



Environmental Division

Certificate of Analysis

OZ MINERALS CANADA RESOURCES INC.

ATTN: ANDREW MITCHELL

200 - 1159 ALLOY DRIVE

THUNDER BAY ON P7B 6M8

Report Date: 07-OCT-09 16:00 (MT)

Version: FINAL

Lab Work Order #: L817982

Date Received: 15-SEP-09

Project P.O. #: 09-00623

Job Reference:

Legal Site Desc:

CofC Numbers: 08-012360, 08-012364

Other Information:

Comments:

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	Batch
L817982-1	LUP-10							
Sampled By: RO on 08-SEP-09 @ 16:30								
Matrix: WATER								
Total Metals - CCME								
Mercury (Hg) - Total								
Mercury (Hg)-Total		<0.00010		0.00010	mg/L		17-SEP-09	R947032
Total Metals in Water by ICPMS (Low)								
Aluminum (Al)-Total		0.032		0.010	mg/L		16-SEP-09	R943963
Antimony (Sb)-Total		<0.00040		0.00040	mg/L		16-SEP-09	R943963
Arsenic (As)-Total		0.0109		0.00040	mg/L		16-SEP-09	R943963
Barium (Ba)-Total		0.0143		0.0030	mg/L		16-SEP-09	R943963
Beryllium (Be)-Total		<0.0010		0.0010	mg/L		16-SEP-09	R943963
Boron (B)-Total		0.086		0.050	mg/L		16-SEP-09	R943963
Cadmium (Cd)-Total		0.000280		0.000050	mg/L		16-SEP-09	R943963
Chromium (Cr)-Total		<0.0050		0.0050	mg/L		16-SEP-09	R943963
Cobalt (Co)-Total		0.0442		0.0020	mg/L		16-SEP-09	R943963
Copper (Cu)-Total		0.0028		0.0010	mg/L		16-SEP-09	R943963
Lead (Pb)-Total		0.00024		0.00010	mg/L		16-SEP-09	R943963
Lithium (Li)-Total		0.030		0.010	mg/L		16-SEP-09	R943963
Molybdenum (Mo)-Total		<0.0050		0.0050	mg/L		16-SEP-09	R943963
Nickel (Ni)-Total		0.0877		0.0020	mg/L		16-SEP-09	R943963
Selenium (Se)-Total		<0.0020	DLM	0.0020	mg/L		16-SEP-09	R943963
Silver (Ag)-Total		<0.00010		0.00010	mg/L		16-SEP-09	R943963
Thallium (Tl)-Total		0.00015		0.00010	mg/L		16-SEP-09	R943963
Tin (Sn)-Total		<0.050		0.050	mg/L		16-SEP-09	R943963
Titanium (Ti)-Total		<0.0010		0.0010	mg/L		16-SEP-09	R943963
Uranium (U)-Total		<0.00010		0.00010	mg/L		16-SEP-09	R943963
Vanadium (V)-Total		<0.0010		0.0010	mg/L		16-SEP-09	R943963
Zinc (Zn)-Total		0.287		0.0040	mg/L		16-SEP-09	R943963
Total Metals in Water by ICPOES (Low)								
Calcium (Ca)-Total		77.6		0.50	mg/L		16-SEP-09	R946689
Iron (Fe)-Total		0.262		0.010	mg/L		16-SEP-09	R946689
Magnesium (Mg)-Total		7.12		0.10	mg/L		16-SEP-09	R946689
Manganese (Mn)-Total		0.951		0.0020	mg/L		16-SEP-09	R946689
Potassium (K)-Total		6.43		0.10	mg/L		16-SEP-09	R946689
Sodium (Na)-Total		75.2		1.0	mg/L		16-SEP-09	R946689
Miscellaneous Parameters								
Cyanide, Total		<0.0020		0.0020	mg/L	17-SEP-09	17-SEP-09	R946839
Total Suspended Solids		<3.0		3.0	mg/L		17-SEP-09	R946889
pH		6.53		0.10	pH		16-SEP-09	R945972
L817982-2	LUP-10							
Sampled By: RO on 09-SEP-09 @ 16:30								
Matrix: WATER								
Total Metals - CCME								
Mercury (Hg) - Total								
Mercury (Hg)-Total		<0.00010		0.00010	mg/L		17-SEP-09	R947032
Total Metals in Water by ICPMS (Low)								
Aluminum (Al)-Total		0.038		0.010	mg/L		16-SEP-09	R943963
Antimony (Sb)-Total		<0.00040		0.00040	mg/L		16-SEP-09	R943963
Arsenic (As)-Total		0.0105		0.00040	mg/L		16-SEP-09	R943963
Barium (Ba)-Total		0.0143		0.0030	mg/L		16-SEP-09	R943963
Beryllium (Be)-Total		<0.0010		0.0010	mg/L		16-SEP-09	R943963
Boron (B)-Total		0.085		0.050	mg/L		16-SEP-09	R943963
Cadmium (Cd)-Total		0.000255		0.000050	mg/L		16-SEP-09	R943963
Chromium (Cr)-Total		<0.0050		0.0050	mg/L		16-SEP-09	R943963

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS LABORATORY GROUP ANALYTICAL REPORT

Sample Details/Parameters		Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L817982-2	LUP-10							
Sampled By: RO on 09-SEP-09 @ 16:30								
Matrix: WATER								
Total Metals in Water by ICPMS (Low)								
Cobalt (Co)-Total		0.0440		0.0020	mg/L		16-SEP-09	R943963
Copper (Cu)-Total		0.0028		0.0010	mg/L		16-SEP-09	R943963
Lead (Pb)-Total		<0.00010		0.00010	mg/L		16-SEP-09	R943963
Lithium (Li)-Total		0.029		0.010	mg/L		16-SEP-09	R943963
Molybdenum (Mo)-Total		<0.0050		0.0050	mg/L		16-SEP-09	R943963
Nickel (Ni)-Total		0.0858		0.0020	mg/L		16-SEP-09	R943963
Selenium (Se)-Total		<0.0020	DLM	0.0020	mg/L		16-SEP-09	R943963
Silver (Ag)-Total		<0.00010		0.00010	mg/L		16-SEP-09	R943963
Thallium (Tl)-Total		<0.00010		0.00010	mg/L		16-SEP-09	R943963
Tin (Sn)-Total		<0.050		0.050	mg/L		16-SEP-09	R943963
Titanium (Ti)-Total		<0.0010		0.0010	mg/L		16-SEP-09	R943963
Uranium (U)-Total		<0.00010		0.00010	mg/L		16-SEP-09	R943963
Vanadium (V)-Total		<0.0010		0.0010	mg/L		16-SEP-09	R943963
Zinc (Zn)-Total		0.283		0.0040	mg/L		16-SEP-09	R943963
Total Metals in Water by ICPOES (Low)								
Calcium (Ca)-Total		75.9		0.50	mg/L		16-SEP-09	R946689
Iron (Fe)-Total		0.246		0.010	mg/L		16-SEP-09	R946689
Magnesium (Mg)-Total		6.68		0.10	mg/L		16-SEP-09	R946689
Manganese (Mn)-Total		0.943		0.0020	mg/L		16-SEP-09	R946689
Potassium (K)-Total		6.04		0.10	mg/L		16-SEP-09	R946689
Sodium (Na)-Total		74.0		1.0	mg/L		16-SEP-09	R946689
Miscellaneous Parameters								
Cyanide, Total		<0.0020		0.0020	mg/L	17-SEP-09	17-SEP-09	R946839
Total Suspended Solids		<3.0		3.0	mg/L		17-SEP-09	R946889
pH		6.66		0.10	pH		16-SEP-09	R945972
L817982-3	LUP-10							
Sampled By: RO on 10-SEP-09 @ 15:45								
Matrix: WATER								
Total Metals - CCME								
Mercury (Hg) - Total								
Mercury (Hg)-Total		<0.00010		0.00010	mg/L		17-SEP-09	R947032
Total Metals in Water by ICPMS (Low)								
Aluminum (Al)-Total		0.034		0.010	mg/L		16-SEP-09	R943963
Antimony (Sb)-Total		<0.00040		0.00040	mg/L		16-SEP-09	R943963
Arsenic (As)-Total		0.0104		0.00040	mg/L		16-SEP-09	R943963
Barium (Ba)-Total		0.0144		0.0030	mg/L		16-SEP-09	R943963
Beryllium (Be)-Total		<0.0010		0.0010	mg/L		16-SEP-09	R943963
Boron (B)-Total		0.086		0.050	mg/L		16-SEP-09	R943963
Cadmium (Cd)-Total		0.000275		0.000050	mg/L		16-SEP-09	R943963
Chromium (Cr)-Total		<0.0050		0.0050	mg/L		16-SEP-09	R943963
Cobalt (Co)-Total		0.0439		0.0020	mg/L		16-SEP-09	R943963
Copper (Cu)-Total		0.0028		0.0010	mg/L		16-SEP-09	R943963
Lead (Pb)-Total		<0.00010		0.00010	mg/L		16-SEP-09	R943963
Lithium (Li)-Total		0.028		0.010	mg/L		16-SEP-09	R943963
Molybdenum (Mo)-Total		<0.0050		0.0050	mg/L		16-SEP-09	R943963
Nickel (Ni)-Total		0.0861		0.0020	mg/L		16-SEP-09	R943963
Selenium (Se)-Total		<0.0020	DLM	0.0020	mg/L		16-SEP-09	R943963
Silver (Ag)-Total		<0.00010		0.00010	mg/L		16-SEP-09	R943963
Thallium (Tl)-Total		<0.00010		0.00010	mg/L		16-SEP-09	R943963
Tin (Sn)-Total		<0.050		0.050	mg/L		16-SEP-09	R943963
Titanium (Ti)-Total		<0.0010		0.0010	mg/L		16-SEP-09	R943963

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS LABORATORY GROUP ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L817982-3 LUP-10 Sampled By: RO on 10-SEP-09 @ 15:45 Matrix: WATER							
Total Metals in Water by ICPMS (Low)							
Uranium (U)-Total	<0.00010		0.00010	mg/L		16-SEP-09	R943963
Vanadium (V)-Total	<0.0010		0.0010	mg/L		16-SEP-09	R943963
Zinc (Zn)-Total	0.285		0.0040	mg/L		16-SEP-09	R943963
Total Metals in Water by ICPOES (Low)							
Calcium (Ca)-Total	75.4		0.50	mg/L		16-SEP-09	R946689
Iron (Fe)-Total	0.248		0.010	mg/L		16-SEP-09	R946689
Magnesium (Mg)-Total	6.93		0.10	mg/L		16-SEP-09	R946689
Manganese (Mn)-Total	0.919		0.0020	mg/L		16-SEP-09	R946689
Potassium (K)-Total	6.37		0.10	mg/L		16-SEP-09	R946689
Sodium (Na)-Total	73.5		1.0	mg/L		16-SEP-09	R946689
Miscellaneous Parameters							
Cyanide, Total	<0.0020		0.0020	mg/L	17-SEP-09	17-SEP-09	R946839
Total Suspended Solids	<3.0		3.0	mg/L		17-SEP-09	R946889
pH	6.64		0.10	pH		16-SEP-09	R945972
L817982-4 LUP-10 Sampled By: RO on 11-SEP-09 @ 16:30 Matrix: WATER							
Total Metals - CCME							
Mercury (Hg) - Total							
Mercury (Hg)-Total	<0.00010		0.00010	mg/L		17-SEP-09	R947032
Total Metals in Water by ICPMS (Low)							
Aluminum (Al)-Total	0.033		0.010	mg/L		16-SEP-09	R943963
Antimony (Sb)-Total	<0.00040		0.00040	mg/L		16-SEP-09	R943963
Arsenic (As)-Total	0.0113		0.00040	mg/L		16-SEP-09	R943963
Barium (Ba)-Total	0.0145		0.0030	mg/L		16-SEP-09	R943963
Beryllium (Be)-Total	<0.0010		0.0010	mg/L		16-SEP-09	R943963
Boron (B)-Total	0.085		0.050	mg/L		16-SEP-09	R943963
Cadmium (Cd)-Total	0.000295		0.000050	mg/L		16-SEP-09	R943963
Chromium (Cr)-Total	<0.0050		0.0050	mg/L		16-SEP-09	R943963
Cobalt (Co)-Total	0.0441		0.0020	mg/L		16-SEP-09	R943963
Copper (Cu)-Total	0.0027		0.0010	mg/L		16-SEP-09	R943963
Lead (Pb)-Total	<0.00010		0.00010	mg/L		16-SEP-09	R943963
Lithium (Li)-Total	0.029		0.010	mg/L		16-SEP-09	R943963
Molybdenum (Mo)-Total	<0.0050		0.0050	mg/L		16-SEP-09	R943963
Nickel (Ni)-Total	0.0867		0.0020	mg/L		16-SEP-09	R943963
Selenium (Se)-Total	<0.0020	DLM	0.0020	mg/L		16-SEP-09	R943963
Silver (Ag)-Total	<0.00010		0.00010	mg/L		16-SEP-09	R943963
Thallium (Tl)-Total	<0.00010		0.00010	mg/L		16-SEP-09	R943963
Tin (Sn)-Total	<0.050		0.050	mg/L		16-SEP-09	R943963
Titanium (Ti)-Total	<0.0010		0.0010	mg/L		16-SEP-09	R943963
Uranium (U)-Total	<0.00010		0.00010	mg/L		16-SEP-09	R943963
Vanadium (V)-Total	<0.0010		0.0010	mg/L		16-SEP-09	R943963
Zinc (Zn)-Total	0.288		0.0040	mg/L		16-SEP-09	R943963
Total Metals in Water by ICPOES (Low)							
Calcium (Ca)-Total	76.1		0.50	mg/L		16-SEP-09	R946689
Iron (Fe)-Total	0.261		0.010	mg/L		16-SEP-09	R946689
Magnesium (Mg)-Total	6.85		0.10	mg/L		16-SEP-09	R946689
Manganese (Mn)-Total	0.939		0.0020	mg/L		16-SEP-09	R946689
Potassium (K)-Total	6.40		0.10	mg/L		16-SEP-09	R946689
Sodium (Na)-Total	74.1		1.0	mg/L		16-SEP-09	R946689
Miscellaneous Parameters							

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

Sample Details/Parameters		Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L817982-4	LUP-10							
Sampled By: RO on 11-SEP-09 @ 16:30								
Matrix: WATER								
Cyanide, Total		<0.0020		0.0020	mg/L	17-SEP-09	17-SEP-09	R946839
Total Suspended Solids		<3.0		3.0	mg/L		17-SEP-09	R946889
pH		6.65		0.10	pH		16-SEP-09	R945972
L817982-5	LUP-10							
Sampled By: RO on 12-SEP-09 @ 16:30								
Matrix: WATER								
Total Metals - CCME								
Mercury (Hg) - Total								
Mercury (Hg)-Total		<0.00010		0.00010	mg/L		17-SEP-09	R947032
Total Metals in Water by ICPMS (Low)								
Aluminum (Al)-Total		0.035		0.010	mg/L		16-SEP-09	R943963
Antimony (Sb)-Total		<0.00040		0.00040	mg/L		16-SEP-09	R943963
Arsenic (As)-Total		0.0124		0.00040	mg/L		16-SEP-09	R943963
Barium (Ba)-Total		0.0167		0.0030	mg/L		16-SEP-09	R943963
Beryllium (Be)-Total		<0.0010		0.0010	mg/L		16-SEP-09	R943963
Boron (B)-Total		0.087		0.050	mg/L		16-SEP-09	R943963
Cadmium (Cd)-Total		0.000305		0.000050	mg/L		16-SEP-09	R943963
Chromium (Cr)-Total		<0.0050		0.0050	mg/L		16-SEP-09	R943963
Cobalt (Co)-Total		0.0437		0.0020	mg/L		16-SEP-09	R943963
Copper (Cu)-Total		0.0027		0.0010	mg/L		16-SEP-09	R943963
Lead (Pb)-Total		<0.00010		0.00010	mg/L		16-SEP-09	R943963
Lithium (Li)-Total		0.028		0.010	mg/L		16-SEP-09	R943963
Molybdenum (Mo)-Total		<0.0050		0.0050	mg/L		16-SEP-09	R943963
Nickel (Ni)-Total		0.0855		0.0020	mg/L		16-SEP-09	R943963
Selenium (Se)-Total		<0.0020	DLM	0.0020	mg/L		16-SEP-09	R943963
Silver (Ag)-Total		<0.00010		0.00010	mg/L		16-SEP-09	R943963
Thallium (Tl)-Total		<0.00010		0.00010	mg/L		16-SEP-09	R943963
Tin (Sn)-Total		<0.050		0.050	mg/L		16-SEP-09	R943963
Titanium (Ti)-Total		<0.0010		0.0010	mg/L		16-SEP-09	R943963
Uranium (U)-Total		<0.00010		0.00010	mg/L		16-SEP-09	R943963
Vanadium (V)-Total		<0.0010		0.0010	mg/L		16-SEP-09	R943963
Zinc (Zn)-Total		0.285		0.0040	mg/L		16-SEP-09	R943963
Total Metals in Water by ICPOES (Low)								
Calcium (Ca)-Total		78.8		0.50	mg/L		16-SEP-09	R946689
Iron (Fe)-Total		0.288		0.010	mg/L		16-SEP-09	R946689
Magnesium (Mg)-Total		7.18		0.10	mg/L		16-SEP-09	R946689
Manganese (Mn)-Total		0.956		0.0020	mg/L		16-SEP-09	R946689
Potassium (K)-Total		6.45		0.10	mg/L		16-SEP-09	R946689
Sodium (Na)-Total		76.2		1.0	mg/L		16-SEP-09	R946689
Miscellaneous Parameters								
Cyanide, Total		<0.0020		0.0020	mg/L	17-SEP-09	17-SEP-09	R946839
Total Suspended Solids		<3.0		3.0	mg/L		17-SEP-09	R946889
pH		6.71		0.10	pH		16-SEP-09	R945972
L817982-6	LUP-10							
Sampled By: RO on 13-SEP-09 @ 13:25								
Matrix: WATER								
Total Metals - CCME								
Mercury (Hg) - Total								
Mercury (Hg)-Total		<0.00010		0.00010	mg/L		17-SEP-09	R947032
Total Metals in Water by ICPMS (Low)								
Aluminum (Al)-Total		0.032		0.010	mg/L		16-SEP-09	R943963

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS LABORATORY GROUP ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L817982-6 LUP-10 Sampled By: RO on 13-SEP-09 @ 13:25 Matrix: WATER							
Total Metals in Water by ICPMS (Low)							
Antimony (Sb)-Total	<0.00040		0.00040	mg/L		16-SEP-09	R943963
Arsenic (As)-Total	0.0110		0.00040	mg/L		16-SEP-09	R943963
Barium (Ba)-Total	0.0142		0.0030	mg/L		16-SEP-09	R943963
Beryllium (Be)-Total	<0.0010		0.0010	mg/L		16-SEP-09	R943963
Boron (B)-Total	0.084		0.050	mg/L		16-SEP-09	R943963
Cadmium (Cd)-Total	0.000270		0.000050	mg/L		16-SEP-09	R943963
Chromium (Cr)-Total	<0.0050		0.0050	mg/L		16-SEP-09	R943963
Cobalt (Co)-Total	0.0419		0.0020	mg/L		16-SEP-09	R943963
Copper (Cu)-Total	0.0025		0.0010	mg/L		16-SEP-09	R943963
Lead (Pb)-Total	<0.00010		0.00010	mg/L		16-SEP-09	R943963
Lithium (Li)-Total	0.029		0.010	mg/L		16-SEP-09	R943963
Molybdenum (Mo)-Total	<0.0050		0.0050	mg/L		16-SEP-09	R943963
Nickel (Ni)-Total	0.0824		0.0020	mg/L		16-SEP-09	R943963
Selenium (Se)-Total	<0.0020	DLM	0.0020	mg/L		16-SEP-09	R943963
Silver (Ag)-Total	<0.00010		0.00010	mg/L		16-SEP-09	R943963
Thallium (Tl)-Total	<0.00010		0.00010	mg/L		16-SEP-09	R943963
Tin (Sn)-Total	<0.050		0.050	mg/L		16-SEP-09	R943963
Titanium (Ti)-Total	<0.0010		0.0010	mg/L		16-SEP-09	R943963
Uranium (U)-Total	<0.00010		0.00010	mg/L		16-SEP-09	R943963
Vanadium (V)-Total	<0.0010		0.0010	mg/L		16-SEP-09	R943963
Zinc (Zn)-Total	0.266		0.0040	mg/L		16-SEP-09	R943963
Total Metals in Water by ICPOES (Low)							
Calcium (Ca)-Total	79.8		0.50	mg/L		16-SEP-09	R946689
Iron (Fe)-Total	0.261		0.010	mg/L		16-SEP-09	R946689
Magnesium (Mg)-Total	7.18		0.10	mg/L		16-SEP-09	R946689
Manganese (Mn)-Total	0.959		0.0020	mg/L		16-SEP-09	R946689
Potassium (K)-Total	6.47		0.10	mg/L		16-SEP-09	R946689
Sodium (Na)-Total	75.4		1.0	mg/L		16-SEP-09	R946689
Miscellaneous Parameters							
Alkalinity, Total (as CaCO3)	<5.0		5.0	mg/L		16-SEP-09	R945972
Ammonia-N	0.420		0.050	mg/L		16-SEP-09	R945982
Cyanide, Total	<0.0020		0.0020	mg/L	17-SEP-09	17-SEP-09	R946839
Hardness (as CaCO3)	229			mg/L		17-SEP-09	
Special Request	See Attached					17-SEP-09	R977330
Total Suspended Solids	<3.0		3.0	mg/L		17-SEP-09	R946889
pH	6.97		0.10	pH		16-SEP-09	R945972
L817982-7 LUP-10D Sampled By: RO on 12-SEP-09 @ 16:30 Matrix: WATER							
Total Metals - CCME							
Mercury (Hg) - Total							
Mercury (Hg)-Total	<0.00010		0.00010	mg/L		17-SEP-09	R947032
Total Metals in Water by ICPMS (Low)							
Aluminum (Al)-Total	0.034		0.010	mg/L		16-SEP-09	R943963
Antimony (Sb)-Total	<0.00040		0.00040	mg/L		16-SEP-09	R943963
Arsenic (As)-Total	0.0123		0.00040	mg/L		16-SEP-09	R943963
Barium (Ba)-Total	0.0144		0.0030	mg/L		16-SEP-09	R943963
Beryllium (Be)-Total	<0.0010		0.0010	mg/L		16-SEP-09	R943963
Boron (B)-Total	0.087		0.050	mg/L		16-SEP-09	R943963
Cadmium (Cd)-Total	0.000275		0.000050	mg/L		16-SEP-09	R943963

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS LABORATORY GROUP ANALYTICAL REPORT

Sample Details/Parameters		Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L817982-7	LUP-10D							
Sampled By: RO on 12-SEP-09 @ 16:30								
Matrix: WATER								
Total Metals in Water by ICPMS (Low)								
Chromium (Cr)-Total		<0.0050		0.0050	mg/L		16-SEP-09	R943963
Cobalt (Co)-Total		0.0437		0.0020	mg/L		16-SEP-09	R943963
Copper (Cu)-Total		0.0026		0.0010	mg/L		16-SEP-09	R943963
Lead (Pb)-Total		<0.00010		0.00010	mg/L		16-SEP-09	R943963
Lithium (Li)-Total		0.029		0.010	mg/L		16-SEP-09	R943963
Molybdenum (Mo)-Total		<0.0050		0.0050	mg/L		16-SEP-09	R943963
Nickel (Ni)-Total		0.0857		0.0020	mg/L		16-SEP-09	R943963
Selenium (Se)-Total		<0.0020	DLM	0.0020	mg/L		16-SEP-09	R943963
Silver (Ag)-Total		<0.00010		0.00010	mg/L		16-SEP-09	R943963
Thallium (Tl)-Total		<0.00010		0.00010	mg/L		16-SEP-09	R943963
Tin (Sn)-Total		<0.050		0.050	mg/L		16-SEP-09	R943963
Titanium (Ti)-Total		<0.0010		0.0010	mg/L		16-SEP-09	R943963
Uranium (U)-Total		<0.00010		0.00010	mg/L		16-SEP-09	R943963
Vanadium (V)-Total		<0.0010		0.0010	mg/L		16-SEP-09	R943963
Zinc (Zn)-Total		0.286		0.0040	mg/L		16-SEP-09	R943963
Total Metals in Water by ICPOES (Low)								
Calcium (Ca)-Total		79.6		0.50	mg/L		16-SEP-09	R946689
Iron (Fe)-Total		0.293		0.010	mg/L		16-SEP-09	R946689
Magnesium (Mg)-Total		6.97		0.10	mg/L		16-SEP-09	R946689
Manganese (Mn)-Total		0.976		0.0020	mg/L		16-SEP-09	R946689
Potassium (K)-Total		6.52		0.10	mg/L		16-SEP-09	R946689
Sodium (Na)-Total		76.7		1.0	mg/L		16-SEP-09	R946689
Miscellaneous Parameters								
Cyanide, Total		<0.0020		0.0020	mg/L	17-SEP-09	17-SEP-09	R946839
Total Suspended Solids		<3.0		3.0	mg/L		17-SEP-09	R946889
pH		6.72		0.10	pH		16-SEP-09	R945972
L817982-8	LUP-20							
Sampled By: RO on 13-SEP-09 @ 11:25								
Matrix: WATER								
Total Metals - CCME								
Mercury (Hg) - Total								
Mercury (Hg)-Total		<0.00010		0.00010	mg/L		17-SEP-09	R947032
Total Metals in Water by ICPMS (Low)								
Aluminum (Al)-Total		0.060		0.010	mg/L		16-SEP-09	R943963
Antimony (Sb)-Total		<0.00040		0.00040	mg/L		16-SEP-09	R943963
Arsenic (As)-Total		0.00250		0.00040	mg/L		16-SEP-09	R943963
Barium (Ba)-Total		0.0195		0.0030	mg/L		16-SEP-09	R943963
Beryllium (Be)-Total		<0.0010		0.0010	mg/L		16-SEP-09	R943963
Boron (B)-Total		0.076		0.050	mg/L		16-SEP-09	R943963
Cadmium (Cd)-Total		0.000270		0.000050	mg/L		16-SEP-09	R943963
Chromium (Cr)-Total		<0.0050		0.0050	mg/L		16-SEP-09	R943963
Cobalt (Co)-Total		0.0325		0.0020	mg/L		16-SEP-09	R943963
Copper (Cu)-Total		0.0030		0.0010	mg/L		16-SEP-09	R943963
Lead (Pb)-Total		<0.00010		0.00010	mg/L		16-SEP-09	R943963
Lithium (Li)-Total		0.025		0.010	mg/L		16-SEP-09	R943963
Molybdenum (Mo)-Total		<0.0050		0.0050	mg/L		16-SEP-09	R943963
Nickel (Ni)-Total		0.0843		0.0020	mg/L		16-SEP-09	R943963
Selenium (Se)-Total		<0.0020	DLM	0.0020	mg/L		16-SEP-09	R943963
Silver (Ag)-Total		<0.00010		0.00010	mg/L		16-SEP-09	R943963
Thallium (Tl)-Total		0.00014		0.00010	mg/L		16-SEP-09	R943963
Tin (Sn)-Total		<0.050		0.050	mg/L		16-SEP-09	R943963

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS LABORATORY GROUP ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L817982-8 LUP-20 Sampled By: RO on 13-SEP-09 @ 11:25 Matrix: WATER							
Total Metals in Water by ICPMS (Low)							
Titanium (Ti)-Total	<0.0010		0.0010	mg/L		16-SEP-09	R943963
Uranium (U)-Total	<0.00010		0.00010	mg/L		16-SEP-09	R943963
Vanadium (V)-Total	<0.0010		0.0010	mg/L		16-SEP-09	R943963
Zinc (Zn)-Total	0.234		0.0040	mg/L		16-SEP-09	R943963
Total Metals in Water by ICPOES (Low)							
Calcium (Ca)-Total	68.3		0.50	mg/L		16-SEP-09	R946689
Iron (Fe)-Total	0.202		0.010	mg/L		16-SEP-09	R946689
Magnesium (Mg)-Total	6.55		0.10	mg/L		16-SEP-09	R946689
Manganese (Mn)-Total	0.722		0.0020	mg/L		16-SEP-09	R946689
Potassium (K)-Total	5.75		0.10	mg/L		16-SEP-09	R946689
Sodium (Na)-Total	67.6		1.0	mg/L		16-SEP-09	R946689
Miscellaneous Parameters							
Alkalinity, Total (as CaCO3)	<5.0		5.0	mg/L		16-SEP-09	R945972
Ammonia-N	0.197		0.050	mg/L		16-SEP-09	R945982
Cyanide, Total	<0.0020		0.0020	mg/L	17-SEP-09	17-SEP-09	R946839
Hardness (as CaCO3)	198			mg/L		17-SEP-09	
Total Suspended Solids	<3.0		3.0	mg/L		17-SEP-09	R946889
pH	5.88		0.10	pH		16-SEP-09	R945972
L817982-9 LUP-21 Sampled By: RO on 13-SEP-09 @ 11:45 Matrix: WATER							
Total Metals - CCME							
Mercury (Hg) - Total							
Mercury (Hg)-Total	<0.00010		0.00010	mg/L		17-SEP-09	R947032
Total Metals in Water by ICPMS (Low)							
Aluminum (Al)-Total	0.016		0.010	mg/L		16-SEP-09	R943963
Antimony (Sb)-Total	<0.00040		0.00040	mg/L		16-SEP-09	R943963
Arsenic (As)-Total	0.00046		0.00040	mg/L		16-SEP-09	R943963
Barium (Ba)-Total	<0.0030		0.0030	mg/L		16-SEP-09	R943963
Beryllium (Be)-Total	<0.0010		0.0010	mg/L		16-SEP-09	R943963
Boron (B)-Total	<0.050		0.050	mg/L		16-SEP-09	R943963
Cadmium (Cd)-Total	<0.000050		0.000050	mg/L		16-SEP-09	R943963
Chromium (Cr)-Total	<0.0050		0.0050	mg/L		16-SEP-09	R943963
Cobalt (Co)-Total	<0.0020		0.0020	mg/L		16-SEP-09	R943963
Copper (Cu)-Total	<0.0010		0.0010	mg/L		16-SEP-09	R943963
Lead (Pb)-Total	<0.00010		0.00010	mg/L		16-SEP-09	R943963
Lithium (Li)-Total	<0.010		0.010	mg/L		16-SEP-09	R943963
Molybdenum (Mo)-Total	<0.0050		0.0050	mg/L		16-SEP-09	R943963
Nickel (Ni)-Total	<0.0020		0.0020	mg/L		16-SEP-09	R943963
Selenium (Se)-Total	<0.00040		0.00040	mg/L		16-SEP-09	R943963
Silver (Ag)-Total	<0.00010		0.00010	mg/L		16-SEP-09	R943963
Thallium (Tl)-Total	<0.00010		0.00010	mg/L		16-SEP-09	R943963
Tin (Sn)-Total	<0.050		0.050	mg/L		16-SEP-09	R943963
Titanium (Ti)-Total	<0.0010		0.0010	mg/L		16-SEP-09	R943963
Uranium (U)-Total	<0.00010		0.00010	mg/L		16-SEP-09	R943963
Vanadium (V)-Total	<0.0010		0.0010	mg/L		16-SEP-09	R943963
Zinc (Zn)-Total	<0.0040		0.0040	mg/L		16-SEP-09	R943963
Total Metals in Water by ICPOES (Low)							
Calcium (Ca)-Total	0.92		0.50	mg/L		16-SEP-09	R946689
Iron (Fe)-Total	0.030		0.010	mg/L		16-SEP-09	R946689
Magnesium (Mg)-Total	0.48		0.10	mg/L		16-SEP-09	R946689

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ALS LABORATORY GROUP ANALYTICAL REPORT

Sample Details/Parameters		Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L817982-9	LUP-21							
Sampled By: RO on 13-SEP-09 @ 11:45								
Matrix: WATER								
Total Metals in Water by ICPOES (Low)								
Manganese (Mn)-Total		<0.0020		0.0020	mg/L		16-SEP-09	R946689
Potassium (K)-Total		0.20		0.10	mg/L		16-SEP-09	R946689
Sodium (Na)-Total		<1.0		1.0	mg/L		16-SEP-09	R946689
Miscellaneous Parameters								
Alkalinity, Total (as CaCO3)		<5.0		5.0	mg/L		16-SEP-09	R945972
Ammonia-N		<0.050		0.050	mg/L		16-SEP-09	R945982
Cyanide, Total		<0.0020		0.0020	mg/L	17-SEP-09	17-SEP-09	R946839
Hardness (as CaCO3)		4.3			mg/L		17-SEP-09	
Special Request		See Attached					17-SEP-09	R977330
Total Suspended Solids		<3.0		3.0	mg/L		17-SEP-09	R946889
pH		6.55		0.10	pH		16-SEP-09	R945972
L817982-10	LUP-22							
Sampled By: RO on 13-SEP-09 @ 12:00								
Matrix: WATER								
Total Metals - CCME								
Mercury (Hg) - Total								
Mercury (Hg)-Total		<0.00010		0.00010	mg/L		17-SEP-09	R947032
Total Metals in Water by ICPMS (Low)								
Aluminum (Al)-Total		0.036		0.010	mg/L		16-SEP-09	R943963
Antimony (Sb)-Total		<0.00040		0.00040	mg/L		16-SEP-09	R943963
Arsenic (As)-Total		0.00155		0.00040	mg/L		16-SEP-09	R943963
Barium (Ba)-Total		0.0182		0.0030	mg/L		16-SEP-09	R943963
Beryllium (Be)-Total		<0.0010		0.0010	mg/L		16-SEP-09	R943963
Boron (B)-Total		<0.050		0.050	mg/L		16-SEP-09	R943963
Cadmium (Cd)-Total		0.000180		0.000050	mg/L		16-SEP-09	R943963
Chromium (Cr)-Total		<0.0050		0.0050	mg/L		16-SEP-09	R943963
Cobalt (Co)-Total		0.0160		0.0020	mg/L		16-SEP-09	R943963
Copper (Cu)-Total		0.0016		0.0010	mg/L		16-SEP-09	R943963
Lead (Pb)-Total		<0.00010		0.00010	mg/L		16-SEP-09	R943963
Lithium (Li)-Total		0.016		0.010	mg/L		16-SEP-09	R943963
Molybdenum (Mo)-Total		<0.0050		0.0050	mg/L		16-SEP-09	R943963
Nickel (Ni)-Total		0.0534		0.0020	mg/L		16-SEP-09	R943963
Selenium (Se)-Total		<0.0020	DLM	0.0020	mg/L		16-SEP-09	R943963
Silver (Ag)-Total		0.00017		0.00010	mg/L		16-SEP-09	R943963
Thallium (Tl)-Total		<0.00010		0.00010	mg/L		16-SEP-09	R943963
Tin (Sn)-Total		<0.050		0.050	mg/L		16-SEP-09	R943963
Titanium (Ti)-Total		<0.0010		0.0010	mg/L		16-SEP-09	R943963
Uranium (U)-Total		<0.00010		0.00010	mg/L		16-SEP-09	R943963
Vanadium (V)-Total		<0.0010		0.0010	mg/L		16-SEP-09	R943963
Zinc (Zn)-Total		0.143		0.0040	mg/L		16-SEP-09	R943963
Total Metals in Water by ICPOES (Low)								
Calcium (Ca)-Total		44.8		0.50	mg/L		16-SEP-09	R946689
Iron (Fe)-Total		0.034		0.010	mg/L		16-SEP-09	R946689
Magnesium (Mg)-Total		4.49		0.10	mg/L		16-SEP-09	R946689
Manganese (Mn)-Total		0.390		0.0020	mg/L		16-SEP-09	R946689
Potassium (K)-Total		3.67		0.10	mg/L		16-SEP-09	R946689
Sodium (Na)-Total		43.0		1.0	mg/L		16-SEP-09	R946689
Miscellaneous Parameters								
Alkalinity, Total (as CaCO3)		<5.0		5.0	mg/L		16-SEP-09	R945972
Ammonia-N		0.111		0.050	mg/L		16-SEP-09	R945982

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ALS LABORATORY GROUP ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L817982-10 LUP-22 Sampled By: RO on 13-SEP-09 @ 12:00 Matrix: WATER							
Cyanide, Total	<0.0020		0.0020	mg/L	17-SEP-09	17-SEP-09	R946839
Hardness (as CaCO3)	130			mg/L		17-SEP-09	
Total Suspended Solids	<3.0		3.0	mg/L		17-SEP-09	R946889
pH	5.98		0.10	pH		16-SEP-09	R945972
L817982-11 LUP-24 Sampled By: RO on 13-SEP-09 @ 12:25 Matrix: WATER							
Total Metals - CCME							
Mercury (Hg) - Total							
Mercury (Hg)-Total	<0.00010		0.00010	mg/L		17-SEP-09	R947032
Total Metals in Water by ICPMS (Low)							
Aluminum (Al)-Total	0.017		0.010	mg/L		16-SEP-09	R943963
Antimony (Sb)-Total	<0.00040		0.00040	mg/L		16-SEP-09	R943963
Arsenic (As)-Total	0.00080		0.00040	mg/L		16-SEP-09	R943963
Barium (Ba)-Total	0.0126		0.0030	mg/L		16-SEP-09	R943963
Beryllium (Be)-Total	<0.0010		0.0010	mg/L		16-SEP-09	R943963
Boron (B)-Total	<0.050		0.050	mg/L		16-SEP-09	R943963
Cadmium (Cd)-Total	0.000135		0.000050	mg/L		16-SEP-09	R943963
Chromium (Cr)-Total	<0.0050		0.0050	mg/L		16-SEP-09	R943963
Cobalt (Co)-Total	0.0031		0.0020	mg/L		16-SEP-09	R943963
Copper (Cu)-Total	0.0013		0.0010	mg/L		16-SEP-09	R943963
Lead (Pb)-Total	0.00043		0.00010	mg/L		16-SEP-09	R943963
Lithium (Li)-Total	<0.010		0.010	mg/L		16-SEP-09	R943963
Molybdenum (Mo)-Total	<0.0050		0.0050	mg/L		16-SEP-09	R943963
Nickel (Ni)-Total	0.0187		0.0020	mg/L		16-SEP-09	R943963
Selenium (Se)-Total	0.00078		0.00040	mg/L		16-SEP-09	R943963
Silver (Ag)-Total	0.00010		0.00010	mg/L		16-SEP-09	R943963
Thallium (Tl)-Total	<0.00010		0.00010	mg/L		16-SEP-09	R943963
Tin (Sn)-Total	<0.050		0.050	mg/L		16-SEP-09	R943963
Titanium (Ti)-Total	<0.0010		0.0010	mg/L		16-SEP-09	R943963
Uranium (U)-Total	<0.00010		0.00010	mg/L		16-SEP-09	R943963
Vanadium (V)-Total	<0.0010		0.0010	mg/L		16-SEP-09	R943963
Zinc (Zn)-Total	0.0437		0.0040	mg/L		16-SEP-09	R943963
Total Metals in Water by ICPOES (Low)							
Calcium (Ca)-Total	16.9		0.50	mg/L		16-SEP-09	R946689
Iron (Fe)-Total	0.021		0.010	mg/L		16-SEP-09	R946689
Magnesium (Mg)-Total	2.11		0.10	mg/L		16-SEP-09	R946689
Manganese (Mn)-Total	0.0872		0.0020	mg/L		16-SEP-09	R946689
Potassium (K)-Total	1.49		0.10	mg/L		16-SEP-09	R946689
Sodium (Na)-Total	16.7		1.0	mg/L		16-SEP-09	R946689
Miscellaneous Parameters							
Alkalinity, Total (as CaCO3)	<5.0		5.0	mg/L		16-SEP-09	R945972
Ammonia-N	<0.050		0.050	mg/L		16-SEP-09	R945982
Cyanide, Total	<0.0020		0.0020	mg/L	17-SEP-09	17-SEP-09	R946839
Hardness (as CaCO3)	50.9			mg/L		17-SEP-09	
Special Request	See Attached					17-SEP-09	R977330
Total Suspended Solids	<3.0		3.0	mg/L		17-SEP-09	R946889
pH	6.44		0.10	pH		16-SEP-09	R945972
L817982-12 LUP-25 Sampled By: RO on 13-SEP-09 @ 12:30 Matrix: WATER							

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS LABORATORY GROUP ANALYTICAL REPORT

Sample Details/Parameters		Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L817982-12 LUP-25								
Sampled By: RO on 13-SEP-09 @ 12:30								
Matrix: WATER								
Total Metals - CCME								
Mercury (Hg) - Total								
Mercury (Hg)-Total		<0.00010		0.00010	mg/L		17-SEP-09	R947032
Total Metals in Water by ICPMS (Low)								
Aluminum (Al)-Total		0.013		0.010	mg/L		16-SEP-09	R943963
Antimony (Sb)-Total		<0.00040		0.00040	mg/L		16-SEP-09	R943963
Arsenic (As)-Total		0.00044		0.00040	mg/L		16-SEP-09	R943963
Barium (Ba)-Total		<0.0030		0.0030	mg/L		16-SEP-09	R943963
Beryllium (Be)-Total		<0.0010		0.0010	mg/L		16-SEP-09	R943963
Boron (B)-Total		<0.050		0.050	mg/L		16-SEP-09	R943963
Cadmium (Cd)-Total		<0.000050		0.000050	mg/L		16-SEP-09	R943963
Chromium (Cr)-Total		<0.0050		0.0050	mg/L		16-SEP-09	R943963
Cobalt (Co)-Total		<0.0020		0.0020	mg/L		16-SEP-09	R943963
Copper (Cu)-Total		0.0021		0.0010	mg/L		16-SEP-09	R943963
Lead (Pb)-Total		0.00053		0.00010	mg/L		16-SEP-09	R943963
Lithium (Li)-Total		<0.010		0.010	mg/L		16-SEP-09	R943963
Molybdenum (Mo)-Total		<0.0050		0.0050	mg/L		16-SEP-09	R943963
Nickel (Ni)-Total		0.0027		0.0020	mg/L		16-SEP-09	R943963
Selenium (Se)-Total		<0.00040		0.00040	mg/L		16-SEP-09	R943963
Silver (Ag)-Total		<0.00010		0.00010	mg/L		16-SEP-09	R943963
Thallium (Tl)-Total		<0.00010		0.00010	mg/L		16-SEP-09	R943963
Tin (Sn)-Total		<0.050		0.050	mg/L		16-SEP-09	R943963
Titanium (Ti)-Total		<0.0010		0.0010	mg/L		16-SEP-09	R943963
Uranium (U)-Total		<0.00010		0.00010	mg/L		16-SEP-09	R943963
Vanadium (V)-Total		<0.0010		0.0010	mg/L		16-SEP-09	R943963
Zinc (Zn)-Total		0.0331		0.0040	mg/L		16-SEP-09	R943963
Total Metals in Water by ICPOES (Low)								
Calcium (Ca)-Total		1.73		0.50	mg/L		16-SEP-09	R946689
Iron (Fe)-Total		<0.010		0.010	mg/L		16-SEP-09	R946689
Magnesium (Mg)-Total		0.55		0.10	mg/L		16-SEP-09	R946689
Manganese (Mn)-Total		0.0052		0.0020	mg/L		16-SEP-09	R946689
Potassium (K)-Total		0.41		0.10	mg/L		16-SEP-09	R946689
Sodium (Na)-Total		1.3		1.0	mg/L		16-SEP-09	R946689
Miscellaneous Parameters								
Alkalinity, Total (as CaCO3)		<5.0		5.0	mg/L		16-SEP-09	R945972
Ammonia-N		<0.050		0.050	mg/L		16-SEP-09	R945982
Cyanide, Total		<0.0020		0.0020	mg/L	17-SEP-09	17-SEP-09	R946839
Hardness (as CaCO3)		6.6			mg/L		17-SEP-09	
Total Suspended Solids		<3.0		3.0	mg/L		17-SEP-09	R946889
pH		6.51		0.10	pH		16-SEP-09	R945972
L817982-13 LUP-20D								
Sampled By: RO on 13-SEP-09 @ 11:25								
Matrix: WATER								
Total Metals - CCME								
Mercury (Hg) - Total								
Mercury (Hg)-Total		<0.00010		0.00010	mg/L		17-SEP-09	R947032
Total Metals in Water by ICPMS (Low)								
Aluminum (Al)-Total		0.062		0.010	mg/L		16-SEP-09	R943963
Antimony (Sb)-Total		<0.00040		0.00040	mg/L		16-SEP-09	R943963
Arsenic (As)-Total		0.00246		0.00040	mg/L		16-SEP-09	R943963
Barium (Ba)-Total		0.0195		0.0030	mg/L		16-SEP-09	R943963
Beryllium (Be)-Total		<0.0010		0.0010	mg/L		16-SEP-09	R943963

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS LABORATORY GROUP ANALYTICAL REPORT

Sample Details/Parameters		Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L817982-13	LUP-20D							
Sampled By:	RO on 13-SEP-09 @ 11:25							
Matrix:	WATER							
Total Metals in Water by ICPMS (Low)								
Boron (B)-Total	0.075			0.050	mg/L		16-SEP-09	R943963
Cadmium (Cd)-Total	0.000275			0.000050	mg/L		16-SEP-09	R943963
Chromium (Cr)-Total	<0.0050			0.0050	mg/L		16-SEP-09	R943963
Cobalt (Co)-Total	0.0323			0.0020	mg/L		16-SEP-09	R943963
Copper (Cu)-Total	0.0023			0.0010	mg/L		16-SEP-09	R943963
Lead (Pb)-Total	<0.00010			0.00010	mg/L		16-SEP-09	R943963
Lithium (Li)-Total	0.025			0.010	mg/L		16-SEP-09	R943963
Molybdenum (Mo)-Total	<0.0050			0.0050	mg/L		16-SEP-09	R943963
Nickel (Ni)-Total	0.0842			0.0020	mg/L		16-SEP-09	R943963
Selenium (Se)-Total	<0.0020		DLM	0.0020	mg/L		16-SEP-09	R943963
Silver (Ag)-Total	<0.00010			0.00010	mg/L		16-SEP-09	R943963
Thallium (Tl)-Total	<0.00010			0.00010	mg/L		16-SEP-09	R943963
Tin (Sn)-Total	<0.050			0.050	mg/L		16-SEP-09	R943963
Titanium (Ti)-Total	<0.0010			0.0010	mg/L		16-SEP-09	R943963
Uranium (U)-Total	<0.00010			0.00010	mg/L		16-SEP-09	R943963
Vanadium (V)-Total	<0.0010			0.0010	mg/L		16-SEP-09	R943963
Zinc (Zn)-Total	0.234			0.0040	mg/L		16-SEP-09	R943963
Total Metals in Water by ICPOES (Low)								
Calcium (Ca)-Total	66.2			0.50	mg/L		16-SEP-09	R946689
Iron (Fe)-Total	0.049			0.010	mg/L		16-SEP-09	R946689
Magnesium (Mg)-Total	6.27			0.10	mg/L		16-SEP-09	R946689
Manganese (Mn)-Total	0.691			0.0020	mg/L		16-SEP-09	R946689
Potassium (K)-Total	5.46			0.10	mg/L		16-SEP-09	R946689
Sodium (Na)-Total	64.1			1.0	mg/L		16-SEP-09	R946689
Miscellaneous Parameters								
Alkalinity, Total (as CaCO3)	<5.0			5.0	mg/L		16-SEP-09	R945972
Ammonia-N	0.192			0.050	mg/L		16-SEP-09	R945982
Cyanide, Total	<0.0020			0.0020	mg/L	17-SEP-09	17-SEP-09	R946839
Hardness (as CaCO3)	191				mg/L		17-SEP-09	
Total Suspended Solids	<3.0			3.0	mg/L		17-SEP-09	R946889
pH	5.72			0.10	pH		16-SEP-09	R945972
L817982-14	FIELD BLANK							
Sampled By:	RO on 13-SEP-09 @ 13:50							
Matrix:	WATER							
Total Metals - CCME								
Mercury (Hg) - Total								
Mercury (Hg)-Total	<0.00010			0.00010	mg/L		17-SEP-09	R947032
Total Metals in Water by ICPMS (Low)								
Aluminum (Al)-Total	<0.010			0.010	mg/L		16-SEP-09	R943963
Antimony (Sb)-Total	<0.00040			0.00040	mg/L		16-SEP-09	R943963
Arsenic (As)-Total	<0.00040			0.00040	mg/L		16-SEP-09	R943963
Barium (Ba)-Total	<0.0030			0.0030	mg/L		16-SEP-09	R943963
Beryllium (Be)-Total	<0.0010			0.0010	mg/L		16-SEP-09	R943963
Boron (B)-Total	<0.050			0.050	mg/L		16-SEP-09	R943963
Cadmium (Cd)-Total	<0.000050			0.000050	mg/L		16-SEP-09	R943963
Chromium (Cr)-Total	<0.0050			0.0050	mg/L		16-SEP-09	R943963
Cobalt (Co)-Total	<0.0020			0.0020	mg/L		16-SEP-09	R943963
Copper (Cu)-Total	<0.0010			0.0010	mg/L		16-SEP-09	R943963
Lead (Pb)-Total	<0.00010			0.00010	mg/L		16-SEP-09	R943963
Lithium (Li)-Total	<0.010			0.010	mg/L		16-SEP-09	R943963
Molybdenum (Mo)-Total	<0.0050			0.0050	mg/L		16-SEP-09	R943963

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS LABORATORY GROUP ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L817982-14 FIELD BLANK							
Sampled By: RO on 13-SEP-09 @ 13:50							
Matrix: WATER							
Total Metals in Water by ICPMS (Low)							
Nickel (Ni)-Total	<0.0020		0.0020	mg/L		16-SEP-09	R943963
Selenium (Se)-Total	<0.00040		0.00040	mg/L		16-SEP-09	R943963
Silver (Ag)-Total	<0.00010		0.00010	mg/L		16-SEP-09	R943963
Thallium (Tl)-Total	<0.00010		0.00010	mg/L		16-SEP-09	R943963
Tin (Sn)-Total	<0.050		0.050	mg/L		16-SEP-09	R943963
Titanium (Ti)-Total	<0.0010		0.0010	mg/L		16-SEP-09	R943963
Uranium (U)-Total	<0.00010		0.00010	mg/L		16-SEP-09	R943963
Vanadium (V)-Total	<0.0010		0.0010	mg/L		16-SEP-09	R943963
Zinc (Zn)-Total	<0.0040		0.0040	mg/L		16-SEP-09	R943963
Total Metals in Water by ICPOES (Low)							
Calcium (Ca)-Total	<0.50		0.50	mg/L		16-SEP-09	R946689
Iron (Fe)-Total	<0.010		0.010	mg/L		16-SEP-09	R946689
Magnesium (Mg)-Total	<0.10		0.10	mg/L		16-SEP-09	R946689
Manganese (Mn)-Total	<0.0020		0.0020	mg/L		16-SEP-09	R946689
Potassium (K)-Total	<0.10		0.10	mg/L		16-SEP-09	R946689
Sodium (Na)-Total	<1.0		1.0	mg/L		16-SEP-09	R946689
Miscellaneous Parameters							
Alkalinity, Total (as CaCO3)	<5.0		5.0	mg/L		16-SEP-09	R945972
Cyanide, Total	<0.0020		0.0020	mg/L	17-SEP-09	17-SEP-09	R946839
Hardness (as CaCO3)	<1.3			mg/L		17-SEP-09	
Total Suspended Solids	<3.0		3.0	mg/L		17-SEP-09	R946889
pH	5.90		0.10	pH		16-SEP-09	R945972
L817982-15 LUP-14							
Sampled By: RO on 13-SEP-09 @ 13:35							
Matrix: WATER							
Total Metals - CCME							
Mercury (Hg) - Total							
Mercury (Hg)-Total	<0.00010		0.00010	mg/L		17-SEP-09	R947032
Total Metals in Water by ICPMS (Low)							
Aluminum (Al)-Total	0.016		0.010	mg/L		16-SEP-09	R943963
Antimony (Sb)-Total	<0.00040		0.00040	mg/L		16-SEP-09	R943963
Arsenic (As)-Total	0.00562		0.00040	mg/L		16-SEP-09	R943963
Barium (Ba)-Total	0.0110		0.0030	mg/L		16-SEP-09	R943963
Beryllium (Be)-Total	<0.0010		0.0010	mg/L		16-SEP-09	R943963
Boron (B)-Total	<0.050		0.050	mg/L		16-SEP-09	R943963
Cadmium (Cd)-Total	<0.000050		0.000050	mg/L		16-SEP-09	R943963
Chromium (Cr)-Total	<0.0050		0.0050	mg/L		16-SEP-09	R943963
Cobalt (Co)-Total	<0.0020		0.0020	mg/L		16-SEP-09	R943963
Copper (Cu)-Total	0.0015		0.0010	mg/L		16-SEP-09	R943963
Lead (Pb)-Total	<0.00010		0.00010	mg/L		16-SEP-09	R943963
Lithium (Li)-Total	0.044		0.010	mg/L		16-SEP-09	R943963
Molybdenum (Mo)-Total	<0.0050		0.0050	mg/L		16-SEP-09	R943963
Nickel (Ni)-Total	0.0058		0.0020	mg/L		16-SEP-09	R943963
Selenium (Se)-Total	<0.0020	DLM	0.0020	mg/L		16-SEP-09	R943963
Silver (Ag)-Total	<0.00010		0.00010	mg/L		16-SEP-09	R943963
Thallium (Tl)-Total	<0.00010		0.00010	mg/L		16-SEP-09	R943963
Tin (Sn)-Total	<0.050		0.050	mg/L		16-SEP-09	R943963
Titanium (Ti)-Total	<0.0010		0.0010	mg/L		16-SEP-09	R943963
Uranium (U)-Total	<0.00010		0.00010	mg/L		16-SEP-09	R943963
Vanadium (V)-Total	<0.0010		0.0010	mg/L		16-SEP-09	R943963
Zinc (Zn)-Total	<0.0040		0.0040	mg/L		16-SEP-09	R943963

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

Sample Details/Parameters		Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L817982-15 LUP-14								
Sampled By: RO on 13-SEP-09 @ 13:35								
Matrix: WATER								
Total Metals in Water by ICPOES (Low)								
Calcium (Ca)-Total		31.5		0.50	mg/L		16-SEP-09	R946689
Iron (Fe)-Total		0.091		0.010	mg/L		16-SEP-09	R946689
Magnesium (Mg)-Total		4.97		0.10	mg/L		16-SEP-09	R946689
Manganese (Mn)-Total		0.0097		0.0020	mg/L		16-SEP-09	R946689
Potassium (K)-Total		3.54		0.10	mg/L		16-SEP-09	R946689
Sodium (Na)-Total		25.7		1.0	mg/L		16-SEP-09	R946689
Miscellaneous Parameters								
Alkalinity, Total (as CaCO3)		21.7		5.0	mg/L		16-SEP-09	R945972
Ammonia-N		<0.050		0.050	mg/L		16-SEP-09	R945982
Biochemical Oxygen Demand		<2.0		2.0	mg/L		16-SEP-09	R951046
Cyanide, Total		<0.0020		0.0020	mg/L	17-SEP-09	17-SEP-09	R946839
Hardness (as CaCO3)		99.0			mg/L		17-SEP-09	
Total Suspended Solids		4.0		3.0	mg/L		17-SEP-09	R946889
pH		7.44		0.10	pH		16-SEP-09	R945972

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

Reference Information

QC Samples with Qualifiers & Comments:

QC Type Description	Parameter	Qualifier	Applies to Sample Number(s)
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Sample Parameter Qualifier Key:

Qualifier	Description
DLM	Detection Limit Adjustment For Sample Matrix Effects
E	Matrix Spike recovery outside ALS DQO due to analyte background in sample.

Test Method References:

ALS Test Code	Matrix	Test Description	Method Reference**
ALK-TOT-ED	Water	Alkalinity, Total	APHA 2320 B-Auto-Pot. Titration
BOD-ED	Water	Biochemical Oxygen Demand (BOD)	APHA 5210 B-5 day Incub.-O2 electrode
CN-TOT-WT	Water	Cyanide, Total	APHA 4500CN C E-STRONG ACID DIST COLORIM
Total cyanide is determined by the combination of UV digestion and distillation. Cyanide is converted to cyanogen chloride by reacting with chloramine-T, the cyanogen chloride then reacts with a combination of barbituric acid and isonicotinic acid to form a highly colored complex.			
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)	APHA 3120 B-ICP-OES
MET-T-L-MS-ED	Water	Total Metals in Water by ICPMS (Low)	SW 846 - 6020-ICPMS
NH4-ED	Water	Ammonia-N	APHA4500NH3F Colorimetry
PH-ED	Water	pH	APHA 4500 H-Electrode
SOLIDS-TOTSUS-ED	Water	Total Suspended Solids	APHA 2540 D-Gravimetric
SPECIAL REQUEST-SR	Misc.	Special Request SRC	SEE SUBLET LAB RESULTS

** ALS test methods may incorporate modifications from specified reference methods to improve performance.

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
WT	ALS LABORATORY GROUP - WATERLOO, ONTARIO, CANADA
SR	Saskatchewan Research Council - Saskatoon, Saskatchewan, Can
ED	ALS LABORATORY GROUP - EDMONTON, ALBERTA, CANADA

Chain of Custody Numbers:

08-012360	08-012364
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GLOSSARY OF REPORT TERMS

Surrogates are compounds that are similar in behaviour to target analyte(s), but that do not normally occur in environmental samples. For applicable tests, surrogates are added to samples prior to analysis as a check on recovery. In reports that display the D.L. column, laboratory objectives for surrogates are listed there.

mg/kg - milligrams per kilogram based on dry weight of sample

mk/kg wwt - milligrams per kilogram based on wet weight of sample

mg/kg lwt - milligrams per kilogram based on lipid-adjusted weight

mg/L - 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.

Analytical results in unsigned test reports with the DRAFT watermark are subject to change, pending final QC review.

SRC ANALYTICAL

Oct 07, 2009

422 Downey Road
Saskatoon, Saskatchewan, Canada
S7N 4N1
(306) 933-6932 or 1-800-240-8808
Fax: (306) 933-7922

ALS
9936-67th Avenue
Edmonton, Alberta T6E 0P5
Attn: ALSED Reporting

Page 1 of 3

Sample # **42439**
Date Sampled: **Sep 13, 2009**
Sample Matrix: **WATER**
Description: **L817982-6 LUP-10**

Client PO #: **L817982**
Date Received: **Sep 17, 2009**

Analyte	Units	Result	DL
Radio Chemistry			
Radium-226	Bq/L	0.02	0.005

SRC ANALYTICAL

Oct 07, 2009

ALS

Page 2 of 3

Sample # **42440**
Date Sampled: **Sep 13, 2009**
Sample Matrix: **WATER**
Description: **L817982-9 LUP-21**

Client PO #: **L817982**
Date Received: **Sep 17, 2009**

Analyte	Units	Result	DL
Radio Chemistry			
Radium-226	Bq/L	<0.005	0.005

"<": not detected at level stated above.

SRC ANALYTICAL

Oct 07, 2009

ALS

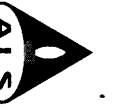
Page 3 of 3

Sample # **42441**
Date Sampled: **Sep 13, 2009**
Sample Matrix: **WATER**
Description: **L817982-11 LUP-24**

Client PO #: **L817982**
Date Received: **Sep 17, 2009**

Analyte	Units	Result	DL
Radio Chemistry			
Radium-226	Bq/L	<0.005	0.005

"<": not detected at level stated above.



Report to: MMG ACT # 16023		Report Format / Distribution		Standard: Other: ☒ Regular (Default)		Service Requested: (rush - subject to availability)	
Contact: ANDREW MITCHELL		Select: PDF ☒ Excel ☐ Digital ☐		Priority (2-3 Business Days) - 50% Surcharge			
Address:		Email 1: ANDREW MITCHELL		Emergency (1 Business Day) - 100% Surcharge			
Phone:		Email 2:		For Emergency < 1 Day, ASAP or Weekend - Contact ALS			
Invoice To: Same as Report ?		Yes / No ?		Analysis Request			
Company:		Job #:		(Indicate Filtered or Preserved, F/P)			
Contact:		PO / AFE:					
Address:		Legal Site Description:					
Phone:		Fax:					
Lab Work Order # (lab use only)		ALS M. OLNEK		Sampler: R.O.			
Sample #		Sample Identification		Date		Time	
		(This description will appear on the report)				Sample Type	
1	LUP-10 (Q21386)	Sept 08	4:30 PM	WATER			
	LUP-10 (Q21386)	Sept 09	4:30 PM	"			
	LUP-10 (Q21386)	Sept 10	3:45 PM	"			
	LUP-10 (Q21386)	Sept 11	4:30 PM	"			
	LUP-10 (Q21386)	Sept 12	4:30 PM	"			
	LUP-10 (Q21386)	Sept 13	1:25 PM	"			
	LUP-10 (Q21386)	Sept 13	4:30 PM	"			
	LUP-10 (Q21386)	Sept 12	4:30 PM	"			
	LUP-100 (Q21386)	Sept 13	11:45	"			
	LUP-20 (Q21390)	Sept 13	11:45	"			
	LUP-21 (Q21392)	Sept 13	12:00	"			
	LUP-22 (Q21395)	Sept 13	12:00	"			
	LUP-24 (Q21398)	Sept 13	12:25	"			
				Special Instructions / Regulations / Hazardous Details			

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 RECEIPT (lab use only)		SHIPMENT VERIFICATION (lab use only)	
Released by:	Date & Time:	Received by:	Date:	Time:	Temperature:
mmg	15-Sept-09	ail			4.4°C
REFER TO BACK PAGE FOR ALS LOCATIONS AND SAMPLING INFORMATION		WHITE - REPORT COPY, PINK - FILE COPY, YELLOW - CLIENT COPY		GENE 18.00 Front	



Report to: MHC ACT # 16023		Report Format / Distribution		Standard: ☒ Regular (Default)		Service Requested: (rush - subject to availability)	
Company: ANDREW MITCHELL		Other: _____		Priority (2-3 Business Days) - 50% Surcharge			
Contact: ANDREW MITCHELL		Select: PDF ☒ Excel ☐ Digital ☐		Emergency (1 Business Day) - 100% Surcharge			
Address: _____		Email 1: ANDREW MITCHELL		For Emergency < 1 Day, ASAP or Weekend - Contact ALS			
Phone: _____		Email 2: _____		Analysis Request			
Fax: _____		Client / Project Information:		(Indicate Filtered or Preserved, F/P)			
Company: _____		Job #: _____					
Contact: _____		PO / AFE: _____					
Address: _____		Legal Site Description: _____					
Phone: _____		Quote #: _____					
Fax: _____		ALS M. OLIVER		Sampler: PCO			
Lab Work Order # (lab use only)		ALS Contact: _____					
Sample #	Sample Identification (This description will appear on the report)	Date	Time	Sample Type	PM, TSS METALS CN NUTRIENTS ALKALINITY HARDNESS RA 226	Number of Containers	
1	LUP-25 (Q21397)	SEPT 13	12:30	WATER	X	X	4
	LUP-200 (Q21390)	SEPT 13	11:25	"	X	X	4
	FIELD BLANK (Q21390)	SEPT 13	1:50 PM	"	X	X	4
	LUP-14 (Q21389)	SEPT 13	1:35 PM	"	X	X	6
2	COOLERS						

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: _____ Time: _____ Temperature: _____ Verified by: _____ Date & Time: _____

Observations: Yes / No ? If Yes attach SIF

REFER TO BACK PAGE FOR ALS LOCATIONS AND SAMPLING INFORMATION

WHITE - REPORT COPY, PINK - FILE COPY, YELLOW - CLIENT COPY

GENF 18.00 Front