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: **BATTERY MINERAL RESOURCES LTD.**
THE PACIFIC BUILDING
SUITE 400, 744 WEST HASTINGS STREET
VANCOUVER BC V6C 1A5

Finalized Date: 3-MAY-2019
This copy reported on
10-MAY-2019
Account: BMRPLLBW

QC CERTIFICATE SD19092999

Project: Iron Mask

This report is for 43 Drill Core samples submitted to our lab in Sudbury, ON, Canada on 18-APR-2019.

The following have access to data associated with this certificate:

PETER DOYLE IAN PRINGLE	MIKE HENDRICKSON	FRANK PLOEGER

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
LOG-24	Pulp Login - Rcd w/o Barcode

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	
Ag-OG62	Ore Grade Ag - Four Acid	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
ME-MS61	48 element four acid ICP-MS	

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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Account: BMRPLLBW

Project: Iron Mask

QC CERTIFICATE OF ANALYSIS SD19092999

Sample Description	Method / Analyte / Units / LOD	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	ME-MS61 Cs ppm 0.05	ME-MS61 Cu ppm 0.2	ME-MS61 Fe % 0.01	ME-MS61 Ga ppm 0.05
STANDARDS																
EMOG-17																
Target Range - Lower Bound																
Upper Bound																
EMOG-17		69.1	4.83	603	610	1.94	5.67	1.97	21.0	48.6	768	56	6.98	8230	4.92	12.05
EMOG-17		69.8	4.79	616	240	1.98	5.40	2.03	22.0	48.7	766	58	7.19	8170	4.98	12.35
Target Range - Lower Bound		60.9	4.18	515	310	1.60	5.31	1.72	18.15	42.9	686	49	6.56	7750	4.42	10.75
Upper Bound		74.5	5.13	629	440	2.06	6.51	2.12	22.2	52.5	838	62	8.12	8910	5.42	13.25
OREAS 920		0.08	8.12	4.9	570	2.62	0.59	0.52	0.05	92.5	15.5	86	7.90	109.5	4.11	19.30
OREAS 920		0.12	7.84	5.1	560	2.71	0.59	0.52	0.06	94.4	15.0	83	8.42	113.0	4.10	21.1
Target Range - Lower Bound		0.08	6.91	4.4	450	2.54	0.61	0.44	0.04	84.6	13.9	70	7.72	104.0	3.72	18.65
Upper Bound		0.13	8.47	5.8	640	3.22	0.77	0.56	0.12	103.5	17.3	88	9.54	120.0	4.56	22.9
OREAS-133a																
Target Range - Lower Bound																
Upper Bound																
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	0.2	<0.01	<0.05
BLANK		<0.01	<0.01	<0.2	<10	<0.05	0.01	<0.01	<0.02	<0.01	<0.1	<1	<0.05	0.2	<0.01	0.06
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	<0.2	<0.01	<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	0.4	0.02	0.10
DUPLICATES																
17701																
DUP																
Target Range - Lower Bound																
Upper Bound																

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Finalized Date: 3-MAY-2019
Account: BMRPLLBW

Project: Iron Mask

QC CERTIFICATE OF ANALYSIS SD19092999

Sample Description	Method / Analyte / Units / LOD	ME-MS61 Ge ppm 0.05	ME-MS61 Hf ppm 0.1	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	ME-MS61 Nb ppm 0.1	ME-MS61 Ni ppm 0.2	ME-MS61 P ppm 10	ME-MS61 Pb ppm 0.5	ME-MS61 Rb ppm 0.1
STANDARDS																
EMOG-17																
Target Range - Lower Bound																
Upper Bound																
EMOG-17		0.15	1.8	0.986	1.69	24.4	28.3	0.98	738	1090	1.10	15.3	7610	830	7380	116.0
EMOG-17		0.11	1.8	0.982	1.70	25.2	27.1	0.98	754	1105	1.11	14.4	7740	840	7440	117.5
Target Range - Lower Bound		0.07	1.6	0.823	1.49	20.7	23.9	0.86	670	997	0.99	12.7	6820	700	6570	98.9
Upper Bound		0.29	2.2	1.015	1.85	26.4	29.7	1.08	830	1220	1.23	15.7	8330	880	8030	121.0
OREAS 920		0.14	4.3	0.084	2.91	45.5	29.3	1.36	592	0.40	0.64	16.4	40.5	770	21.6	174.5
OREAS 920		0.18	4.5	0.090	2.90	45.5	29.8	1.35	594	0.35	0.64	19.1	41.2	760	25.6	181.5
Target Range - Lower Bound		0.06	4.0	0.070	2.59	41.0	26.0	1.23	535	0.34	0.56	15.6	37.4		20.7	158.5
Upper Bound		0.28	5.2	0.098	3.19	51.2	32.2	1.53	665	0.58	0.71	19.2	46.2		26.4	193.5
OREAS-133a																
Target Range - Lower Bound																
Upper Bound																
BLANKS																
BLANK																
Target Range - Lower Bound																
Upper Bound																
BLANK		0.08	<0.1	<0.005	<0.01	<0.5	<0.2	<0.01	<5	<0.05	<0.01	<0.1	0.2	<10	<0.5	<0.1
BLANK		0.05	<0.1	<0.005	<0.01	<0.5	0.2	<0.01	<5	<0.05	<0.01	<0.1	0.2	<10	<0.5	<0.1
Target Range - Lower Bound		<0.05	<0.1	<0.005	<0.01	<0.5	<0.2	<0.01	<5	<0.05	<0.01	<0.1	<0.2	<10	<0.5	<0.1
Upper Bound		0.10	0.2	0.010	0.02	1.0	0.4	0.02	10	0.10	0.02	0.2	0.4	20	1.0	0.2
DUPLICATES																
17701																
DUP																
Target Range - Lower Bound																
Upper Bound																

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Finalized Date: 3-MAY-2019
Account: BMRPLLBW

Project: Iron Mask

QC CERTIFICATE OF ANALYSIS SD19092999

Sample Description	Method / Analyte / Units / LOD	ME-MS61 Re ppm 0.002	ME-MS61 S % 0.01	ME-MS61 Sb ppm 0.05	ME-MS61 Sc ppm 0.1	ME-MS61 Se ppm 1	ME-MS61 Sn ppm 0.2	ME-MS61 Sr ppm 0.2	ME-MS61 Ta ppm 0.05	ME-MS61 Te ppm 0.05	ME-MS61 Th ppm 0.01	ME-MS61 Ti % 0.005	ME-MS61 Tl ppm 0.02	ME-MS61 U ppm 0.1	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1
STANDARDS																
EMOG-17																
Target Range - Lower Bound																
Upper Bound																
EMOG-17		0.325	3.33	812	8.2	7	2.7	216	0.89	1.30	10.60	0.329	2.29	2.9	76	3.7
EMOG-17		0.343	3.36	828	7.9	8	2.6	212	0.85	1.40	10.65	0.338	2.34	2.9	76	4.0
Target Range - Lower Bound		0.286	2.91	643	7.2	4	2.2	184.5	0.78	1.10	10.35	0.294	1.89	2.8	67	3.3
Upper Bound		0.354	3.57	869	9.0	9	3.2	226	1.08	1.46	12.65	0.370	2.61	3.7	84	4.7
OREAS 920		<0.002	0.03	1.35	14.0	<1	4.9	85.3	1.20	<0.05	20.7	0.480	0.90	3.3	100	2.9
OREAS 920		<0.002	0.03	1.44	13.8	1	4.8	82.6	1.22	<0.05	19.80	0.484	0.89	3.4	98	3.2
Target Range - Lower Bound		<0.002	<0.01	1.22	12.8	<1	4.3	73.6	1.08	<0.05	17.35	0.434	0.76	3.3	86	2.5
Upper Bound		0.004	0.05	1.76	15.8	2	5.7	90.4	1.43	0.10	21.2	0.542	1.08	4.2	108	3.7
OREAS-133a																
Target Range - Lower Bound																
Upper Bound																
BLANKS																
BLANK																
Target Range - Lower Bound																
Upper Bound																
BLANK		<0.002	<0.01	<0.05	<0.1	<1	<0.2	<0.2	<0.05	<0.05	<0.01	<0.005	<0.02	<0.1	<1	<0.1
BLANK		<0.002	<0.01	<0.05	<0.1	<1	<0.2	<0.2	<0.05	<0.05	<0.01	<0.005	<0.02	<0.1	<1	<0.1
Target Range - Lower Bound		<0.002	<0.01	<0.05	<0.1	<1	<0.2	<0.2	<0.05	<0.05	<0.01	<0.005	<0.02	<0.1	<1	<0.1
Upper Bound		0.004	0.02	0.10	0.2	2	0.4	0.4	0.10	0.10	0.02	0.010	0.04	0.2	2	0.2
DUPLICATES																
17701																
DUP																
Target Range - Lower Bound																
Upper Bound																

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Finalized Date: 3-MAY-2019
Account: BMRPLLBW

Project: Iron Mask

QC CERTIFICATE OF ANALYSIS SD19092999

Sample Description	Method / Analyte / Units / LOD	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5	Ag-OG62 Ag ppm 1
STANDARDS					
EMOG-17					69
Target Range - Lower Bound					64
Upper Bound					71
EMOG-17		16.7	7520	67.1	
EMOG-17		16.8	7620	68.3	
Target Range - Lower Bound		14.3	6800	55.6	
Upper Bound		17.7	8320	76.4	
OREAS 920		32.2	120	161.0	
OREAS 920		34.7	116	167.5	
Target Range - Lower Bound		29.8	102	128.0	
Upper Bound		36.6	130	174.0	
OREAS-133a					105
Target Range - Lower Bound					96
Upper Bound					105
BLANKS					
BLANK					<1
Target Range - Lower Bound					<1
Upper Bound					2
BLANK		<0.1	<2	<0.5	
BLANK		<0.1	<2	<0.5	
Target Range - Lower Bound		<0.1	<2	<0.5	
Upper Bound		0.2	4	1.0	
DUPLICATES					
17701					118
DUP					115
Target Range - Lower Bound					113
Upper Bound					120

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Sample Description	Method / Analyte / Units / LOD	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	ME-MS61 Cs ppm 0.05	ME-MS61 Cu ppm 0.2	ME-MS61 Fe % 0.01	ME-MS61 Ga ppm 0.05
DUPLICATES																
13121		3.94	5.47	13.8	120	0.54	0.77	3.57	2.17	16.50	957	270	0.74	>10000	18.00	11.85
DUP		3.64	5.36	12.8	120	0.56	0.80	3.49	2.14	16.35	944	271	0.73	>10000	17.70	11.30
Target Range - Lower Bound		3.59	5.13	12.4	100	0.47	0.74	3.34	2.03	15.60	903	256	0.65	9650	16.95	10.95
Upper Bound		3.99	5.70	14.2	140	0.63	0.83	3.72	2.28	17.25	998	285	0.82	>10000	18.75	12.20
12998		0.06	7.37	2.4	1150	1.93	0.29	2.30	0.03	87.3	17.0	97	8.84	29.7	3.07	17.95
DUP		0.05	7.25	2.7	1130	1.88	0.31	2.26	0.03	89.9	16.6	95	8.67	29.7	3.01	17.50
Target Range - Lower Bound		0.04	6.93	2.2	1040	1.76	0.28	2.16	<0.02	84.2	15.9	90	8.27	28.5	2.88	16.80
Upper Bound		0.07	7.69	2.9	1240	2.05	0.33	2.40	0.04	93.0	17.7	102	9.24	30.9	3.20	18.65

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Sample Description	Method / Analyte / Units / LOD	ME-MS61 Ge ppm 0.05	ME-MS61 Hf ppm 0.1	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	ME-MS61 Nb ppm 0.1	ME-MS61 Ni ppm 0.2	ME-MS61 P ppm 10	ME-MS61 Pb ppm 0.5	ME-MS61 Rb ppm 0.1
DUPLICATES																
13121		0.27	1.3	0.127	0.32	6.4	9.9	4.01	989	4.34	1.19	4.9	>10000	470	12.4	10.3
DUP		0.29	1.2	0.118	0.32	6.3	9.3	3.95	971	4.28	1.17	4.7	>10000	460	12.2	10.1
Target Range - Lower Bound		0.22	1.1	0.111	0.29	5.5	8.9	3.77	926	4.04	1.11	4.5	9500	430	11.2	9.6
Upper Bound		0.34	1.4	0.134	0.35	7.2	10.3	4.19	1035	4.58	1.25	5.1	>10000	500	13.4	10.8
12998		0.16	5.3	0.048	3.08	43.1	70.8	1.81	474	21.7	1.19	11.4	40.4	520	11.0	147.0
DUP		0.13	5.5	0.050	3.03	43.8	64.8	1.78	470	20.5	1.16	11.8	39.4	520	11.3	149.0
Target Range - Lower Bound		0.09	5.0	0.042	2.89	40.8	64.2	1.70	443	20.00	1.11	10.9	37.7	480	10.1	140.5
Upper Bound		0.20	5.8	0.056	3.22	46.1	71.4	1.89	501	22.2	1.24	12.3	42.1	560	12.2	155.5

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Sample Description	Method / Analyte / Units / LOD	ME-MS61 Re ppm 0.002	ME-MS61 S % 0.01	ME-MS61 Sb ppm 0.05	ME-MS61 Sc ppm 0.1	ME-MS61 Se ppm 1	ME-MS61 Sn ppm 0.2	ME-MS61 Sr ppm 0.2	ME-MS61 Ta ppm 0.05	ME-MS61 Te ppm 0.05	ME-MS61 Th ppm 0.01	ME-MS61 Ti % 0.005	ME-MS61 Tl ppm 0.02	ME-MS61 U ppm 0.1	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1
DUPLICATES																
13121		0.055	8.41	4.18	8.8	23	2.3	186.0	0.27	4.47	0.95	0.540	0.16	0.3	80	2.2
DUP		0.050	8.24	2.94	8.1	23	2.4	182.0	0.28	4.42	1.08	0.527	0.17	0.4	78	2.4
Target Range - Lower Bound		0.048	7.90	3.24	7.9	21	2.0	174.5	0.21	4.17	0.95	0.502	0.13	0.2	74	2.0
Upper Bound		0.057	8.75	3.88	9.0	25	2.7	193.5	0.34	4.72	1.08	0.565	0.20	0.5	84	2.6
12998		0.003	0.27	1.57	11.1	1	2.8	196.0	0.86	<0.05	15.85	0.285	0.97	6.1	69	3.5
DUP		0.004	0.27	1.46	10.9	1	2.6	192.0	0.89	<0.05	17.10	0.282	0.98	6.2	67	3.0
Target Range - Lower Bound		<0.002	0.25	1.35	10.4	<1	2.4	184.0	0.78	<0.05	15.65	0.264	0.88	5.7	64	2.9
Upper Bound		0.004	0.29	1.68	11.7	2	3.0	204	0.97	0.10	17.30	0.303	1.07	6.6	72	3.6

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Project: Iron Mask

QC CERTIFICATE OF ANALYSIS SD19092999

Sample Description	Method Analyte Units LOD	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5	Ag-OG62 Ag ppm 1
		DUPLICATES			
13121		8.9	136	51.6	
DUP		8.6	137	50.7	
Target Range - Lower Bound		8.2	128	46.8	
Upper Bound		9.3	145	55.5	
12998		23.7	41	216	
DUP		23.2	41	220	
Target Range - Lower Bound		22.2	37	201	
Upper Bound		24.7	45	235	

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Project: Iron Mask

QC CERTIFICATE OF ANALYSIS SD19092999

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

REE's may not be totally soluble in this method.

Applies to Method: ME-MS61

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	LOG-24
PUL-31	PUL-QC	SPL-21	WEI-21

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

Applies to Method:

Ag-OG62	ME-MS61	ME-OG62