



ALS Canada Ltd.  
2103 Dollarton Hwy  
North Vancouver BC V7H 0A7  
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **ROCKHAVEN RESOURCES LTD.**  
**C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED**  
**1016 - 510 W HASTINGS STREET**  
**VANCOUVER BC V6B 1L8**

Page: 1  
Finalized Date: 12-AUG-2012  
Account: ROCKHA

**CERTIFICATE WH12174367**

Project: Klaza TR-12-36

P.O. No.: Batch 11

This report is for 25 Rock samples submitted to our lab in Whitehorse, YT, Canada on 25-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
CRU-QC	Crushing QC Test
CRU-31	Fine crushing - 70% <2mm
PUL-QC	Pulverizing QC Test
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um

**ANALYTICAL PROCEDURES**

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
ME-MS61	48 element four acid ICP-MS	

To: **ROCKHAVEN RESOURCES LTD.**  
**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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**CERTIFICATE OF ANALYSIS WH12174367**

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
N815263		4.32	0.029	0.32	7.93	6.3	1190	1.54	0.20	1.58	1.17	53.6	9.4	13	10.50	23.7
N815264		5.28	0.008	0.19	8.05	199.5	1250	1.83	0.19	1.14	0.18	54.4	10.9	11	13.90	10.1
N815265		5.11	<0.005	0.18	8.05	95.3	1450	1.67	1.16	0.86	0.13	57.0	12.7	12	16.20	10.8
N815266		5.00	0.006	0.37	8.07	213	1080	1.75	0.08	0.43	0.25	43.3	10.5	13	22.5	10.7
N815267		5.64	<0.005	0.17	8.24	53.9	1420	1.79	0.41	0.71	0.22	41.8	9.6	14	18.20	29.2
N815268		4.25	<0.005	0.16	8.34	57.7	1220	1.50	0.14	0.87	0.19	54.2	9.1	12	17.60	7.4
N815269		5.09	0.101	1.13	7.21	811	1450	1.73	0.55	0.38	0.48	43.5	11.0	19	19.10	47.3
N815270		4.67	<0.005	0.20	8.12	126.5	1300	1.98	0.21	1.07	0.20	50.4	9.7	29	26.4	14.0
N815271		5.44	0.297	6.85	7.06	1155	1210	1.66	1.53	0.79	2.00	40.9	8.4	12	28.2	119.5
N815272		5.04	0.006	0.19	8.35	49.7	1560	1.70	0.64	1.46	0.25	54.1	13.6	13	22.7	18.8
N815273		4.52	<0.005	0.14	8.17	25.3	1130	1.64	0.11	0.41	0.14	51.3	11.9	11	19.60	20.5
N815274		5.16	<0.005	0.16	7.83	13.2	1240	1.61	0.24	1.34	0.12	42.5	8.8	13	25.2	15.5
N815275		4.51	<0.005	0.22	7.34	15.6	1300	1.57	0.61	0.94	0.11	42.1	9.0	12	13.90	26.2
N815276		4.81	0.079	1.24	7.32	297	1060	1.56	2.17	1.04	2.22	38.9	10.6	12	22.3	18.0
N815277		5.41	0.177	3.06	7.56	495	860	1.33	1.08	0.24	2.25	39.9	8.1	17	16.95	87.3
N815278		4.55	0.014	0.69	7.67	147.0	2690	1.55	0.50	0.45	0.64	41.3	9.0	12	25.9	38.8
N815279		5.07	0.009	0.48	7.98	68.4	1170	1.72	0.42	0.55	0.61	48.4	10.4	16	26.2	38.0
N815280		3.71	<0.005	0.04	0.08	<5	30	<0.05	0.05	20.4	0.07	1.22	0.6	2	0.26	2.0
N815281		5.48	0.043	1.85	7.18	501	1250	1.59	0.61	0.40	1.91	38.9	11.1	13	24.3	45.4
N815282		4.35	0.326	25.2	6.88	768	1050	1.28	1.89	0.38	4.57	39.2	9.4	12	17.10	313
N815283		5.54	0.077	1.56	7.39	677	1770	1.55	0.19	1.42	2.32	34.7	10.1	14	23.7	39.6
N815284		4.23	0.111	1.83	7.89	948	1160	1.52	0.65	1.02	3.18	41.3	11.9	12	15.95	19.5
N815285		5.38	0.062	1.01	8.37	788	1040	1.72	0.18	0.36	3.17	45.3	10.8	18	25.4	39.8
N815286		0.24	1.340	37.3	7.99	535	1260	2.05	1.38	0.31	31.5	78.7	6.2	19	3.42	139.5
N815287		4.50	0.008	0.41	8.16	67.2	1210	1.46	0.23	0.79	0.53	50.7	9.5	13	20.8	21.6





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Account: ROCKHA

Project: Klaza TR-12-36

**CERTIFICATE OF ANALYSIS WH12174367**

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
N815263		3.29	17.90	0.12	0.7	0.048	1.95	26.0	22.2	0.88	744	1.72	1.61	8.4	6.3	570
N815264		3.13	19.15	0.14	0.9	0.030	2.44	29.2	18.9	0.80	1480	2.70	1.98	9.3	6.2	520
N815265		3.59	18.55	0.15	0.8	0.041	2.06	32.0	24.9	0.71	1180	2.38	1.90	8.4	6.1	570
N815266		3.17	19.80	0.16	0.8	0.030	2.77	24.3	23.0	0.35	1140	3.03	0.59	8.7	6.3	570
N815267		3.19	19.90	0.15	0.8	0.030	2.40	22.3	39.7	0.35	912	2.37	0.26	9.1	5.5	580
N815268		3.06	19.80	0.15	0.8	0.032	2.27	29.7	22.2	0.40	957	2.27	1.03	8.9	5.6	590
N815269		3.25	18.30	0.16	0.8	0.050	2.96	29.0	18.3	0.28	3840	7.33	0.35	7.6	6.5	500
N815270		3.16	19.75	0.16	0.8	0.032	2.58	25.8	13.2	0.35	1020	3.52	1.39	8.0	6.3	570
N815271		3.82	16.80	0.15	0.8	0.097	2.57	26.7	22.6	0.29	3810	9.64	0.39	7.4	5.0	500
N815272		3.93	19.45	0.16	0.9	0.047	2.25	29.2	36.7	0.65	1140	2.01	1.63	8.6	8.2	860
N815273		3.39	19.85	0.14	0.7	0.033	2.15	26.4	37.5	0.25	872	2.07	0.89	8.2	6.7	560
N815274		3.14	16.80	0.11	0.6	0.043	2.42	20.7	36.0	0.33	785	2.63	0.51	7.7	5.2	530
N815275		3.22	16.25	0.11	0.7	0.062	2.65	20.4	46.7	0.24	1280	7.57	0.47	7.6	5.2	520
N815276		3.78	17.80	0.11	0.6	0.121	3.06	20.1	13.3	0.26	4280	36.2	0.14	6.5	6.0	460
N815277		4.18	16.05	0.13	0.7	0.137	3.17	21.3	9.8	0.25	4150	7.23	0.07	7.9	5.7	470
N815278		3.46	17.10	0.09	0.5	0.042	3.04	19.6	21.2	0.31	2380	3.94	0.12	7.0	5.9	510
N815279		3.46	17.60	0.12	0.6	0.050	2.19	22.8	39.0	0.28	1360	2.64	0.32	8.1	6.2	580
N815280		0.47	0.23	0.09	<0.1	0.009	0.03	0.5	1.1	12.75	218	0.14	0.01	0.2	2.1	160
N815281		3.58	14.80	0.11	0.5	0.128	2.65	20.3	29.9	0.27	4850	4.86	0.03	6.9	6.0	490
N815282		5.11	16.15	0.11	0.5	0.296	2.91	19.2	18.1	0.24	4480	7.61	0.07	6.3	5.3	400
N815283		3.44	15.85	0.10	0.6	0.055	3.16	16.8	17.1	0.32	3500	3.28	0.06	6.9	6.8	490
N815284		4.82	16.70	0.10	0.5	0.110	3.09	19.0	21.3	0.27	5310	4.23	0.16	7.5	5.5	610
N815285		3.58	18.35	0.14	0.7	0.040	3.07	22.9	28.9	0.27	3060	4.59	0.27	8.2	7.0	600
N815286		5.94	24.5	0.20	2.4	0.238	3.56	34.9	26.3	0.30	1070	5.44	0.08	12.9	7.7	1800
N815287		3.26	17.40	0.13	0.7	0.030	2.35	26.2	58.1	0.19	1220	2.57	0.42	8.3	5.5	590





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**CERTIFICATE OF ANALYSIS WH12174367**

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
N815263		36.8	88.8	<0.002	0.02	4.79	13.5	1	2.0	273	0.79	<0.05	13.1	0.295	0.71	1.9
N815264		17.4	139.0	<0.002	<0.01	5.24	13.4	1	1.4	266	0.95	<0.05	15.7	0.274	1.33	2.3
N815265		16.3	130.5	<0.002	0.02	4.58	13.7	1	4.6	211	0.80	0.05	14.2	0.292	1.40	2.4
N815266		23.4	159.0	<0.002	0.02	11.70	14.7	1	1.4	114.0	0.85	<0.05	14.2	0.292	2.02	2.7
N815267		16.1	122.0	<0.002	0.03	9.50	13.9	1	1.7	97.3	0.90	<0.05	13.7	0.306	1.34	2.2
N815268		20.2	115.0	<0.002	0.03	6.87	14.1	1	1.4	183.0	0.79	<0.05	15.9	0.301	1.17	2.4
N815269		146.0	199.0	<0.002	0.08	20.1	14.4	1	1.4	86.6	0.72	<0.05	12.4	0.261	2.35	2.7
N815270		19.9	145.0	<0.002	0.02	6.70	15.2	1	1.4	221	0.75	<0.05	12.9	0.294	1.53	2.3
N815271		1110	163.0	<0.002	0.10	37.4	13.3	1	1.3	112.0	0.71	<0.05	12.3	0.255	1.73	2.5
N815272		26.0	121.0	<0.002	0.01	6.50	16.8	1	1.7	308	0.72	<0.05	11.7	0.372	1.29	2.3
N815273		23.7	121.0	<0.002	0.01	13.75	14.4	1	1.5	138.5	0.76	<0.05	13.7	0.292	1.19	2.3
N815274		16.4	115.5	<0.002	0.04	10.45	11.3	1	1.2	117.5	0.61	<0.05	11.6	0.286	1.56	1.6
N815275		15.0	143.0	<0.002	0.10	13.90	11.5	1	1.3	108.0	0.61	<0.05	10.8	0.291	2.11	1.9
N815276		141.5	153.5	0.002	0.48	66.2	10.4	1	1.4	95.7	0.53	0.07	9.6	0.252	2.26	2.3
N815277		88.4	175.5	0.002	0.17	140.5	12.4	1	1.8	46.5	0.61	<0.05	11.5	0.295	2.62	2.2
N815278		16.5	199.0	0.003	0.11	23.2	11.7	1	1.5	66.9	0.52	<0.05	10.2	0.267	2.66	2.0
N815279		35.0	126.5	<0.002	0.06	18.10	13.4	1	1.7	92.2	0.60	<0.05	11.2	0.320	1.83	2.2
N815280		1.5	1.5	<0.002	0.02	0.19	0.2	1	0.2	43.1	<0.05	<0.05	0.2	<0.005	0.03	0.6
N815281		121.5	169.0	0.002	0.21	35.1	11.6	1	1.8	59.7	0.51	<0.05	9.6	0.276	2.92	2.1
N815282		518	160.0	<0.002	0.27	168.5	11.4	<1	2.0	69.2	0.45	<0.05	8.8	0.242	2.44	2.9
N815283		73.0	157.5	<0.002	0.10	38.2	10.9	1	1.3	71.3	0.54	<0.05	9.9	0.269	2.30	2.0
N815284		125.5	158.0	<0.002	0.56	58.5	12.5	1	1.6	89.5	0.57	<0.05	10.3	0.306	2.36	2.4
N815285		72.5	172.5	<0.002	0.06	29.7	13.6	1	1.5	78.1	0.65	<0.05	12.3	0.312	3.04	2.4
N815286		3990	177.0	0.008	0.62	66.9	16.1	4	20.6	404	0.77	0.27	7.5	0.462	2.21	3.6
N815287		25.0	122.0	<0.002	0.02	17.00	12.3	<1	1.5	102.5	0.64	<0.05	13.2	0.303	1.73	2.1





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**CERTIFICATE OF ANALYSIS    WH12174367**

Sample Description	Method Analyte Units LOR	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
		V	W	Y	Zn	Zr
		ppm 1	ppm 0.1	ppm 0.1	ppm 2	ppm 0.5
N815263		96	5.7	13.3	135	13.3
N815264		86	1.7	15.9	67	16.2
N815265		93	3.4	18.7	66	15.6
N815266		97	3.5	21.0	71	15.2
N815267		96	4.8	18.1	64	15.1
N815268		97	1.5	17.1	62	16.2
N815269		93	1.7	26.9	74	16.1
N815270		105	1.6	16.5	62	15.5
N815271		86	1.9	24.0	197	13.8
N815272		135	1.8	19.2	80	19.3
N815273		95	3.0	17.1	66	13.9
N815274		94	2.2	13.4	72	13.0
N815275		96	1.9	13.2	81	13.7
N815276		111	3.1	15.7	238	14.4
N815277		91	2.9	16.9	235	14.3
N815278		97	2.1	13.9	92	11.6
N815279		101	2.7	15.1	112	11.5
N815280		2	0.1	0.8	15	<0.5
N815281		90	2.7	14.7	252	11.1
N815282		91	1.6	13.1	489	10.1
N815283		92	1.6	11.5	192	10.9
N815284		97	1.9	11.7	262	10.7
N815285		99	3.8	16.1	215	14.3
N815286		145	4.1	20.1	2500	68.7
N815287		95	1.7	14.0	75	14.9

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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.