



ALS Canada Ltd.  
2103 Dollarton Hwy  
North Vancouver BC V7H 0A7  
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To: ROCKHAVEN RESOURCES LTD.  
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED  
1016 - 510 W HASTINGS STREET  
VANCOUVER BC V6B 1L8

Page: 1  
Finalized Date: 6-MAR-2012  
Account: ROCKHA

**CERTIFICATE WH12026543**

Project: Klaza

P.O. No.:

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 7-FEB-2012.

The following have access to data associated with this certificate:

JOAN MARIACHER

HEATHER SMITH

MATT TURNER

**SAMPLE PREPARATION**

ALS CODE	DESCRIPTION
FND-03	Find Reject for Addn Analysis
LOG-22	Sample login - Rcd w/o BarCode
PUL-QC	Pulverizing QC Test
LOG-24	Pulp Login - Rcd w/o Barcode
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um

**ANALYTICAL PROCEDURES**

ALS CODE	DESCRIPTION	INSTRUMENT
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
Cu-OG62	Ore Grade Cu - Four Acid	VARIABLE
Pb-OG62	Ore Grade Pb - Four Acid	VARIABLE
Zn-OG62	Ore Grade Zn - Four Acid	VARIABLE
ME-MS61	48 element four acid ICP-MS	
Aq-OG62	Ore Grade Ag - Four Acid	VARIABLE

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ATTN: JOAN MARIACHER  
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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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Total # Pages: 2 (A - D)  
Plus Appendix Pages  
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**CERTIFICATE OF ANALYSIS WH12026543**

Sample Description	Method Analyte Units LOR	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	ME-MS61 Ga ppm 0.05
K270439		17.55	7.44	3250	1650	1.44	3.05	1.15	45.9	50.1	6.2	10	13.10	52.4	4.06	16.40
K270440		0.21	7.37	30.7	2000	1.70	0.34	2.69	0.70	41.5	6.7	12	10.05	6.1	2.98	16.45
K973110		0.39	7.06	56.9	2190	1.63	0.17	2.84	0.69	41.7	7.0	9	23.7	27.1	3.04	16.40
K973111		66.1	6.23	4470	840	1.43	41.4	1.45	333	48.7	5.1	7	27.9	1040	4.26	13.70
K973112		0.52	7.18	75.8	1450	1.55	0.21	2.43	1.71	38.5	8.0	8	23.6	11.4	2.74	16.75
K973113		18.05	7.28	3460	1630	1.82	3.58	1.88	8.50	43.9	6.6	8	21.3	62.9	3.29	16.65
G006291		>100	1.42	1160	290	0.29	65.9	1.75	518	13.30	27.1	31	0.86	>10000	17.15	15.95
K973115		0.10	6.72	18.0	2060	1.39	0.15	2.78	0.44	40.5	6.0	11	20.1	6.9	2.93	16.45
K973120		0.75	6.98	35.9	1810	1.52	0.46	1.94	3.93	38.5	6.2	8	18.40	31.3	3.75	16.60
K973121		6.76	5.65	>10000	1150	1.29	1.88	2.09	40.4	47.1	7.4	6	21.5	104.0	5.02	13.50
K973123		0.10	6.93	15.5	2190	1.70	0.20	2.50	0.17	40.4	7.0	8	37.5	16.7	3.34	16.80
K973155		0.08	7.76	89.4	2390	1.90	0.16	2.01	0.43	71.5	7.7	24	20.9	10.9	3.12	19.70
K973156		31.1	5.70	2850	1070	1.34	5.88	1.10	96.3	44.4	8.9	10	16.90	187.5	4.86	12.90
K973157		0.43	7.41	39.7	1400	1.47	0.70	1.48	0.54	47.2	7.7	9	25.5	21.4	2.68	15.85
K973158		0.23	7.02	64.8	870	1.94	0.56	2.14	0.39	56.4	6.0	24	30.6	10.9	2.49	19.15
K973159		45.9	5.42	1995	1750	1.08	6.56	0.42	209	39.0	12.1	8	13.40	137.5	6.28	12.40
K973160		1.80	7.28	71.9	710	1.33	1.37	1.49	7.32	54.8	7.7	10	18.50	5.9	3.98	14.75
K973161		10.60	7.42	795	170	1.42	1.42	0.70	36.1	41.1	12.0	11	16.70	37.2	6.50	19.35
K272040		0.02	0.10	<5	20	0.09	0.03	21.4	0.07	1.64	1.2	<1	0.29	3.9	0.43	0.37
K973162		0.44	7.46	12.1	1490	1.54	1.38	2.21	0.64	50.0	7.4	10	11.85	5.9	3.23	16.90
K973164		0.45	7.66	21.7	1280	1.52	1.10	2.03	2.81	46.4	8.9	9	13.45	12.2	3.49	17.50
K973165		7.27	7.01	337	280	1.55	3.23	1.43	25.4	56.5	9.3	7	23.4	57.3	6.79	16.70
K973166		1.02	7.14	33.7	1010	1.57	1.13	2.58	1.91	47.1	9.9	8	21.4	19.6	3.95	16.30
K973167		0.41	6.76	15.6	500	1.46	1.47	2.48	0.71	42.4	9.3	8	23.9	7.2	3.25	17.05
K973168		0.72	6.52	30.2	1230	1.14	1.55	1.51	0.30	84.6	17.1	9	8.34	3.5	5.22	19.45
G006292		>100	7.66	55.3	1600	1.26	1.52	2.46	60.2	31.3	13.3	23	2.63	4680	4.09	20.6
K973169		22.5	7.14	475	190	1.62	15.30	1.58	27.9	99.4	21.4	7	50.8	680	7.91	20.8
K973171		2.09	6.24	336	830	1.13	2.24	1.77	3.09	67.1	7.1	9	12.80	29.8	3.41	14.00
K973172		3.06	7.12	165.0	730	1.34	1.39	2.10	18.65	41.8	6.8	7	18.25	37.2	3.75	15.05
K973173		2.32	7.35	104.0	1160	1.39	1.20	2.32	5.39	40.8	6.5	8	17.35	25.6	3.40	15.40
K973174		3.47	7.59	115.5	1070	1.39	0.88	1.89	6.77	56.3	5.9	8	19.75	36.3	3.22	15.75
K973175		14.10	7.21	306	680	1.51	12.75	1.49	20.7	50.0	7.6	9	20.0	598	4.71	15.15
K973176		13.80	7.37	386	690	1.38	15.30	1.71	28.6	55.0	6.8	8	15.30	211	4.53	15.15
K973178		0.23	7.42	12.5	2170	1.43	0.70	2.16	0.70	48.3	6.6	10	17.00	12.1	3.24	16.25
K973179		0.24	7.50	11.4	1870	1.25	0.49	2.64	0.74	51.1	6.3	8	13.15	17.2	3.37	16.40
K973180		0.48	7.09	15.3	1780	1.53	0.35	2.74	0.23	47.2	6.9	9	16.15	9.4	2.94	15.35



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Project: Klaza

**CERTIFICATE OF ANALYSIS WH12026543**

Sample Description	Method Analyte Units LOR	ME-MS61 Ge ppm 0.05	ME-MS61 Hf ppm 0.1	ME-MS61 In ppm 0.005	ME-MS61 K % 0.01	ME-MS61 La ppm 0.5	ME-MS61 Li ppm 0.2	ME-MS61 Mg % 0.01	ME-MS61 Mn ppm 5	ME-MS61 Mo ppm 0.05	ME-MS61 Na % 0.01	ME-MS61 Nb ppm 0.1	ME-MS61 Ni ppm 0.2	ME-MS61 P ppm 10	ME-MS61 Pb ppm 0.5	ME-MS61 Rb ppm 0.1
K270439		0.12	1.3	0.133	3.28	25.5	21.9	0.47	1470	8.94	0.08	7.9	2.2	540	2470	194.0
K270440		0.12	1.5	0.052	3.02	20.2	8.2	0.64	629	0.69	1.87	8.8	2.3	550	26.0	127.5
K973110		0.12	1.3	0.064	3.05	20.2	69.3	0.79	1420	1.34	0.13	8.8	2.3	570	39.0	121.5
K973111		0.11	1.0	5.32	2.48	26.9	42.5	0.62	1540	28.8	0.04	6.4	2.0	480	>10000	141.5
K973112		0.11	1.2	0.067	2.76	18.4	93.0	0.69	1080	2.27	0.05	8.3	2.3	610	79.7	99.2
K973113		0.09	1.2	0.135	2.32	21.5	178.5	0.64	1620	5.02	0.04	8.2	2.2	590	3200	102.0
G006291		1.01	0.6	7.45	0.41	7.7	8.0	0.83	386	40.0	0.02	1.6	53.1	400	>10000	15.6
K973115		0.13	1.1	0.049	2.78	20.5	76.4	0.62	658	2.44	1.20	8.4	2.3	580	29.1	99.4
K973120		0.14	1.2	0.146	3.03	19.6	97.5	0.63	982	1.65	0.16	8.2	2.1	560	180.0	129.5
K973121		0.18	0.9	0.319	2.27	27.3	40.2	0.75	1740	11.85	0.03	6.8	2.6	470	1615	131.0
K973123		0.13	1.2	0.051	2.94	20.5	59.2	0.51	469	0.83	1.30	8.4	2.2	590	24.6	120.0
K973155		0.18	4.1	0.038	2.44	37.7	93.8	1.09	793	0.99	0.03	11.8	7.9	1370	21.1	85.7
K973156		0.17	1.6	1.265	2.17	20.8	52.4	0.51	1760	12.40	0.04	7.1	4.2	580	1910	142.5
K973157		0.11	1.2	0.097	2.08	21.7	114.5	0.55	995	20.1	0.04	9.2	2.5	580	34.4	90.0
K973158		0.15	4.4	0.053	2.33	24.0	152.0	0.72	783	1.91	0.04	13.1	6.7	1260	27.0	64.8
K973159		0.19	1.0	2.63	2.41	18.1	20.7	0.35	571	17.50	0.03	3.6	2.8	390	>10000	159.0
K973160		0.15	1.0	0.127	3.38	26.7	37.7	0.71	1640	1.75	0.04	4.8	2.3	570	398	214
K973161		0.20	1.1	0.211	3.52	17.9	13.2	0.52	640	9.90	0.04	5.6	3.2	520	3310	215
K272040		<0.05	<0.1	0.005	0.05	0.8	1.4	13.00	185	0.12	0.01	0.4	1.1	210	1.7	2.3
K973162		0.13	1.2	0.088	2.63	22.9	81.0	0.78	777	0.50	0.05	7.3	2.0	610	34.7	135.5
K973164		0.14	1.2	0.154	1.96	20.7	53.1	0.59	684	3.42	0.12	9.5	2.4	640	116.5	86.4
K973165		0.22	1.0	0.599	3.10	26.1	18.4	0.59	1150	16.95	0.03	8.9	2.2	580	1655	186.0
K973166		0.15	1.1	0.138	2.78	21.3	66.0	0.67	979	1.02	0.16	7.7	2.9	570	208	126.5
K973167		0.13	1.1	0.142	2.30	18.8	144.5	0.61	730	0.63	0.05	7.5	2.4	590	51.1	92.8
K973168		0.19	1.0	0.178	3.03	41.4	27.6	0.66	956	0.91	0.05	7.9	2.2	600	33.1	199.0
G006292		0.15	0.6	13.90	2.32	14.1	11.7	0.69	608	44.4	2.63	7.9	11.9	830	9520	66.4
K973169		0.23	0.9	1.350	3.19	52.6	19.1	0.65	1140	11.30	0.04	6.7	2.5	510	1190	201
K973171		0.15	1.0	0.194	2.82	34.5	19.1	0.73	1020	3.23	0.04	6.3	2.1	430	326	177.0
K973172		0.16	1.0	0.277	3.09	19.9	15.7	0.80	2180	5.31	0.03	7.6	2.2	540	992	202
K973173		0.16	1.1	0.159	3.02	18.8	136.5	0.83	1160	1.71	0.04	7.9	2.3	550	416	168.0
K973174		0.16	1.0	0.147	3.24	27.3	37.3	0.72	1390	1.84	0.03	7.6	2.3	550	482	198.0
K973175		0.19	1.0	0.673	3.12	24.8	56.7	0.56	1090	1.40	0.03	7.8	2.2	530	392	192.5
K973176		0.18	1.1	0.902	3.12	27.7	39.0	0.67	1420	0.80	0.04	8.1	2.2	550	929	183.0
K973178		0.15	1.2	0.078	2.74	21.9	34.8	0.67	587	0.78	1.37	9.5	2.4	610	27.6	108.5
K973179		0.16	1.2	0.087	2.77	23.0	36.2	0.71	587	0.66	0.65	9.4	2.3	620	64.9	97.2
K973180		0.15	1.2	0.074	2.69	21.2	59.2	0.78	770	0.85	1.44	9.1	2.2	560	22.4	95.9



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**CERTIFICATE OF ANALYSIS WH12026543**

Sample Description	Method Analyte Units LOR	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 0.2	ME-MS61 Ti % 0.005	ME-MS61 Ti ppm 0.02	ME-MS61 U ppm 0.1	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1
K270439		<0.002	3.66	46.3	10.2	1	4.8	66.4	0.72	1.49	12.8	0.223	2.96	5.4	63	4.4
K270440		<0.002	0.85	2.33	9.8	1	2.2	306	0.86	0.15	11.4	0.229	1.60	5.1	66	0.9
K973110		<0.002	0.40	17.40	9.8	1	2.4	134.5	0.70	<0.05	10.8	0.236	2.75	5.3	68	3.3
K973111		0.002	3.01	360	8.1	2	8.1	139.0	0.53	0.07	11.6	0.196	2.66	12.1	54	4.3
K973112		<0.002	0.36	17.30	9.8	1	2.5	143.0	0.65	0.05	10.1	0.248	2.59	6.5	69	3.9
K973113		<0.002	1.33	50.4	10.5	1	3.3	147.5	0.65	<0.05	11.4	0.238	2.29	3.8	65	4.9
G006291		0.035	>10.0	270	2.6	219	122.5	39.0	0.09	0.86	1.2	0.041	35.0	4.4	59	1.9
K973115		<0.002	0.10	8.76	10.1	1	2.0	284	0.68	0.09	10.8	0.250	1.58	4.1	67	2.3
K973120		<0.002	0.28	16.40	10.5	<1	2.7	133.5	0.70	0.08	12.0	0.245	2.09	4.4	68	3.9
K973121		<0.002	2.87	96.1	10.5	1	3.5	81.1	0.52	0.09	11.3	0.213	2.45	9.6	65	6.7
K973123		<0.002	0.07	7.12	10.4	1	1.7	282	0.70	0.08	11.3	0.255	1.50	3.7	68	1.5
K973155		<0.002	0.10	13.80	7.5	<1	1.8	890	0.76	0.06	9.4	0.359	1.50	3.9	69	1.9
K973156		<0.002	4.41	82.6	6.4	2	5.9	378	0.50	0.33	9.5	0.197	2.12	4.5	48	3.6
K973157		0.003	0.50	15.15	9.5	1	3.5	167.0	0.74	0.24	13.3	0.255	1.89	4.5	68	4.5
K973158		<0.002	0.09	22.9	6.1	1	2.2	1300	0.81	0.65	8.0	0.356	1.58	7.7	67	3.9
K973159		<0.002	6.92	73.1	6.4	2	5.7	65.9	0.30	0.84	9.7	0.122	2.51	2.8	48	5.2
K973160		<0.002	3.21	7.95	9.7	1	2.5	53.2	0.42	0.61	14.6	0.178	3.17	3.2	56	4.4
K973161		<0.002	6.54	30.9	8.6	1	9.3	34.8	0.45	0.81	12.2	0.172	3.22	3.1	86	5.9
K272040		<0.002	0.01	0.08	0.5	<1	<0.2	47.6	<0.05	0.06	0.2	<0.005	<0.02	0.6	3	0.1
K973162		<0.002	1.74	10.50	10.0	1	2.2	128.5	0.61	0.70	13.2	0.224	2.39	3.8	67	2.7
K973164		<0.002	1.71	13.60	10.7	1	2.5	115.0	0.80	0.41	13.2	0.268	1.61	4.1	69	3.3
K973165		<0.002	6.61	25.3	14.2	2	6.8	51.8	0.59	0.51	11.1	0.273	3.15	3.4	89	4.5
K973166		<0.002	2.33	10.00	9.6	1	4.0	137.0	0.62	0.53	11.9	0.230	2.30	3.2	69	2.9
K973167		<0.002	2.19	12.90	9.7	1	2.2	153.5	0.60	0.94	11.0	0.227	1.92	4.0	77	3.4
K973168		<0.002	4.46	5.52	9.6	2	4.4	59.0	0.61	0.91	14.3	0.210	2.74	6.2	125	3.1
G006292		0.025	1.65	154.0	6.4	4	334	686	0.45	0.13	5.0	0.232	3.68	1.1	79	20.7
K973169		<0.002	7.62	194.0	8.8	2	11.6	91.3	0.51	1.27	12.7	0.204	2.55	12.4	105	5.0
K973171		<0.002	2.19	19.10	7.5	1	3.8	62.2	0.57	0.53	16.6	0.174	2.48	5.6	62	2.9
K973172		<0.002	2.75	19.70	9.7	1	5.0	65.4	0.55	0.52	9.8	0.235	3.14	7.9	65	4.2
K973173		<0.002	1.97	16.05	9.5	1	4.2	119.5	0.61	0.53	11.0	0.235	2.52	7.0	65	3.1
K973174		<0.002	1.94	25.5	9.5	1	3.6	109.5	0.58	0.26	11.9	0.233	2.93	8.2	67	4.3
K973175		<0.002	3.64	78.9	9.3	1	6.5	91.3	0.60	0.30	12.3	0.233	2.78	5.2	65	4.9
K973176		<0.002	3.25	35.4	9.5	1	4.9	79.4	0.64	0.43	14.5	0.237	2.66	7.4	68	3.2
K973178		<0.002	0.80	7.57	10.0	1	2.3	255	0.72	0.32	12.0	0.269	1.45	3.8	72	2.4
K973179		<0.002	0.63	5.44	9.9	1	2.5	188.0	0.73	0.14	13.2	0.268	1.37	3.7	73	2.6
K973180		<0.002	0.42	4.61	8.9	1	1.8	288	0.75	0.13	12.8	0.251	1.44	4.3	67	2.4



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 Account: ROCKHA

Project: Klaza

**CERTIFICATE OF ANALYSIS WH12026543**

Sample Description	Method Analyte Units LOR	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5	Ag-OG62 Ag ppm 1	Cu-OG62 Cu % 0.001	Pb-OG62 Pb % 0.001	Zn-OG62 Zn % 0.001
K270439		10.5	3240	36.5				
K270440		14.1	92	41.6				
K973110		14.5	114	37.8				
K973111		11.7	>10000	27.1			1.540	2.19
K973112		12.0	147	33.0				
K973113		12.2	547	33.4				
G006291		6.7	>10000	18.4	173	1.320	1.595	9.69
K973115		14.3	66	29.7				
K973120		13.5	322	31.7				
K973121		13.7	2770	23.8				
K973123		13.8	59	34.8				
K973155		12.4	97	174.0				
K973156		9.1	6780	60.1				
K973157		13.7	96	33.7				
K973158		12.0	91	182.5				
K973159		9.7	>10000	28.6			1.135	1.455
K973160		11.5	583	29.9				
K973161		12.1	2390	30.2				
K272040		1.0	15	0.5				
K973162		14.2	96	31.6				
K973164		15.8	306	33.4				
K973165		14.6	2290	25.5				
K973166		12.9	218	28.0				
K973167		12.6	122	29.0				
K973168		12.2	47	27.0				
G006292		10.8	7800	16.9	103			
K973169		14.0	2660	25.2				
K973171		12.4	225	29.2				
K973172		13.3	1340	28.0				
K973173		14.5	436	30.1				
K973174		13.7	554	28.6				
K973175		12.6	1980	26.5				
K973176		13.9	2610	29.3				
K973178		15.9	109	33.2				
K973179		16.6	116	33.4				
K973180		15.4	62	35.3				



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Method	CERTIFICATE COMMENTS
ME-MS61	Interference: Ca>10% on ICP-MS As,ICP-AES results shown.
ME-MS61	REE's may not be totally soluble in this method.