



ALS Canada Ltd.
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www.alsglobal.com/geochemistry

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

Page: 1
Total # Pages: 2 (A - C)
Plus Appendix Pages
Finalized Date: 7-NOV-2019
Account: TRUPTD

CERTIFICATE WH19244837

Project: Portland (PTD)

P.O. No.: 3247

This report is for 14 Rock samples submitted to our lab in Whitehorse, YT, Canada on 30-SEP-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
Au-GRA21	Au 30g FA-GRAV finish	WST-SIM
ME-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES
ME-OG46	Ore Grade Elements - AquaRegia	ICP-AES
Pb-OG46	Ore Grade Pb - Aqua Regia	
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 WH19244837

Sample Description	Method Analyte Units LOD	WEI-21 Recvd Wt. kg 0.02	Au-AA23 Au ppm 0.005	Au-GRA21 Au ppm 0.05	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
1817489		1.18	>10.0	139.0	57.5	0.06	342	<10	310	<0.5	6	0.01	3.5	<1	14	332
1817490		1.06	8.86		3.6	0.17	373	<10	150	<0.5	<2	0.01	7.2	1	4	208
1817491		0.92	>10.0	105.5	38.3	0.14	292	<10	160	<0.5	<2	0.01	3.4	1	6	182
1817492		1.90	>10.0	34.4	36.3	0.01	139	<10	160	<0.5	2	<0.01	0.5	<1	21	59
1817493		1.25	0.155		0.4	0.07	409	<10	60	<0.5	<2	0.01	8.1	<1	14	76
1817494		2.11	0.672		0.2	0.05	54	<10	150	<0.5	2	0.14	1.6	1	19	12
1817495		1.58	5.25	7.77	14.1	0.05	228	<10	450	<0.5	<2	0.01	3.8	<1	17	33
1817496		1.43	0.192		2.0	0.09	23	<10	410	<0.5	4	2.59	1.3	2	17	10
1817497		1.25	0.338		0.4	0.08	70	<10	230	<0.5	<2	0.71	2.5	3	20	9
1817498		1.40	0.069		<0.2	0.10	22	<10	1590	<0.5	<2	0.02	<0.5	1	8	17
1813281		1.09	<0.005		<0.2	0.08	<2	<10	210	<0.5	<2	<0.01	<0.5	<1	13	5
1813282		2.14	<0.005		<0.2	0.05	<2	<10	70	<0.5	<2	<0.01	<0.5	<1	19	4
1813283		1.22	<0.005		<0.2	0.07	<2	<10	210	<0.5	<2	0.01	<0.5	<1	16	2
1813284		1.13	0.009		<0.2	0.46	<2	<10	210	<0.5	<2	0.06	<0.5	2	12	5



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Page: 2 - B
Total # Pages: 2 (A - C)
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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	
		Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc
		%	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm
		0.01	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1
1817489		1.77	<10	4	0.09	20	<0.01	38	15	0.02	<1	20	>10000	0.53	26	<1
1817490		4.37	<10	<1	0.09	40	0.01	136	13	0.04	1	40	1460	0.09	8	3
1817491		2.69	<10	6	0.10	40	<0.01	203	21	0.03	<1	50	2600	0.09	7	2
1817492		0.80	<10	1	0.01	<10	<0.01	55	1	0.01	<1	10	9820	0.13	4	<1
1817493		1.87	<10	<1	0.04	20	<0.01	163	4	0.01	<1	30	738	0.02	6	1
1817494		1.10	<10	<1	0.03	10	<0.01	509	1	0.01	<1	20	63	0.01	<2	3
1817495		1.80	<10	<1	0.08	10	<0.01	49	2	0.02	<1	10	1335	0.26	4	1
1817496		1.55	<10	1	0.06	20	0.03	1155	1	0.01	8	70	167	0.01	<2	3
1817497		1.26	<10	<1	0.06	20	0.01	609	1	0.01	5	100	28	0.01	<2	5
1817498		0.75	<10	<1	0.09	10	<0.01	98	1	<0.01	1	100	19	0.04	24	1
1813281		0.91	<10	<1	0.06	<10	0.01	52	1	<0.01	1	50	8	0.01	<2	<1
1813282		1.08	<10	<1	0.02	<10	<0.01	79	<1	<0.01	1	30	2	<0.01	<2	<1
1813283		0.68	<10	<1	0.06	<10	0.02	37	<1	<0.01	1	20	2	0.01	<2	<1
1813284		3.92	<10	<1	0.18	40	0.19	115	2	<0.01	8	390	6	0.03	2	1



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Sample Description	Method Analyte Units LOD	ME-ICP41 Sr ppm 1	ME-ICP41 Th ppm 20	ME-ICP41 Ti % 0.01	ME-ICP41 Tl ppm 10	ME-ICP41 U ppm 10	ME-ICP41 V ppm 1	ME-ICP41 W ppm 10	ME-ICP41 Zn ppm 2	Pb-OG46 Pb % 0.001	ME-MS42 Te ppm 0.01
1817489		30	<20	<0.01	<10	10	<1	10	374	2.94	0.64
1817490		5	20	<0.01	<10	10	<1	<10	887		0.07
1817491		5	20	<0.01	<10	<10	<1	<10	666		0.12
1817492		19	<20	<0.01	<10	10	<1	<10	60		0.22
1817493		3	<20	<0.01	<10	<10	1	<10	516		0.01
1817494		9	<20	<0.01	<10	<10	<1	<10	134		0.02
1817495		14	<20	<0.01	<10	<10	<1	<10	201		0.07
1817496		33	<20	<0.01	<10	<10	2	<10	55		0.04
1817497		18	<20	<0.01	<10	<10	2	<10	119		0.02
1817498		21	<20	<0.01	<10	<10	1	<10	15		0.01
1813281		2	<20	<0.01	<10	<10	<1	<10	8		0.03
1813282		1	<20	<0.01	<10	<10	<1	<10	12		<0.01
1813283		2	<20	<0.01	<10	<10	<1	<10	<2		0.05
1813284		10	20	0.02	<10	<10	6	<10	8		0.08



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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
Applies to Method:	Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.		
	Au-AA23	Au-GRA21	ME-ICP41
	ME-OG46	Pb-OG46	