



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: **ARCUS DEVELOPMENT GROUP**  
**510 WEST HASTINGS ST.**  
**VANCOUVER BC V6B 1L8**

Page: 1  
Total # Pages: 2 (A - C)  
Plus Appendix Pages  
Finalized Date: 21-OCT-2017  
Account: DEVARC

**CERTIFICATE WH17190007**

Project: Dan Man

P.O. No.: 1006216-Batch 56

This report is for 17 Rock samples submitted to our lab in Whitehorse, YT, Canada on 5-SEP-2017.

The following have access to data associated with this certificate:

IAN TALBOT

WILLIAM WENGZYNOWSK

**SAMPLE PREPARATION**

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
LOG-23	Pulp Login - Rcvd with Barcode
BAG-01	Bulk Master for Storage
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-32	Pulverize 1000g to 85% < 75 um

**ANALYTICAL PROCEDURES**

ALS CODE	DESCRIPTION	INSTRUMENT
Au-ICP21	Au 30g FA ICP-AES Finish	ICP-AES
ME-ICP41a	High Grade Aqua Regia ICP-AES	ICP-AES

To: **ARCUS DEVELOPMENT GROUP**  
**ATTN: IAN TALBOT**  
**510 WEST HASTINGS ST.**  
**VANCOUVER BC V6B 1L8**

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



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: ARCUS DEVELOPMENT GROUP  
510 WEST HASTINGS ST.  
VANCOUVER BC V6B 1L8

Page: 2 - A  
Total # Pages: 2 (A - C)  
Plus Appendix Pages  
Finalized Date: 21-OCT-2017  
Account: DEVARC

Project: Dan Man

**CERTIFICATE OF ANALYSIS WH17190007**

Sample Description	Method Analyte Units LOR	WEI-21	Au-ICP21	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a
		Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga
		kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm
		0.02	0.001	1	0.05	10	50	5	10	0.05	5	5	5	5	0.05	50
K294381		2.28	0.005	<1	0.80	20	<50	<5	20	<0.05	<5	6	7	10	1.12	<50
K294382		2.30	0.001	1	0.77	40	<50	<5	10	<0.05	<5	8	15	5	1.30	<50
K294383		2.16	0.001	1	0.75	20	<50	<5	10	<0.05	<5	7	13	9	1.31	<50
K294384		2.46	0.001	<1	0.79	<10	50	<5	<10	<0.05	<5	6	9	5	0.74	<50
K294385		2.42	0.003	<1	0.05	<10	<50	<5	10	22.4	<5	<5	<5	9	0.52	<50
K294386		2.80	0.002	<1	1.02	<10	100	<5	<10	0.97	<5	13	39	12	2.39	<50
K294387		2.74	0.003	<1	0.51	<10	<50	<5	10	0.33	<5	<5	9	<5	0.58	<50
K294388		2.76	0.001	1	0.57	<10	<50	<5	<10	0.53	<5	6	20	10	0.89	<50
K294389		2.94	0.005	1	0.40	<10	<50	<5	10	<0.05	<5	<5	11	5	0.53	<50
K294390		2.74	0.017	<1	0.54	<10	<50	<5	10	<0.05	<5	5	13	<5	0.74	<50
K294391		3.24	0.017	<1	0.48	<10	<50	<5	30	0.24	<5	7	10	<5	0.74	<50
K294392		2.96	<0.001	<1	1.62	<10	310	<5	20	3.27	<5	17	68	25	2.36	<50
K294393		3.08	0.001	<1	0.37	<10	<50	<5	10	0.21	<5	<5	11	<5	0.62	<50
K294394		3.02	0.005	<1	0.37	<10	<50	<5	10	<0.05	<5	<5	12	<5	0.63	<50
K294395		3.02	0.031	1	0.39	<10	<50	<5	<10	0.05	<5	<5	11	<5	0.75	<50
K294396		3.58	0.014	<1	0.54	<10	50	<5	20	0.40	<5	5	10	<5	0.91	<50
K294397		0.28	1.530	32	1.18	520	660	<5	<10	0.28	32	12	13	125	5.45	<50



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: ARCUS DEVELOPMENT GROUP  
510 WEST HASTINGS ST.  
VANCOUVER BC V6B 1L8

Page: 2 - B  
Total # Pages: 2 (A - C)  
Plus Appendix Pages  
Finalized Date: 21-OCT-2017  
Account: DEVARC

Project: Dan Man

**CERTIFICATE OF ANALYSIS WH17190007**

Sample Description	Method Analyte Units LOR	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a
		Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
		ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
		5	0.05	50	0.05	30	5	0.05	5	50	10	0.05	10	5	5
K294381		7	0.17	<50	<0.05	140	<5	<0.05	5	60	<10	<0.05	<10	<5	24
K294382		<5	0.19	<50	<0.05	410	<5	<0.05	8	90	10	<0.05	<10	<5	28
K294383		6	0.18	<50	<0.05	240	<5	<0.05	6	130	<10	<0.05	<10	<5	30
K294384		5	0.20	<50	<0.05	270	<5	<0.05	5	80	<10	<0.05	<10	<5	15
K294385		<5	<0.05	<50	12.70	210	<5	<0.05	<5	210	<10	0.10	<10	<5	36
K294386		<5	0.28	<50	0.34	620	<5	<0.05	12	360	10	<0.05	10	9	33
K294387		<5	0.20	<50	0.05	100	<5	0.08	<5	60	<10	<0.05	<10	<5	14
K294388		<5	0.21	<50	0.20	170	<5	0.08	7	130	10	<0.05	<10	<5	15
K294389		<5	0.20	<50	<0.05	90	<5	0.08	<5	<50	<10	<0.05	10	<5	10
K294390		<5	0.27	<50	<0.05	100	<5	<0.05	<5	60	<10	<0.05	<10	<5	8
K294391		<5	0.21	<50	0.06	100	<5	0.08	<5	100	<10	<0.05	<10	<5	15
K294392		<5	0.73	<50	0.96	450	<5	<0.05	30	460	<10	0.05	<10	5	65
K294393		<5	0.20	<50	<0.05	100	5	0.06	5	<50	20	<0.05	<10	<5	5
K294394		<5	0.19	<50	<0.05	80	<5	0.05	<5	<50	<10	<0.05	10	<5	6
K294395		<5	0.22	<50	<0.05	120	<5	0.05	<5	50	10	<0.05	<10	<5	9
K294396		<5	0.25	<50	0.09	200	<5	<0.05	<5	120	<10	<0.05	<10	<5	15
K294397		<5	0.53	<50	0.10	1030	6	<0.05	<5	1440	3440	0.45	30	5	162



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: ARCUS DEVELOPMENT GROUP  
510 WEST HASTINGS ST.  
VANCOUVER BC V6B 1L8

Page: 2 - C  
Total # Pages: 2 (A - C)  
Plus Appendix Pages  
Finalized Date: 21-OCT-2017  
Account: DEVARC

Project: Dan Man

**CERTIFICATE OF ANALYSIS WH17190007**

Sample Description	Method Analyte Units LOR	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a	ME-ICP41a
		Ti	Ti	U	V	W	Zn
		% 0.05	ppm 50	ppm 50	ppm 5	ppm 50	ppm 10
K294381		<0.05	<50	<50	7	<50	10
K294382		<0.05	<50	<50	11	<50	20
K294383		<0.05	<50	<50	11	<50	20
K294384		<0.05	<50	<50	<5	<50	10
K294385		<0.05	<50	<50	<5	<50	20
K294386		<0.05	<50	<50	51	<50	30
K294387		<0.05	<50	<50	<5	<50	<10
K294388		<0.05	<50	<50	8	<50	10
K294389		<0.05	<50	<50	<5	<50	10
K294390		<0.05	<50	<50	<5	<50	<10
K294391		<0.05	<50	<50	<5	<50	10
K294392		0.18	<50	<50	48	<50	30
K294393		<0.05	<50	<50	<5	<50	<10
K294394		<0.05	<50	<50	<5	<50	<10
K294395		<0.05	<50	<50	<5	<50	<10
K294396		<0.05	<50	<50	<5	<50	<10
K294397		<0.05	<50	<50	60	<50	2330



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: ARCUS DEVELOPMENT GROUP  
510 WEST HASTINGS ST.  
VANCOUVER BC V6B 1L8

Page: Appendix 1  
Total # Appendix Pages: 1  
Finalized Date: 21-OCT-2017  
Account: DEVARC

Project: Dan Man

**CERTIFICATE OF ANALYSIS WH17190007**

### CERTIFICATE COMMENTS

#### LABORATORY ADDRESSES

Applies to Method:

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

Au-ICP21

BAG-01

CRU-31

LOG-22

LOG-23

ME-ICP41a

PUL-32

SPL-21

WEI-21