



Environmental Division

Certificate of Analysis

OZ MINERALS CANADA RESOURCES INC.

ATTN: ANDREW MITCHELL

200 - 1159 ALLOY DRIVE

THUNDER BAY ON P7B 6M8

Report Date: 30-SEP-09 09:43 (MT)

Version: FINAL

Lab Work Order #: L821882

Date Received: 23-SEP-09

Project P.O. #: 09-00623

Job Reference:

Legal Site Desc:

CofC Numbers: 08-012365, 08-012391

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

[illegible]

* 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
L821882-2 LUP-10 Sampled By: R.O on 15-SEP-09 @ 16:30 Matrix: Total Metals in Water by ICPMS (Low) Cobalt (Co)-Total Copper (Cu)-Total Lead (Pb)-Total Lithium (Li)-Total Molybdenum (Mo)-Total Nickel (Ni)-Total Selenium (Se)-Total Silver (Ag)-Total Thallium (Tl)-Total Tin (Sn)-Total Titanium (Ti)-Total Uranium (U)-Total Vanadium (V)-Total Zinc (Zn)-Total Total Metals in Water by ICPOES (Low) Calcium (Ca)-Total Iron (Fe)-Total Magnesium (Mg)-Total Manganese (Mn)-Total Potassium (K)-Total Sodium (Na)-Total Miscellaneous Parameters Cyanide, Total Total Suspended Solids pH			DLM					
		0.0437		0.0020	mg/L		27-SEP-09	R960963
		0.0025		0.0010	mg/L		27-SEP-09	R960963
		<0.00010		0.00010	mg/L		27-SEP-09	R960963
		0.030		0.010	mg/L		27-SEP-09	R960963
		<0.0050		0.0050	mg/L		27-SEP-09	R960963
		0.0852		0.0020	mg/L		27-SEP-09	R960963
		<0.0020		0.0020	mg/L		27-SEP-09	R960963
		<0.00010		0.00010	mg/L		27-SEP-09	R960963
		<0.00010		0.00010	mg/L		27-SEP-09	R960963
		<0.050		0.050	mg/L		27-SEP-09	R960963
		<0.0010		0.0010	mg/L		27-SEP-09	R960963
		<0.00010		0.00010	mg/L		27-SEP-09	R960963
		<0.0010		0.0010	mg/L		27-SEP-09	R960963
		0.284		0.0040	mg/L		27-SEP-09	R960963
		74.9		0.50	mg/L		25-SEP-09	R960916
		0.275		0.010	mg/L		25-SEP-09	R960916
		7.46		0.10	mg/L		25-SEP-09	R960916
		0.923		0.0020	mg/L		25-SEP-09	R960916
		6.33		0.10	mg/L		25-SEP-09	R960916
		73.1		1.0	mg/L		25-SEP-09	R960916
		<0.0020		0.0020	mg/L	29-SEP-09	29-SEP-09	R962324
		<3.0		3.0	mg/L		25-SEP-09	R960324
		6.54		0.10	pH		24-SEP-09	R957344
L821882-3 LUP-10 Sampled By: R.O on 16-SEP-09 @ 16:30 Matrix: Total Metals - CCME Mercury (Hg) - Total Mercury (Hg)-Total Total Metals in Water by ICPMS (Low) Aluminum (Al)-Total Antimony (Sb)-Total Arsenic (As)-Total Barium (Ba)-Total Beryllium (Be)-Total Boron (B)-Total Cadmium (Cd)-Total Chromium (Cr)-Total Cobalt (Co)-Total Copper (Cu)-Total Lead (Pb)-Total Lithium (Li)-Total Molybdenum (Mo)-Total Nickel (Ni)-Total Selenium (Se)-Total Silver (Ag)-Total Thallium (Tl)-Total Tin (Sn)-Total Titanium (Ti)-Total			DLM					
		<0.00010		0.00010	mg/L		25-SEP-09	R960219
		0.033		0.010	mg/L		27-SEP-09	R960963
		<0.00040		0.00040	mg/L		27-SEP-09	R960963
		0.0113		0.00040	mg/L		27-SEP-09	R960963
		0.0145		0.0030	mg/L		27-SEP-09	R960963
		<0.0010		0.0010	mg/L		27-SEP-09	R960963
		0.080		0.050	mg/L		27-SEP-09	R960963
		0.000250		0.000050	mg/L		27-SEP-09	R960963
		<0.0050		0.0050	mg/L		27-SEP-09	R960963
		0.0426		0.0020	mg/L		27-SEP-09	R960963
		0.0024		0.0010	mg/L		27-SEP-09	R960963
		<0.00010		0.00010	mg/L		27-SEP-09	R960963
		0.029		0.010	mg/L		27-SEP-09	R960963
		<0.0050		0.0050	mg/L		27-SEP-09	R960963
		0.0840		0.0020	mg/L		27-SEP-09	R960963
		<0.0020		0.0020	mg/L		27-SEP-09	R960963
		<0.00010		0.00010	mg/L		27-SEP-09	R960963
		<0.00010		0.00010	mg/L		27-SEP-09	R960963
		<0.050		0.050	mg/L		27-SEP-09	R960963
		<0.0010		0.0010	mg/L		27-SEP-09	R960963

* 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
L821882-3 LUP-10 Sampled By: R.O on 16-SEP-09 @ 16:30 Matrix: Total Metals in Water by ICPMS (Low) Uranium (U)-Total Vanadium (V)-Total Zinc (Zn)-Total Total Metals in Water by ICPOES (Low) Calcium (Ca)-Total Iron (Fe)-Total Magnesium (Mg)-Total Manganese (Mn)-Total Potassium (K)-Total Sodium (Na)-Total Miscellaneous Parameters Cyanide, Total Total Suspended Solids pH	<0.00010 <0.0010 0.272 74.8 0.283 7.16 0.895 6.30 71.8 <0.0020 <3.0 6.79		0.00010 0.0010 0.0040 0.50 0.010 0.10 0.0020 0.10 1.0	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L		27-SEP-09 27-SEP-09 27-SEP-09 25-SEP-09 25-SEP-09 25-SEP-09 25-SEP-09 25-SEP-09 25-SEP-09 29-SEP-09 25-SEP-09 24-SEP-09	R960963 R960963 R960963 R960916 R960916 R960916 R960916 R960916 R960916 R962324 R960324 R957344
L821882-4 LUP-10 Sampled By: R.O on 17-SEP-09 @ 16:15 Matrix: Total Metals - CCME Mercury (Hg) - Total Mercury (Hg)-Total Total Metals in Water by ICPMS (Low) Aluminum (Al)-Total Antimony (Sb)-Total Arsenic (As)-Total Barium (Ba)-Total Beryllium (Be)-Total Boron (B)-Total Cadmium (Cd)-Total Chromium (Cr)-Total Cobalt (Co)-Total Copper (Cu)-Total Lead (Pb)-Total Lithium (Li)-Total Molybdenum (Mo)-Total Nickel (Ni)-Total Selenium (Se)-Total Silver (Ag)-Total Thallium (Tl)-Total Tin (Sn)-Total Titanium (Ti)-Total Uranium (U)-Total Vanadium (V)-Total Zinc (Zn)-Total Total Metals in Water by ICPOES (Low) Calcium (Ca)-Total Iron (Fe)-Total Magnesium (Mg)-Total Manganese (Mn)-Total Potassium (K)-Total Sodium (Na)-Total Miscellaneous Parameters	<0.00010 0.037 <0.00040 0.0113 0.0148 <0.0010 0.079 0.000275 <0.0050 0.0424 0.0027 <0.00010 0.029 <0.0050 0.0837 <0.0020 <0.00010 <0.00010 <0.050 <0.0010 <0.00010 <0.0010 0.269 74.1 0.240 7.18 0.892 6.24 71.5	DLM	0.00010 0.010 0.00040 0.00040 0.0030 0.0010 0.050 0.000050 0.0050 0.0020 0.0010 0.00010 0.010 0.0050 0.0020 0.00010 0.00010 0.0010 0.0010 0.0040 0.50 0.010 0.10 0.0020 0.10 1.0	mg/L mg/L		25-SEP-09 27-SEP-09 25-SEP-09 25-SEP-09 25-SEP-09 25-SEP-09 25-SEP-09 25-SEP-09	R960219 R960963 R960916 R960916 R960916 R960916 R960916 R960916

* 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
L821882-4	LUP-10							
Sampled By: R.O on 17-SEP-09 @ 16:15								
Matrix:								
Cyanide, Total		<0.0020		0.0020	mg/L	29-SEP-09	29-SEP-09	R962324
Total Suspended Solids		<3.0		3.0	mg/L		25-SEP-09	R960324
pH		6.70		0.10	pH		24-SEP-09	R957344
L821882-5	LUP-10							
Sampled By: R.O on 18-SEP-09 @ 16:30								
Matrix:								
Total Metals - CCME								
Mercury (Hg) - Total								
Mercury (Hg)-Total		<0.00010		0.00010	mg/L		25-SEP-09	R960219
Total Metals in Water by ICPMS (Low)								
Aluminum (Al)-Total		0.038		0.010	mg/L		27-SEP-09	R960963
Antimony (Sb)-Total		<0.00040		0.00040	mg/L		27-SEP-09	R960963
Arsenic (As)-Total		0.0129		0.00040	mg/L		27-SEP-09	R960963
Barium (Ba)-Total		0.0147		0.0030	mg/L		27-SEP-09	R960963
Beryllium (Be)-Total		<0.0010		0.0010	mg/L		27-SEP-09	R960963
Boron (B)-Total		0.080		0.050	mg/L		27-SEP-09	R960963
Cadmium (Cd)-Total		0.000255		0.000050	mg/L		27-SEP-09	R960963
Chromium (Cr)-Total		<0.0050		0.0050	mg/L		27-SEP-09	R960963
Cobalt (Co)-Total		0.0430		0.0020	mg/L		27-SEP-09	R960963
Copper (Cu)-Total		0.0027		0.0010	mg/L		27-SEP-09	R960963
Lead (Pb)-Total		<0.00010		0.00010	mg/L		27-SEP-09	R960963
Lithium (Li)-Total		0.029		0.010	mg/L		27-SEP-09	R960963
Molybdenum (Mo)-Total		<0.0050		0.0050	mg/L		27-SEP-09	R960963
Nickel (Ni)-Total		0.0842		0.0020	mg/L		27-SEP-09	R960963
Selenium (Se)-Total		<0.0020		0.0020	mg/L		27-SEP-09	R960963
Silver (Ag)-Total		<0.00010		0.00010	mg/L		27-SEP-09	R960963
Thallium (Tl)-Total		<0.00010		0.00010	mg/L		27-SEP-09	R960963
Tin (Sn)-Total		<0.050		0.050	mg/L		27-SEP-09	R960963
Titanium (Ti)-Total		<0.0010		0.0010	mg/L		27-SEP-09	R960963
Uranium (U)-Total		<0.00010		0.00010	mg/L		27-SEP-09	R960963
Vanadium (V)-Total		<0.0010		0.0010	mg/L		27-SEP-09	R960963
Zinc (Zn)-Total		0.272		0.0040	mg/L		27-SEP-09	R960963
Total Metals in Water by ICPOES (Low)								
Calcium (Ca)-Total		77.0		0.50	mg/L		25-SEP-09	R960916
Iron (Fe)-Total		0.278		0.010	mg/L		25-SEP-09	R960916
Magnesium (Mg)-Total		7.57		0.10	mg/L		25-SEP-09	R960916
Manganese (Mn)-Total		0.915		0.0020	mg/L		25-SEP-09	R960916
Potassium (K)-Total		6.36		0.10	mg/L		25-SEP-09	R960916
Sodium (Na)-Total		73.4		1.0	mg/L		25-SEP-09	R960916
Miscellaneous Parameters								
Cyanide, Total		<0.0020		0.0020	mg/L	29-SEP-09	29-SEP-09	R962324
Total Suspended Solids		<3.0		3.0	mg/L		25-SEP-09	R960324
pH		6.62		0.10	pH		24-SEP-09	R957344
L821882-6	LUP-10							
Sampled By: R.O on 19-SEP-09 @ 16:00								
Matrix:								
Total Metals - CCME								
Mercury (Hg) - Total								
Mercury (Hg)-Total		<0.00010		0.00010	mg/L		25-SEP-09	R960219
Total Metals in Water by ICPMS (Low)								
Aluminum (Al)-Total		0.032		0.010	mg/L		27-SEP-09	R960963

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ALS LABORATORY GROUP ANALYTICAL REPORT

Sample Details/Parameters		Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L821882-6 LUP-10 Sampled By: R.O on 19-SEP-09 @ 16:00 Matrix: Total Metals in Water by ICPMS (Low) Antimony (Sb)-Total Arsenic (As)-Total Barium (Ba)-Total Beryllium (Be)-Total Boron (B)-Total Cadmium (Cd)-Total Chromium (Cr)-Total Cobalt (Co)-Total Copper (Cu)-Total Lead (Pb)-Total Lithium (Li)-Total Molybdenum (Mo)-Total Nickel (Ni)-Total Selenium (Se)-Total Silver (Ag)-Total Thallium (Tl)-Total Tin (Sn)-Total Titanium (Ti)-Total Uranium (U)-Total Vanadium (V)-Total Zinc (Zn)-Total Total Metals in Water by ICPOES (Low) Calcium (Ca)-Total Iron (Fe)-Total Magnesium (Mg)-Total Manganese (Mn)-Total Potassium (K)-Total Sodium (Na)-Total Miscellaneous Parameters Cyanide, Total Total Suspended Solids pH								
		<0.00040		0.00040	mg/L		27-SEP-09	R960963
		0.0113		0.00040	mg/L		27-SEP-09	R960963
		0.0148		0.0030	mg/L		27-SEP-09	R960963
		<0.0010		0.0010	mg/L		27-SEP-09	R960963
		0.080		0.050	mg/L		27-SEP-09	R960963
		0.000240		0.000050	mg/L		27-SEP-09	R960963
		<0.0050		0.0050	mg/L		27-SEP-09	R960963
		0.0436		0.0020	mg/L		27-SEP-09	R960963
		0.0026		0.0010	mg/L		27-SEP-09	R960963
		<0.00010		0.00010	mg/L		27-SEP-09	R960963
		0.029		0.010	mg/L		27-SEP-09	R960963
		<0.0050		0.0050	mg/L		27-SEP-09	R960963
		0.0860		0.0020	mg/L		27-SEP-09	R960963
		<0.0020	DLM	0.0020	mg/L		27-SEP-09	R960963
		<0.00010		0.00010	mg/L		27-SEP-09	R960963
		<0.00010		0.00010	mg/L		27-SEP-09	R960963
		<0.050		0.050	mg/L		27-SEP-09	R960963
		<0.0010		0.0010	mg/L		27-SEP-09	R960963
		<0.00010		0.00010	mg/L		27-SEP-09	R960963
		<0.0010		0.0010	mg/L		27-SEP-09	R960963
		0.277		0.0040	mg/L		27-SEP-09	R960963
		76.4		0.50	mg/L		25-SEP-09	R960916
		0.241		0.010	mg/L		25-SEP-09	R960916
		7.48		0.10	mg/L		25-SEP-09	R960916
		0.927		0.0020	mg/L		25-SEP-09	R960916
		6.31		0.10	mg/L		25-SEP-09	R960916
		72.3		1.0	mg/L		25-SEP-09	R960916
		<0.0020		0.0020	mg/L	29-SEP-09	29-SEP-09	R962324
		<3.0		3.0	mg/L		25-SEP-09	R960324
		6.59		0.10	pH		24-SEP-09	R957344
L821882-7 LUP-10 Sampled By: R.O on 20-SEP-09 @ 15:15 Matrix: Total Metals - CCME Mercury (Hg) - Total Mercury (Hg)-Total Total Metals in Water by ICPMS (Low) Aluminum (Al)-Total Antimony (Sb)-Total Arsenic (As)-Total Barium (Ba)-Total Beryllium (Be)-Total Boron (B)-Total Cadmium (Cd)-Total Chromium (Cr)-Total Cobalt (Co)-Total Copper (Cu)-Total Lead (Pb)-Total Lithium (Li)-Total								
		<0.00010		0.00010	mg/L		25-SEP-09	R960219
		0.048		0.010	mg/L		27-SEP-09	R960963
		<0.00040		0.00040	mg/L		27-SEP-09	R960963
		0.0127		0.00040	mg/L		27-SEP-09	R960963
		0.0146		0.0030	mg/L		27-SEP-09	R960963
		<0.0010		0.0010	mg/L		27-SEP-09	R960963
		0.078		0.050	mg/L		27-SEP-09	R960963
		0.000280		0.000050	mg/L		27-SEP-09	R960963
		<0.0050		0.0050	mg/L		27-SEP-09	R960963
		0.0436		0.0020	mg/L		27-SEP-09	R960963
		0.0029		0.0010	mg/L		27-SEP-09	R960963
		<0.00010		0.00010	mg/L		27-SEP-09	R960963
		0.029		0.010	mg/L		27-SEP-09	R960963

* 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
L821882-7 LUP-10 Sampled By: R.O on 20-SEP-09 @ 15:15 Matrix: Total Metals in Water by ICPMS (Low) Molybdenum (Mo)-Total Nickel (Ni)-Total Selenium (Se)-Total Silver (Ag)-Total Thallium (Tl)-Total Tin (Sn)-Total Titanium (Ti)-Total Uranium (U)-Total Vanadium (V)-Total Zinc (Zn)-Total Total Metals in Water by ICPOES (Low) Calcium (Ca)-Total Iron (Fe)-Total Magnesium (Mg)-Total Manganese (Mn)-Total Potassium (K)-Total Sodium (Na)-Total Miscellaneous Parameters Cyanide, Total Total Suspended Solids pH	<0.0050 0.0858 <0.0020 <0.00010 <0.00010 <0.050 <0.0010 <0.00010 <0.0010 0.277 74.6 0.269 7.41 0.914 6.47 71.9 <0.0020 3.0 6.60	DLM	0.0050 0.0020 0.0020 0.00010 0.00010 0.050 0.0010 0.00010 0.0010 0.0040 0.50 0.010 0.10 0.0020 0.10 1.0	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L		27-SEP-09 27-SEP-09 27-SEP-09 27-SEP-09 27-SEP-09 27-SEP-09 27-SEP-09 27-SEP-09 27-SEP-09 27-SEP-09 25-SEP-09 25-SEP-09 25-SEP-09 25-SEP-09 25-SEP-09 25-SEP-09 29-SEP-09 25-SEP-09 24-SEP-09	R960963 R960963 R960963 R960963 R960963 R960963 R960963 R960963 R960963 R960963 R960916 R960916 R960916 R960916 R960916 R960916 R962324 R960324 R957344
L821882-8 LUP-10 Sampled By: R.O on 21-SEP-09 @ 16:15 Matrix: Total Metals - CCME Mercury (Hg) - Total Mercury (Hg)-Total Total Metals in Water by ICPMS (Low) Aluminum (Al)-Total Antimony (Sb)-Total Arsenic (As)-Total Barium (Ba)-Total Beryllium (Be)-Total Boron (B)-Total Cadmium (Cd)-Total Chromium (Cr)-Total Cobalt (Co)-Total Copper (Cu)-Total Lead (Pb)-Total Lithium (Li)-Total Molybdenum (Mo)-Total Nickel (Ni)-Total Selenium (Se)-Total Silver (Ag)-Total Thallium (Tl)-Total Tin (Sn)-Total Titanium (Ti)-Total Uranium (U)-Total Vanadium (V)-Total Zinc (Zn)-Total Total Metals in Water by ICPOES (Low)	<0.00010 0.038 <0.00040 0.0114 0.0147 <0.0010 0.080 0.000245 <0.0050 0.0442 0.0027 0.00012 0.029 <0.0050 0.0870 <0.0020 <0.00010 <0.00010 <0.050 <0.0010 <0.00010 <0.0010 0.279	DLM	0.00010 0.010 0.00040 0.00040 0.0030 0.0010 0.050 0.000050 0.0050 0.0020 0.0010 0.00010 0.010 0.0050 0.0020 0.0020 0.00010 0.00010 0.050 0.0010 0.00010 0.0010 0.0040	mg/L mg/L		25-SEP-09 27-SEP-09	R960219 R960963

* 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
L821882-8	LUP-10							
Sampled By: R.O on 21-SEP-09 @ 16:15								
Matrix:								
Total Metals in Water by ICPOES (Low)								
Calcium (Ca)-Total		75.4		0.50	mg/L		25-SEP-09	R960916
Iron (Fe)-Total		0.240		0.010	mg/L		25-SEP-09	R960916
Magnesium (Mg)-Total		7.36		0.10	mg/L		25-SEP-09	R960916
Manganese (Mn)-Total		0.914		0.0020	mg/L		25-SEP-09	R960916
Potassium (K)-Total		6.22		0.10	mg/L		25-SEP-09	R960916
Sodium (Na)-Total		73.1		1.0	mg/L		25-SEP-09	R960916
Miscellaneous Parameters								
Alkalinity, Total (as CaCO3)		<5.0		5.0	mg/L		24-SEP-09	R957344
Ammonia-N		0.433		0.050	mg/L		25-SEP-09	R959443
Cyanide, Total		<0.0020		0.0020	mg/L	29-SEP-09	29-SEP-09	R962324
Hardness (as CaCO3)		219			mg/L		26-SEP-09	
Total Suspended Solids		<3.0		3.0	mg/L		25-SEP-09	R960324
pH		6.55		0.10	pH		24-SEP-09	R957344
L821882-9	LUP-10D							
Sampled By: R.O on 18-SEP-09 @ 16:30								
Matrix:								
Total Metals - CCME								
Mercury (Hg) - Total								
Mercury (Hg)-Total		<0.00010		0.00010	mg/L		25-SEP-09	R960219
Total Metals in Water by ICPMS (Low)								
Aluminum (Al)-Total		0.038		0.010	mg/L		27-SEP-09	R960963
Antimony (Sb)-Total		<0.00040		0.00040	mg/L		27-SEP-09	R960963
Arsenic (As)-Total		0.0127		0.00040	mg/L		27-SEP-09	R960963
Barium (Ba)-Total		0.0147		0.0030	mg/L		27-SEP-09	R960963
Beryllium (Be)-Total		<0.0010		0.0010	mg/L		27-SEP-09	R960963
Boron (B)-Total		0.081		0.050	mg/L		27-SEP-09	R960963
Cadmium (Cd)-Total		0.000265		0.000050	mg/L		27-SEP-09	R960963
Chromium (Cr)-Total		<0.0050		0.0050	mg/L		27-SEP-09	R960963
Cobalt (Co)-Total		0.0433		0.0020	mg/L		27-SEP-09	R960963
Copper (Cu)-Total		0.0028		0.0010	mg/L		27-SEP-09	R960963
Lead (Pb)-Total		<0.00010		0.00010	mg/L		27-SEP-09	R960963
Lithium (Li)-Total		0.029		0.010	mg/L		27-SEP-09	R960963
Molybdenum (Mo)-Total		<0.0050		0.0050	mg/L		27-SEP-09	R960963
Nickel (Ni)-Total		0.0846		0.0020	mg/L		27-SEP-09	R960963
Selenium (Se)-Total		<0.0020	DLM	0.0020	mg/L		27-SEP-09	R960963
Silver (Ag)-Total		<0.00010		0.00010	mg/L		27-SEP-09	R960963
Thallium (Tl)-Total		<0.00010		0.00010	mg/L		27-SEP-09	R960963
Tin (Sn)-Total		<0.050		0.050	mg/L		27-SEP-09	R960963
Titanium (Ti)-Total		<0.0010		0.0010	mg/L		27-SEP-09	R960963
Uranium (U)-Total		<0.00010		0.00010	mg/L		27-SEP-09	R960963
Vanadium (V)-Total		<0.0010		0.0010	mg/L		27-SEP-09	R960963
Zinc (Zn)-Total		0.274		0.0040	mg/L		27-SEP-09	R960963
Total Metals in Water by ICPOES (Low)								
Calcium (Ca)-Total		73.7		0.50	mg/L		25-SEP-09	R960916
Iron (Fe)-Total		0.261		0.010	mg/L		25-SEP-09	R960916
Magnesium (Mg)-Total		7.20		0.10	mg/L		25-SEP-09	R960916
Manganese (Mn)-Total		0.901		0.0020	mg/L		25-SEP-09	R960916
Potassium (K)-Total		6.29		0.10	mg/L		25-SEP-09	R960916
Sodium (Na)-Total		71.6		1.0	mg/L		25-SEP-09	R960916
Miscellaneous Parameters								
Cyanide, Total		<0.0020		0.0020	mg/L	29-SEP-09	29-SEP-09	R962324

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

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Sample Details/Parameters		Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L821882-9	LUP-10D							
Sampled By: R.O on 18-SEP-09 @ 16:30								
Matrix:								
Total Suspended Solids		<3.0		3.0	mg/L		25-SEP-09	R960324
pH		6.63		0.10	pH		24-SEP-09	R957344
L821882-10	LUP-20							
Sampled By: R.O on 20-SEP-09 @ 15:30								
Matrix:								
Total Metals - CCME								
Mercury (Hg) - Total								
Mercury (Hg)-Total		<0.00010		0.00010	mg/L		25-SEP-09	R960219
Total Metals in Water by ICPMS (Low)								
Aluminum (Al)-Total		0.078		0.010	mg/L		27-SEP-09	R960963
Antimony (Sb)-Total		<0.00040		0.00040	mg/L		27-SEP-09	R960963
Arsenic (As)-Total		0.00211		0.00040	mg/L		27-SEP-09	R960963
Barium (Ba)-Total		0.0183		0.0030	mg/L		27-SEP-09	R960963
Beryllium (Be)-Total		<0.0010		0.0010	mg/L		27-SEP-09	R960963
Boron (B)-Total		0.069		0.050	mg/L		27-SEP-09	R960963
Cadmium (Cd)-Total		0.000210		0.000050	mg/L		27-SEP-09	R960963
Chromium (Cr)-Total		<0.0050		0.0050	mg/L		27-SEP-09	R960963
Cobalt (Co)-Total		0.0269		0.0020	mg/L		27-SEP-09	R960963
Copper (Cu)-Total		0.0021		0.0010	mg/L		27-SEP-09	R960963
Lead (Pb)-Total		<0.00010		0.00010	mg/L		27-SEP-09	R960963
Lithium (Li)-Total		0.025		0.010	mg/L		27-SEP-09	R960963
Molybdenum (Mo)-Total		<0.0050		0.0050	mg/L		27-SEP-09	R960963
Nickel (Ni)-Total		0.0759		0.0020	mg/L		27-SEP-09	R960963
Selenium (Se)-Total		<0.0020	DLM	0.0020	mg/L		27-SEP-09	R960963
Silver (Ag)-Total		<0.00010		0.00010	mg/L		27-SEP-09	R960963
Thallium (Tl)-Total		<0.00010		0.00010	mg/L		27-SEP-09	R960963
Tin (Sn)-Total		<0.050		0.050	mg/L		27-SEP-09	R960963
Titanium (Ti)-Total		<0.0010		0.0010	mg/L		27-SEP-09	R960963
Uranium (U)-Total		<0.00010		0.00010	mg/L		27-SEP-09	R960963
Vanadium (V)-Total		<0.0010		0.0010	mg/L		27-SEP-09	R960963
Zinc (Zn)-Total		0.210		0.0040	mg/L		27-SEP-09	R960963
Total Metals in Water by ICPOES (Low)								
Calcium (Ca)-Total		65.5		0.50	mg/L		25-SEP-09	R960916
Iron (Fe)-Total		0.056		0.010	mg/L		25-SEP-09	R960916
Magnesium (Mg)-Total		6.78		0.10	mg/L		25-SEP-09	R960916
Manganese (Mn)-Total		0.605		0.0020	mg/L		25-SEP-09	R960916
Potassium (K)-Total		5.26		0.10	mg/L		25-SEP-09	R960916
Sodium (Na)-Total		60.4		1.0	mg/L		25-SEP-09	R960916
Miscellaneous Parameters								
Alkalinity, Total (as CaCO3)		<5.0		5.0	mg/L		24-SEP-09	R957344
Ammonia-N		0.220		0.050	mg/L		25-SEP-09	R959443
Cyanide, Total		<0.0020		0.0020	mg/L	29-SEP-09	29-SEP-09	R962324
Hardness (as CaCO3)		191			mg/L		26-SEP-09	
Total Suspended Solids		<3.0		3.0	mg/L		25-SEP-09	R960324
pH		6.20		0.10	pH		24-SEP-09	R957344
L821882-11	LUP-21							
Sampled By: R.O on 20-SEP-09 @ 16:05								
Matrix:								
Total Metals - CCME								
Mercury (Hg) - Total								
Mercury (Hg)-Total		<0.00010		0.00010	mg/L		25-SEP-09	R960219

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

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Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L821882-11 LUP-21 Sampled By: R.O on 20-SEP-09 @ 16:05 Matrix:							
Total Metals in Water by ICPMS (Low)							
Aluminum (Al)-Total	0.023		0.010	mg/L		27-SEP-09	R960963
Antimony (Sb)-Total	<0.00040		0.00040	mg/L		27-SEP-09	R960963
Arsenic (As)-Total	<0.00040		0.00040	mg/L		27-SEP-09	R960963
Barium (Ba)-Total	<0.0030		0.0030	mg/L		27-SEP-09	R960963
Beryllium (Be)-Total	<0.0010		0.0010	mg/L		27-SEP-09	R960963
Boron (B)-Total	<0.050		0.050	mg/L		27-SEP-09	R960963
Cadmium (Cd)-Total	<0.000050		0.000050	mg/L		27-SEP-09	R960963
Chromium (Cr)-Total	<0.0050		0.0050	mg/L		27-SEP-09	R960963
Cobalt (Co)-Total	<0.0020		0.0020	mg/L		27-SEP-09	R960963
Copper (Cu)-Total	<0.0010		0.0010	mg/L		27-SEP-09	R960963
Lead (Pb)-Total	<0.00010		0.00010	mg/L		27-SEP-09	R960963
Lithium (Li)-Total	<0.010		0.010	mg/L		27-SEP-09	R960963
Molybdenum (Mo)-Total	<0.0050		0.0050	mg/L		27-SEP-09	R960963
Nickel (Ni)-Total	<0.0020		0.0020	mg/L		27-SEP-09	R960963
Selenium (Se)-Total	<0.00040		0.00040	mg/L		27-SEP-09	R960963
Silver (Ag)-Total	<0.00010		0.00010	mg/L		27-SEP-09	R960963
Thallium (Tl)-Total	<0.00010		0.00010	mg/L		27-SEP-09	R960963
Tin (Sn)-Total	<0.050		0.050	mg/L		27-SEP-09	R960963
Titanium (Ti)-Total	<0.0010		0.0010	mg/L		27-SEP-09	R960963
Uranium (U)-Total	<0.00010		0.00010	mg/L		27-SEP-09	R960963
Vanadium (V)-Total	<0.0010		0.0010	mg/L		27-SEP-09	R960963
Zinc (Zn)-Total	<0.0040		0.0040	mg/L		27-SEP-09	R960963
Total Metals in Water by ICPOES (Low)							
Calcium (Ca)-Total	0.98		0.50	mg/L		25-SEP-09	R960916
Iron (Fe)-Total	0.040		0.010	mg/L		25-SEP-09	R960916
Magnesium (Mg)-Total	0.55		0.10	mg/L		25-SEP-09	R960916
Manganese (Mn)-Total	0.0022		0.0020	mg/L		25-SEP-09	R960916
Potassium (K)-Total	0.30		0.10	mg/L		25-SEP-09	R960916
Sodium (Na)-Total	<1.0		1.0	mg/L		25-SEP-09	R960916
Miscellaneous Parameters							
Alkalinity, Total (as CaCO3)	<5.0		5.0	mg/L		24-SEP-09	R957344
Ammonia-N	<0.050		0.050	mg/L		25-SEP-09	R959443
Cyanide, Total	<0.0020		0.0020	mg/L	29-SEP-09	29-SEP-09	R962324
Hardness (as CaCO3)	4.7			mg/L		26-SEP-09	
Total Suspended Solids	<3.0		3.0	mg/L		25-SEP-09	R960324
pH	6.49		0.10	pH		24-SEP-09	R957344
L821882-12 LUP-22 Sampled By: R.O on 20-SEP-09 @ 14:45 Matrix:							
Total Metals - CCME							
Mercury (Hg) - Total							
Mercury (Hg)-Total	<0.00010		0.00010	mg/L		25-SEP-09	R960219
Total Metals in Water by ICPMS (Low)							
Aluminum (Al)-Total	0.029		0.010	mg/L		27-SEP-09	R960963
Antimony (Sb)-Total	<0.00040		0.00040	mg/L		27-SEP-09	R960963
Arsenic (As)-Total	0.00135		0.00040	mg/L		27-SEP-09	R960963
Barium (Ba)-Total	0.0147		0.0030	mg/L		27-SEP-09	R960963
Beryllium (Be)-Total	<0.0010		0.0010	mg/L		27-SEP-09	R960963
Boron (B)-Total	<0.050		0.050	mg/L		27-SEP-09	R960963
Cadmium (Cd)-Total	0.000205		0.000050	mg/L		27-SEP-09	R960963
Chromium (Cr)-Total	<0.0050		0.0050	mg/L		27-SEP-09	R960963

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

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Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L821882-12 LUP-22 Sampled By: R.O on 20-SEP-09 @ 14:45 Matrix: Total Metals in Water by ICPMS (Low) Cobalt (Co)-Total Copper (Cu)-Total Lead (Pb)-Total Lithium (Li)-Total Molybdenum (Mo)-Total Nickel (Ni)-Total Selenium (Se)-Total Silver (Ag)-Total Thallium (Tl)-Total Tin (Sn)-Total Titanium (Ti)-Total Uranium (U)-Total Vanadium (V)-Total Zinc (Zn)-Total Total Metals in Water by ICPOES (Low) Calcium (Ca)-Total Iron (Fe)-Total Magnesium (Mg)-Total Manganese (Mn)-Total Potassium (K)-Total Sodium (Na)-Total Miscellaneous Parameters Alkalinity, Total (as CaCO3) Ammonia-N Cyanide, Total Hardness (as CaCO3) Total Suspended Solids pH							
	0.0122		0.0020	mg/L		27-SEP-09	R960963
	0.0025		0.0010	mg/L		27-SEP-09	R960963
	0.00043		0.00010	mg/L		27-SEP-09	R960963
	0.015		0.010	mg/L		27-SEP-09	R960963
	<0.0050		0.0050	mg/L		27-SEP-09	R960963
	0.0444		0.0020	mg/L		27-SEP-09	R960963
	0.00054		0.00040	mg/L		27-SEP-09	R960963
	0.00025		0.00010	mg/L		27-SEP-09	R960963
	<0.00010		0.00010	mg/L		27-SEP-09	R960963
	<0.050		0.050	mg/L		27-SEP-09	R960963
	<0.0010		0.0010	mg/L		27-SEP-09	R960963
	<0.00010		0.00010	mg/L		27-SEP-09	R960963
	<0.0010		0.0010	mg/L		27-SEP-09	R960963
	0.121		0.0040	mg/L		27-SEP-09	R960963
	41.6		0.50	mg/L		25-SEP-09	R960916
	0.039		0.010	mg/L		25-SEP-09	R960916
	4.50		0.10	mg/L		25-SEP-09	R960916
	0.315		0.0020	mg/L		25-SEP-09	R960916
	3.77		0.10	mg/L		25-SEP-09	R960916
	40.6		1.0	mg/L		25-SEP-09	R960916
	<5.0		5.0	mg/L		24-SEP-09	R957344
	0.121		0.050	mg/L		25-SEP-09	R959443
	<0.0020		0.0020	mg/L	29-SEP-09	29-SEP-09	R962324
	122			mg/L		26-SEP-09	
	<3.0		3.0	mg/L		25-SEP-09	R960324
	6.19		0.10	pH		24-SEP-09	R957344
L821882-13 LUP-24 Sampled By: R.O on 20-SEP-09 @ 15:05 Matrix: Total Metals - CCME Mercury (Hg) - Total Mercury (Hg)-Total Total Metals in Water by ICPMS (Low) Aluminum (Al)-Total Antimony (Sb)-Total Arsenic (As)-Total Barium (Ba)-Total Beryllium (Be)-Total Boron (B)-Total Cadmium (Cd)-Total Chromium (Cr)-Total Cobalt (Co)-Total Copper (Cu)-Total Lead (Pb)-Total Lithium (Li)-Total Molybdenum (Mo)-Total Nickel (Ni)-Total Selenium (Se)-Total Silver (Ag)-Total							
	<0.00010		0.00010	mg/L		25-SEP-09	R960219
	0.019		0.010	mg/L		27-SEP-09	R960963
	<0.00040		0.00040	mg/L		27-SEP-09	R960963
	0.00077		0.00040	mg/L		27-SEP-09	R960963
	0.0162		0.0030	mg/L		27-SEP-09	R960963
	<0.0010		0.0010	mg/L		27-SEP-09	R960963
	<0.050		0.050	mg/L		27-SEP-09	R960963
	0.000085		0.000050	mg/L		27-SEP-09	R960963
	<0.0050		0.0050	mg/L		27-SEP-09	R960963
	0.0055		0.0020	mg/L		27-SEP-09	R960963
	0.0015		0.0010	mg/L		27-SEP-09	R960963
	0.00012		0.00010	mg/L		27-SEP-09	R960963
	0.011		0.010	mg/L		27-SEP-09	R960963
	<0.0050		0.0050	mg/L		27-SEP-09	R960963
	0.0315		0.0020	mg/L		27-SEP-09	R960963
	0.00049		0.00040	mg/L		27-SEP-09	R960963
	<0.00010		0.00010	mg/L		27-SEP-09	R960963

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

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Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L821882-13 LUP-24 Sampled By: R.O on 20-SEP-09 @ 15:05 Matrix: Total Metals in Water by ICPMS (Low) Thallium (Tl)-Total Tin (Sn)-Total Titanium (Ti)-Total Uranium (U)-Total Vanadium (V)-Total Zinc (Zn)-Total Total Metals in Water by ICPOES (Low) Calcium (Ca)-Total Iron (Fe)-Total Magnesium (Mg)-Total Manganese (Mn)-Total Potassium (K)-Total Sodium (Na)-Total Miscellaneous Parameters Alkalinity, Total (as CaCO3) Ammonia-N Cyanide, Total Hardness (as CaCO3) Total Suspended Solids pH	<0.00010 <0.050 <0.0010 <0.00010 <0.0010 0.0834 29.3 0.024 3.48 0.168 2.56 28.3 <5.0 <0.050 <0.0020 87.5 <3.0 6.21		0.00010 0.050 0.0010 0.00010 0.0010 0.0040 0.50 0.010 0.10 0.0020 0.10 1.0 5.0 0.050 0.0020 3.0 0.10	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L pH		27-SEP-09 27-SEP-09 27-SEP-09 27-SEP-09 27-SEP-09 27-SEP-09 25-SEP-09 25-SEP-09 25-SEP-09 25-SEP-09 25-SEP-09 25-SEP-09 24-SEP-09 25-SEP-09 29-SEP-09 26-SEP-09 25-SEP-09 24-SEP-09	R960963 R960963 R960963 R960963 R960963 R960963 R960916 R960916 R960916 R960916 R960916 R960916 R957344 R959443 R962324 R960324 R957344
L821882-14 LUP-25 Sampled By: R.O on 20-SEP-09 @ 15:15 Matrix: Total Metals - CCME Mercury (Hg) - Total Mercury (Hg)-Total Total Metals in Water by ICPMS (Low) Aluminum (Al)-Total Antimony (Sb)-Total Arsenic (As)-Total Barium (Ba)-Total Beryllium (Be)-Total Boron (B)-Total Cadmium (Cd)-Total Chromium (Cr)-Total Cobalt (Co)-Total Copper (Cu)-Total Lead (Pb)-Total Lithium (Li)-Total Molybdenum (Mo)-Total Nickel (Ni)-Total Selenium (Se)-Total Silver (Ag)-Total Thallium (Tl)-Total Tin (Sn)-Total Titanium (Ti)-Total Uranium (U)-Total Vanadium (V)-Total Zinc (Zn)-Total Total Metals in Water by ICPOES (Low) Calcium (Ca)-Total	<0.00010 0.013 <0.00040 <0.00040 0.0053 <0.0010 <0.050 <0.000050 <0.0050 <0.0020 <0.0010 0.00012 <0.010 <0.0050 0.0062 <0.00040 <0.00010 <0.00010 <0.050 <0.0010 <0.00010 <0.0010 0.0211 5.95		0.00010 0.010 0.00040 0.00040 0.0030 0.0010 0.050 0.000050 0.0050 0.0020 0.0010 0.00010 0.010 0.0050 0.0020 0.00010 0.00010 0.0010 0.0010 0.0040 0.50	mg/L mg/L		25-SEP-09 27-SEP-09 25-SEP-09	R960219 R960963 R960916

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

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Sample Details/Parameters		Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L821882-14	LUP-25							
Sampled By: R.O on 20-SEP-09 @ 15:15								
Matrix:								
Total Metals in Water by ICPOES (Low)								
Iron (Fe)-Total		<0.010		0.010	mg/L		25-SEP-09	R960916
Magnesium (Mg)-Total		1.03		0.10	mg/L		25-SEP-09	R960916
Manganese (Mn)-Total		0.0280		0.0020	mg/L		25-SEP-09	R960916
Potassium (K)-Total		0.76		0.10	mg/L		25-SEP-09	R960916
Sodium (Na)-Total		5.5		1.0	mg/L		25-SEP-09	R960916
Miscellaneous Parameters								
Alkalinity, Total (as CaCO3)		<5.0		5.0	mg/L		24-SEP-09	R957344
Ammonia-N		<0.050		0.050	mg/L		25-SEP-09	R959443
Cyanide, Total		<0.0020		0.0020	mg/L	29-SEP-09	29-SEP-09	R962324
Hardness (as CaCO3)		19.1			mg/L		26-SEP-09	
Total Suspended Solids		<3.0		3.0	mg/L		25-SEP-09	R960324
pH		6.47		0.10	pH		24-SEP-09	R957344
L821882-15	LUP-21D							
Sampled By: R.O on 20-SEP-09 @ 16:05								
Matrix:								
Total Metals - CCME								
Mercury (Hg) - Total								
Mercury (Hg)-Total		<0.00010		0.00010	mg/L		25-SEP-09	R960219
Total Metals in Water by ICPMS (Low)								
Aluminum (Al)-Total		0.020		0.010	mg/L		27-SEP-09	R960963
Antimony (Sb)-Total		<0.00040		0.00040	mg/L		27-SEP-09	R960963
Arsenic (As)-Total		<0.00040		0.00040	mg/L		27-SEP-09	R960963
Barium (Ba)-Total		<0.0030		0.0030	mg/L		27-SEP-09	R960963
Beryllium (Be)-Total		<0.0010		0.0010	mg/L		27-SEP-09	R960963
Boron (B)-Total		<0.050		0.050	mg/L		27-SEP-09	R960963
Cadmium (Cd)-Total		<0.000050		0.000050	mg/L		27-SEP-09	R960963
Chromium (Cr)-Total		<0.0050		0.0050	mg/L		27-SEP-09	R960963
Cobalt (Co)-Total		<0.0020		0.0020	mg/L		27-SEP-09	R960963
Copper (Cu)-Total		<0.0010		0.0010	mg/L		27-SEP-09	R960963
Lead (Pb)-Total		0.00018		0.00010	mg/L		27-SEP-09	R960963
Lithium (Li)-Total		<0.010		0.010	mg/L		27-SEP-09	R960963
Molybdenum (Mo)-Total		<0.0050		0.0050	mg/L		27-SEP-09	R960963
Nickel (Ni)-Total		<0.0020		0.0020	mg/L		27-SEP-09	R960963
Selenium (Se)-Total		<0.00040		0.00040	mg/L		27-SEP-09	R960963
Silver (Ag)-Total		<0.00010		0.00010	mg/L		27-SEP-09	R960963
Thallium (Tl)-Total		<0.00010		0.00010	mg/L		27-SEP-09	R960963
Tin (Sn)-Total		<0.050		0.050	mg/L		27-SEP-09	R960963
Titanium (Ti)-Total		<0.0010		0.0010	mg/L		27-SEP-09	R960963
Uranium (U)-Total		<0.00010		0.00010	mg/L		27-SEP-09	R960963
Vanadium (V)-Total		<0.0010		0.0010	mg/L		27-SEP-09	R960963
Zinc (Zn)-Total		0.0059		0.0040	mg/L		27-SEP-09	R960963
Total Metals in Water by ICPOES (Low)								
Calcium (Ca)-Total		1.42		0.50	mg/L		25-SEP-09	R960916
Iron (Fe)-Total		0.036		0.010	mg/L		25-SEP-09	R960916
Magnesium (Mg)-Total		0.55		0.10	mg/L		25-SEP-09	R960916
Manganese (Mn)-Total		0.0023		0.0020	mg/L		25-SEP-09	R960916
Potassium (K)-Total		0.24		0.10	mg/L		25-SEP-09	R960916
Sodium (Na)-Total		<1.0		1.0	mg/L		25-SEP-09	R960916
Miscellaneous Parameters								
Alkalinity, Total (as CaCO3)		<5.0		5.0	mg/L		24-SEP-09	R957344

* 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
L821882-15 LUP-21D Sampled By: R.O on 20-SEP-09 @ 16:05 Matrix:							
Ammonia-N	<0.050		0.050	mg/L	29-SEP-09	25-SEP-09	R959443
Cyanide, Total	<0.0020		0.0020	mg/L		29-SEP-09	R962324
Hardness (as CaCO3)	5.8			mg/L		26-SEP-09	
Total Suspended Solids	<3.0		3.0	mg/L		25-SEP-09	R960324
pH	6.44		0.10	pH		24-SEP-09	R957344
L821882-16 FIELD BLANK Sampled By: R.O on 21-SEP-09 @ 17:30 Matrix:							
Total Metals - CCME							
Mercury (Hg) - Total							
Mercury (Hg)-Total	<0.00010		0.00010	mg/L		26-SEP-09	R960219
Total Metals in Water by ICPMS (Low)							
Aluminum (Al)-Total	<0.010		0.010	mg/L		27-SEP-09	R960963
Antimony (Sb)-Total	<0.00040		0.00040	mg/L		27-SEP-09	R960963
Arsenic (As)-Total	<0.00040		0.00040	mg/L		27-SEP-09	R960963
Barium (Ba)-Total	<0.0030		0.0030	mg/L		27-SEP-09	R960963
Beryllium (Be)-Total	<0.0010		0.0010	mg/L		27-SEP-09	R960963
Boron (B)-Total	<0.050		0.050	mg/L		27-SEP-09	R960963
Cadmium (Cd)-Total	<0.000050		0.000050	mg/L		27-SEP-09	R960963
Chromium (Cr)-Total	<0.0050		0.0050	mg/L		27-SEP-09	R960963
Cobalt (Co)-Total	<0.0020		0.0020	mg/L		27-SEP-09	R960963
Copper (Cu)-Total	<0.0010		0.0010	mg/L		27-SEP-09	R960963
Lead (Pb)-Total	<0.00010		0.00010	mg/L		27-SEP-09	R960963
Lithium (Li)-Total	<0.010		0.010	mg/L		27-SEP-09	R960963
Molybdenum (Mo)-Total	<0.0050		0.0050	mg/L		27-SEP-09	R960963
Nickel (Ni)-Total	<0.0020		0.0020	mg/L		27-SEP-09	R960963
Selenium (Se)-Total	<0.00040		0.00040	mg/L		27-SEP-09	R960963
Silver (Ag)-Total	<0.00010		0.00010	mg/L		27-SEP-09	R960963
Thallium (Tl)-Total	<0.00010		0.00010	mg/L		27-SEP-09	R960963
Tin (Sn)-Total	<0.050		0.050	mg/L		27-SEP-09	R960963
Titanium (Ti)-Total	<0.0010		0.0010	mg/L		27-SEP-09	R960963
Uranium (U)-Total	<0.00010		0.00010	mg/L		27-SEP-09	R960963
Vanadium (V)-Total	<0.0010		0.0010	mg/L		27-SEP-09	R960963
Zinc (Zn)-Total	<0.0040		0.0040	mg/L		27-SEP-09	R960963
Total Metals in Water by ICPOES (Low)							
Calcium (Ca)-Total	<0.50		0.50	mg/L		25-SEP-09	R960916
Iron (Fe)-Total	<0.010		0.010	mg/L		25-SEP-09	R960916
Magnesium (Mg)-Total	<0.10		0.10	mg/L		25-SEP-09	R960916
Manganese (Mn)-Total	<0.0020		0.0020	mg/L		25-SEP-09	R960916
Potassium (K)-Total	<0.10		0.10	mg/L		25-SEP-09	R960916
Sodium (Na)-Total	<1.0		1.0	mg/L		25-SEP-09	R960916
Miscellaneous Parameters							
Alkalinity, Total (as CaCO3)	<5.0		5.0	mg/L		24-SEP-09	R957344
Ammonia-N	<0.050		0.050	mg/L	29-SEP-09	25-SEP-09	R959443
Cyanide, Total	<0.0020		0.0020	mg/L		29-SEP-09	R962324
Hardness (as CaCO3)	<1.3			mg/L		26-SEP-09	
Total Suspended Solids	<3.0		3.0	mg/L		25-SEP-09	R960324
pH	5.62		0.10	pH		24-SEP-09	R957344

* 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)
Matrix Spike	Potassium (K)-Total	E	L821882-1, -10, -11, -12, -13, -14, -15, -16, -2, -3, -4, -5, -6, -7, -8, -9
Matrix Spike	Molybdenum (Mo)-Total	E	L821882-1, -10, -11, -12, -13, -14, -15, -16, -2, -3, -4, -5, -6, -7, -8, -9
Matrix Spike	Uranium (U)-Total	E	L821882-1, -10, -11, -12, -13, -14, -15, -16, -2, -3, -4, -5, -6, -7, -8, -9

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
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

** 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
ED	ALS LABORATORY GROUP - EDMONTON, ALBERTA, CANADA

Chain of Custody Numbers:

08-012365 08-012391

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.



Environmental Division

COC # 08-012391

Page 1 of 2

Report to: MMG Act # 16023		Report Format / Distribution		Service Requested: (rush - subject to availability)	
Company: ANDREW MITCHELL		Standard: X Regular (Default)		X	
Contact: ANDREW MITCHELL		Select: PDF X 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	
Fax:		Client / Project Information:		Analysis Request	
Invoice To: Same as Report ?		Job #:		(Indicate Filtered or Preserved, F/P)	
Company:		PO / AFE:			
Contact:		Legal Site Description:			
Address:		Quote #:			
Phone:		ALS M. DUNEK			
Fax:		Contact:			
Lab Work Order #		Sampler: R.O.			
(lab use only)		Date		Sample Type	
Sample #	Sample Identification	Date	Time		
1	LUP-10 (Q21386)	14 SEP 09	4:30 PM	WATER	
	LUP-10 (Q21386)	15 SEP 09	4:30 PM	"	
	LUP-10 (Q21386)	16 SEP 09	4:30 PM	"	
	LUP-10 (Q21386)	17 SEP 09	4:15 PM	"	
	LUP-10 (Q21386)	18 SEP 09	4:30 PM	"	
	LUP-10 (Q21386)	19 SEP 09	4:00 PM	"	
	LUP-10 (Q21386)	20 SEP 09	5:15 PM	"	
	LUP-10 (Q21386)	21 SEP 09	4:15 PM	"	
	LUP-100 (Q21386)	18 SEP 09	4:30 PM	"	
	LUP-20 (Q21390)	20 SEP 09	3:50 PM	"	
	LUP-21 (Q21391)	20 SEP 09	4:05 PM	"	
	LUP-22 (Q21395)	20 SEP 09	2:45 PM	"	

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 RECEPTION (lab use only)		SHIPMENT VERIFICATION (lab use only)	
Released by:	Date & Time:	Received by:	Date:	Temperature:	Verified by:
		Rau	23-Sep-09	10:36	4.6°C
		Date & Time:		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

[illegible]