



Environmental Division

PRELIMINARY RESULTS

OZ MINERALS CANADA RESOURCES INC.

ATTN: ANDREW MITCHELL

200 - 1159 ALLOY DRIVE

THUNDER BAY ON P7B 6M8

Report Date: 24-AUG-09 12:30 (MT)

Version: DRAFT

Lab Work Order #: L806858

Date Received: 18-AUG-09

Project P.O. #: 09-00623

Job Reference:

Legal Site Desc:

CofC Numbers: 08-011425

Other Information:

Comments:

DRAFT

MAUREEN OLINEK
Senior Account Manager

THIS REPORT SHALL NOT BE REPRODUCED EXCEPT IN FULL WITHOUT THE WRITTEN AUTHORITY OF THE LABORATORY.
ALL SAMPLES WILL BE DISPOSED OF AFTER 30 DAYS FOLLOWING ANALYSIS. PLEASE CONTACT THE LAB IF YOU
REQUIRE ADDITIONAL SAMPLE STORAGE TIME.

ALS LABORATORY GROUP ANALYTICAL REPORT

Sample Details/Parameters		Result	Qualifier*	D.L.	Units	Extracted	Analyzed	By	Batch
L806858-1 LUP-10									
Sampled By: AM on 17-AUG-09 @ 11:54									
Matrix: WATER									
Total Metals - CCME									
Mercury (Hg) - Total									
Mercury (Hg)-Total		<0.00010		0.00010	mg/L		19-AUG-09	CLR	R912827
Total Metals in Water by ICPMS (Low)									
Aluminum (Al)-Total		0.044		0.010	mg/L		21-AUG-09	SYF	R914206
Antimony (Sb)-Total		<0.00040		0.00040	mg/L		21-AUG-09	SYF	R914206
Arsenic (As)-Total		0.00422		0.00040	mg/L		21-AUG-09	SYF	R914206
Barium (Ba)-Total		0.0146		0.0030	mg/L		21-AUG-09	SYF	R914206
Beryllium (Be)-Total		<0.0010		0.0010	mg/L		21-AUG-09	SYF	R914206
Boron (B)-Total		0.088		0.050	mg/L		21-AUG-09	SYF	R914206
Cadmium (Cd)-Total		0.000260		0.000050	mg/L		21-AUG-09	SYF	R914206
Chromium (Cr)-Total		<0.0050		0.0050	mg/L		21-AUG-09	SYF	R914206
Cobalt (Co)-Total		0.0396		0.0020	mg/L		21-AUG-09	SYF	R914206
Copper (Cu)-Total		0.0026		0.0010	mg/L		21-AUG-09	SYF	R914206
Lead (Pb)-Total		<0.00010		0.00010	mg/L		21-AUG-09	SYF	R914206
Lithium (Li)-Total		0.031		0.010	mg/L		21-AUG-09	SYF	R914206
Molybdenum (Mo)-Total		<0.0050		0.0050	mg/L		21-AUG-09	SYF	R914206
Nickel (Ni)-Total		0.0780		0.0020	mg/L		21-AUG-09	SYF	R914206
Selenium (Se)-Total		<0.0020	DLM	0.0020	mg/L		21-AUG-09	SYF	R914206
Silver (Ag)-Total		<0.00010		0.00010	mg/L		21-AUG-09	SYF	R914206
Thallium (Tl)-Total		<0.00010		0.00010	mg/L		21-AUG-09	SYF	R914206
Tin (Sn)-Total		<0.050		0.050	mg/L		21-AUG-09	SYF	R914206
Titanium (Ti)-Total		<0.0010		0.0010	mg/L		21-AUG-09	SYF	R914206
Uranium (U)-Total		<0.00010		0.00010	mg/L		21-AUG-09	SYF	R914206
Vanadium (V)-Total		<0.0010		0.0010	mg/L		21-AUG-09	SYF	R914206
Zinc (Zn)-Total		0.244		0.0040	mg/L		21-AUG-09	SYF	R914206
Total Metals in Water by ICPOES (Low)									
Calcium (Ca)-Total		69.8		0.50	mg/L		21-AUG-09	JWU	R917946
Iron (Fe)-Total		0.090		0.010	mg/L		21-AUG-09	JWU	R917946
Magnesium (Mg)-Total		7.38		0.10	mg/L		21-AUG-09	JWU	R917946
Manganese (Mn)-Total		0.822		0.0020	mg/L		21-AUG-09	JWU	R917946
Potassium (K)-Total		5.79		0.10	mg/L		21-AUG-09	JWU	R917946
Sodium (Na)-Total		68.7		1.0	mg/L		21-AUG-09	JWU	R917946
Alkalinity, Total (as CaCO3)		5.3		5.0	mg/L		18-AUG-09	CLTT	R911889
Ammonia-N		0.476		0.050	mg/L		19-AUG-09	LMK	R912448
Cyanide, Total		<0.0020		0.0020	mg/L	19-AUG-09	19-AUG-09	KF2	R912617
Hardness (as CaCO3)		205			mg/L		24-AUG-09		
Total Suspended Solids		<3.0		3.0	mg/L		19-AUG-09	SVG	R912700
pH		6.82		0.10	pH		18-AUG-09	CLTT	R911889
NO2, NO3, & (NO2+NO3) in Water									
Nitrate as N by IC									
Nitrate (as N)		4.15		0.050	mg/L		18-AUG-09	DDN	R911887
Nitrate and Nitrite as N		4.15		0.071	mg/L		19-AUG-09		
Nitrite as N by IC									
Nitrite (as N)		<0.050		0.050	mg/L		18-AUG-09	DDN	R911887
L806858-2 LUP-10D (DUPLICATE)									
Sampled By: AM on 17-AUG-09 @ 11:54									
Matrix: WATER									
Total Metals - CCME									
Mercury (Hg) - Total									
Mercury (Hg)-Total		<0.00010		0.00010	mg/L		19-AUG-09	CLR	R912827

ALS LABORATORY GROUP ANALYTICAL REPORT

Sample Details/Parameters		Result	Qualifier*	D.L.	Units	Extracted	Analyzed	By	Batch
L806858-2 LUP-10D (DUPLICATE)									
Sampled By: AM on 17-AUG-09 @ 11:54									
Matrix: WATER									
Total Metals - CCME									
Total Metals in Water by ICPMS (Low)									
Aluminum (Al)-Total		0.041		0.010	mg/L		21-AUG-09	SYF	R914206
Antimony (Sb)-Total		<0.00040		0.00040	mg/L		21-AUG-09	SYF	R914206
Arsenic (As)-Total		0.00413		0.00040	mg/L		21-AUG-09	SYF	R914206
Barium (Ba)-Total		0.0147		0.0030	mg/L		21-AUG-09	SYF	R914206
Beryllium (Be)-Total		<0.0010		0.0010	mg/L		21-AUG-09	SYF	R914206
Boron (B)-Total		0.084		0.050	mg/L		21-AUG-09	SYF	R914206
Cadmium (Cd)-Total		0.000295		0.000050	mg/L		21-AUG-09	SYF	R914206
Chromium (Cr)-Total		<0.0050		0.0050	mg/L		21-AUG-09	SYF	R914206
Cobalt (Co)-Total		0.0406		0.0020	mg/L		21-AUG-09	SYF	R914206
Copper (Cu)-Total		0.0028		0.0010	mg/L		21-AUG-09	SYF	R914206
Lead (Pb)-Total		<0.00010		0.00010	mg/L		21-AUG-09	SYF	R914206
Lithium (Li)-Total		0.031		0.010	mg/L		21-AUG-09	SYF	R914206
Molybdenum (Mo)-Total		<0.0050		0.0050	mg/L		21-AUG-09	SYF	R914206
Nickel (Ni)-Total		0.0793		0.0020	mg/L		21-AUG-09	SYF	R914206
Selenium (Se)-Total		<0.0020	DLM	0.0020	mg/L		21-AUG-09	SYF	R914206
Silver (Ag)-Total		<0.00010		0.00010	mg/L		21-AUG-09	SYF	R914206
Thallium (Tl)-Total		<0.00010		0.00010	mg/L		21-AUG-09	SYF	R914206
Tin (Sn)-Total		<0.050		0.050	mg/L		21-AUG-09	SYF	R914206
Titanium (Ti)-Total		<0.0010		0.0010	mg/L		21-AUG-09	SYF	R914206
Uranium (U)-Total		<0.00010		0.00010	mg/L		21-AUG-09	SYF	R914206
Vanadium (V)-Total		<0.0010		0.0010	mg/L		21-AUG-09	SYF	R914206
Zinc (Zn)-Total		0.253		0.0040	mg/L		21-AUG-09	SYF	R914206
Total Metals in Water by ICPOES (Low)									
Calcium (Ca)-Total		0.92		0.50	mg/L		19-AUG-09	BOC	R912805
Iron (Fe)-Total		0.010		0.010	mg/L		19-AUG-09	BOC	R912805
Magnesium (Mg)-Total		0.48		0.10	mg/L		19-AUG-09	BOC	R912805
Manganese (Mn)-Total		0.0025		0.0020	mg/L		19-AUG-09	BOC	R912805
Potassium (K)-Total		0.41		0.10	mg/L		19-AUG-09	BOC	R912805
Sodium (Na)-Total		<1.0		1.0	mg/L		19-AUG-09	BOC	R912805
Alkalinity, Total (as CaCO3)		<5.0		5.0	mg/L		18-AUG-09	CLTT	R911889
Ammonia-N		0.475		0.050	mg/L		19-AUG-09	LMK	R912448
Cyanide, Total		<0.0020		0.0020	mg/L	19-AUG-09	19-AUG-09	KF2	R912617
Hardness (as CaCO3)		4.3			mg/L		20-AUG-09		
Total Suspended Solids		<3.0		3.0	mg/L		19-AUG-09	SVG	R912700
pH		6.84		0.10	pH		18-AUG-09	CLTT	R911889
NO2, NO3, & (NO2+NO3) in Water									
Nitrate as N by IC									
Nitrate (as N)		4.13		0.050	mg/L		18-AUG-09	DDN	R911887
Nitrate and Nitrite as N		4.13		0.071	mg/L		19-AUG-09		
Nitrite as N by IC									
Nitrite (as N)		<0.050		0.050	mg/L		18-AUG-09	DDN	R911887
* Refer to Referenced Information for Qualifiers (if any) and Methodology.									

Reference Information

Sample Parameter Qualifier key listed:

Qualifier	Description
DLM	Detection Limit Adjustment For Sample Matrix Effects

Methods Listed (if applicable):

ALS Test Code	Matrix	Test Description	Preparation Method Reference(Based On)	Analytical Method Reference(Based On)
ALK-TOT-ED	Water	Alkalinity, Total		APHA 2320 B-Auto-Pot. Titration
CN-TOT-WT	Water	Cyanide, Total		APHA 4500CN C E-STRONG ACID DIST COLORIM
ETL-HARDNESS-TOT-ED	Water	Hardness (from Total Ca and Mg)		APHA 2340 B-Calculation
HG-T-CVAA-ED	Water	Mercury (Hg) - Total		EPA 245.7 / EPA 245.1
MET-T-L-ICP-ED	Water	Total Metals in Water by ICPOES (Low)	EPA3015	EPA 200.7
MET-T-L-MS-ED	Water	Total Metals in Water by ICPMS (Low)	EPA3015	EPA 6020
NH4-ED	Water	Ammonia-N		APHA4500NH3F Colorimetry
NO2+NO3-CALC-ED	Water	Nitrate+Nitrite		CALCULATION
NO2-IC-ED	Water	Nitrite as N by IC		APHA 4110 B-ION CHROMATOGRAPHY
NO3-IC-ED	Water	Nitrate as N by IC		APHA 4110 B-ION CHROMATOGRAPHY
PH-ED	Water	pH		APHA 4500 H-Electrode
SOLIDS-TOTSUS-ED	Water	Total Suspended Solids		APHA 2540 D-Gravimetric

**** Laboratory Methods employed follow in-house procedures, which are generally based on nationally or internationally accepted methodologies.**

Chain of Custody numbers:

08-011425

The last two letters of the above test code(s) indicate the laboratory that performed analytical analysis for that test. Refer to the list below:

Laboratory Definition Code	Laboratory Location	Laboratory Definition Code	Laboratory Location
WT	ALS LABORATORY GROUP - WATERLOO, ONTARIO, CANADA	ED	ALS LABORATORY GROUP - EDMONTON, ALBERTA, CANADA

GLOSSARY OF REPORT TERMS

Surr - A surrogate is an organic compound that is similar to the target analyte(s) in chemical composition and behavior but not normally detected in environmental samples. Prior to sample processing, samples are fortified with one or more surrogate compounds.

The reported surrogate recovery value provides a measure of method efficiency. The Laboratory control limits are determined under column heading D.L.

mg/kg (units) - unit of concentration based on mass, parts per million.

mg/L (units) - unit of concentration based on volume, parts per million.

< - Less than.

D.L. - The reporting limit.

N/A - Result not available. Refer to qualifier code and definition for explanation.

Test results reported relate only to the samples as received by the laboratory.

UNLESS OTHERWISE STATED, ALL SAMPLES WERE RECEIVED IN ACCEPTABLE CONDITION.

UNLESS OTHERWISE STATED, SAMPLES ARE NOT CORRECTED FOR CLIENT FIELD BLANKS.

Although test results are generated under strict QA/QC protocols, any unsigned test reports, faxes, or emails are considered preliminary.

ALS Laboratory Group has an extensive QA/QC program where all analytical data reported is analyzed using approved referenced procedures followed by checks and reviews by senior managers and quality assurance personnel. However, since the results are obtained from chemical measurements and thus cannot be guaranteed, ALS Laboratory Group assumes no liability for the use or interpretation of the results.



L806858

Environmental Division

Report to: ANDREW MITCHELL		Report Format / Distribution		Service Requested: (rush - subject to availability)	
Company: MING RESOURCES INC.		Standard: ☒ PDF ☒ Excel ☐ Digital		Regular (Default)	
Contact:		Select: ☒ PDF ☒ Excel ☐ Digital		Priority (2-3 Business Days) - 50% Surcharge	
Address:		Email 1:		Emergency (1 Business Day) - 100% Surcharge	
Phone:		Email 2:		For Emergency < 1 Day, ASAP or Weekend - Contact ALS	
Fax:					
Invoice To: Same as Report? ☒ Yes ☐ No		Client / Project Information:		Analysis Request	
Company:		Job #:		(Indicate Filtered or Preserved, F/P)	
Contact:		PO / AFE:			
Address:		Legal Site Description:			
Phone:		Quote #:			
Fax:		ALS Contact: OLIVER		Sampler: AM	
Lab Work Order # (lab use only)		Date		Time	
Sample #		Sample Identification		Sample Type	
		(This description will appear on the report)			
LUP-20		ALS Q21388		GRAB	
LUP-21		ALS Q21391		GRAB	
LUP-22		ALS Q21395		GRAB	
LUP-23		ALS Q21396		GRAB	
LUP-24		ALS Q21397		GRAB	
LUP-25		ALS Q21398		GRAB	
LUP-26		ALS Q21399		GRAB	
FIELD BLANK		ALS Q21400		GRAB	
LUP-10		ALS Q21388		GRAB	
LUP-11		ALS Q21388		GRAB	
LUP-10 D (Duplicate)		ALS Q21388		GRAB	

Special Instructions / Regulations / Hazardous Details

~~Reference sample and sample lot 10~~

Failure to complete all portions of this form may delay analysis. Please fill in this form LEGIBLY.

By the use of this form the user acknowledges and agrees with the Terms and Conditions as specified on the back page of the white - report copy.

SHIPMENT RELEASE (client use)		SHIPMENT RECEPTION (lab use only)		SHIPMENT VERIFICATION (lab use only)	
Released by:	Date & Time:	Received by:	Date:	Temperature:	Verified by:
		RS	18-Aug-09	9:21	5.5
Observations:		Date & Time:		If Yes attach SIF	
Yes / No ?					