



Environmental Division

Certificate of Analysis

OZ MINERALS CANADA RESOURCES INC.

ATTN: ANDREW MITCHELL

200 - 1159 ALLOY DRIVE

THUNDER BAY ON P7B 6M8

Report Date: 09-SEP-09 15:34 (MT)

Version: FINAL

Lab Work Order #: L813699

Date Received: 02-SEP-09

Project P.O. #: 08-130/09-00623

Job Reference:

Legal Site Desc:

CofC Numbers: 08-012359, 08-012367

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
L813699-1	LUP-10							
Sampled By: RO on 26-AUG-09								
Matrix: WATER								
Total Metals - CCME								
Mercury (Hg) - Total								
Mercury (Hg)-Total		<0.00010		0.00010	mg/L		03-SEP-09	R934019
Total Metals in Water by ICPMS (Low)								
Aluminum (Al)-Total		0.031		0.010	mg/L		05-SEP-09	R934870
Antimony (Sb)-Total		<0.00040		0.00040	mg/L		05-SEP-09	R934870
Arsenic (As)-Total		0.00604		0.00040	mg/L		05-SEP-09	R934870
Barium (Ba)-Total		0.0136		0.0030	mg/L		05-SEP-09	R934870
Beryllium (Be)-Total		<0.0010		0.0010	mg/L		05-SEP-09	R934870
Boron (B)-Total		0.069		0.050	mg/L		05-SEP-09	R934870
Cadmium (Cd)-Total		0.000240		0.000050	mg/L		05-SEP-09	R934870
Chromium (Cr)-Total		<0.0050		0.0050	mg/L		05-SEP-09	R934870
Cobalt (Co)-Total		0.0364		0.0020	mg/L		05-SEP-09	R934870
Copper (Cu)-Total		0.0023		0.0010	mg/L		05-SEP-09	R934870
Lead (Pb)-Total		<0.00010		0.00010	mg/L		05-SEP-09	R934870
Lithium (Li)-Total		0.023		0.010	mg/L		05-SEP-09	R934870
Molybdenum (Mo)-Total		<0.0050		0.0050	mg/L		05-SEP-09	R934870
Nickel (Ni)-Total		0.0712		0.0020	mg/L		05-SEP-09	R934870
Selenium (Se)-Total		0.00088		0.00040	mg/L		05-SEP-09	R934870
Silver (Ag)-Total		<0.00010		0.00010	mg/L		05-SEP-09	R934870
Thallium (Tl)-Total		<0.00010		0.00010	mg/L		05-SEP-09	R934870
Tin (Sn)-Total		<0.050		0.050	mg/L		05-SEP-09	R934870
Titanium (Ti)-Total		<0.0010		0.0010	mg/L		05-SEP-09	R934870
Uranium (U)-Total		<0.00010		0.00010	mg/L		05-SEP-09	R934870
Vanadium (V)-Total		<0.0010		0.0010	mg/L		05-SEP-09	R934870
Zinc (Zn)-Total		0.246		0.0040	mg/L		05-SEP-09	R934870
Total Metals in Water by ICPOES (Low)								
Calcium (Ca)-Total		63.6		0.50	mg/L		03-SEP-09	R932584
Iron (Fe)-Total		0.168		0.010	mg/L		03-SEP-09	R932584
Magnesium (Mg)-Total		6.36		0.10	mg/L		03-SEP-09	R932584
Manganese (Mn)-Total		0.798		0.0020	mg/L		03-SEP-09	R932584
Potassium (K)-Total		4.91		0.10	mg/L		03-SEP-09	R932584
Sodium (Na)-Total		62.8		1.0	mg/L		03-SEP-09	R932584
Miscellaneous Parameters								
Cyanide, Total		<0.0020		0.0020	mg/L	09-SEP-09	09-SEP-09	R938985
Total Suspended Solids		<3.0		3.0	mg/L		04-SEP-09	R934350
pH		6.58		0.10	pH		03-SEP-09	R931763
L813699-2	LUP-10							
Sampled By: RO on 27-AUG-09 @ 16:00								
Matrix: WATER								
Total Metals - CCME								
Mercury (Hg) - Total								
Mercury (Hg)-Total		<0.00010		0.00010	mg/L		03-SEP-09	R934019
Total Metals in Water by ICPMS (Low)								
Aluminum (Al)-Total		0.056		0.010	mg/L		05-SEP-09	R934870
Antimony (Sb)-Total		<0.00040		0.00040	mg/L		05-SEP-09	R934870
Arsenic (As)-Total		0.00637		0.00040	mg/L		05-SEP-09	R934870
Barium (Ba)-Total		0.0155		0.0030	mg/L		05-SEP-09	R934870
Beryllium (Be)-Total		<0.0010		0.0010	mg/L		05-SEP-09	R934870
Boron (B)-Total		0.086		0.050	mg/L		05-SEP-09	R934870
Cadmium (Cd)-Total		0.000295		0.000050	mg/L		05-SEP-09	R934870
Chromium (Cr)-Total		<0.0050		0.0050	mg/L		05-SEP-09	R934870

* 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
L813699-2 LUP-10 Sampled By: RO on 27-AUG-09 @ 16:00 Matrix: WATER							
Total Metals in Water by ICPMS (Low)							
Cobalt (Co)-Total	0.0420		0.0020	mg/L		05-SEP-09	R934870
Copper (Cu)-Total	0.0027		0.0010	mg/L		05-SEP-09	R934870
Lead (Pb)-Total	0.00034		0.00010	mg/L		05-SEP-09	R934870
Lithium (Li)-Total	0.028		0.010	mg/L		05-SEP-09	R934870
Molybdenum (Mo)-Total	<0.0050		0.0050	mg/L		05-SEP-09	R934870
Nickel (Ni)-Total	0.0822		0.0020	mg/L		05-SEP-09	R934870
Selenium (Se)-Total	0.00083		0.00040	mg/L		05-SEP-09	R934870
Silver (Ag)-Total	<0.00010		0.00010	mg/L		05-SEP-09	R934870
Thallium (Tl)-Total	<0.00010		0.00010	mg/L		05-SEP-09	R934870
Tin (Sn)-Total	<0.050		0.050	mg/L		05-SEP-09	R934870
Titanium (Ti)-Total	<0.0010		0.0010	mg/L		05-SEP-09	R934870
Uranium (U)-Total	<0.00010		0.00010	mg/L		05-SEP-09	R934870
Vanadium (V)-Total	<0.0010		0.0010	mg/L		05-SEP-09	R934870
Zinc (Zn)-Total	0.277		0.0040	mg/L		05-SEP-09	R934870
Total Metals in Water by ICPOES (Low)							
Calcium (Ca)-Total	75.2		0.50	mg/L		03-SEP-09	R932584
Iron (Fe)-Total	0.160		0.010	mg/L		03-SEP-09	R932584
Magnesium (Mg)-Total	7.18		0.10	mg/L		03-SEP-09	R932584
Manganese (Mn)-Total	0.910		0.0020	mg/L		03-SEP-09	R932584
Potassium (K)-Total	5.74		0.10	mg/L		03-SEP-09	R932584
Sodium (Na)-Total	74.0		1.0	mg/L		03-SEP-09	R932584
Miscellaneous Parameters							
Cyanide, Total	<0.0020		0.0020	mg/L	09-SEP-09	09-SEP-09	R938985
Total Suspended Solids	4.0		3.0	mg/L		04-SEP-09	R934350
pH	7.01		0.10	pH		03-SEP-09	R931763
L813699-3 LUP-10 Sampled By: RO on 28-AUG-09 @ 16:00 Matrix: WATER							
Total Metals - CCME							
Mercury (Hg) - Total							
Mercury (Hg)-Total	<0.00010		0.00010	mg/L		03-SEP-09	R934019
Total Metals in Water by ICPMS (Low)							
Aluminum (Al)-Total	0.048		0.010	mg/L		05-SEP-09	R934870
Antimony (Sb)-Total	<0.00040		0.00040	mg/L		05-SEP-09	R934870
Arsenic (As)-Total	0.00637		0.00040	mg/L		05-SEP-09	R934870
Barium (Ba)-Total	0.0152		0.0030	mg/L		05-SEP-09	R934870
Beryllium (Be)-Total	<0.0010		0.0010	mg/L		05-SEP-09	R934870
Boron (B)-Total	0.085		0.050	mg/L		05-SEP-09	R934870
Cadmium (Cd)-Total	0.000265		0.000050	mg/L		05-SEP-09	R934870
Chromium (Cr)-Total	<0.0050		0.0050	mg/L		05-SEP-09	R934870
Cobalt (Co)-Total	0.0417		0.0020	mg/L		05-SEP-09	R934870
Copper (Cu)-Total	0.0025		0.0010	mg/L		05-SEP-09	R934870
Lead (Pb)-Total	<0.00010		0.00010	mg/L		05-SEP-09	R934870
Lithium (Li)-Total	0.028		0.010	mg/L		05-SEP-09	R934870
Molybdenum (Mo)-Total	<0.0050		0.0050	mg/L		05-SEP-09	R934870
Nickel (Ni)-Total	0.0819		0.0020	mg/L		05-SEP-09	R934870
Selenium (Se)-Total	0.00104		0.00040	mg/L		05-SEP-09	R934870
Silver (Ag)-Total	<0.00010		0.00010	mg/L		05-SEP-09	R934870
Thallium (Tl)-Total	<0.00010		0.00010	mg/L		05-SEP-09	R934870
Tin (Sn)-Total	<0.050		0.050	mg/L		05-SEP-09	R934870
Titanium (Ti)-Total	<0.0010		0.0010	mg/L		05-SEP-09	R934870

* 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
L813699-3	LUP-10							
Sampled By: RO on 28-AUG-09 @ 16:00								
Matrix: WATER								
Total Metals in Water by ICPMS (Low)								
Uranium (U)-Total		<0.00010		0.00010	mg/L		05-SEP-09	R934870
Vanadium (V)-Total		<0.0010		0.0010	mg/L		05-SEP-09	R934870
Zinc (Zn)-Total		0.276		0.0040	mg/L		05-SEP-09	R934870
Total Metals in Water by ICPOES (Low)								
Calcium (Ca)-Total		74.6		0.50	mg/L		03-SEP-09	R932584
Iron (Fe)-Total		0.176		0.010	mg/L		03-SEP-09	R932584
Magnesium (Mg)-Total		7.37		0.10	mg/L		03-SEP-09	R932584
Manganese (Mn)-Total		0.918		0.0020	mg/L		03-SEP-09	R932584
Potassium (K)-Total		5.77		0.10	mg/L		03-SEP-09	R932584
Sodium (Na)-Total		72.4		1.0	mg/L		03-SEP-09	R932584
Miscellaneous Parameters								
Cyanide, Total		<0.0020		0.0020	mg/L	09-SEP-09	09-SEP-09	R938985
Total Suspended Solids		<3.0		3.0	mg/L		04-SEP-09	R934350
pH		6.97		0.10	pH		03-SEP-09	R931763
L813699-4	LUP-10							
Sampled By: RO on 29-AUG-09 @ 16:00								
Matrix: WATER								
Total Metals - CCME								
Mercury (Hg) - Total								
Mercury (Hg)-Total		<0.00010		0.00010	mg/L		03-SEP-09	R934019
Total Metals in Water by ICPMS (Low)								
Aluminum (Al)-Total		0.032		0.010	mg/L		05-SEP-09	R934870
Antimony (Sb)-Total		<0.00040		0.00040	mg/L		05-SEP-09	R934870
Arsenic (As)-Total		0.00630		0.00040	mg/L		05-SEP-09	R934870
Barium (Ba)-Total		0.0155		0.0030	mg/L		05-SEP-09	R934870
Beryllium (Be)-Total		<0.0010		0.0010	mg/L		05-SEP-09	R934870
Boron (B)-Total		0.087		0.050	mg/L		05-SEP-09	R934870
Cadmium (Cd)-Total		0.000310		0.000050	mg/L		05-SEP-09	R934870
Chromium (Cr)-Total		<0.0050		0.0050	mg/L		05-SEP-09	R934870
Cobalt (Co)-Total		0.0427		0.0020	mg/L		05-SEP-09	R934870
Copper (Cu)-Total		0.0027		0.0010	mg/L		05-SEP-09	R934870
Lead (Pb)-Total		0.00057		0.00010	mg/L		05-SEP-09	R934870
Lithium (Li)-Total		0.028		0.010	mg/L		05-SEP-09	R934870
Molybdenum (Mo)-Total		<0.0050		0.0050	mg/L		05-SEP-09	R934870
Nickel (Ni)-Total		0.0834		0.0020	mg/L		05-SEP-09	R934870
Selenium (Se)-Total		0.00100		0.00040	mg/L		05-SEP-09	R934870
Silver (Ag)-Total		<0.00010		0.00010	mg/L		05-SEP-09	R934870
Thallium (Tl)-Total		<0.00010		0.00010	mg/L		05-SEP-09	R934870
Tin (Sn)-Total		<0.050		0.050	mg/L		05-SEP-09	R934870
Titanium (Ti)-Total		<0.0010		0.0010	mg/L		05-SEP-09	R934870
Uranium (U)-Total		<0.00010		0.00010	mg/L		05-SEP-09	R934870
Vanadium (V)-Total		<0.0010		0.0010	mg/L		05-SEP-09	R934870
Zinc (Zn)-Total		0.284		0.0040	mg/L		05-SEP-09	R934870
Total Metals in Water by ICPOES (Low)								
Calcium (Ca)-Total		75.5		0.50	mg/L		03-SEP-09	R932584
Iron (Fe)-Total		0.180		0.010	mg/L		03-SEP-09	R932584
Magnesium (Mg)-Total		7.40		0.10	mg/L		03-SEP-09	R932584
Manganese (Mn)-Total		0.937		0.0020	mg/L		03-SEP-09	R932584
Potassium (K)-Total		5.72		0.10	mg/L		03-SEP-09	R932584
Sodium (Na)-Total		72.7		1.0	mg/L		03-SEP-09	R932584
Miscellaneous Parameters								

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ALS LABORATORY GROUP ANALYTICAL REPORT

Sample Details/Parameters		Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L813699-4	LUP-10							
Sampled By: RO on 29-AUG-09 @ 16:00								
Matrix: WATER								
Cyanide, Total		<0.0020		0.0020	mg/L	09-SEP-09	09-SEP-09	R938985
Total Suspended Solids		<3.0		3.0	mg/L		04-SEP-09	R934350
pH		6.89		0.10	pH		03-SEP-09	R931763
L813699-5	LUP-10							
Sampled By: RO on 30-AUG-09 @ 16:00								
Matrix: WATER								
Total Metals - CCME								
Mercury (Hg) - Total								
Mercury (Hg)-Total		<0.00010		0.00010	mg/L		03-SEP-09	R934019
Total Metals in Water by ICPMS (Low)								
Aluminum (Al)-Total		0.020		0.010	mg/L		05-SEP-09	R934870
Antimony (Sb)-Total		<0.00040		0.00040	mg/L		05-SEP-09	R934870
Arsenic (As)-Total		0.00428		0.00040	mg/L		05-SEP-09	R934870
Barium (Ba)-Total		0.0157		0.0030	mg/L		05-SEP-09	R934870
Beryllium (Be)-Total		<0.0010		0.0010	mg/L		05-SEP-09	R934870
Boron (B)-Total		0.087		0.050	mg/L		05-SEP-09	R934870
Cadmium (Cd)-Total		0.000275		0.000050	mg/L		05-SEP-09	R934870
Chromium (Cr)-Total		<0.0050		0.0050	mg/L		05-SEP-09	R934870
Cobalt (Co)-Total		0.0424		0.0020	mg/L		05-SEP-09	R934870
Copper (Cu)-Total		0.0023		0.0010	mg/L		05-SEP-09	R934870
Lead (Pb)-Total		<0.00010		0.00010	mg/L		05-SEP-09	R934870
Lithium (Li)-Total		0.028		0.010	mg/L		05-SEP-09	R934870
Molybdenum (Mo)-Total		<0.0050		0.0050	mg/L		05-SEP-09	R934870
Nickel (Ni)-Total		0.0841		0.0020	mg/L		05-SEP-09	R934870
Selenium (Se)-Total		0.00070		0.00040	mg/L		05-SEP-09	R934870
Silver (Ag)-Total		<0.00010		0.00010	mg/L		05-SEP-09	R934870
Thallium (Tl)-Total		<0.00010		0.00010	mg/L		05-SEP-09	R934870
Tin (Sn)-Total		<0.050		0.050	mg/L		05-SEP-09	R934870
Titanium (Ti)-Total		<0.0010		0.0010	mg/L		05-SEP-09	R934870
Uranium (U)-Total		<0.00010		0.00010	mg/L		05-SEP-09	R934870
Vanadium (V)-Total		<0.0010		0.0010	mg/L		05-SEP-09	R934870
Zinc (Zn)-Total		0.285		0.0040	mg/L		05-SEP-09	R934870
Total Metals in Water by ICPOES (Low)								
Calcium (Ca)-Total		73.6		0.50	mg/L		03-SEP-09	R932584
Iron (Fe)-Total		0.064		0.010	mg/L		03-SEP-09	R932584
Magnesium (Mg)-Total		7.24		0.10	mg/L		03-SEP-09	R932584
Manganese (Mn)-Total		0.911		0.0020	mg/L		03-SEP-09	R932584
Potassium (K)-Total		5.77		0.10	mg/L		03-SEP-09	R932584
Sodium (Na)-Total		72.3		1.0	mg/L		03-SEP-09	R932584
Miscellaneous Parameters								
Cyanide, Total		<0.0020		0.0020	mg/L	09-SEP-09	09-SEP-09	R938985
Total Suspended Solids		<3.0		3.0	mg/L		04-SEP-09	R934350
pH		6.85		0.10	pH		03-SEP-09	R931763
L813699-6	LUP-10							
Sampled By: RO on 31-AUG-09 @ 16:00								
Matrix: WATER								
Total Metals - CCME								
Mercury (Hg) - Total								
Mercury (Hg)-Total		<0.00010		0.00010	mg/L		03-SEP-09	R934019
Total Metals in Water by ICPMS (Low)								
Aluminum (Al)-Total		0.031		0.010	mg/L		05-SEP-09	R934870

* 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
L813699-6 LUP-10 Sampled By: RO on 31-AUG-09 @ 16:00 Matrix: WATER							
Total Metals in Water by ICPMS (Low)							
Antimony (Sb)-Total	<0.00040		0.00040	mg/L		05-SEP-09	R934870
Arsenic (As)-Total	0.00638		0.00040	mg/L		05-SEP-09	R934870
Barium (Ba)-Total	0.0155		0.0030	mg/L		05-SEP-09	R934870
Beryllium (Be)-Total	<0.0010		0.0010	mg/L		05-SEP-09	R934870
Boron (B)-Total	0.088		0.050	mg/L		05-SEP-09	R934870
Cadmium (Cd)-Total	0.000305		0.000050	mg/L		05-SEP-09	R934870
Chromium (Cr)-Total	<0.0050		0.0050	mg/L		05-SEP-09	R934870
Cobalt (Co)-Total	0.0424		0.0020	mg/L		05-SEP-09	R934870
Copper (Cu)-Total	0.0028		0.0010	mg/L		05-SEP-09	R934870
Lead (Pb)-Total	0.00019		0.00010	mg/L		05-SEP-09	R934870
Lithium (Li)-Total	0.027		0.010	mg/L		05-SEP-09	R934870
Molybdenum (Mo)-Total	<0.0050		0.0050	mg/L		05-SEP-09	R934870
Nickel (Ni)-Total	0.0835		0.0020	mg/L		05-SEP-09	R934870
Selenium (Se)-Total	0.00094		0.00040	mg/L		05-SEP-09	R934870
Silver (Ag)-Total	<0.00010		0.00010	mg/L		05-SEP-09	R934870
Thallium (Tl)-Total	<0.00010		0.00010	mg/L		05-SEP-09	R934870
Tin (Sn)-Total	<0.050		0.050	mg/L		05-SEP-09	R934870
Titanium (Ti)-Total	<0.0010		0.0010	mg/L		05-SEP-09	R934870
Uranium (U)-Total	<0.00010		0.00010	mg/L		05-SEP-09	R934870
Vanadium (V)-Total	<0.0010		0.0010	mg/L		05-SEP-09	R934870
Zinc (Zn)-Total	0.285		0.0040	mg/L		05-SEP-09	R934870
Total Metals in Water by ICPOES (Low)							
Calcium (Ca)-Total	76.0		0.50	mg/L		03-SEP-09	R932584
Iron (Fe)-Total	0.163		0.010	mg/L		03-SEP-09	R932584
Magnesium (Mg)-Total	7.40		0.10	mg/L		03-SEP-09	R932584
Manganese (Mn)-Total	0.942		0.0020	mg/L		03-SEP-09	R932584
Potassium (K)-Total	5.88		0.10	mg/L		03-SEP-09	R932584
Sodium (Na)-Total	74.7		1.0	mg/L		03-SEP-09	R932584
Miscellaneous Parameters							
Alkalinity, Total (as CaCO3)	<5.0		5.0	mg/L		03-SEP-09	R931763
Ammonia-N	0.508		0.050	mg/L		03-SEP-09	R931801
Cyanide, Total	<0.0020		0.0020	mg/L	09-SEP-09	09-SEP-09	R938985
Hardness (as CaCO3)	220			mg/L		04-SEP-09	
Total Suspended Solids	<3.0		3.0	mg/L		04-SEP-09	R934350
pH	6.74		0.10	pH		03-SEP-09	R931763
L813699-7 LUP-10D Sampled By: RO on 28-AUG-09 @ 16:00 Matrix: WATER							
Total Metals - CCME							
Mercury (Hg) - Total							
Mercury (Hg)-Total	<0.00010		0.00010	mg/L		03-SEP-09	R934019
Total Metals in Water by ICPMS (Low)							
Aluminum (Al)-Total	0.033		0.010	mg/L		05-SEP-09	R934870
Antimony (Sb)-Total	<0.00040		0.00040	mg/L		05-SEP-09	R934870
Arsenic (As)-Total	0.00650		0.00040	mg/L		05-SEP-09	R934870
Barium (Ba)-Total	0.0154		0.0030	mg/L		05-SEP-09	R934870
Beryllium (Be)-Total	<0.0010		0.0010	mg/L		05-SEP-09	R934870
Boron (B)-Total	0.080		0.050	mg/L		05-SEP-09	R934870
Cadmium (Cd)-Total	0.000280		0.000050	mg/L		05-SEP-09	R934870
Chromium (Cr)-Total	<0.0050		0.0050	mg/L		05-SEP-09	R934870
Cobalt (Co)-Total	0.0414		0.0020	mg/L		05-SEP-09	R934870

* 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
L813699-7 LUP-10D Sampled By: RO on 28-AUG-09 @ 16:00 Matrix: WATER							
Total Metals in Water by ICPMS (Low)							
Copper (Cu)-Total	0.0026		0.0010	mg/L		05-SEP-09	R934870
Lead (Pb)-Total	<0.00010		0.00010	mg/L		05-SEP-09	R934870
Lithium (Li)-Total	0.027		0.010	mg/L		05-SEP-09	R934870
Molybdenum (Mo)-Total	<0.0050		0.0050	mg/L		05-SEP-09	R934870
Nickel (Ni)-Total	0.0812		0.0020	mg/L		05-SEP-09	R934870
Selenium (Se)-Total	0.00101		0.00040	mg/L		05-SEP-09	R934870
Silver (Ag)-Total	<0.00010		0.00010	mg/L		05-SEP-09	R934870
Thallium (Tl)-Total	<0.00010		0.00010	mg/L		05-SEP-09	R934870
Tin (Sn)-Total	<0.050		0.050	mg/L		05-SEP-09	R934870
Titanium (Ti)-Total	<0.0010		0.0010	mg/L		05-SEP-09	R934870
Uranium (U)-Total	<0.00010		0.00010	mg/L		05-SEP-09	R934870
Vanadium (V)-Total	<0.0010		0.0010	mg/L		05-SEP-09	R934870
Zinc (Zn)-Total	0.278		0.0040	mg/L		05-SEP-09	R934870
Total Metals in Water by ICPOES (Low)							
Calcium (Ca)-Total	77.1		0.50	mg/L		03-SEP-09	R932584
Iron (Fe)-Total	0.176		0.010	mg/L		03-SEP-09	R932584
Magnesium (Mg)-Total	7.54		0.10	mg/L		03-SEP-09	R932584
Manganese (Mn)-Total	0.940		0.0020	mg/L		03-SEP-09	R932584
Potassium (K)-Total	5.83		0.10	mg/L		03-SEP-09	R932584
Sodium (Na)-Total	73.8		1.0	mg/L		03-SEP-09	R932584
Miscellaneous Parameters							
Cyanide, Total	<0.0020		0.0020	mg/L	09-SEP-09	09-SEP-09	R938985
Total Suspended Solids	<3.0		3.0	mg/L		04-SEP-09	R934350
pH	6.95		0.10	pH		03-SEP-09	R931763
L813699-8 LUP-20 Sampled By: RO on 30-AUG-09 @ 09:35 Matrix: WATER							
Total Metals - CCME							
Mercury (Hg) - Total							
Mercury (Hg)-Total	<0.00010		0.00010	mg/L		03-SEP-09	R934019
Total Metals in Water by ICPMS (Low)							
Aluminum (Al)-Total	0.113		0.010	mg/L		05-SEP-09	R934870
Antimony (Sb)-Total	<0.00040		0.00040	mg/L		05-SEP-09	R934870
Arsenic (As)-Total	0.00243		0.00040	mg/L		05-SEP-09	R934870
Barium (Ba)-Total	0.0480		0.0030	mg/L		05-SEP-09	R934870
Beryllium (Be)-Total	<0.0010		0.0010	mg/L		05-SEP-09	R934870
Boron (B)-Total	0.070		0.050	mg/L		05-SEP-09	R934870
Cadmium (Cd)-Total	0.000475		0.000050	mg/L		05-SEP-09	R934870
Chromium (Cr)-Total	<0.0050		0.0050	mg/L		05-SEP-09	R934870
Cobalt (Co)-Total	0.0393		0.0020	mg/L		05-SEP-09	R934870
Copper (Cu)-Total	0.0038		0.0010	mg/L		05-SEP-09	R934870
Lead (Pb)-Total	0.00053		0.00010	mg/L		05-SEP-09	R934870
Lithium (Li)-Total	0.022		0.010	mg/L		05-SEP-09	R934870
Molybdenum (Mo)-Total	<0.0050		0.0050	mg/L		05-SEP-09	R934870
Nickel (Ni)-Total	0.108		0.0020	mg/L		05-SEP-09	R934870
Selenium (Se)-Total	0.00094		0.00040	mg/L		05-SEP-09	R934870
Silver (Ag)-Total	0.00043		0.00010	mg/L		05-SEP-09	R934870
Thallium (Tl)-Total	<0.00010		0.00010	mg/L		05-SEP-09	R934870
Tin (Sn)-Total	<0.050		0.050	mg/L		05-SEP-09	R934870
Titanium (Ti)-Total	<0.0010		0.0010	mg/L		05-SEP-09	R934870
Uranium (U)-Total	<0.00010		0.00010	mg/L		05-SEP-09	R934870

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Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L813699-8 LUP-20 Sampled By: RO on 30-AUG-09 @ 09:35 Matrix: WATER							
Total Metals in Water by ICPMS (Low)							
Vanadium (V)-Total	<0.0010		0.0010	mg/L		05-SEP-09	R934870
Zinc (Zn)-Total	0.223		0.0040	mg/L		05-SEP-09	R934870
Total Metals in Water by ICPOES (Low)							
Calcium (Ca)-Total	65.2		0.50	mg/L		03-SEP-09	R932584
Iron (Fe)-Total	0.059		0.010	mg/L		03-SEP-09	R932584
Magnesium (Mg)-Total	7.81		0.10	mg/L		03-SEP-09	R932584
Manganese (Mn)-Total	0.754		0.0020	mg/L		03-SEP-09	R932584
Potassium (K)-Total	5.09		0.10	mg/L		03-SEP-09	R932584
Sodium (Na)-Total	65.1		1.0	mg/L		03-SEP-09	R932584
Miscellaneous Parameters							
Alkalinity, Total (as CaCO3)	<5.0		5.0	mg/L		03-SEP-09	R931763
Ammonia-N	0.076		0.050	mg/L		03-SEP-09	R931801
Cyanide, Total	<0.0020		0.0020	mg/L	09-SEP-09	09-SEP-09	R938985
Hardness (as CaCO3)	195			mg/L		04-SEP-09	
Total Suspended Solids	<3.0		3.0	mg/L		04-SEP-09	R934350
pH	5.50		0.10	pH		03-SEP-09	R931763
L813699-9 LUP-21 Sampled By: RO on 30-AUG-09 @ 10:00 Matrix: WATER							
Total Metals - CCME							
Mercury (Hg) - Total							
Mercury (Hg)-Total	<0.00010		0.00010	mg/L		03-SEP-09	R934019
Total Metals in Water by ICPMS (Low)							
Aluminum (Al)-Total	0.014		0.010	mg/L		05-SEP-09	R934870
Antimony (Sb)-Total	<0.00040		0.00040	mg/L		05-SEP-09	R934870
Arsenic (As)-Total	0.00045		0.00040	mg/L		05-SEP-09	R934870
Barium (Ba)-Total	<0.0030		0.0030	mg/L		05-SEP-09	R934870
Beryllium (Be)-Total	<0.0010		0.0010	mg/L		05-SEP-09	R934870
Boron (B)-Total	<0.050		0.050	mg/L		05-SEP-09	R934870
Cadmium (Cd)-Total	<0.000050		0.000050	mg/L		05-SEP-09	R934870
Chromium (Cr)-Total	<0.0050		0.0050	mg/L		05-SEP-09	R934870
Cobalt (Co)-Total	<0.0020		0.0020	mg/L		05-SEP-09	R934870
Copper (Cu)-Total	<0.0010		0.0010	mg/L		05-SEP-09	R934870
Lead (Pb)-Total	<0.00010		0.00010	mg/L		05-SEP-09	R934870
Lithium (Li)-Total	<0.010		0.010	mg/L		05-SEP-09	R934870
Molybdenum (Mo)-Total	<0.0050		0.0050	mg/L		05-SEP-09	R934870
Nickel (Ni)-Total	<0.0020		0.0020	mg/L		05-SEP-09	R934870
Selenium (Se)-Total	<0.00040		0.00040	mg/L		05-SEP-09	R934870
Silver (Ag)-Total	<0.00010		0.00010	mg/L		05-SEP-09	R934870
Thallium (Tl)-Total	<0.00010		0.00010	mg/L		05-SEP-09	R934870
Tin (Sn)-Total	<0.050		0.050	mg/L		05-SEP-09	R934870
Titanium (Ti)-Total	<0.0010		0.0010	mg/L		05-SEP-09	R934870
Uranium (U)-Total	<0.00010		0.00010	mg/L		05-SEP-09	R934870
Vanadium (V)-Total	<0.0010		0.0010	mg/L		05-SEP-09	R934870
Zinc (Zn)-Total	<0.0040		0.0040	mg/L		05-SEP-09	R934870
Total Metals in Water by ICPOES (Low)							
Calcium (Ca)-Total	1.00		0.50	mg/L		04-SEP-09	R934422
Iron (Fe)-Total	0.043		0.010	mg/L		03-SEP-09	R932584
Magnesium (Mg)-Total	0.51		0.10	mg/L		03-SEP-09	R932584
Manganese (Mn)-Total	0.0031		0.0020	mg/L		03-SEP-09	R932584
Potassium (K)-Total	0.30		0.10	mg/L		03-SEP-09	R932584

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Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L813699-9 LUP-21 Sampled By: RO on 30-AUG-09 @ 10:00 Matrix: WATER Total Metals in Water by ICPOES (Low) Sodium (Na)-Total Miscellaneous Parameters Alkalinity, Total (as CaCO3) Ammonia-N Cyanide, Total Hardness (as CaCO3) Total Suspended Solids pH	<1.0		1.0	mg/L		04-SEP-09	R934422
						03-SEP-09	R931763
			0.050	mg/L		03-SEP-09	R931801
	<0.0020		0.0020	mg/L	09-SEP-09	09-SEP-09	R938985
	4.7			mg/L		04-SEP-09	
	<3.0		3.0	mg/L		04-SEP-09	R934350
	6.69		0.10	pH		03-SEP-09	R931763
L813699-10 LUP-22 Sampled By: RO on 30-AUG-09 @ 10:30 Matrix: WATER 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 Alkalinity, Total (as CaCO3) Ammonia-N Cyanide, Total Hardness (as CaCO3) Total Suspended Solids	<0.00010		0.00010	mg/L		03-SEP-09	R934019
	0.031		0.010	mg/L		05-SEP-09	R934870
	<0.00040		0.00040	mg/L		05-SEP-09	R934870
	0.00122		0.00040	mg/L		05-SEP-09	R934870
	0.0201		0.0030	mg/L		05-SEP-09	R934870
	<0.0010		0.0010	mg/L		05-SEP-09	R934870
	<0.050		0.050	mg/L		05-SEP-09	R934870
	0.000130		0.000050	mg/L		05-SEP-09	R934870
	<0.0050		0.0050	mg/L		05-SEP-09	R934870
	0.0069		0.0020	mg/L		05-SEP-09	R934870
	0.0018		0.0010	mg/L		05-SEP-09	R934870
	0.00033		0.00010	mg/L		05-SEP-09	R934870
	<0.010		0.010	mg/L		05-SEP-09	R934870
	<0.0050		0.0050	mg/L		05-SEP-09	R934870
	0.0276		0.0020	mg/L		05-SEP-09	R934870
	0.00073		0.00040	mg/L		05-SEP-09	R934870
	<0.00010		0.00010	mg/L		05-SEP-09	R934870
	<0.00010		0.00010	mg/L		05-SEP-09	R934870
	<0.050		0.050	mg/L		05-SEP-09	R934870
	<0.0010		0.0010	mg/L		05-SEP-09	R934870
	<0.00010		0.00010	mg/L		05-SEP-09	R934870
	<0.0010		0.0010	mg/L		05-SEP-09	R934870
	0.0510		0.0040	mg/L		05-SEP-09	R934870
	16.8		0.50	mg/L		03-SEP-09	R932584
	0.063		0.010	mg/L		03-SEP-09	R932584
	2.98		0.10	mg/L		03-SEP-09	R932584
	0.147		0.0020	mg/L		03-SEP-09	R932584
	1.66		0.10	mg/L		03-SEP-09	R932584
	16.8		1.0	mg/L		03-SEP-09	R932584
	<5.0		5.0	mg/L		03-SEP-09	R931763
	<0.050		0.050	mg/L		03-SEP-09	R931801
	<0.0020		0.0020	mg/L	09-SEP-09	09-SEP-09	R938985
	54.4			mg/L		04-SEP-09	
	<3.0		3.0	mg/L		04-SEP-09	R934350

* 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
L813699-10 LUP-22 Sampled By: RO on 30-AUG-09 @ 10:30 Matrix: WATER pH	6.39		0.10	pH		03-SEP-09	R931763
L813699-11 LUP-24 Sampled By: RO on 30-AUG-09 @ 10:50 Matrix: WATER Total Metals - CCME Mercury (Hg) - Total Mercury (Hg)-Total	<0.00010		0.00010	mg/L		03-SEP-09	R934019
Total Metals in Water by ICPMS (Low) Aluminum (Al)-Total	0.015		0.010	mg/L		05-SEP-09	R934870
Antimony (Sb)-Total	<0.00040		0.00040	mg/L		05-SEP-09	R934870
Arsenic (As)-Total	0.00051		0.00040	mg/L		05-SEP-09	R934870
Barium (Ba)-Total	<0.0030		0.0030	mg/L		05-SEP-09	R934870
Beryllium (Be)-Total	<0.0010		0.0010	mg/L		05-SEP-09	R934870
Boron (B)-Total	<0.050		0.050	mg/L		05-SEP-09	R934870
Cadmium (Cd)-Total	0.000105		0.000050	mg/L		05-SEP-09	R934870
Chromium (Cr)-Total	<0.0050		0.0050	mg/L		05-SEP-09	R934870
Cobalt (Co)-Total	<0.0020		0.0020	mg/L		05-SEP-09	R934870
Copper (Cu)-Total	0.0020		0.0010	mg/L		05-SEP-09	R934870
Lead (Pb)-Total	0.00072		0.00010	mg/L		05-SEP-09	R934870
Lithium (Li)-Total	<0.010		0.010	mg/L		05-SEP-09	R934870
Molybdenum (Mo)-Total	<0.0050		0.0050	mg/L		05-SEP-09	R934870
Nickel (Ni)-Total	<0.0020		0.0020	mg/L		05-SEP-09	R934870
Selenium (Se)-Total	<0.00040		0.00040	mg/L		05-SEP-09	R934870
Silver (Ag)-Total	<0.00010		0.00010	mg/L		05-SEP-09	R934870
Thallium (Tl)-Total	<0.00010		0.00010	mg/L		05-SEP-09	R934870
Tin (Sn)-Total	<0.050		0.050	mg/L		05-SEP-09	R934870
Titanium (Ti)-Total	<0.0010		0.0010	mg/L		05-SEP-09	R934870
Uranium (U)-Total	<0.00010		0.00010	mg/L		05-SEP-09	R934870
Vanadium (V)-Total	<0.0010		0.0010	mg/L		05-SEP-09	R934870
Zinc (Zn)-Total	0.0145		0.0040	mg/L		05-SEP-09	R934870
Total Metals in Water by ICPOES (Low) Calcium (Ca)-Total	0.99		0.50	mg/L		03-SEP-09	R932584
Iron (Fe)-Total	0.024		0.010	mg/L		03-SEP-09	R932584
Magnesium (Mg)-Total	0.50		0.10	mg/L		03-SEP-09	R932584
Manganese (Mn)-Total	0.0022		0.0020	mg/L		03-SEP-09	R932584
Potassium (K)-Total	0.33		0.10	mg/L		03-SEP-09	R932584
Sodium (Na)-Total	<1.0		1.0	mg/L		03-SEP-09	R932584
Miscellaneous Parameters Alkalinity, Total (as CaCO3)	<5.0		5.0	mg/L		03-SEP-09	R931763
Ammonia-N	<0.050		0.050	mg/L		03-SEP-09	R931801
Cyanide, Total	<0.0020		0.0020	mg/L	09-SEP-09	09-SEP-09	R938985
Hardness (as CaCO3)	4.5			mg/L		04-SEP-09	
Total Suspended Solids	<3.0		3.0	mg/L		04-SEP-09	R934350
pH	6.73		0.10	pH		03-SEP-09	R931763
L813699-12 LUP-25 Sampled By: RO on 30-AUG-09 @ 11:00 Matrix: WATER Total Metals - CCME Mercury (Hg) - Total Mercury (Hg)-Total	<0.00010		0.00010	mg/L		03-SEP-09	R934019
Total Metals in Water by ICPMS (Low)							

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Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L813699-12 LUP-25 Sampled By: RO on 30-AUG-09 @ 11:00 Matrix: WATER							
Total Metals in Water by ICPMS (Low)							
Aluminum (Al)-Total	0.014		0.010	mg/L		05-SEP-09	R934870
Antimony (Sb)-Total	<0.00040		0.00040	mg/L		05-SEP-09	R934870
Arsenic (As)-Total	0.00041		0.00040	mg/L		05-SEP-09	R934870
Barium (Ba)-Total	<0.0030		0.0030	mg/L		05-SEP-09	R934870
Beryllium (Be)-Total	<0.0010		0.0010	mg/L		05-SEP-09	R934870
Boron (B)-Total	<0.050		0.050	mg/L		05-SEP-09	R934870
Cadmium (Cd)-Total	<0.000050		0.000050	mg/L		05-SEP-09	R934870
Chromium (Cr)-Total	<0.0050		0.0050	mg/L		05-SEP-09	R934870
Cobalt (Co)-Total	<0.0020		0.0020	mg/L		05-SEP-09	R934870
Copper (Cu)-Total	0.0011		0.0010	mg/L		05-SEP-09	R934870
Lead (Pb)-Total	0.00037		0.00010	mg/L		05-SEP-09	R934870
Lithium (Li)-Total	<0.010		0.010	mg/L		05-SEP-09	R934870
Molybdenum (Mo)-Total	<0.0050		0.0050	mg/L		05-SEP-09	R934870
Nickel (Ni)-Total	<0.0020		0.0020	mg/L		05-SEP-09	R934870
Selenium (Se)-Total	<0.00040		0.00040	mg/L		05-SEP-09	R934870
Silver (Ag)-Total	<0.00010		0.00010	mg/L		05-SEP-09	R934870
Thallium (Tl)-Total	<0.00010		0.00010	mg/L		05-SEP-09	R934870
Tin (Sn)-Total	<0.050		0.050	mg/L		05-SEP-09	R934870
Titanium (Ti)-Total	<0.0010		0.0010	mg/L		05-SEP-09	R934870
Uranium (U)-Total	<0.00010		0.00010	mg/L		05-SEP-09	R934870
Vanadium (V)-Total	<0.0010		0.0010	mg/L		05-SEP-09	R934870
Zinc (Zn)-Total	0.0096		0.0040	mg/L		05-SEP-09	R934870
Total Metals in Water by ICPOES (Low)							
Calcium (Ca)-Total	0.95		0.50	mg/L		03-SEP-09	R932584
Iron (Fe)-Total	0.010		0.010	mg/L		03-SEP-09	R932584
Magnesium (Mg)-Total	0.49		0.10	mg/L		03-SEP-09	R932584
Manganese (Mn)-Total	<0.0020		0.0020	mg/L		03-SEP-09	R932584
Potassium (K)-Total	0.35		0.10	mg/L		03-SEP-09	R932584
Sodium (Na)-Total	<1.0		1.0	mg/L		03-SEP-09	R932584
Miscellaneous Parameters							
Alkalinity, Total (as CaCO3)	<5.0		5.0	mg/L		03-SEP-09	R931763
Ammonia-N	<0.050		0.050	mg/L		03-SEP-09	R931801
Cyanide, Total	<0.0020		0.0020	mg/L	09-SEP-09	09-SEP-09	R938985
Hardness (as CaCO3)	4.4			mg/L		04-SEP-09	
Total Suspended Solids	8.0		3.0	mg/L		04-SEP-09	R934350
pH	6.67		0.10	pH		03-SEP-09	R931763
L813699-13 LUP-21D Sampled By: RO on 30-AUG-09 @ 14:15 Matrix: WATER							
Total Metals - CCME							
Mercury (Hg) - Total							
Mercury (Hg)-Total	<0.00010		0.00010	mg/L		03-SEP-09	R934019
Total Metals in Water by ICPMS (Low)							
Aluminum (Al)-Total	0.014		0.010	mg/L		05-SEP-09	R934870
Antimony (Sb)-Total	<0.00040		0.00040	mg/L		05-SEP-09	R934870
Arsenic (As)-Total	0.00044		0.00040	mg/L		05-SEP-09	R934870
Barium (Ba)-Total	<0.0030		0.0030	mg/L		05-SEP-09	R934870
Beryllium (Be)-Total	<0.0010		0.0010	mg/L		05-SEP-09	R934870
Boron (B)-Total	<0.050		0.050	mg/L		05-SEP-09	R934870
Cadmium (Cd)-Total	<0.000050		0.000050	mg/L		05-SEP-09	R934870
Chromium (Cr)-Total	<0.0050		0.0050	mg/L		05-SEP-09	R934870

* 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
L813699-13 LUP-21D							
Sampled By: RO on 30-AUG-09 @ 14:15							
Matrix: WATER							
Total Metals in Water by ICPMS (Low)							
Cobalt (Co)-Total	<0.0020		0.0020	mg/L		05-SEP-09	R934870
Copper (Cu)-Total	<0.0010		0.0010	mg/L		05-SEP-09	R934870
Lead (Pb)-Total	<0.00010		0.00010	mg/L		05-SEP-09	R934870
Lithium (Li)-Total	<0.010		0.010	mg/L		05-SEP-09	R934870
Molybdenum (Mo)-Total	<0.0050		0.0050	mg/L		05-SEP-09	R934870
Nickel (Ni)-Total	<0.0020		0.0020	mg/L		05-SEP-09	R934870
Selenium (Se)-Total	<0.00040		0.00040	mg/L		05-SEP-09	R934870
Silver (Ag)-Total	<0.00010		0.00010	mg/L		05-SEP-09	R934870
Thallium (Tl)-Total	<0.00010		0.00010	mg/L		05-SEP-09	R934870
Tin (Sn)-Total	<0.050		0.050	mg/L		05-SEP-09	R934870
Titanium (Ti)-Total	<0.0010		0.0010	mg/L		05-SEP-09	R934870
Uranium (U)-Total	<0.00010		0.00010	mg/L		05-SEP-09	R934870
Vanadium (V)-Total	<0.0010		0.0010	mg/L		05-SEP-09	R934870
Zinc (Zn)-Total	<0.0040		0.0040	mg/L		05-SEP-09	R934870
Total Metals in Water by ICPOES (Low)							
Calcium (Ca)-Total	0.92		0.50	mg/L		03-SEP-09	R932584
Iron (Fe)-Total	0.056		0.010	mg/L		03-SEP-09	R932584
Magnesium (Mg)-Total	0.49		0.10	mg/L		03-SEP-09	R932584
Manganese (Mn)-Total	0.0028		0.0020	mg/L		03-SEP-09	R932584
Potassium (K)-Total	0.33		0.10	mg/L		03-SEP-09	R932584
Sodium (Na)-Total	<1.0		1.0	mg/L		03-SEP-09	R932584
Miscellaneous Parameters							
Alkalinity, Total (as CaCO3)	<5.0		5.0	mg/L		03-SEP-09	R931763
Ammonia-N	<0.050		0.050	mg/L		03-SEP-09	R931801
Cyanide, Total	<0.0020		0.0020	mg/L	09-SEP-09	09-SEP-09	R938985
Hardness (as CaCO3)	4.3			mg/L		04-SEP-09	
Total Suspended Solids	<3.0		3.0	mg/L		04-SEP-09	R934350
pH	6.62		0.10	pH		03-SEP-09	R931763
L813699-14 FIELD BLANK							
Sampled By: RO on 30-AUG-09 @ 16:00							
Matrix: WATER							
Total Metals - CCME							
Mercury (Hg) - Total							
Mercury (Hg)-Total	<0.00010		0.00010	mg/L		03-SEP-09	R934019
Total Metals in Water by ICPMS (Low)							
Aluminum (Al)-Total	<0.010		0.010	mg/L		05-SEP-09	R934870
Antimony (Sb)-Total	<0.00040		0.00040	mg/L		05-SEP-09	R934870
Arsenic (As)-Total	<0.00040		0.00040	mg/L		05-SEP-09	R934870
Barium (Ba)-Total	<0.0030		0.0030	mg/L		05-SEP-09	R934870
Beryllium (Be)-Total	<0.0010		0.0010	mg/L		05-SEP-09	R934870
Boron (B)-Total	<0.050		0.050	mg/L		05-SEP-09	R934870
Cadmium (Cd)-Total	<0.000050		0.000050	mg/L		05-SEP-09	R934870
Chromium (Cr)-Total	<0.0050		0.0050	mg/L		05-SEP-09	R934870
Cobalt (Co)-Total	<0.0020		0.0020	mg/L		05-SEP-09	R934870
Copper (Cu)-Total	<0.0010		0.0010	mg/L		05-SEP-09	R934870
Lead (Pb)-Total	<0.00010		0.00010	mg/L		05-SEP-09	R934870
Lithium (Li)-Total	<0.010		0.010	mg/L		05-SEP-09	R934870
Molybdenum (Mo)-Total	<0.0050		0.0050	mg/L		05-SEP-09	R934870
Nickel (Ni)-Total	<0.0020		0.0020	mg/L		05-SEP-09	R934870
Selenium (Se)-Total	<0.00040		0.00040	mg/L		05-SEP-09	R934870
Silver (Ag)-Total	<0.00010		0.00010	mg/L		05-SEP-09	R934870

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

Sample Details/Parameters		Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L813699-14	FIELD BLANK							
Sampled By:	RO on 30-AUG-09 @ 16:00							
Matrix:	WATER							
Total Metals in Water by ICPMS (Low)								
Thallium (Tl)-Total	<0.00010			0.00010	mg/L		05-SEP-09	R934870
Tin (Sn)-Total	<0.050			0.050	mg/L		05-SEP-09	R934870
Titanium (Ti)-Total	<0.0010			0.0010	mg/L		05-SEP-09	R934870
Uranium (U)-Total	<0.00010			0.00010	mg/L		05-SEP-09	R934870
Vanadium (V)-Total	<0.0010			0.0010	mg/L		05-SEP-09	R934870
Zinc (Zn)-Total	0.0092			0.0040	mg/L		05-SEP-09	R934870
Total Metals in Water by ICPOES (Low)								
Calcium (Ca)-Total	<0.50			0.50	mg/L		03-SEP-09	R932584
Iron (Fe)-Total	<0.010			0.010	mg/L		03-SEP-09	R932584
Magnesium (Mg)-Total	<0.10			0.10	mg/L		03-SEP-09	R932584
Manganese (Mn)-Total	<0.0020			0.0020	mg/L		03-SEP-09	R932584
Potassium (K)-Total	<0.10			0.10	mg/L		03-SEP-09	R932584
Sodium (Na)-Total	<1.0			1.0	mg/L		03-SEP-09	R932584
Miscellaneous Parameters								
Alkalinity, Total (as CaCO3)	<5.0			5.0	mg/L		03-SEP-09	R931763
Ammonia-N	<0.050			0.050	mg/L		03-SEP-09	R931801
Cyanide, Total	<0.0020			0.0020	mg/L	09-SEP-09	09-SEP-09	R938985
Hardness (as CaCO3)	<1.3				mg/L		04-SEP-09	
Total Suspended Solids	<3.0			3.0	mg/L		04-SEP-09	R934350
pH	5.93			0.10	pH		03-SEP-09	R931763

* 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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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
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:

08-012359 08-012367

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.

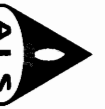
D.L. - The reporting limit.

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.



Report to: MMG ACT# 16023.		Report Format / Distribution		Service Requested: (rush - subject to availability)		
Company:		Standard:	Other:	☒ Regular (Default)		
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		
		Email 2:		For Emergency < 1 Day, ASAP or Weekend - Contact ALS		
Phone:		Fax:		Analysis Request		
Invoice To:	Same as Report?	Yes / No?		(Indicate Filtered or Preserved, F/P)		
Company:		Job #:				
Contact:		PO / AFE:				
Address:		Legal Site Description:				
Phone:		Fax:				
Quote #:						
Lab Work Order # (lab use only)	L08131099	ALS M. OLINER Contact:	Sampler: R.O.			
Sample #	Sample Identification (This description will appear on the report)	Date	Time	Sample Type	PH, TSS. METALS CN. Nutrients. Alkalinity Hardness	Number of Containers
1	LUP-10 (Q21386)	26 AUG 09	4:00 PM	WATER	X X X	3
	LUP-10 (Q21386)	27 AUG 09	4:00 PM	"	X X X	3
	LUP-10 (Q21396)	28 AUG 09	4:30 PM	"	X X X	3
	LUP-10 (Q21386)	29 AUG 09	4:00 PM	"	X X X	3
	LUP-10 (Q21386)	30 AUG 09	4:00 PM	"	X X X	3
	LUP-10 (Q21387)	31 AUG 09	4:00 PM	"	X X X	4
	LUP-10 (Q21386)	28 AUG 09	4:00 PM	"	X X X	3
	LUP-10 (Q21390)	30 AUG 09	9:35 AM	"	X X X	4
	LUP-20 (Q21391)	30 AUG 09	10:00 AM	"	X X X	4
	LUP-20 (Q21395)	30 AUG 09	10:30 AM	"	X X X	4
	LUP-20 (Q21396)	30 AUG 09	10:50 AM	"	X X X	4
	LUP-20 (Q21397)	30 AUG 09	11:00 AM	"	X X X	4

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:	Time:	Temperature:
		AND	26 Sept 09	13:16	
					Verified by:
					Date & Time:
					Observations: Yes / No ? If Yes attach SIF

GENE 18.00 Front