



ALS Canada Ltd.
 2103 Dollarton Hwy
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To: AURORA GEOSCIENCES LTD.
 3506 MCDONALD DRIVE
 YELLOWKNIFE NT X1A 2H1

Page: 1
 Total # Pages: 3 (A - D)
 Plus Appendix Pages
 Finalized Date: 6-AUG-2022
 Account: AURGEO

QC CERTIFICATE WH22189159

Project: Wels

This report is for 13 samples of Rock submitted to our lab in Whitehorse, YT, Canada on 11-JUL-2022.

The following have access to data associated with this certificate:

ERIC BUITENHUIS		
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SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21	Sample logging - ClientBarCode
LOG-23	Pulp Login - Rcvd with Barcode
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 up to 250g 85% <75 um

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
ME-MS61	48 element four acid ICP-MS	
Au-AA24	Au 50g 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: 
 Saa Traxler, Director, North Vancouver Operations



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QC CERTIFICATE OF ANALYSIS WH22189159

Sample Description	Method Analyte Units LOD	Au-AA24	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm	Fe %
		0.005	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01
STANDARDS																
EMOG-17			66.6	4.54	556	210	1.86	5.56	1.89	19.20	50.3	737	56	7.82	8100	4.79
Target Range - Lower Bound			60.9	4.18	522	310	1.60	5.31	1.72	18.15	42.9	686	49	6.56	7750	4.42
Upper Bound			74.5	5.13	638	440	2.06	6.51	2.12	22.2	52.5	838	62	8.12	8910	5.42
KIP-19	2.47															
Target Range - Lower Bound	2.28															
Upper Bound	2.58															
OREAS 920		0.10	7.76	5.6	560	2.70	0.64	0.50	0.05	99.6	16.3	86	9.41	114.0	4.12	
Target Range - Lower Bound		0.08	6.91	4.6	450	2.54	0.61	0.44	0.04	84.6	13.9	75	7.72	104.0	3.72	
Upper Bound		0.13	8.47	6.1	640	3.22	0.77	0.56	0.12	103.5	17.3	93	9.54	120.0	4.56	
OxE166	0.657															
Target Range - Lower Bound	0.608															
Upper Bound	0.696															
BLANKS																
BLANK	<0.005															
Target Range - Lower Bound	<0.005															
Upper Bound	0.010															
BLANK		<0.01	<0.01	<0.2	<10	<0.05	<0.01	<0.01	<0.02	0.01	<0.1	<1	<0.05	<0.2	<0.01	
Target Range - Lower Bound		<0.01	<0.01	<0.2	<10	<0.05	<0.01	<0.01	<0.02	<0.01	<0.1	<1	<0.05	<0.2	<0.01	
Upper Bound		0.02	0.02	0.4	20	0.10	0.02	0.02	0.04	0.02	0.2	2	0.10	0.4	0.02	
DUPLICATES																
ORIGINAL	0.010															
DUP	0.010															
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															



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		Ga ppm 0.05	Ge ppm 0.05	Hf ppm 0.1	In ppm 0.005	K % 0.01	La ppm 0.5	Li ppm 0.2	Mg % 0.01	Mn ppm 5	Mo ppm 0.05	Na % 0.01	Nb ppm 0.1	Ni ppm 0.2	P ppm 10	Pb ppm 0.5
STANDARDS																
EMOG-17		11.25	0.19	1.7	0.925	1.64	24.4	25.4	0.94	715	1040	1.09	14.7	7450	780	7040
Target Range - Lower Bound		10.75	0.06	1.6	0.823	1.49	20.7	23.9	0.86	670	997	0.99	12.7	6820	700	6570
Upper Bound		13.25	0.30	2.2	1.015	1.85	26.4	29.7	1.08	830	1220	1.23	15.7	8330	880	8030
KIP-19																
Target Range - Lower Bound																
Upper Bound																
OREAS 920		19.55	0.24	4.4	0.091	2.91	46.3	27.3	1.38	591	0.38	0.67	17.8	39.7	740	26.5
Target Range - Lower Bound		18.65	<0.05	4.0	0.070	2.59	41.0	26.0	1.23	535	0.34	0.56	15.6	37.4	670	20.7
Upper Bound		22.9	0.29	5.2	0.098	3.19	51.2	32.2	1.53	665	0.58	0.71	19.2	46.2	840	26.4
OxE166																
Target Range - Lower Bound																
Upper Bound																
BLANKS																
BLANK																
Target Range - Lower Bound																
Upper Bound																
BLANK		0.06	0.08	<0.1	<0.005	<0.01	<0.5	<0.2	<0.01	<5	<0.05	<0.01	<0.1	<0.2	<10	<0.5
Target Range - Lower Bound		<0.05	<0.05	<0.1	<0.005	<0.01	<0.5	<0.2	<0.01	<5	<0.05	<0.01	<0.1	<0.2	<10	<0.5
Upper Bound		0.10	0.10	0.2	0.010	0.02	1.0	0.4	0.02	10	0.10	0.02	0.2	0.4	20	1.0
DUPLICATES																
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																

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Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Rb ppm	Re ppm	S %	Sb ppm	Sc ppm	Se ppm	Sn ppm	Sr ppm	Ta ppm	Te ppm	Th ppm	Ti %	Tl ppm	U ppm	V ppm
STANDARDS																
EMOG-17		115.5	0.314	3.16	768	7.5	7	2.4	200	0.87	1.35	11.60	0.309	2.02	3.0	70
Target Range - Lower Bound		98.9	0.286	2.91	643	7.2	4	2.2	184.5	0.78	1.10	10.35	0.294	1.89	2.8	67
Upper Bound		121.0	0.354	3.57	869	9.0	9	3.2	226	1.08	1.46	12.65	0.370	2.61	3.7	84
KIP-19																
Target Range - Lower Bound																
Upper Bound																
OREAS 920		182.5	<0.002	0.03	1.41	14.5	1	4.6	83.6	1.30	<0.05	19.45	0.484	0.87	3.6	97
Target Range - Lower Bound		158.5	<0.002	<0.01	1.22	12.8	<1	4.3	73.6	1.17	<0.05	17.35	0.434	0.73	3.3	86
Upper Bound		193.5	0.004	0.05	1.76	15.8	2	5.7	90.4	1.55	0.12	21.2	0.542	1.03	4.2	108
OxE166																
Target Range - Lower Bound																
Upper Bound																
BLANKS																
BLANK																
Target Range - Lower Bound																
Upper Bound																
BLANK		<0.1	<0.002	<0.01	<0.05	<0.1	<1	<0.2	<0.2	<0.05	<0.05	<0.01	<0.005	<0.02	<0.1	<1
Target Range - Lower Bound		<0.1	<0.002	<0.01	<0.05	<0.1	<1	<0.2	<0.2	<0.05	<0.05	<0.01	<0.005	<0.02	<0.1	<1
Upper Bound		0.2	0.004	0.02	0.10	0.2	2	0.4	0.4	0.10	0.10	0.02	0.010	0.04	0.2	2
DUPLICATES																
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																

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Sample Description	Method Analyte Units LOD	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5
STANDARDS					
EMOG-17		3.4	16.1	7220	63.4
Target Range - Lower Bound		3.3	14.3	6800	55.6
Upper Bound		4.7	17.7	8320	76.4
KIP-19					
Target Range - Lower Bound					
Upper Bound					
OREAS 920		3.0	34.6	120	163.0
Target Range - Lower Bound		2.5	29.8	102	128.0
Upper Bound		3.7	36.6	130	174.0
OxE166					
Target Range - Lower Bound					
Upper Bound					
BLANKS					
BLANK					
Target Range - Lower Bound					
Upper Bound					
BLANK		<0.1	<0.1	<2	<0.5
Target Range - Lower Bound		<0.1	<0.1	<2	<0.5
Upper Bound		0.2	0.2	4	1.0
DUPLICATES					
ORIGINAL DUP					
Target Range - Lower Bound					
Upper Bound					
ORIGINAL DUP					
Target Range - Lower Bound					
Upper Bound					

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Sample Description	Method Analyte Units LOD	Au-AA24 Au ppm 0.005	ME-MS61 Ag ppm 0.01	ME-MS61 Al % 0.01	ME-MS61 As ppm 0.2	ME-MS61 Ba ppm 10	ME-MS61 Be ppm 0.05	ME-MS61 Bi ppm 0.01	ME-MS61 Ca % 0.01	ME-MS61 Cd ppm 0.02	ME-MS61 Ce ppm 0.01	ME-MS61 Co ppm 0.1	ME-MS61 Cr ppm 1	ME-MS61 Cs ppm 0.05	ME-MS61 Cu ppm 0.2	ME-MS61 Fe % 0.01
DUPLICATES																
Y646611		0.008														
DUP		0.005														
Target Range - Lower Bound		<0.005														
Upper Bound		0.010														
ORIGINAL		0.05	7.67	1.4	580	1.00	0.07	3.84	0.08	33.7	20.0	158	1.05	21.0	3.70	
DUP		0.05	7.84	2.3	610	1.08	0.07	4.05	0.08	32.9	20.9	160	1.10	22.3	3.90	
Target Range - Lower Bound		0.04	7.36	1.6	540	0.94	0.06	3.74	0.06	31.6	19.3	150	0.97	20.7	3.60	
Upper Bound		0.06	8.15	2.1	650	1.14	0.08	4.15	0.10	35.0	21.6	168	1.18	22.6	4.00	

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Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
Analyte	Units	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P	
LOD		0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10	
DUPLICATES																
Y646611																
DUP																
Target Range - Lower Bound																
Upper Bound																
ORIGINAL		16.80	0.20	2.6	0.039	1.43	14.8	21.2	2.43	600	2.03	2.85	5.6	67.7	640	7.9
DUP		17.55	0.15	2.7	0.038	1.52	14.4	22.6	2.55	640	1.98	3.02	5.8	71.8	690	8.5
Target Range - Lower Bound		16.25	0.11	2.4	0.032	1.39	13.4	20.6	2.36	584	1.85	2.78	5.3	66.1	620	7.3
Upper Bound		18.10	0.24	2.9	0.045	1.56	15.8	23.2	2.62	656	2.16	3.09	6.1	73.4	710	9.1

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Sample Description	Method Analyte Units LOD	ME-MS61 Rb ppm 0.1	ME-MS61 Re ppm 0.002	ME-MS61 S % 0.01	ME-MS61 Sb ppm 0.05	ME-MS61 Sc ppm 0.1	ME-MS61 Se ppm 1	ME-MS61 Sn ppm 0.2	ME-MS61 Sr ppm 0.2	ME-MS61 Ta ppm 0.05	ME-MS61 Te ppm 0.05	ME-MS61 Th ppm 0.01	ME-MS61 Ti % 0.005	ME-MS61 Tl ppm 0.02	ME-MS61 U ppm 0.1	ME-MS61 V ppm 1
DUPLICATES																
Y646611 DUP																
Target Range - Lower Bound																
Upper Bound																
ORIGINAL		31.1	<0.002	0.02	0.11	15.6	1	0.9	473	0.35	<0.05	2.56	0.261	0.27	1.7	83
DUP		27.3	<0.002	0.02	0.16	15.8	<1	0.9	503	0.37	<0.05	2.57	0.274	0.30	1.7	88
Target Range - Lower Bound		27.6	<0.002	<0.01	0.07	14.8	<1	0.7	463	0.29	<0.05	2.43	0.249	0.24	1.5	80
Upper Bound		30.8	0.004	0.03	0.20	16.6	2	1.1	513	0.43	0.10	2.70	0.286	0.33	1.9	91

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Sample Description	Method Analyte Units LOD	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5
DUPLICATES					
Y646611 DUP Target Range - Lower Bound Upper Bound					
ORIGINAL DUP Target Range - Lower Bound Upper Bound		0.2 0.3 <0.1 0.4	13.6 13.8 12.9 14.5	70 75 67 78	96.6 106.0 93.2 109.5



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CERTIFICATE COMMENTS											
	<p style="text-align: center;">ANALYTICAL COMMENTS</p> <p>Applies to Method: REEs may not be totally soluble in this method. ME-MS61</p> <p style="text-align: center;">LABORATORY ADDRESSES</p> <p>Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.</p> <table><tr><td>CRU-31</td><td>CRU-QC</td><td>LOG-21</td><td>LOG-23</td></tr><tr><td>PUL-31</td><td>PUL-QC</td><td>SPL-21</td><td>WEI-21</td></tr></table> <p>Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.</p> <table><tr><td>Au-AA24</td><td>ME-MS61</td></tr></table>	CRU-31	CRU-QC	LOG-21	LOG-23	PUL-31	PUL-QC	SPL-21	WEI-21	Au-AA24	ME-MS61
CRU-31	CRU-QC	LOG-21	LOG-23								
PUL-31	PUL-QC	SPL-21	WEI-21								
Au-AA24	ME-MS61										