



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: 10-OCT-2017  
Account: DEVARC

**CERTIFICATE WH17183045**

Project: Dan Man

P.O. No.: 1006216-Batch 8

This report is for 36 Rock samples submitted to our lab in Whitehorse, YT, Canada on 29-AUG-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
BAG-01	Bulk Master for Storage
LOG-23	Pulp Login - Rcvd with Barcode
PUL-QC	Pulverizing QC Test
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: 10-OCT-2017  
Account: DEVARC

Project: Dan Man

**CERTIFICATE OF ANALYSIS WH17183045**

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	Au-ICP21 Au ppm	ME-ICP41a Ag ppm	ME-ICP41a Al %	ME-ICP41a As ppm	ME-ICP41a Ba ppm	ME-ICP41a Be ppm	ME-ICP41a Bi ppm	ME-ICP41a Ca %	ME-ICP41a Cd ppm	ME-ICP41a Co ppm	ME-ICP41a Cr ppm	ME-ICP41a Cu ppm	ME-ICP41a Fe %	ME-ICP41a Ga ppm
		0.02	0.001	1	0.05	10	50	5	10	0.05	5	5	5	5	0.05	50
W590253		3.38	0.033	1	0.44	20	<50	<5	10	0.06	<5	<5	5	<5	0.65	<50
W590254		3.32	0.195	<1	0.41	50	<50	<5	<10	<0.05	<5	<5	9	<5	0.76	<50
W590255		3.14	0.085	1	0.46	40	<50	<5	<10	<0.05	<5	<5	7	6	0.69	<50
W590256		3.68	0.229	<1	0.55	60	50	<5	<10	1.27	<5	<5	6	<5	0.73	<50
W590257		3.66	0.211	<1	0.39	40	<50	<5	10	0.09	<5	<5	9	<5	0.78	<50
W590258		3.48	0.167	<1	0.36	40	60	<5	<10	<0.05	<5	<5	8	<5	0.73	<50
W590259		3.26	0.142	<1	0.35	50	<50	<5	<10	<0.05	<5	<5	8	<5	0.81	<50
W590260		3.12	0.165	1	0.37	60	<50	<5	<10	<0.05	<5	<5	10	<5	0.85	<50
W590261		3.04	0.213	<1	0.36	70	<50	<5	<10	<0.05	<5	<5	9	<5	0.80	<50
W590262		3.14	0.239	<1	0.44	70	<50	<5	10	0.07	<5	<5	7	<5	0.78	<50
W590263		3.04	0.178	<1	0.38	30	<50	<5	<10	<0.05	<5	<5	10	<5	0.87	<50
W590264		3.44	0.106	<1	0.35	30	<50	<5	10	<0.05	<5	5	9	<5	0.57	<50
W590265		3.44	0.229	<1	0.46	20	<50	<5	10	<0.05	<5	<5	9	<5	0.64	<50
W590266		3.82	0.029	<1	0.34	20	<50	<5	<10	<0.05	<5	<5	9	<5	0.55	<50
W590267		3.60	2.23	1	0.39	180	<50	<5	10	<0.05	<5	5	10	<5	0.85	<50
W590268		3.60	0.098	<1	0.49	30	<50	<5	<10	0.44	<5	<5	8	<5	0.61	<50
W590269		3.42	0.063	<1	0.47	20	70	<5	<10	<0.05	<5	<5	9	<5	0.81	<50
W590270		3.50	0.069	<1	0.41	20	210	<5	10	0.05	<5	6	9	<5	0.81	<50
W590271		3.90	0.044	<1	0.44	20	<50	<5	<10	<0.05	<5	<5	8	<5	0.58	<50
W590272		3.24	0.366	<1	0.43	60	50	<5	10	0.05	<5	<5	10	<5	0.87	<50
W590273		3.14	0.060	<1	0.30	10	<50	<5	10	<0.05	<5	<5	11	<5	0.74	<50
W590274		3.74	0.116	<1	0.34	40	<50	<5	<10	<0.05	<5	5	10	<5	0.69	<50
W590275		3.76	0.171	<1	0.36	20	<50	<5	<10	<0.05	<5	<5	13	<5	0.78	<50
W590276		3.88	0.003	<1	0.31	<10	<50	<5	10	<0.05	<5	<5	9	<5	0.49	<50
W590277		3.88	0.004	<1	0.40	<10	<50	<5	<10	2.19	<5	<5	8	<5	1.03	<50
W590278		0.32	1.395	30	1.25	510	650	<5	<10	0.27	32	10	13	137	5.52	<50
W590279		3.04	0.003	<1	1.07	<10	50	<5	10	0.53	<5	<5	10	<5	2.14	<50
W590280		3.50	<0.001	<1	0.52	20	50	<5	<10	0.17	<5	<5	10	10	1.02	<50
W590281		3.44	<0.001	<1	0.37	20	<50	<5	<10	0.05	<5	<5	8	<5	0.82	<50
W590282		2.32	0.001	<1	<0.05	10	<50	<5	<10	20.7	<5	<5	<5	<5	0.45	<50
W590283		3.80	0.001	<1	0.36	10	<50	<5	<10	0.10	<5	<5	8	<5	0.60	<50
W590284		3.58	0.050	<1	0.39	50	70	<5	<10	0.11	<5	<5	7	<5	0.69	<50
W590285		3.52	0.005	<1	0.41	30	<50	<5	<10	0.21	<5	6	11	<5	1.03	<50
W590286		2.82	0.003	<1	0.58	30	<50	<5	<10	0.07	<5	<5	11	<5	1.15	<50
W590287		2.88	0.077	<1	0.51	20	<50	<5	10	<0.05	<5	<5	10	<5	0.84	<50
W590288		3.24	0.001	<1	0.52	<10	<50	<5	<10	0.39	<5	<5	9	<5	0.77	<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: 10-OCT-2017  
Account: DEVARC

Project: Dan Man

**CERTIFICATE OF ANALYSIS WH17183045**

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	ME-ICP41a
		Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Th
		ppm	%	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	100
W590253		<5	0.22	<50	<0.05	120	<5	<0.05	<5	100	20	<0.05	<10	<5	11	<100
W590254		<5	0.23	<50	<0.05	150	<5	<0.05	<5	70	20	<0.05	<10	<5	10	<100
W590255		<5	0.19	<50	<0.05	170	<5	<0.05	<5	70	10	<0.05	<10	<5	16	<100
W590256		<5	0.19	<50	<0.05	180	<5	<0.05	<5	70	20	<0.05	<10	<5	29	<100
W590257		<5	0.28	<50	<0.05	130	<5	<0.05	<5	70	10	<0.05	<10	<5	13	<100
W590258		<5	0.29	<50	<0.05	70	<5	<0.05	<5	60	20	<0.05	<10	<5	6	<100
W590259		<5	0.25	<50	<0.05	70	<5	<0.05	<5	100	40	<0.05	<10	<5	54	<100
W590260		<5	0.27	<50	<0.05	70	<5	<0.05	5	80	40	<0.05	<10	<5	41	<100
W590261		<5	0.26	<50	<0.05	180	<5	<0.05	<5	90	40	<0.05	<10	<5	17	<100
W590262		<5	0.26	<50	<0.05	240	<5	<0.05	<5	70	30	<0.05	<10	<5	18	<100
W590263		<5	0.28	<50	<0.05	120	<5	<0.05	5	<50	30	<0.05	<10	<5	13	<100
W590264		<5	0.26	<50	<0.05	120	<5	<0.05	8	80	20	<0.05	<10	<5	9	<100
W590265		<5	0.24	<50	<0.05	90	<5	<0.05	<5	50	20	<0.05	<10	<5	12	<100
W590266		<5	0.19	<50	<0.05	60	<5	0.06	5	70	10	<0.05	<10	<5	7	<100
W590267		<5	0.29	<50	<0.05	110	<5	<0.05	5	100	30	<0.05	<10	<5	17	<100
W590268		<5	0.22	<50	<0.05	130	<5	<0.05	<5	80	20	<0.05	<10	<5	23	<100
W590269		<5	0.27	<50	<0.05	210	<5	0.05	<5	100	20	<0.05	<10	<5	19	<100
W590270		<5	0.19	<50	<0.05	930	<5	<0.05	<5	110	40	<0.05	<10	<5	42	<100
W590271		<5	0.21	<50	<0.05	140	<5	0.06	<5	70	20	<0.05	<10	<5	10	<100
W590272		<5	0.23	<50	<0.05	240	<5	<0.05	<5	120	30	<0.05	<10	<5	56	<100
W590273		<5	0.17	<50	<0.05	180	<5	0.07	5	70	20	<0.05	<10	<5	10	<100
W590274		<5	0.20	<50	<0.05	90	<5	0.07	<5	70	10	<0.05	<10	<5	10	<100
W590275		<5	0.23	<50	<0.05	130	<5	0.06	<5	60	20	<0.05	<10	<5	11	<100
W590276		<5	0.17	<50	<0.05	80	<5	0.07	5	90	<10	<0.05	<10	<5	15	<100
W590277		<5	0.19	<50	<0.05	190	<5	0.07	<5	50	30	<0.05	<10	<5	48	<100
W590278		7	0.52	<50	0.10	1060	7	<0.05	8	1460	3460	0.37	30	5	171	<100
W590279		<5	0.60	<50	0.40	360	<5	0.06	7	500	30	<0.05	<10	<5	30	<100
W590280		<5	0.25	<50	0.06	200	<5	<0.05	10	230	20	<0.05	<10	<5	22	<100
W590281		<5	0.20	<50	<0.05	110	<5	0.05	<5	110	20	<0.05	<10	<5	15	<100
W590282		<5	<0.05	<50	11.75	200	<5	<0.05	<5	190	10	<0.05	<10	<5	40	<100
W590283		<5	0.18	<50	0.05	120	<5	<0.05	<5	80	<10	<0.05	<10	<5	11	<100
W590284		<5	0.21	<50	<0.05	100	<5	<0.05	<5	50	10	<0.05	<10	<5	22	<100
W590285		<5	0.17	<50	0.13	190	<5	<0.05	<5	100	<10	<0.05	<10	<5	15	<100
W590286		<5	0.18	<50	0.05	230	<5	<0.05	<5	180	20	<0.05	<10	<5	24	<100
W590287		5	0.18	<50	<0.05	140	<5	<0.05	<5	80	30	<0.05	<10	<5	10	<100
W590288		<5	0.19	<50	<0.05	150	<5	<0.05	<5	70	10	<0.05	<10	<5	14	<100



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: 10-OCT-2017  
 Account: DEVARC

Project: Dan Man

**CERTIFICATE OF ANALYSIS WH17183045**

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
W590253		<0.05	<50	<50	<5	<50	10
W590254		<0.05	<50	<50	<5	<50	10
W590255		<0.05	<50	<50	<5	<50	10
W590256		<0.05	<50	<50	<5	<50	<10
W590257		<0.05	<50	<50	<5	<50	<10
W590258		<0.05	<50	<50	<5	<50	<10
W590259		<0.05	<50	<50	<5	<50	<10
W590260		<0.05	<50	<50	<5	<50	<10
W590261		<0.05	<50	<50	<5	<50	<10
W590262		<0.05	<50	<50	<5	<50	<10
W590263		<0.05	<50	<50	<5	<50	<10
W590264		<0.05	<50	<50	<5	<50	<10
W590265		<0.05	<50	<50	<5	<50	10
W590266		<0.05	<50	<50	<5	<50	10
W590267		<0.05	<50	<50	<5	<50	<10
W590268		<0.05	<50	<50	<5	<50	<10
W590269		<0.05	<50	<50	<5	<50	10
W590270		<0.05	<50	<50	<5	<50	10
W590271		<0.05	<50	<50	<5	<50	<10
W590272		<0.05	<50	<50	<5	<50	<10
W590273		<0.05	<50	<50	<5	<50	10
W590274		<0.05	<50	<50	<5	<50	10
W590275		<0.05	<50	<50	<5	<50	10
W590276		<0.05	<50	<50	<5	<50	10
W590277		<0.05	<50	<50	5	<50	20
W590278		<0.05	<50	<50	62	<50	2310
W590279		<0.05	<50	<50	24	<50	60
W590280		<0.05	<50	<50	<5	<50	30
W590281		<0.05	<50	<50	<5	<50	20
W590282		<0.05	<50	<50	<5	<50	20
W590283		<0.05	<50	<50	<5	<50	10
W590284		<0.05	<50	<50	<5	<50	10
W590285		<0.05	<50	<50	<5	<50	20
W590286		<0.05	<50	<50	<5	<50	20
W590287		<0.05	<50	<50	<5	<50	10
W590288		<0.05	<50	<50	<5	<50	10



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: 10-OCT-2017  
Account: DEVARC

Project: Dan Man

**CERTIFICATE OF ANALYSIS WH17183045**

**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

PUL-QC

SPL-21

WEI-21