



ALS Canada Ltd.  
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To: PACIFIC RIDGE EXPLORATION LTD.  
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 Account: PARIEX

**QC CERTIFICATE WH18211504**

Project: RC

This report is for 18 Rock samples submitted to our lab in Whitehorse, YT, Canada on 28-AUG-2018.

The following have access to data associated with this certificate:

GERRY CARLSON		
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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-31	Pulverize split to 85% <75 um

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
ME-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES
Au-AA23	Au 30g FA-AA finish	AAS

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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**QC CERTIFICATE OF ANALYSIS WH18211504**

Method Analyte Units LOD	Au-AA23	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	
Sample Description	Au ppm	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	
	0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01	10	
<b>STANDARDS</b>																
CDN-CM-34		3.8	2.35	99	<10	120	<0.5	<2	1.28	1.0	40	174	5590	4.27	10	
Target Range - Lower Bound		3.1	2.14	93	<10	70	<0.5	<2	1.20	<0.5	36	164	5390	3.91	<10	
Upper Bound		4.3	2.64	118	30	140	1.4	8	1.49	2.0	46	202	6210	4.80	30	
CDN-GS-P6A	0.771															
Target Range - Lower Bound	0.689															
Upper Bound	0.787															
EMOG-17		67.9	1.59	589	10	40	<0.5	5	0.94	19.8	766	46	8640	4.72	<10	
Target Range - Lower Bound		59.3	1.45	503	<10	30	<0.5	<2	0.87	17.9	679	42	7780	4.18	<10	
Upper Bound		72.9	1.79	619	20	80	1.5	10	1.09	22.9	833	54	8960	5.14	30	
G913-10	7.32															
Target Range - Lower Bound	6.66															
Upper Bound	7.52															
<b>BLANKS</b>																
BLANK	<0.005															
Target Range - Lower Bound	<0.005															
Upper Bound	0.010															
BLANK		<0.2	<0.01	<2	<10	<10	<0.5	<2	<0.01	<0.5	<1	<1	<1	<0.01	<10	
Target Range - Lower Bound		<0.2	<0.01	<2	<10	<10	<0.5	<2	<0.01	<0.5	<1	<1	<1	<0.01	<10	
Upper Bound		0.4	0.02	4	20	20	1.0	4	0.02	1.0	2	2	2	0.02	20	
<b>DUPLICATES</b>																
ORIGINAL		>100	0.98	68	110	30	<0.5	395	14.00	8.9	5	8	>10000	1.64	<10	
DUP		96.5	1.11	71	120	30	0.5	411	14.60	9.2	5	9	>10000	1.77	<10	
Target Range - Lower Bound		93.1	0.98	64	100	20	<0.5	381	13.60	8.1	4	7	9650	1.61	<10	
Upper Bound		100.0	1.11	75	130	40	1.0	425	15.05	10.0	6	10	>10000	1.80	20	
ORIGINAL	<0.005															
DUP	<0.005															
Target Range - Lower Bound	<0.005															
Upper Bound	0.010															



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**QC CERTIFICATE OF ANALYSIS WH18211504**

Sample Description	Method Analyte Units LOD	ME-ICP41 Hg ppm	ME-ICP41 K %	ME-ICP41 La ppm	ME-ICP41 Mg %	ME-ICP41 Mn ppm	ME-ICP41 Mo ppm	ME-ICP41 Na %	ME-ICP41 Ni ppm	ME-ICP41 P ppm	ME-ICP41 Pb ppm	ME-ICP41 S %	ME-ICP41 Sb ppm	ME-ICP41 Sc ppm	ME-ICP41 Sr ppm	ME-ICP41 Th ppm
		1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1	20
<b>STANDARDS</b>																
CDN-CM-34		<1	1.13	10	2.42	293	263	0.10	219	1160	20	3.03	<2	9	100	<20
Target Range - Lower Bound		<1	1.06	<10	2.27	269	245	0.08	204	1050	18	2.70	<2	8	92	<20
Upper Bound		2	1.32	30	2.80	340	301	0.13	252	1310	28	3.32	9	13	115	40
CDN-GS-P6A																
Target Range - Lower Bound																
Upper Bound																
EMOG-17		1	0.66	20	0.78	645	1080	0.16	7850	800	7230	3.22	687	5	54	<20
Target Range - Lower Bound		<1	0.60	<10	0.73	598	1015	0.15	6930	680	6500	2.90	572	3	47	<20
Upper Bound		3	0.76	40	0.91	742	1245	0.20	8470	850	7950	3.56	778	7	59	50
G913-10																
Target Range - Lower Bound																
Upper Bound																
<b>BLANKS</b>																
BLANK		<1	<0.01	<10	<0.01	<5	<1	<0.01	<1	<10	<2	<0.01	<2	<1	<1	<20
Target Range - Lower Bound		<1	<0.01	<10	<0.01	<5	<1	<0.01	<1	<10	<2	<0.01	<2	<1	<1	<20
Upper Bound		2	0.02	20	0.02	10	2	0.02	2	20	4	0.02	4	2	2	40
<b>DUPLICATES</b>																
ORIGINAL		<1	0.01	10	0.24	1175	1	<0.01	7	710	122	0.02	6	1	42	<20
DUP		<1	0.01	10	0.27	1230	1	<0.01	8	730	124	0.02	11	1	44	<20
Target Range - Lower Bound		<1	<0.01	<10	0.23	1135	<1	<0.01	6	670	115	<0.01	6	<1	40	<20
Upper Bound		2	0.02	20	0.28	1270	2	0.02	9	770	131	0.03	11	2	46	40
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																



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**QC CERTIFICATE OF ANALYSIS WH18211504**

Sample Description	Method Analyte Units LOD	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Ti %	Ti ppm	U ppm	V ppm	W ppm	Zn ppm
		0.01	10	10	1	10	2
<b>STANDARDS</b>							
CDN-CM-34		0.18	<10	<10	103	10	166
Target Range - Lower Bound		0.15	<10	<10	95	<10	159
Upper Bound		0.21	20	20	118	30	199
CDN-GS-P6A							
Target Range - Lower Bound							
Upper Bound							
EMOG-17		0.22	<10	<10	66	20	7330
Target Range - Lower Bound		0.18	<10	<10	58	<10	6780
Upper Bound		0.25	20	20	74	20	8290
G913-10							
Target Range - Lower Bound							
Upper Bound							
<b>BLANKS</b>							
BLANK							
Target Range - Lower Bound							
Upper Bound							
BLANK		<0.01	<10	<10	<1	<10	<2
Target Range - Lower Bound		<0.01	<10	<10	<1	<10	<2
Upper Bound		0.02	20	20	2	20	4
<b>DUPLICATES</b>							
ORIGINAL		0.03	<10	<10	16	10	1065
DUP		0.04	<10	<10	17	10	1090
Target Range - Lower Bound		0.02	<10	<10	15	<10	1020
Upper Bound		0.05	20	20	18	20	1135
ORIGINAL							
DUP							
Target Range - Lower Bound							
Upper Bound							



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Sample Description	Method Analyte Units LOD	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	ME-ICP41 Ga ppm 10
DUPLICATES																
S054730		0.010														
DUP		0.011														
Target Range - Lower Bound		<0.005														
Upper Bound		0.016														
ORIGINAL		<0.005														
DUP		<0.005														
Target Range - Lower Bound		<0.005														
Upper Bound		0.010														

\*\*\*\*\* See Appendix Page for comments regarding this certificate \*\*\*\*\*



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	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	ME-ICP41
Method Analyte Units Sample Description    LOD	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Th ppm
	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1	20
S054730 DUP Target Range - Lower Bound Upper Bound	<b>DUPLICATES</b>														
ORIGINAL DUP Target Range - Lower Bound Upper Bound															



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Sample Description	Method Analyte Units LOD	ME-ICP41 Ti %	ME-ICP41 Ti ppm	ME-ICP41 U ppm	ME-ICP41 V ppm	ME-ICP41 W ppm	ME-ICP41 Zn ppm
		0.01	10	10	1	10	2
S054730 DUP Target Range - Lower Bound Upper Bound		<b>DUPLICATES</b>					
ORIGINAL DUP Target Range - Lower Bound Upper Bound							



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<b>CERTIFICATE COMMENTS</b>									
	<b>LABORATORY ADDRESSES</b>								
Applies to Method:	<p>Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 33%;">CRU-31</td> <td style="width: 33%;">CRU-QC</td> <td style="width: 33%;">LOG-21</td> <td style="width: 15%;"></td> </tr> <tr> <td>PUL-QC</td> <td>SPL-21</td> <td>WEI-21</td> <td>PUL-31</td> </tr> </table>	CRU-31	CRU-QC	LOG-21		PUL-QC	SPL-21	WEI-21	PUL-31
CRU-31	CRU-QC	LOG-21							
PUL-QC	SPL-21	WEI-21	PUL-31						
Applies to Method:	<p>Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 33%;">Au-AA23</td> <td style="width: 67%;">ME-ICP41</td> </tr> </table>	Au-AA23	ME-ICP41						
Au-AA23	ME-ICP41								