

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

**Client:** **Midnight Mining**  
Box 31293  
Whitehorse YT Y1A 5P7 CANADA

Submitted By: Debbie James  
Receiving Lab: Canada-Whitehorse  
Received: September 20, 2013  
Report Date: October 05, 2013  
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## CERTIFICATE OF ANALYSIS

WHI13000449.1

### CLIENT JOB INFORMATION

Project: STU  
Shipment ID: STU1  
P.O. Number  
Number of Samples: 7

### SAMPLE DISPOSAL

DISP-PLP Dispose of Pulp After 90 days  
PICKUP-RJT Client to Pickup Rejects

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: Midnight Mining  
Box 31293  
Whitehorse YT Y1A 5P7  
CANADA

CC: Bill Harris  
Sue Craig  
Jodee Bassett

### SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
Dry at 60C	7	Dry at 60C			WHI
SS80	7	Dry at 60C sieve 100g to -80 mesh			WHI
RJSV	7	Saving all or part of Soil Reject			WHI
1DX2	7	1:1:1 Aqua Regia digestion ICP-MS analysis	15	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. 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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## CERTIFICATE OF ANALYSIS

WHI13000449.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
STU0001	Soil	0.4	18.7	6.3	64	<0.1	14.0	9.4	365	3.03	7.6	<0.5	3.6	30	<0.1	0.2	<0.1	82	0.37	0.099	12
STU0002	Soil	0.4	11.0	7.3	82	<0.1	8.2	9.9	449	3.54	5.5	<0.5	3.7	17	<0.1	0.2	<0.1	86	0.48	0.211	12
STU0003	Soil	0.5	24.0	7.5	38	<0.1	12.7	6.7	201	2.33	6.4	2.08259	3.2	21	<0.1	0.2	0.1	66	0.25	0.052	18
STU0004	Soil	0.5	19.1	6.0	50	<0.1	10.3	7.4	273	2.50	6.3	1.56235	2.1	18	<0.1	0.2	<0.1	66	0.34	0.122	7
STU0005	Soil	0.7	15.7	7.4	56	<0.1	13.4	10.1	392	2.63	6.1	0.97033	4.2	23	0.1	0.3	0.1	69	0.40	0.109	13
STU0006	Soil	0.3	13.4	3.8	75	<0.1	7.0	8.9	419	3.38	3.0	<0.5	3.1	31	<0.1	<0.1	<0.1	81	0.52	0.157	9
STU0007	Soil	0.5	21.9	5.9	98	<0.1	9.6	9.8	682	3.20	4.0	<0.5	5.9	14	<0.1	0.3	<0.1	68	0.20	0.078	14

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		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
STU0001	Soil	26	0.65	238	0.086	1	2.13	0.024	0.23	<0.1	<0.01	4.6	0.1	<0.05	7	<0.5	<0.2
STU0002	Soil	17	0.80	129	0.137	<1	2.21	0.022	0.40	<0.1	0.01	3.9	0.1	<0.05	11	<0.5	<0.2
STU0003	Soil	28	0.44	181	0.082	1	1.53	0.018	0.06	0.1	<0.01	3.6	<0.1	<0.05	6	<0.5	<0.2
STU0004	Soil	20	0.52	164	0.108	<1	1.72	0.027	0.21	0.1	<0.01	2.4	<0.1	<0.05	7	<0.5	<0.2
STU0005	Soil	27	0.56	227	0.096	<1	1.95	0.022	0.13	0.1	<0.01	3.2	<0.1	<0.05	7	<0.5	<0.2
STU0006	Soil	11	0.71	233	0.104	<1	2.12	0.034	0.35	<0.1	<0.01	8.0	0.1	<0.05	9	<0.5	<0.2
STU0007	Soil	17	0.65	151	0.099	<1	2.09	0.039	0.21	<0.1	<0.01	6.0	0.2	<0.05	9	<0.5	<0.2

## QUALITY CONTROL REPORT

WHI13000449.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		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	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
Pulp Duplicates																				
STU0007	Soil	0.5	21.9	5.9	98	<0.1	9.6	9.8	682	3.20	4.0	<0.5	5.9	14	<0.1	0.3	<0.1	68	0.20	0.078
REP STU0007	QC	0.4	21.1	5.5	97	<0.1	9.7	10.0	661	2.97	3.8	0.67642	5.6	14	<0.1	0.2	<0.1	65	0.20	0.079
Reference Materials																				
STD DS10	Standard	15.6	156.6	154.3	363	2.0	79.8	14.4	893	2.82	46.0	88.9687	7.9	66	2.6	8.5	10.8	48	1.11	0.078
STD DS10 Expected		14.69	154.61	150.55	352.9	1.96	74.6	12.9	861	2.7188	43.7	91.9	7.5	67.1	2.48	9.51	11.65	43	1.0355	0.073
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

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		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		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																	
STU0007	Soil	17	0.65	151	0.099	<1	2.09	0.039	0.21	<0.1	<0.01	6.0	0.2	<0.05	9	<0.5	<0.2
REP STU0007	QC	17	0.61	151	0.095	<1	1.98	0.037	0.20	<0.1	0.01	5.6	0.1	<0.05	9	<0.5	<0.2
Reference Materials																	
STD DS10	Standard	60	0.84	367	0.086	7	1.10	0.069	0.34	3.5	0.31	2.9	4.9	0.31	5	2.5	5.3
STD DS10 Expected		54.6	0.7651	349	0.0817		1.0259	0.0638	0.3245	3.34	0.289	2.8	4.79	0.2743	4.3	2.3	4.89
BLK	Blank	<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