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Acme Analytical Laboratories (Vancouver) Ltd.
9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA
PHONE (604) 253-3158

Client: **Richards, Gordon**
6410 Holly Park Drive
Delta BC V4K 4W6 Canada

Submitted By: Gordon Richards
Receiving Lab: Canada-Vancouver
Received: August 08, 2013
Report Date: August 22, 2013
Page: 1 of 2

CERTIFICATE OF ANALYSIS

VAN13003077.1

CLIENT JOB INFORMATION

Project: LAKE
Shipment ID:
P.O. Number
Number of Samples: 1

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
R200-250	1	Crush, split and pulverize 250 g rock to 200 mesh			VAN
1DX2	1	1:1:1 Aqua Regia digestion ICP-MS analysis	15	Completed	VAN

SAMPLE DISPOSAL

DISP-PLP Dispose of Pulp After 90 days

ADDITIONAL COMMENTS

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: Richards, Gordon
6410 Holly Park Drive
Delta BC V4K 4W6
Canada

CC:



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. Results apply to samples as submitted. *** asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.



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Page: 2 of 2

Part: 1 of 2

CERTIFICATE OF ANALYSIS

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Method	WGHT	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
Analyte	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	
Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
MDL	0.01	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	
T156	Rock	0.10	0.2	9.8	2.2	15	<0.1	1.6	0.8	119	1.06	<0.5	<0.5	10.3	3	<0.1	<0.1	<0.1	4	0.03	0.005



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Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
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	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	
T156	Rock	5	3	0.10	22	0.003	<1	0.34	0.126	0.03	<0.1	0.01	0.6	<0.1	<0.05	2	<0.5	<0.2

QUALITY CONTROL REPORT

VAN13003077.1

Method	WGHT	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
Analyte	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	
Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
MDL	0.01	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	
Pulp Duplicates																					
T156	Rock	0.10	0.2	9.8	2.2	15	<0.1	1.6	0.8	119	1.06	<0.5	<0.5	10.3	3	<0.1	<0.1	<0.1	4	0.03	0.005
REP T156	QC		0.2	9.5	2.1	16	<0.1	2.0	0.9	119	1.06	0.9	<0.5	10.5	3	<0.1	<0.1	<0.1	4	0.03	0.005
Reference Materials																					
STD DS9	Standard		12.3	102.3	128.6	302	1.8	40.1	7.3	571	2.37	24.6	120.8	6.2	65	2.5	5.5	5.6	40	0.71	0.081
STD DS9 Expected			12.84	108	126	317	1.83	40.3	7.6	575	2.33	25.5	118	6.38	69.6	2.4	4.94	6.32	40	0.7201	0.0819
BLK	Blank		<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
Prep Wash																					
G1	Prep Blank		<0.1	4.4	3.9	45	<0.1	2.1	3.5	537	1.89	<0.5	<0.5	5.6	48	<0.1	<0.1	<0.1	35	0.48	0.071

QUALITY CONTROL REPORT

VAN13003077.1

Method		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
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	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
Pulp Duplicates																		
T156	Rock	5	3	0.10	22	0.003	<1	0.34	0.126	0.03	<0.1	0.01	0.6	<0.1	<0.05	2	<0.5	<0.2
REP T156	QC	5	3	0.10	21	0.003	2	0.34	0.129	0.03	<0.1	0.02	0.8	<0.1	<0.05	2	<0.5	<0.2
Reference Materials																		
STD DS9	Standard	12	111	0.62	295	0.103	3	0.93	0.081	0.40	2.8	0.22	2.2	5.1	0.17	4	5.5	4.8
STD DS9 Expected		13.3	121	0.6165	295	0.1108		0.9577	0.0853	0.395	2.89	0.2	2.5	5.3	0.1615	4.59	5.2	5.02
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
Prep Wash																		
G1	Prep Blank	10	5	0.48	162	0.101	3	0.89	0.084	0.48	<0.1	<0.01	2.0	0.3	<0.05	4	<0.5	<0.2