



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: 24-JUL-2012  
Account: ROCKHA

**CERTIFICATE WH12152424**

Project: Klaza TR-12-1

P.O. No.: Batch 1

This report is for 33 Rock samples submitted to our lab in Whitehorse, YT, Canada on 4-JUL-2012.

The following have access to data associated with this certificate:

JOAN MARIACHER

HEATHER SMITH

**SAMPLE PREPARATION**

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
LOG-24	Pulp Login - Rcd w/o Barcode
SPL-22Y	Split Sample - Boyd Rotary Splitter
CRU-31	Fine crushing - 70% <2mm
PUL-QC	Pulverizing QC Test
PUL-31	Pulverize split to 85% <75 um

**ANALYTICAL PROCEDURES**

ALS CODE	DESCRIPTION	INSTRUMENT
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
Pb-OG62	Ore Grade Pb - Four Acid	VARIABLE
Zn-OG62	Ore Grade Zn - Four Acid	VARIABLE
Au-AA24	Au 50g FA AA finish	AAS
ME-MS61	48 element four acid ICP-MS	

To: **ROCKHAVEN RESOURCES LTD.**  
**ATTN: JOAN MARIACHER**  
**C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED**  
**1016 - 510 W HASTINGS STREET**  
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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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**CERTIFICATE OF ANALYSIS WH12152424**

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	Au-AA24 Au ppm	ME-MS61 Ag ppm	ME-MS61 Al %	ME-MS61 As ppm	ME-MS61 Ba ppm	ME-MS61 Be ppm	ME-MS61 Bi ppm	ME-MS61 Ca %	ME-MS61 Cd ppm	ME-MS61 Ce ppm	ME-MS61 Co ppm	ME-MS61 Cr ppm	ME-MS61 Cs ppm	ME-MS61 Cu ppm
		0.02	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
M895001		2.66	0.142	2.68	8.71	289	2090	1.65	2.38	0.29	4.43	96.5	27.9	14	17.25	95.0
M895002		3.35	0.273	2.94	8.71	338	2190	1.58	2.09	0.40	6.62	91.3	12.7	14	17.20	69.7
M895003		2.88	0.436	8.93	7.53	1430	2620	1.74	6.04	0.21	10.25	74.4	5.0	14	20.7	201
M895004		2.89	0.531	2.01	8.72	2970	1940	1.88	0.80	0.28	25.3	72.0	12.7	14	19.10	157.0
M895005		3.84	0.130	2.18	9.06	697	3310	1.88	0.53	0.41	1.12	67.5	8.4	13	17.15	52.0
M895006		3.00	0.042	1.51	8.33	418	2150	1.90	1.42	0.50	7.73	65.9	8.8	11	34.0	91.7
M895007		2.79	1.465	43.3	7.49	2070	5350	1.80	0.39	1.26	226	48.5	6.8	14	22.5	395
M895008		2.92	0.010	0.31	9.52	31.4	2290	1.89	0.23	0.42	1.12	61.7	8.1	14	23.0	15.0
M895009		2.32	0.015	1.34	8.89	56.5	2020	1.91	1.29	0.56	1.84	65.6	10.4	14	27.3	75.6
M895010		2.13	<0.005	0.17	9.23	13.1	2410	1.56	0.18	0.57	0.38	61.4	7.5	11	15.80	13.5
M895011		2.12	0.049	1.12	7.96	93.2	1720	1.72	2.05	1.56	1.68	45.6	9.9	13	26.8	28.5
M895012		2.61	<0.005	0.18	8.53	16.1	2240	1.46	0.24	1.59	0.25	44.3	7.0	12	11.85	13.0
M895013		2.20	<0.005	0.13	7.90	10.4	1990	1.84	0.16	1.25	0.23	56.9	8.3	10	12.85	16.2
M895014		2.34	<0.005	0.53	6.72	44.1	1790	1.72	0.60	2.96	1.09	43.4	9.0	10	20.0	20.8
M895015		2.44	<0.005	0.15	8.19	9.1	2190	1.75	0.15	1.25	0.18	63.2	10.8	13	12.15	16.1
M895016		2.38	<0.005	0.17	8.04	11.7	2160	1.75	0.15	1.48	0.36	68.3	8.0	15	15.65	17.3
M895017		3.32	<0.005	0.21	8.48	14.7	2140	1.54	0.23	1.26	0.41	62.1	6.8	10	17.80	15.3
M895018		2.74	0.006	0.35	7.82	16.3	2280	1.82	0.66	1.41	0.55	60.6	7.7	11	10.30	35.7
M895019		0.29	2.16	24.1	5.87	3410	1470	1.35	16.20	2.18	76.5	41.9	10.0	16	13.65	420
M895020		2.38	0.014	0.32	7.86	33.8	2130	1.71	0.23	1.08	1.57	85.0	9.8	9	14.90	17.2
M895021		2.26	0.016	0.18	7.64	25.9	2200	1.63	0.35	1.47	0.79	56.1	7.5	13	9.29	22.4
M895022		2.83	<0.005	0.12	7.81	16.8	2050	1.68	0.19	1.67	0.97	58.3	8.6	9	11.05	11.6
M895023		2.68	0.013	0.34	8.17	37.8	2460	1.85	0.27	0.87	4.11	57.0	10.2	8	22.8	12.1
M895024		2.61	0.011	0.30	8.34	33.1	2090	1.79	0.39	0.97	1.77	62.8	8.0	9	22.7	11.8
M895025		1.52	0.018	0.81	8.48	58.6	2240	1.72	0.84	0.60	7.22	61.5	11.9	10	19.75	25.6
M895026		1.87	0.019	2.62	8.53	124.5	2460	1.84	3.08	0.20	11.95	71.2	11.4	11	14.15	42.6
M895027		2.78	0.163	4.51	6.16	500	810	1.51	4.43	0.21	0.50	73.5	0.8	6	83.4	13.1
M895028		3.67	<0.005	0.02	0.09	<5	20	0.06	0.03	21.3	0.08	1.33	1.4	<1	0.27	1.9
M895029		2.43	0.012	2.93	8.34	80.5	1430	1.81	4.26	0.13	1.02	59.9	2.1	13	21.0	40.7
M895030		2.89	0.011	1.66	8.92	76.2	1210	1.93	1.18	0.24	12.00	58.8	6.9	10	33.5	55.1
M895031		1.88	0.090	3.20	8.71	121.0	1900	1.71	4.10	0.25	6.66	65.7	9.7	8	26.0	56.1
M895032		2.86	0.020	0.36	8.52	97.5	2400	1.95	0.51	0.59	12.05	74.7	14.2	14	14.90	16.6
M895033		2.34	0.036	1.44	8.48	167.5	2110	1.80	1.23	0.44	22.7	71.8	17.9	10	22.9	59.9



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**CERTIFICATE OF ANALYSIS WH12152424**

Sample Description	Method Analyte Units LOR	ME-MS61 Fe %	ME-MS61 Ga ppm	ME-MS61 Ge ppm	ME-MS61 Hf ppm	ME-MS61 In ppm	ME-MS61 K %	ME-MS61 La ppm	ME-MS61 Li ppm	ME-MS61 Mg %	ME-MS61 Mn ppm	ME-MS61 Mo ppm	ME-MS61 Na %	ME-MS61 Nb ppm	ME-MS61 Ni ppm	ME-MS61 P ppm
		0.01	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
M895001		4.74	21.1	0.20	1.2	0.331	3.39	54.6	18.7	0.36	617	5.52	0.49	9.5	3.8	570
M895002		3.46	21.6	0.17	1.4	0.206	3.26	40.2	23.9	0.33	1300	3.21	0.53	9.8	4.6	650
M895003		5.03	18.45	0.18	1.3	0.581	2.92	56.0	19.0	0.24	625	5.37	0.12	7.6	3.3	440
M895004		5.04	20.1	0.22	1.6	0.213	3.85	59.1	15.6	0.26	3680	3.11	0.07	8.6	4.4	580
M895005		3.30	21.9	0.17	1.5	0.120	3.45	35.8	25.3	0.51	893	1.98	0.14	9.4	2.9	680
M895006		3.88	19.30	0.17	1.3	0.165	3.55	39.9	17.8	0.30	1370	2.64	0.49	8.5	2.9	630
M895007		7.03	18.70	0.16	1.0	1.225	3.18	29.0	12.0	0.46	4030	3.62	0.01	6.8	2.4	530
M895008		3.59	22.1	0.15	1.5	0.081	3.13	29.9	40.2	0.41	784	1.75	0.09	10.1	3.2	750
M895009		4.02	21.1	0.18	1.2	0.194	3.16	37.2	24.3	0.21	1520	2.97	0.09	9.1	3.9	690
M895010		3.35	23.0	0.15	1.3	0.082	3.09	30.4	30.8	0.45	884	1.43	0.10	9.0	3.1	670
M895011		3.94	19.65	0.15	1.2	0.137	3.05	22.3	23.1	0.20	2940	3.31	0.05	8.5	3.8	620
M895012		2.42	19.35	0.13	1.5	0.075	3.08	21.0	36.6	0.34	537	1.58	0.09	9.8	2.5	630
M895013		3.22	19.95	0.17	1.6	0.053	2.73	28.4	25.9	0.57	513	1.01	0.56	8.6	2.9	610
M895014		2.74	18.30	0.13	1.4	0.067	2.88	19.9	24.0	0.29	1390	1.60	0.69	8.7	3.1	580
M895015		3.19	20.0	0.16	1.4	0.065	2.55	34.5	18.6	0.70	471	1.47	0.93	9.8	3.4	710
M895016		3.01	19.50	0.19	1.4	0.057	2.79	42.0	21.5	0.47	813	2.17	1.38	9.4	3.3	660
M895017		2.77	19.90	0.16	1.2	0.062	3.07	32.0	23.2	0.26	711	1.52	0.45	9.3	2.4	670
M895018		3.22	18.30	0.10	1.3	0.089	2.69	32.2	14.8	0.73	708	1.75	1.82	9.0	3.0	690
M895019		6.68	14.20	0.10	0.9	1.620	2.55	22.5	23.6	0.90	1820	12.45	0.04	5.9	13.8	440
M895020		3.45	18.30	0.12	1.2	0.065	2.56	40.7	16.3	0.78	2030	2.84	1.47	8.4	3.3	620
M895021		3.07	17.20	0.13	1.2	0.082	2.78	30.5	12.6	0.69	985	2.27	1.68	8.3	2.7	610
M895022		2.99	17.25	0.13	1.3	0.069	2.67	31.1	13.2	0.69	734	2.31	1.99	8.8	2.7	660
M895023		3.89	18.40	0.14	1.3	0.075	2.63	24.1	18.4	0.62	1200	2.65	1.00	8.9	3.6	660
M895024		3.48	18.75	0.14	1.3	0.088	2.90	34.0	20.7	0.38	1070	2.92	0.66	9.5	3.1	640
M895025		3.78	18.90	0.15	1.2	0.150	3.14	33.2	19.0	0.33	1600	4.05	0.63	8.9	3.0	660
M895026		6.26	18.40	0.15	1.1	0.602	3.72	37.7	10.8	0.27	2720	5.63	0.08	9.0	2.8	720
M895027		5.90	14.85	0.10	1.0	0.354	2.18	51.1	22.6	0.28	108	6.98	0.05	6.9	0.9	750
M895028		0.52	0.29	<0.05	<0.1	0.005	0.04	0.6	1.2	13.25	219	0.14	<0.01	0.3	<0.2	200
M895029		3.76	19.10	0.16	1.1	0.535	3.78	33.7	10.9	0.28	301	3.08	0.06	8.7	1.7	410
M895030		3.75	19.40	0.15	1.2	0.271	3.04	31.9	20.7	0.20	604	2.79	0.06	9.0	2.6	620
M895031		4.94	19.15	0.18	1.1	0.458	3.35	36.5	17.6	0.34	1440	3.73	0.11	8.5	2.9	610
M895032		4.54	18.00	0.16	1.1	0.159	3.07	35.0	17.2	0.57	2760	3.86	0.81	8.5	4.3	680
M895033		5.15	18.65	0.17	1.1	0.341	3.23	34.9	25.5	0.32	3780	4.33	0.49	8.9	3.6	660



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**CERTIFICATE OF ANALYSIS WH12152424**

Sample Description	Method Analyte Units LOR	ME-MS61 Pb ppm 0.5	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 0.2	ME-MS61 Ti % 0.005	ME-MS61 Tl ppm 0.02	ME-MS61 U ppm 0.1
M895001		156.0	206	<0.002	0.12	16.10	14.8	2	7.0	81.4	0.77	0.53	15.1	0.270	2.20	3.9
M895002		628	174.0	<0.002	0.05	25.5	13.4	2	4.3	109.5	0.88	0.08	16.9	0.269	1.59	3.2
M895003		1180	187.5	<0.002	0.20	68.7	11.9	2	8.3	92.7	0.71	0.23	15.5	0.217	2.39	5.2
M895004		137.0	236	<0.002	0.04	24.6	13.0	2	4.0	53.5	0.87	0.11	17.3	0.256	2.71	5.9
M895005		121.0	178.0	<0.002	0.04	18.70	13.9	2	2.6	72.5	0.85	0.06	17.6	0.267	1.98	2.6
M895006		111.5	195.0	<0.002	0.05	31.9	12.6	2	5.2	78.6	0.76	0.08	16.1	0.257	1.99	3.1
M895007		>10000	181.0	<0.002	0.57	40.4	11.8	3	5.4	77.2	0.61	0.05	14.2	0.221	3.09	7.3
M895008		50.5	149.5	<0.002	0.01	9.17	13.9	1	2.5	62.0	0.90	<0.05	18.3	0.298	1.53	3.1
M895009		130.5	160.5	<0.002	0.18	26.9	13.4	2	2.6	43.0	0.79	0.12	16.3	0.282	2.06	4.3
M895010		23.1	147.5	<0.002	0.01	10.15	14.8	2	2.5	69.8	0.79	<0.05	18.5	0.261	1.51	2.7
M895011		47.8	138.0	<0.002	0.32	17.30	12.2	2	2.4	45.2	0.74	0.11	11.9	0.266	2.28	3.4
M895012		21.6	130.5	<0.002	0.02	16.00	11.6	1	2.3	86.0	0.95	<0.05	14.9	0.261	1.47	2.0
M895013		19.6	119.0	<0.002	0.01	11.80	12.9	2	1.9	112.5	0.86	<0.05	17.3	0.228	1.23	2.0
M895014		101.5	110.0	<0.002	0.14	9.22	10.4	2	1.9	137.5	0.80	0.21	11.7	0.240	1.89	2.8
M895015		20.5	119.0	<0.002	0.01	13.05	14.5	1	2.2	148.5	0.87	<0.05	19.0	0.256	1.11	1.9
M895016		26.9	136.5	<0.002	0.02	9.60	13.3	2	1.9	241	0.82	<0.05	17.8	0.261	1.40	2.6
M895017		24.8	153.5	<0.002	0.03	14.85	12.4	2	2.0	98.5	0.81	<0.05	16.1	0.278	1.32	2.3
M895018		28.4	114.5	<0.002	0.04	5.21	14.2	1	1.9	298	0.72	0.06	13.9	0.269	1.10	2.0
M895019		2730	158.0	0.002	4.72	90.4	7.7	1	7.7	91.3	0.46	0.37	9.0	0.177	2.20	4.6
M895020		29.1	114.5	<0.002	0.01	7.14	13.7	2	1.7	246	0.72	<0.05	17.4	0.245	1.06	2.6
M895021		23.6	124.0	<0.002	0.03	4.82	12.1	1	2.2	279	0.66	<0.05	14.4	0.252	1.26	2.1
M895022		20.2	114.0	<0.002	0.03	4.25	12.7	1	1.9	306	0.72	<0.05	17.1	0.260	1.17	2.4
M895023		38.3	119.0	<0.002	0.01	5.98	13.8	1	2.0	261	0.76	0.05	14.4	0.264	1.29	2.8
M895024		35.6	142.0	<0.002	0.06	13.65	12.5	1	2.1	124.5	0.79	0.05	15.3	0.280	1.63	2.9
M895025		156.0	157.0	<0.002	0.14	10.80	12.2	1	2.4	112.5	0.70	0.17	14.4	0.276	2.01	3.8
M895026		252	248	<0.002	0.23	9.77	12.7	1	3.7	46.1	0.72	0.50	15.3	0.286	3.54	5.4
M895027		571	154.0	0.002	0.17	43.9	6.9	1	4.6	126.0	0.56	0.84	9.9	0.219	2.19	4.2
M895028		2.0	1.9	<0.002	0.02	0.07	0.5	1	<0.2	45.7	<0.05	<0.05	<0.2	<0.005	<0.02	0.6
M895029		282	251	<0.002	0.20	11.50	11.0	1	3.3	27.6	0.66	0.37	14.9	0.267	3.44	3.5
M895030		136.0	151.0	<0.002	0.14	15.60	9.6	1	2.2	48.4	0.72	0.17	17.5	0.287	2.26	5.4
M895031		241	187.5	<0.002	0.29	16.00	12.0	1	3.9	61.3	0.64	0.82	14.4	0.282	2.54	4.1
M895032		33.8	140.5	<0.002	0.06	8.27	12.4	1	2.2	127.5	0.68	0.08	15.3	0.275	1.66	3.8
M895033		147.0	161.5	<0.002	0.12	10.20	11.7	1	3.0	113.5	0.70	0.18	14.7	0.285	2.10	4.6



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 LIMITED  
 1016 - 510 W HASTINGS STREET  
 VANCOUVER BC V6B 1L8

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 Finalized Date: 24-JUL-2012  
 Account: ROCKHA

Project: Klaza TR-12-1

**CERTIFICATE OF ANALYSIS WH12152424**

Sample Description	Method Analyte Units LOR	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5	Pb-OG62 Pb % 0.001	Zn-OG62 Zn % 0.001
M895001		81	4.8	22.0	346	31.0		
M895002		76	5.4	18.9	469	37.8		
M895003		69	3.8	23.4	984	31.8		
M895004		78	5.2	45.6	1380	36.1		
M895005		80	12.7	21.4	142	37.3		
M895006		76	2.8	25.6	354	32.8		
M895007		70	8.9	19.7	>10000	23.2	1.505	1.180
M895008		89	6.9	15.5	173	36.9		
M895009		84	2.6	24.2	215	30.7		
M895010		80	5.2	19.2	82	32.5		
M895011		82	3.0	19.0	207	28.1		
M895012		67	12.1	16.5	46	36.0		
M895013		73	9.7	18.9	54	37.3		
M895014		70	4.2	19.2	130	33.3		
M895015		79	16.1	15.3	52	37.4		
M895016		74	3.1	24.1	62	34.1		
M895017		78	3.7	21.1	72	31.9		
M895018		79	2.6	18.4	88	33.6		
M895019		55	5.1	9.2	5070	25.2		
M895020		71	3.5	29.8	138	33.4		
M895021		72	2.4	17.9	95	31.3		
M895022		72	2.1	17.5	97	34.2		
M895023		77	3.5	17.5	281	35.8		
M895024		77	3.2	20.1	143	34.8		
M895025		76	3.3	18.7	504	32.0		
M895026		80	3.1	15.5	891	28.0		
M895027		64	4.5	6.0	234	31.1		
M895028		3	0.1	0.9	15	<0.5		
M895029		72	2.5	8.0	440	31.1		
M895030		77	1.4	10.4	518	31.9		
M895031		79	2.7	13.9	446	27.3		
M895032		77	2.6	22.7	498	28.5		
M895033		78	2.3	18.0	1220	26.0		



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To: ROCKHAVEN RESOURCES LTD.  
C/O ARCHER, CATHRO & ASSOCIATES (1981)  
LIMITED  
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Method	CERTIFICATE COMMENTS
ME-MS61 ME-MS61	Interference: Ca>10% on ICP-MS As,ICP-AES results shown. REE's may not be totally soluble in this method.