



ALS Canada Ltd.  
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www.alsglobal.com/geochemistry

To: GROUNDTRUTH EXPLORATION  
PO BOX 70  
DAWSON CITY YT Y0B 1C0

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Finalized Date: 8-NOV-2019  
Account: TRUPTD

**CERTIFICATE WH19251869**

Project: QTZ

P.O. No.: 3334TRUPTD

This report is for 13 Rock samples submitted to our lab in Whitehorse, YT, Canada on 7-OCT-2019.

The following have access to data associated with this certificate:

JORDAN BUTLER

GREG DAWSON

JEAN PAUTLER

**SAMPLE PREPARATION**

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21	Sample logging - ClientBarCode
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-32m	Pulverize 500g - 85%<75um
BAG-01	Bulk Master for Storage

**ANALYTICAL PROCEDURES**

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA23	Au 30g FA-AA finish	AAS
ME-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES
ME-MS42	Up to 34 elements by ICP-MS	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:**

Saa Traxler, General Manager, North Vancouver



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**CERTIFICATE OF ANALYSIS WH19251869**

Sample Description	Method Analyte Units LOD	WEI-21 Recvd Wt. kg 0.02	Au-AA23 Au ppm 0.005	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
1817476		2.35	<0.005	0.2	0.04	18	<10	3390	<0.5	<2	0.01	<0.5	1	10	2	0.37
1817477		1.87	<0.005	<0.2	0.36	39	<10	200	<0.5	<2	0.01	<0.5	1	5	11	0.70
1817478		1.19	<0.005	0.2	0.24	6	<10	160	<0.5	<2	0.01	<0.5	1	4	3	1.07
1817479		0.63	<0.005	<0.2	0.07	2	<10	50	<0.5	<2	<0.01	<0.5	1	12	2	0.80
1817480		1.61	<0.005	<0.2	0.25	11	<10	190	<0.5	<2	0.01	<0.5	4	5	13	0.97
1817481		0.89	<0.005	0.2	0.34	24	<10	150	<0.5	<2	0.01	<0.5	4	7	16	1.23
1817482		0.81	<0.005	0.2	0.06	2	<10	90	<0.5	<2	13.7	0.7	<1	4	1	0.66
1817483		1.59	<0.005	<0.2	0.30	3	<10	120	<0.5	<2	0.03	<0.5	1	8	3	1.12
1817484		2.73	<0.005	<0.2	0.25	2	<10	90	<0.5	<2	0.01	<0.5	1	5	2	1.15
1817485		3.10	<0.005	0.2	0.09	<2	<10	110	<0.5	<2	0.01	<0.5	1	15	3	0.87
1817486		2.30	<0.005	<0.2	0.05	<2	<10	30	<0.5	<2	0.01	<0.5	1	12	5	0.38
1817487		1.31	0.005	<0.2	0.28	2	<10	100	<0.5	<2	0.03	<0.5	1	15	11	1.21
1817488		1.17	0.007	<0.2	0.56	22	<10	170	<0.5	<2	0.08	<0.5	4	5	5	1.63



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**CERTIFICATE OF ANALYSIS WH19251869**

Sample Description	Method Analyte Units LOD	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc
		ppm 10	ppm 1	% 0.01	ppm 10	% 0.01	ppm 5	ppm 1	% 0.01	ppm 1	ppm 10	ppm 2	% 0.01	ppm 2	ppm 1
1817476		<10	<1	0.03	<10	<0.01	88	<1	<0.01	2	20	23	0.08	4	<1
1817477		<10	<1	0.17	<10	0.01	105	<1	0.05	1	30	23	<0.01	<2	1
1817478		<10	<1	0.17	10	0.02	75	2	0.02	2	180	34	0.02	<2	1
1817479		<10	<1	0.04	<10	0.01	136	<1	<0.01	2	20	11	<0.01	<2	<1
1817480		<10	<1	0.16	10	0.02	253	1	0.02	3	90	63	<0.01	<2	1
1817481		<10	<1	0.21	10	0.02	316	1	0.02	3	100	165	<0.01	<2	1
1817482		<10	<1	0.01	<10	0.08	985	<1	<0.01	2	100	10	<0.01	<2	2
1817483		<10	<1	0.13	30	0.08	76	<1	0.05	2	60	8	<0.01	<2	5
1817484		<10	<1	0.06	30	0.02	105	<1	0.07	2	40	7	<0.01	<2	4
1817485		<10	<1	0.07	<10	0.01	116	<1	<0.01	2	20	26	<0.01	<2	<1
1817486		<10	<1	0.01	<10	0.02	74	<1	<0.01	1	50	17	0.01	<2	<1
1817487		<10	<1	0.12	10	0.06	108	2	0.02	4	130	6	0.03	<2	1
1817488		<10	<1	0.17	10	0.20	163	1	0.03	4	210	8	0.03	<2	3



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**CERTIFICATE OF ANALYSIS WH19251869**

Sample Description	Method Analyte Units LOD	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-MS42
		Th	Ti	Tl	U	V	W	Zn	Te
		ppm 20	% 0.01	ppm 10	ppm 10	ppm 1	ppm 10	ppm 2	ppm 0.01
1817476		<20	<0.01	<10	<10	<1	<10	11	0.01
1817477		<20	<0.01	<10	<10	1	<10	74	<0.01
1817478		<20	0.01	<10	<10	1	<10	30	0.02
1817479		<20	<0.01	<10	<10	1	<10	9	0.01
1817480		<20	<0.01	<10	<10	1	<10	66	0.01
1817481		<20	<0.01	<10	<10	2	<10	61	0.02
1817482		<20	<0.01	<10	<10	4	<10	13	<0.01
1817483		<20	0.02	<10	<10	3	<10	28	0.01
1817484		<20	<0.01	<10	<10	2	<10	22	0.01
1817485		<20	<0.01	<10	<10	1	<10	12	<0.01
1817486		<20	<0.01	<10	<10	<1	<10	14	<0.01
1817487		<20	0.01	<10	<10	6	<10	12	0.03
1817488		<20	0.01	<10	<10	11	<10	24	0.20



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**CERTIFICATE COMMENTS**

**LABORATORY ADDRESSES**

Applies to Method:	Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.		
	BAG-01	CRU-31	CRU-QC
	PUL-32m	PUL-QC	SPL-21
			LOG-21
			WEI-21
Applies to Method:	Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.		
	Au-AA23	ME-ICP41	ME-MS42