Target Range - Lower Bound							
Upper Bound							
SARM-43							
Target Range - Lower Bound							
Upper Bound							
SRM88B							
Target Range - Lower Bound							
Upper Bound							

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QC CERTIFICATE OF ANALYSIS TB17215996

Sample Description / Method / Analyte / Units / LOR	ME-ICP06 SiO2 % 0.01	ME-ICP06 Al2O3 % 0.01	ME-ICP06 Fe2O3 % 0.01	ME-ICP06 CaO % 0.01	ME-ICP06 MgO % 0.01	ME-ICP06 Na2O % 0.01	ME-ICP06 K2O % 0.01	ME-ICP06 Cr2O3 % 0.01	ME-ICP06 TiO2 % 0.01	ME-ICP06 MnO % 0.01	ME-ICP06 P2O5 % 0.01	ME-ICP06 SrO % 0.01	ME-ICP06 BaO % 0.01	OA-GRA05 LOI % 0.01	C-IR07 C % 0.01
BLANKS															
BLANK															
Target Range - Lower Bound															
Upper Bound															
BLANK															
Target Range - Lower Bound															
Upper Bound															
BLANK	<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		
Target Range - Lower Bound	<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		
Upper Bound	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02		
BLANK														-0.01	
Target Range - Lower Bound														<0.01	
Upper Bound														0.02	
BLANK															<0.01
Target Range - Lower Bound															<0.01
Upper Bound															0.02
DUPLICATES															
ORIGINAL															
DUP															
Target Range - Lower Bound															
Upper Bound															
ORIGINAL														3.42	
DUP														3.32	
Target Range - Lower Bound														3.28	
Upper Bound														3.46	
ORIGINAL	55.4	14.95	8.88	6.90	4.00	1.12	3.92	0.02	0.93	0.21	0.19	0.03	0.12		
DUP	55.9	15.20	9.05	6.96	4.05	1.14	3.98	0.02	0.94	0.22	0.19	0.03	0.12		
Target Range - Lower Bound	54.2	14.70	8.73	6.75	3.91	1.09	3.84	<0.01	0.90	0.20	0.18	0.02	0.11		
Upper Bound	57.1	15.45	9.20	7.11	4.14	1.17	4.06	0.03	0.97	0.23	0.20	0.04	0.13		
ORIGINAL															0.13
DUP															0.13
Target Range - Lower Bound															0.12
Upper Bound															0.14

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QC CERTIFICATE OF ANALYSIS TB17215996

Sample Description	Method	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	ME-MS81	ME-MS81
	Analyte	S	Ba	Ce	Cr	Cs	Dy	Er	Eu	Ga	Gd	Ge	Hf	Ho	La	Lu
	Units	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.01	0.5	0.5	10	0.01	0.05	0.03	0.03	0.1	0.05	5	0.2	0.01	0.5	0.01
BLANKS																
BLANK																
Target Range - Lower Bound																
Upper Bound																
BLANK																
Target Range - Lower Bound																
Upper Bound																
BLANK			<0.5	<0.5	<10	<0.01	<0.05	<0.03	<0.03	<0.1	<0.05	<5	<0.2	<0.01	<0.5	<0.01
Target Range - Lower Bound			<0.5	<0.5	<10	<0.01	<0.05	<0.03	<0.03	<0.1	<0.05		<0.2	<0.01	<0.5	<0.01
Upper Bound			1.0	1.0	20	0.02	0.10	0.06	0.06	0.2	0.10		0.4	0.02	1.0	0.02
BLANK																
Target Range - Lower Bound																
Upper Bound																
BLANK		<0.01														
Target Range - Lower Bound		<0.01														
Upper Bound		0.02														
DUPLICATES																
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																
ORIGINAL			1080	49.3	160	8.03	3.03	1.44	1.31	19.1	4.31	<5	2.8	0.54	21.3	0.21
DUP			1120	52.8	160	8.28	3.12	1.61	1.36	20.3	4.16	<5	2.5	0.61	22.9	0.19
Target Range - Lower Bound			1045	48.0	140	7.74	2.87	1.42	1.24	18.6	3.97	<5	2.3	0.54	20.5	0.18
Upper Bound			1155	54.1	180	8.57	3.28	1.63	1.43	20.8	4.50	10	3.0	0.61	23.7	0.22
ORIGINAL		3.70														
DUP		3.68														
Target Range - Lower Bound		3.59														
Upper Bound		3.79														

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Project: TREELINED

QC CERTIFICATE OF ANALYSIS TB17215996

Sample Description	Method / Analyte / Units / LOR	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	ME-MS81 W ppm 1	ME-MS81 Y ppm 0.5
BLANKS																
BLANK																
Target Range - Lower Bound																
Upper Bound																
BLANK																
Target Range - Lower Bound																
Upper Bound																
BLANK		<0.2	<0.1	<0.03	<0.2	<0.03	<1	0.1	<0.1	<0.01	<0.05	<0.01	<0.05	<5	<1	<0.5
Target Range - Lower Bound		<0.2	<0.1	<0.03	<0.2	<0.03	<1	<0.1	<0.1	<0.01	<0.05	<0.01	<0.05	<5	<1	<0.5
Upper Bound		0.4	0.2	0.06	0.4	0.06	2	0.2	0.2	0.02	0.10	0.02	0.10	10	2	1.0
BLANK																
Target Range - Lower Bound																
Upper Bound																
BLANK																
Target Range - Lower Bound																
Upper Bound																
DUPLICATES																
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																
ORIGINAL		11.2	26.2	6.56	79.4	5.05	1	198.0	0.6	0.58	1.91	0.18	0.52	199	12	14.2
DUP		11.7	29.4	6.90	80.1	5.82	1	204	0.6	0.51	1.96	0.20	0.53	196	10	14.7
Target Range - Lower Bound		10.7	26.3	6.36	75.6	5.13	<1	191.0	0.5	0.51	1.79	0.17	0.45	183	9	13.2
Upper Bound		12.2	29.3	7.10	83.9	5.74	2	211	0.7	0.58	2.08	0.21	0.60	212	13	15.7
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: **ALASDAIR MOWAT**
SUITE 1-35 PATERSON
KENORA ON P9N 3S1

Finalized Date: 21-OCT-2017
Account: AMOOMFAA

Project: TREELINED

QC CERTIFICATE OF ANALYSIS TB17215996

Sample Description	Method / Analyte / Units / LOR	ME-MS81 Yb ppm 0.03	ME-MS81 Zr ppm 2	ME-MS42 As ppm 0.1	ME-MS42 Bi ppm 0.01	ME-MS42 Hg ppm 0.005	ME-MS42 In ppm 0.005	ME-MS42 Re ppm 0.001	ME-MS42 Sb ppm 0.05	ME-MS42 Se ppm 0.2	ME-MS42 Te ppm 0.01	ME-MS42 Tl ppm 0.02	ME-4ACD81 Ag ppm 0.5	ME-4ACD81 Cd ppm 0.5	ME-4ACD81 Co ppm 1	ME-4ACD81 Cu ppm 1
BLANKS																
BLANK													<0.5	<0.5	<1	<1
Target Range - Lower Bound													<0.5	<0.5	<1	<1
Upper Bound													1.0	1.0	2	2
BLANK				<0.1	<0.01	<0.005	<0.005	<0.001	<0.05	<0.2	<0.01	<0.02				
Target Range - Lower Bound				<0.1	<0.01	<0.005	<0.005	<0.001	<0.05	<0.2	<0.01	<0.02				
Upper Bound				0.2	0.02	0.010	0.010	0.002	0.10	0.4	0.02	0.04				
BLANK		<0.03	<2													
Target Range - Lower Bound		<0.03	<2													
Upper Bound		0.06	4													
BLANK																
Target Range - Lower Bound																
Upper Bound																
BLANK																
Target Range - Lower Bound																
Upper Bound																
DUPLICATES																
ORIGINAL				0.6	0.03	0.021	0.023	<0.001	0.07	<0.2	0.01	0.09				
DUP				0.7	0.03	0.009	0.022	<0.001	0.05	<0.2	0.03	0.09				
Target Range - Lower Bound				0.5	0.02	0.009	0.016	<0.001	<0.05	<0.2	<0.01	0.06				
Upper Bound				0.8	0.04	0.021	0.029	0.002	0.10	0.4	0.03	0.12				
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																
ORIGINAL		1.40	104													
DUP		1.31	106													
Target Range - Lower Bound		1.26	98													
Upper Bound		1.45	112													
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																

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Finalized Date: 21-OCT-2017
Account: AMOOMFAA

Project: TREELINED

QC CERTIFICATE OF ANALYSIS TB17215996

Sample Description	Method / Analyte / Units / LOR	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
BLANKS							
BLANK		<10	<1	<1	<2	<1	<2
Target Range - Lower Bound			<1	<1	<2		<2
Upper Bound			2	2	4		4
BLANK							
Target Range - Lower Bound							
Upper Bound							
BLANK							
Target Range - Lower Bound							
Upper Bound							
BLANK							
Target Range - Lower Bound							
Upper Bound							
BLANK							
Target Range - Lower Bound							
Upper Bound							
DUPLICATES							
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							

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Finalized Date: 21-OCT-2017
Account: AMOOMFAA

Project: TREELINED

QC CERTIFICATE OF ANALYSIS TB17215996

Sample Description	Method / Analyte / Units / LOR	ME-ICP06 SiO2 % 0.01	ME-ICP06 Al2O3 % 0.01	ME-ICP06 Fe2O3 % 0.01	ME-ICP06 CaO % 0.01	ME-ICP06 MgO % 0.01	ME-ICP06 Na2O % 0.01	ME-ICP06 K2O % 0.01	ME-ICP06 Cr2O3 % 0.01	ME-ICP06 TiO2 % 0.01	ME-ICP06 MnO % 0.01	ME-ICP06 P2O5 % 0.01	ME-ICP06 SrO % 0.01	ME-ICP06 BaO % 0.01	OA-GRA05 LOI % 0.01	C-IR07 C % 0.01
		DUPLICATES														
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																

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QC CERTIFICATE OF ANALYSIS TB17215996

Sample Description	Method / Analyte / Units / LOR	S-IR08 S % 0.01	ME-MS81 Ba ppm 0.5	ME-MS81 Ce ppm 0.5	ME-MS81 Cr ppm 10	ME-MS81 Cs ppm 0.01	ME-MS81 Dy ppm 0.05	ME-MS81 Er ppm 0.03	ME-MS81 Eu ppm 0.03	ME-MS81 Ga ppm 0.1	ME-MS81 Gd ppm 0.05	ME-MS81 Ge ppm 5	ME-MS81 Hf ppm 0.2	ME-MS81 Ho ppm 0.01	ME-MS81 La ppm 0.5	ME-MS81 Lu ppm 0.01
DUPLICATES																
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																

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Sample Description	Method / Analyte / Units / LOR	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	ME-MS81 W ppm 1	ME-MS81 Y ppm 0.5
DUPLICATES																
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																

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Sample Description	Method / Analyte / Units / LOR	ME-MS81 Yb ppm 0.03	ME-MS81 Zr ppm 2	ME-MS42 As ppm 0.1	ME-MS42 Bi ppm 0.01	ME-MS42 Hg ppm 0.005	ME-MS42 In ppm 0.005	ME-MS42 Re ppm 0.001	ME-MS42 Sb ppm 0.05	ME-MS42 Se ppm 0.2	ME-MS42 Te ppm 0.01	ME-MS42 Tl ppm 0.02	ME-4ACD81 Ag ppm 0.5	ME-4ACD81 Cd ppm 0.5	ME-4ACD81 Co ppm 1	ME-4ACD81 Cu ppm 1
DUPLICATES																
ORIGINAL													<0.5	<0.5	4	42
DUP													<0.5	<0.5	4	41
Target Range - Lower Bound													<0.5	<0.5	3	39
Upper Bound													1.0	1.0	5	44

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QC CERTIFICATE OF ANALYSIS TB17215996

Sample Description	Method / Analyte / Units / LOR	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
DUPLICATES							
ORIGINAL		20	<1	11	2	5	38
DUP		20	<1	10	<2	5	37
Target Range - Lower Bound		<10	<1	9	<2	4	34
Upper Bound		30	2	12	4	6	41

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QC CERTIFICATE OF ANALYSIS TB17215996

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, 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