



1020 Cordova St. East Vancouver BC V6A 4A3 Canada

Acme Analytical Laboratories (Vancouver) Ltd.

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Client: Keno Hill Exploration
PO Box 15
Keno City YT Y0B 1M0 Canada

Submitted By: Lauren Blackburn
Receiving Lab: Canada-Whitehorse
Received: September 22, 2010
Report Date: October 12, 2010
Page: 1 of 2

CERTIFICATE OF ANALYSIS

WHI10000565.1

CLIENT JOB INFORMATION

Project: Roop L
Shipment ID:
P.O. Number
Number of Samples: 20

SAMPLE DISPOSAL

DISP-PLP Dispose of Pulp After 90 days
DISP-RJT Dispose of Reject After 90 days

Acme does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

Invoice To: Keno Hill Exploration
PO Box 15
Keno City YT Y0B 1M0
Canada

CC: Keno Hill

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
SS80	20	Dry at 60C sieve 100g to -80 mesh			WHI
Dry at 60C	20	Dry at 60C			WHI
RJSV	20	Saving all or part of Soil Reject			WHI
1DX1	20	1:1:1 Aqua Regia digestion ICP-MS analysis	0.5	Completed	VAN

ADDITIONAL COMMENTS



This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only. All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of analysis only. ** asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.



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Project: Roop L
 Report Date: October 12, 2010

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CERTIFICATE OF ANALYSIS

WHI10000565.1

Method	Analyte	Unit	MDL	1DX Mo	1DX Cu	1DX Pb	1DX Zn	1DX Ag	1DX Ni	1DX Co	1DX Mn	1DX Fe	1DX As	1DX U	1DX Au	1DX Th	1DX Sr	1DX Cd	1DX Sb	1DX Bi	1DX V	1DX Ca	1DX P
				ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
				0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
L-Z20	Soil			2.0	35.9	16.2	56	0.5	20.4	9.6	325	1.66	7.8	52.8	<0.5	3.2	25	0.5	0.4	0.3	28	0.28	0.045
L-Z21	Soil			1.4	36.0	14.8	55	<0.1	30.8	9.2	174	2.84	12.3	1.1	15.4	4.1	7	<0.1	0.6	0.2	45	0.06	0.020
L-Z22	Soil			1.3	3.8	16.3	12	0.2	3.6	1.5	36	1.09	2.3	2.0	1.5	1.1	3	<0.1	0.2	0.4	46	0.03	0.019
L-Z23	Soil			2.9	5.9	11.1	27	<0.1	6.4	2.1	65	2.19	9.3	2.8	<0.5	2.7	3	<0.1	0.6	0.3	60	0.02	0.024
L-Z24	Soil			1.2	27.0	14.7	62	<0.1	30.2	11.6	172	2.58	12.2	0.5	1.4	4.4	8	0.2	0.7	0.2	38	0.06	0.033
L-Z25	Soil			3.9	10.0	17.6	42	0.1	13.4	6.8	109	2.41	7.8	4.2	1.0	3.6	9	<0.1	0.3	0.3	54	0.11	0.020
L-Z26	Soil			3.9	25.1	14.6	79	0.3	19.7	12.9	1220	1.91	9.3	112.9	1.5	2.5	27	0.3	0.5	0.3	30	0.68	0.069
L-Z27	Soil			1.4	10.9	13.5	37	<0.1	11.0	4.4	97	2.16	9.2	6.3	<0.5	3.5	6	<0.1	0.3	0.4	49	0.05	0.027
L-Z28	Soil			1.3	26.0	12.8	55	0.1	24.0	8.8	215	2.30	9.7	1.4	1.9	4.5	11	<0.1	0.6	0.2	37	0.11	0.039
L-Z29	Soil			3.7	26.8	18.9	78	0.3	32.9	13.0	192	3.73	20.0	3.4	<0.5	5.0	6	0.2	0.5	0.3	61	0.06	0.042
L-Z30	Soil			1.1	7.6	7.0	31	<0.1	9.7	3.6	101	1.91	5.5	1.2	<0.5	2.3	5	<0.1	0.2	0.2	39	0.05	0.017
L-Z31	Soil			0.9	25.8	10.8	47	0.1	22.3	8.4	148	2.05	8.6	0.8	1.1	4.6	7	<0.1	0.5	0.2	30	0.05	0.019
L-Z32	Soil			1.6	11.3	9.8	44	<0.1	13.4	5.6	127	2.08	8.8	1.7	1.0	3.8	6	<0.1	0.4	0.2	36	0.04	0.020
L-Z33	Soil			1.4	20.1	12.1	45	<0.1	19.1	6.9	125	2.32	10.0	1.2	1.3	5.1	6	<0.1	0.5	0.2	39	0.05	0.014
L-Z34	Soil			2.5	13.1	23.5	81	0.1	18.1	14.5	842	2.92	12.8	9.4	2.3	6.1	18	0.3	0.3	0.9	49	0.37	0.034
L-Z35	Soil			1.6	14.7	10.7	55	<0.1	16.4	6.7	183	2.26	8.9	1.1	<0.5	5.2	12	0.1	0.4	0.2	31	0.15	0.061
L-Z37	Soil			1.6	6.9	8.1	32	<0.1	7.8	2.6	62	1.04	3.9	2.5	<0.5	3.1	11	<0.1	0.2	0.1	26	0.19	0.015
L-Z38	Soil			1.9	44.4	20.3	95	0.2	36.2	12.4	307	3.42	17.6	1.2	2.4	6.5	10	0.3	0.8	0.3	51	0.05	0.031
L-Z39	Soil			2.0	23.3	16.6	90	0.3	27.3	11.6	291	3.22	15.7	0.6	0.9	3.7	8	0.4	0.6	0.3	59	0.05	0.044
L-Z40	Soil			1.9	35.8	22.1	120	0.4	30.1	11.9	1296	2.86	14.3	2.0	0.7	2.2	46	0.7	0.7	0.3	45	0.73	0.057



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Project: Roop L
 Report Date: October 12, 2010

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CERTIFICATE OF ANALYSIS

WHI10000565.1

Method	Analyte	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL		1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.05	1	0.5	0.2	
L-Z20	Soil	25	19	0.28	556	0.020	<20	1.25	0.013	0.06	<0.1	0.04	2.5	0.2	<0.05	5	0.5	<0.2
L-Z21	Soil	10	29	0.49	176	0.053	<20	1.69	0.006	0.04	0.2	0.06	2.5	0.2	<0.05	6	0.6	<0.2
L-Z22	Soil	6	8	0.09	63	0.093	<20	0.63	0.008	0.02	<0.1	0.02	0.5	<0.1	<0.05	8	<0.5	<0.2
L-Z23	Soil	9	11	0.09	55	0.044	<20	0.74	0.003	0.02	0.1	0.02	0.9	<0.1	<0.05	7	<0.5	0.3
L-Z24	Soil	11	25	0.36	191	0.024	<20	1.54	0.004	0.05	0.1	0.05	1.8	0.1	<0.05	3	<0.5	<0.2
L-Z25	Soil	12	21	0.27	214	0.059	<20	1.38	0.006	0.03	<0.1	<0.01	1.6	0.1	<0.05	7	<0.5	<0.2
L-Z26	Soil	21	17	0.30	259	0.026	<20	1.16	0.009	0.07	0.4	0.05	1.9	0.2	0.07	4	0.8	<0.2
L-Z27	Soil	12	16	0.17	146	0.018	<20	1.22	0.002	0.03	0.1	<0.01	1.3	0.1	<0.05	5	<0.5	<0.2
L-Z28	Soil	15	23	0.37	300	0.027	<20	1.25	0.005	0.04	0.1	0.03	2.0	<0.1	<0.05	3	0.6	<0.2
L-Z29	Soil	9	36	0.47	187	0.057	<20	2.49	0.006	0.12	0.2	0.02	2.5	0.2	<0.05	6	<0.5	<0.2
L-Z30	Soil	10	13	0.19	149	0.022	<20	0.88	0.003	0.02	0.2	<0.01	1.0	<0.1	<0.05	5	<0.5	<0.2
L-Z31	Soil	15	19	0.31	362	0.022	<20	1.12	0.004	0.03	0.1	0.04	1.9	<0.1	<0.05	3	<0.5	<0.2
L-Z32	Soil	14	17	0.24	155	0.019	<20	0.99	0.003	0.02	<0.1	0.02	1.3	<0.1	<0.05	3	<0.5	<0.2
L-Z33	Soil	15	21	0.28	135	0.019	<20	1.27	0.003	0.03	<0.1	0.02	1.7	<0.1	<0.05	3	<0.5	<0.2
L-Z34	Soil	12	26	0.38	262	0.040	<20	1.45	0.014	0.06	0.4	0.01	2.0	0.3	<0.05	5	<0.5	<0.2
L-Z35	Soil	14	10	0.34	158	0.032	<20	1.00	0.005	0.05	0.4	0.03	1.3	0.1	<0.05	3	<0.5	<0.2
L-Z37	Soil	15	13	0.21	163	0.016	<20	0.73	0.005	0.05	<0.1	<0.01	1.1	<0.1	<0.05	3	<0.5	<0.2
L-Z38	Soil	19	31	0.38	1211	0.023	<20	1.67	0.004	0.05	<0.1	0.20	4.5	0.1	<0.05	4	1.0	<0.2
L-Z39	Soil	12	30	0.37	531	0.019	<20	1.96	0.004	0.05	0.1	0.04	2.5	0.1	<0.05	5	<0.5	<0.2
L-Z40	Soil	9	19	0.29	868	0.009	<20	1.32	0.006	0.04	<0.1	0.14	2.4	0.1	<0.05	4	1.1	<0.2



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Project: Roop L

Report Date: October 12, 2010

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QUALITY CONTROL REPORT

WHI10000565.1

Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	
Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	
Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	
Pulp Duplicates																					
L-Z21	Soil	1.4	36.0	14.8	55	<0.1	30.8	9.2	174	2.84	12.3	1.1	15.4	4.1	7	<0.1	0.6	0.2	45	0.06	0.020
REP L-Z21	QC	1.4	34.9	13.6	54	<0.1	31.6	9.3	170	2.75	12.1	1.1	0.7	4.3	7	<0.1	0.6	0.2	45	0.06	0.020
L-Z34	Soil	2.5	13.1	23.5	81	0.1	18.1	14.5	842	2.92	12.8	9.4	2.3	6.1	18	0.3	0.3	0.9	49	0.37	0.034
REP L-Z34	QC	2.7	13.2	22.8	82	<0.1	18.3	15.1	877	3.03	13.2	9.6	<0.5	6.2	19	0.4	0.3	0.9	51	0.39	0.034
Reference Materials																					
STD DS7	Standard	20.7	103.5	68.1	402	1.0	52.0	9.3	604	2.32	56.7	4.9	56.5	4.6	74	6.9	5.8	4.5	84	0.92	0.081
STD DS7	Standard	20.5	104.6	64.0	387	1.3	54.9	9.2	575	2.18	48.9	4.3	53.2	4.1	69	6.1	4.8	4.5	81	0.85	0.079
STD OREAS45PA	Standard	0.9	576.0	17.9	115	0.3	269.5	103.2	1018	16.55	5.1	1.1	45.2	6.5	14	<0.1	0.1	0.2	189	0.22	0.034
STD OREAS45PA	Standard	0.8	599.9	17.9	114	0.3	282.2	107.1	1015	16.31	4.6	1.1	45.3	6.2	14	0.1	<0.1	0.2	210	0.22	0.037
STD DS7 Expected		20.5	109	70.6	411	0.9	56	9.7	627	2.39	48.2	4.9	70	4.4	69	6.4	4.6	4.5	84	0.93	0.08
STD OREAS45PA Expected		0.9	600	19	119	0.3	281	104	1130	16.559	4.2	1.2	43	6	14	0.09	0.13	0.18	221	0.2411	0.034
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001



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Project: Roop L

Report Date: October 12, 2010

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QUALITY CONTROL REPORT

WHI10000565.1

Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	
Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	
Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	
Pulp Duplicates																		
L-Z21	Soil	10	29	0.49	176	0.053	<20	1.69	0.006	0.04	0.2	0.06	2.5	0.2	<0.05	6	0.6	<0.2
REP L-Z21	QC	10	29	0.49	174	0.053	<20	1.66	0.006	0.05	0.1	0.02	2.5	0.1	<0.05	5	<0.5	<0.2
L-Z34	Soil	12	26	0.38	262	0.040	<20	1.45	0.014	0.06	0.4	0.01	2.0	0.3	<0.05	5	<0.5	<0.2
REP L-Z34	QC	12	26	0.39	271	0.039	<20	1.49	0.016	0.06	0.3	0.01	1.9	0.3	<0.05	5	<0.5	<0.2
Reference Materials																		
STD DS7	Standard	13	180	1.02	408	0.126	36	1.03	0.099	0.45	3.3	0.23	2.7	4.2	0.20	5	3.3	1.5
STD DS7	Standard	13	182	0.97	381	0.117	27	0.98	0.090	0.42	3.2	0.22	2.3	4.1	0.20	4	3.2	1.2
STD OREAS45PA	Standard	16	712	0.11	177	0.128	<20	3.26	0.013	0.07	<0.1	0.03	44.2	<0.1	<0.05	18	0.8	<0.2
STD OREAS45PA	Standard	16	810	0.10	178	0.118	<20	3.18	0.011	0.07	<0.1	0.03	40.8	<0.1	<0.05	17	0.8	<0.2
STD DS7 Expected		12	179	1.05	410	0.124	39	0.959	0.089	0.44	3.4	0.2	2.5	4.2	0.19	5	3.5	1.08
STD OREAS45PA Expected		16.2	873	0.095	187	0.124		3.34	0.011	0.0665	0.011	0.03	43	0.07	0.03	16.8	0.54	
BLK	Blank	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2