



Environmental Division

Certificate of Analysis

OZ MINERALS CANADA RESOURCES INC.

ATTN: ANDREW MITCHELL

200 - 1159 ALLOY DRIVE

THUNDER BAY ON P7B 6M8

Report Date: 15-SEP-09 15:32 (MT)

Version: FINAL

Lab Work Order #: L815774

Date Received: 09-SEP-09

Project P.O. #: 09-00623

Job Reference:

Legal Site Desc:

CofC Numbers: 08-012389, 08-012390

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.

Sample Details/Parameters		Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L815774-1	LUP-10							
Sampled By:	RO on 01-SEP-09 @ 16:00							
Matrix:	WATER							
Total Metals - CCME								
Mercury (Hg) - Total								
Mercury (Hg)-Total		<0.00010		0.00010	mg/L		11-SEP-09	R940841
Total Metals in Water by ICPMS (Low)								
Aluminum (Al)-Total		0.032		0.010	mg/L		11-SEP-09	R940325
Antimony (Sb)-Total		<0.00040		0.00040	mg/L		11-SEP-09	R940325
Arsenic (As)-Total		0.00993		0.00040	mg/L		11-SEP-09	R940325
Barium (Ba)-Total		0.0156		0.0030	mg/L		11-SEP-09	R940325
Beryllium (Be)-Total		<0.0010		0.0010	mg/L		11-SEP-09	R940325
Boron (B)-Total		0.091		0.050	mg/L		11-SEP-09	R940325
Cadmium (Cd)-Total		0.000275		0.000050	mg/L		11-SEP-09	R940325
Chromium (Cr)-Total		<0.0050		0.0050	mg/L		11-SEP-09	R940325
Cobalt (Co)-Total		0.0414		0.0020	mg/L		11-SEP-09	R940325
Copper (Cu)-Total		0.0026		0.0010	mg/L		11-SEP-09	R940325
Lead (Pb)-Total		0.00015		0.00010	mg/L		11-SEP-09	R940325
Lithium (Li)-Total		0.032		0.010	mg/L		11-SEP-09	R940325
Molybdenum (Mo)-Total		<0.0050		0.0050	mg/L		11-SEP-09	R940325
Nickel (Ni)-Total		0.0818		0.0020	mg/L		11-SEP-09	R940325
Selenium (Se)-Total		<0.0020	DLM	0.0020	mg/L		11-SEP-09	R940325
Silver (Ag)-Total		<0.00010		0.00010	mg/L		11-SEP-09	R940325
Thallium (Tl)-Total		<0.00010		0.00010	mg/L		11-SEP-09	R940325
Tin (Sn)-Total		<0.050		0.050	mg/L		11-SEP-09	R940325
Titanium (Ti)-Total		<0.0010		0.0010	mg/L		11-SEP-09	R940325
Uranium (U)-Total		<0.00010		0.00010	mg/L		11-SEP-09	R940325
Vanadium (V)-Total		<0.0010		0.0010	mg/L		11-SEP-09	R940325
Zinc (Zn)-Total		0.289		0.0040	mg/L		11-SEP-09	R940325
Total Metals in Water by ICPOES (Low)								
Calcium (Ca)-Total		72.3		0.50	mg/L		10-SEP-09	R940008
Iron (Fe)-Total		0.230		0.010	mg/L		10-SEP-09	R940008
Magnesium (Mg)-Total		7.14		0.10	mg/L		10-SEP-09	R940008
Manganese (Mn)-Total		0.895		0.0020	mg/L		10-SEP-09	R940008
Potassium (K)-Total		6.04		0.10	mg/L		10-SEP-09	R940008
Sodium (Na)-Total		68.8		1.0	mg/L		10-SEP-09	R940008
Miscellaneous Parameters								
Cyanide, Total		<0.0020		0.0020	mg/L	15-SEP-09	15-SEP-09	R942464
Total Suspended Solids		<3.0		3.0	mg/L		10-SEP-09	R939790
pH		6.82		0.10	pH		09-SEP-09	R938930
L815774-2	LUP-10							
Sampled By:	RO on 02-SEP-09 @ 16:25							
Matrix:	WATER							
Total Metals - CCME								
Mercury (Hg) - Total								
Mercury (Hg)-Total		<0.00010		0.00010	mg/L		11-SEP-09	R940841
Total Metals in Water by ICPMS (Low)								
Aluminum (Al)-Total		0.033		0.010	mg/L		11-SEP-09	R940325
Antimony (Sb)-Total		<0.00040		0.00040	mg/L		11-SEP-09	R940325
Arsenic (As)-Total		0.00935		0.00040	mg/L		11-SEP-09	R940325
Barium (Ba)-Total		0.0154		0.0030	mg/L		11-SEP-09	R940325
Beryllium (Be)-Total		<0.0010		0.0010	mg/L		11-SEP-09	R940325
Boron (B)-Total		0.086		0.050	mg/L		11-SEP-09	R940325
Cadmium (Cd)-Total		0.000295		0.000050	mg/L		11-SEP-09	R940325
Chromium (Cr)-Total		<0.0050		0.0050	mg/L		11-SEP-09	R940325

* 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
L815774-2 LUP-10 Sampled By: RO on 02-SEP-09 @ 16:25 Matrix: WATER							
Total Metals in Water by ICPMS (Low)							
Cobalt (Co)-Total	0.0418		0.0020	mg/L		11-SEP-09	R940325
Copper (Cu)-Total	0.0024		0.0010	mg/L		11-SEP-09	R940325
Lead (Pb)-Total	<0.00010		0.00010	mg/L		11-SEP-09	R940325
Lithium (Li)-Total	0.031		0.010	mg/L		11-SEP-09	R940325
Molybdenum (Mo)-Total	<0.0050		0.0050	mg/L		11-SEP-09	R940325
Nickel (Ni)-Total	0.0814		0.0020	mg/L		11-SEP-09	R940325
Selenium (Se)-Total	<0.0020	DLM	0.0020	mg/L		11-SEP-09	R940325
Silver (Ag)-Total	0.00015		0.00010	mg/L		11-SEP-09	R940325
Thallium (Tl)-Total	0.00051		0.00010	mg/L		11-SEP-09	R940325
Tin (Sn)-Total	<0.050		0.050	mg/L		11-SEP-09	R940325
Titanium (Ti)-Total	<0.0010		0.0010	mg/L		11-SEP-09	R940325
Uranium (U)-Total	<0.00010		0.00010	mg/L		11-SEP-09	R940325
Vanadium (V)-Total	<0.0010		0.0010	mg/L		11-SEP-09	R940325
Zinc (Zn)-Total	0.285		0.0040	mg/L		11-SEP-09	R940325
Total Metals in Water by ICPOES (Low)							
Calcium (Ca)-Total	72.0		0.50	mg/L		10-SEP-09	R940008
Iron (Fe)-Total	0.212		0.010	mg/L		10-SEP-09	R940008
Magnesium (Mg)-Total	7.16		0.10	mg/L		10-SEP-09	R940008
Manganese (Mn)-Total	0.878		0.0020	mg/L		10-SEP-09	R940008
Potassium (K)-Total	6.06		0.10	mg/L		10-SEP-09	R940008
Sodium (Na)-Total	68.6		1.0	mg/L		10-SEP-09	R940008
Miscellaneous Parameters							
Cyanide, Total	<0.0020		0.0020	mg/L	15-SEP-09	15-SEP-09	R942464
Total Suspended Solids	<3.0		3.0	mg/L		10-SEP-09	R939790
pH	6.79		0.10	pH		09-SEP-09	R938930
L815774-3 LUP-10 Sampled By: RO on 03-SEP-09 @ 16:00 Matrix: WATER							
Total Metals - CCME							
Mercury (Hg) - Total							
Mercury (Hg)-Total	<0.00010		0.00010	mg/L		11-SEP-09	R940841
Total Metals in Water by ICPMS (Low)							
Aluminum (Al)-Total	0.049		0.010	mg/L		11-SEP-09	R940325
Antimony (Sb)-Total	<0.00040		0.00040	mg/L		11-SEP-09	R940325
Arsenic (As)-Total	0.00923		0.00040	mg/L		11-SEP-09	R940325
Barium (Ba)-Total	0.0154		0.0030	mg/L		11-SEP-09	R940325
Beryllium (Be)-Total	<0.0010		0.0010	mg/L		11-SEP-09	R940325
Boron (B)-Total	0.090		0.050	mg/L		11-SEP-09	R940325
Cadmium (Cd)-Total	0.000280		0.000050	mg/L		11-SEP-09	R940325
Chromium (Cr)-Total	<0.0050		0.0050	mg/L		11-SEP-09	R940325
Cobalt (Co)-Total	0.0416		0.0020	mg/L		11-SEP-09	R940325
Copper (Cu)-Total	0.0023		0.0010	mg/L		11-SEP-09	R940325
Lead (Pb)-Total	<0.00010		0.00010	mg/L		11-SEP-09	R940325
Lithium (Li)-Total	0.032		0.010	mg/L		11-SEP-09	R940325
Molybdenum (Mo)-Total	<0.0050		0.0050	mg/L		11-SEP-09	R940325
Nickel (Ni)-Total	0.0813		0.0020	mg/L		11-SEP-09	R940325
Selenium (Se)-Total	<0.0020	DLM	0.0020	mg/L		11-SEP-09	R940325
Silver (Ag)-Total	<0.00010		0.00010	mg/L		11-SEP-09	R940325
Thallium (Tl)-Total	0.00011		0.00010	mg/L		11-SEP-09	R940325
Tin (Sn)-Total	<0.050		0.050	mg/L		11-SEP-09	R940325
Titanium (Ti)-Total	<0.0010		0.0010	mg/L		11-SEP-09	R940325

* 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
L815774-3	LUP-10							
Sampled By: RO on 03-SEP-09 @ 16:00								
Matrix: WATER								
Total Metals in Water by ICPMS (Low)								
Uranium (U)-Total		<0.00010		0.00010	mg/L		11-SEP-09	R940325
Vanadium (V)-Total		<0.0010		0.0010	mg/L		11-SEP-09	R940325
Zinc (Zn)-Total		0.286		0.0040	mg/L		11-SEP-09	R940325
Total Metals in Water by ICPOES (Low)								
Calcium (Ca)-Total		72.4		0.50	mg/L		10-SEP-09	R940008
Iron (Fe)-Total		0.206		0.010	mg/L		10-SEP-09	R940008
Magnesium (Mg)-Total		7.29		0.10	mg/L		10-SEP-09	R940008
Manganese (Mn)-Total		0.885		0.0020	mg/L		10-SEP-09	R940008
Potassium (K)-Total		5.96		0.10	mg/L		10-SEP-09	R940008
Sodium (Na)-Total		68.3		1.0	mg/L		10-SEP-09	R940008
Miscellaneous Parameters								
Cyanide, Total		<0.0020		0.0020	mg/L	15-SEP-09	15-SEP-09	R942464
Total Suspended Solids		<3.0		3.0	mg/L		10-SEP-09	R939790
pH		6.80		0.10	pH		09-SEP-09	R938930
L815774-4	LUP-10							
Sampled By: RO on 04-SEP-09 @ 16:00								
Matrix: WATER								
Total Metals - CCME								
Mercury (Hg) - Total								
Mercury (Hg)-Total		<0.00010		0.00010	mg/L		11-SEP-09	R940841
Total Metals in Water by ICPMS (Low)								
Aluminum (Al)-Total		0.045		0.010	mg/L		11-SEP-09	R940325
Antimony (Sb)-Total		<0.00040		0.00040	mg/L		11-SEP-09	R940325
Arsenic (As)-Total		0.00854		0.00040	mg/L		11-SEP-09	R940325
Barium (Ba)-Total		0.0153		0.0030	mg/L		11-SEP-09	R940325
Beryllium (Be)-Total		<0.0010		0.0010	mg/L		11-SEP-09	R940325
Boron (B)-Total		0.091		0.050	mg/L		11-SEP-09	R940325
Cadmium (Cd)-Total		0.000275		0.000050	mg/L		11-SEP-09	R940325
Chromium (Cr)-Total		<0.0050		0.0050	mg/L		11-SEP-09	R940325
Cobalt (Co)-Total		0.0414		0.0020	mg/L		11-SEP-09	R940325
Copper (Cu)-Total		0.0026		0.0010	mg/L		11-SEP-09	R940325
Lead (Pb)-Total		<0.00010		0.00010	mg/L		11-SEP-09	R940325
Lithium (Li)-Total		0.032		0.010	mg/L		11-SEP-09	R940325
Molybdenum (Mo)-Total		<0.0050		0.0050	mg/L		11-SEP-09	R940325
Nickel (Ni)-Total		0.0814		0.0020	mg/L		11-SEP-09	R940325
Selenium (Se)-Total		<0.0020	DLM	0.0020	mg/L		11-SEP-09	R940325
Silver (Ag)-Total		<0.00010		0.00010	mg/L		11-SEP-09	R940325
Thallium (Tl)-Total		<0.00010		0.00010	mg/L		11-SEP-09	R940325
Tin (Sn)-Total		<0.050		0.050	mg/L		11-SEP-09	R940325
Titanium (Ti)-Total		<0.0010		0.0010	mg/L		11-SEP-09	R940325
Uranium (U)-Total		<0.00010		0.00010	mg/L		11-SEP-09	R940325
Vanadium (V)-Total		<0.0010		0.0010	mg/L		11-SEP-09	R940325
Zinc (Zn)-Total		0.287		0.0040	mg/L		11-SEP-09	R940325
Total Metals in Water by ICPOES (Low)								
Calcium (Ca)-Total		72.5		0.50	mg/L		10-SEP-09	R940008
Iron (Fe)-Total		0.202		0.010	mg/L		10-SEP-09	R940008
Magnesium (Mg)-Total		7.46		0.10	mg/L		10-SEP-09	R940008
Manganese (Mn)-Total		0.891		0.0020	mg/L		10-SEP-09	R940008
Potassium (K)-Total		5.92		0.10	mg/L		10-SEP-09	R940008
Sodium (Na)-Total		67.9		1.0	mg/L		10-SEP-09	R940008
Miscellaneous Parameters								

* 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
L815774-4	LUP-10							
Sampled By: RO on 04-SEP-09 @ 16:00								
Matrix: WATER								
Cyanide, Total		<0.0020		0.0020	mg/L	15-SEP-09	15-SEP-09	R942464
Total Suspended Solids		<3.0		3.0	mg/L		10-SEP-09	R939790
pH		6.81		0.10	pH		09-SEP-09	R938930
L815774-5	LUP-10							
Sampled By: RO on 05-SEP-09 @ 16:00								
Matrix: WATER								
Total Metals - CCME								
Mercury (Hg) - Total								
Mercury (Hg)-Total		<0.00010		0.00010	mg/L		11-SEP-09	R940841
Total Metals in Water by ICPMS (Low)								
Aluminum (Al)-Total		0.031		0.010	mg/L		11-SEP-09	R940325
Antimony (Sb)-Total		<0.00040		0.00040	mg/L		11-SEP-09	R940325
Arsenic (As)-Total		0.00879		0.00040	mg/L		11-SEP-09	R940325
Barium (Ba)-Total		0.0156		0.0030	mg/L		11-SEP-09	R940325
Beryllium (Be)-Total		<0.0010		0.0010	mg/L		11-SEP-09	R940325
Boron (B)-Total		0.091		0.050	mg/L		11-SEP-09	R940325
Cadmium (Cd)-Total		0.000270		0.000050	mg/L		11-SEP-09	R940325
Chromium (Cr)-Total		<0.0050		0.0050	mg/L		11-SEP-09	R940325
Cobalt (Co)-Total		0.0417		0.0020	mg/L		11-SEP-09	R940325
Copper (Cu)-Total		0.0023		0.0010	mg/L		11-SEP-09	R940325
Lead (Pb)-Total		<0.00010		0.00010	mg/L		11-SEP-09	R940325
Lithium (Li)-Total		0.032		0.010	mg/L		11-SEP-09	R940325
Molybdenum (Mo)-Total		<0.0050		0.0050	mg/L		11-SEP-09	R940325
Nickel (Ni)-Total		0.0816		0.0020	mg/L		11-SEP-09	R940325
Selenium (Se)-Total		<0.0020	DLM	0.0020	mg/L		11-SEP-09	R940325
Silver (Ag)-Total		<0.00010		0.00010	mg/L		11-SEP-09	R940325
Thallium (Tl)-Total		<0.00010		0.00010	mg/L		11-SEP-09	R940325
Tin (Sn)-Total		<0.050		0.050	mg/L		11-SEP-09	R940325
Titanium (Ti)-Total		<0.0010		0.0010	mg/L		11-SEP-09	R940325
Uranium (U)-Total		<0.00010		0.00010	mg/L		11-SEP-09	R940325
Vanadium (V)-Total		<0.0010		0.0010	mg/L		11-SEP-09	R940325
Zinc (Zn)-Total		0.289		0.0040	mg/L		11-SEP-09	R940325
Total Metals in Water by ICPOES (Low)								
Calcium (Ca)-Total		75.4		0.50	mg/L		10-SEP-09	R940008
Iron (Fe)-Total		0.209		0.010	mg/L		10-SEP-09	R940008
Magnesium (Mg)-Total		7.47		0.10	mg/L		10-SEP-09	R940008
Manganese (Mn)-Total		0.921		0.0020	mg/L		10-SEP-09	R940008
Potassium (K)-Total		6.15		0.10	mg/L		10-SEP-09	R940008
Sodium (Na)-Total		69.4		1.0	mg/L		10-SEP-09	R940008
Miscellaneous Parameters								
Cyanide, Total		<0.0020		0.0020	mg/L	15-SEP-09	15-SEP-09	R942464
Total Suspended Solids		<3.0		3.0	mg/L		10-SEP-09	R939790
pH		6.81		0.10	pH		09-SEP-09	R938930
L815774-6	LUP-10							
Sampled By: RO on 06-SEP-09 @ 16:30								
Matrix: WATER								
Total Metals - CCME								
Mercury (Hg) - Total								
Mercury (Hg)-Total		<0.00010		0.00010	mg/L		11-SEP-09	R940841
Total Metals in Water by ICPMS (Low)								
Aluminum (Al)-Total		0.033		0.010	mg/L		11-SEP-09	R940325

* 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
L815774-6 LUP-10 Sampled By: RO on 06-SEP-09 @ 16:30 Matrix: WATER							
Total Metals in Water by ICPMS (Low)							
Antimony (Sb)-Total	<0.00040		0.00040	mg/L		11-SEP-09	R940325
Arsenic (As)-Total	0.0100		0.00040	mg/L		11-SEP-09	R940325
Barium (Ba)-Total	0.0153		0.0030	mg/L		11-SEP-09	R940325
Beryllium (Be)-Total	<0.0010		0.0010	mg/L		11-SEP-09	R940325
Boron (B)-Total	0.092		0.050	mg/L		11-SEP-09	R940325
Cadmium (Cd)-Total	0.000260		0.000050	mg/L		11-SEP-09	R940325
Chromium (Cr)-Total	<0.0050		0.0050	mg/L		11-SEP-09	R940325
Cobalt (Co)-Total	0.0416		0.0020	mg/L		11-SEP-09	R940325
Copper (Cu)-Total	0.0024		0.0010	mg/L		11-SEP-09	R940325
Lead (Pb)-Total	0.00018		0.00010	mg/L		11-SEP-09	R940325
Lithium (Li)-Total	0.032		0.010	mg/L		11-SEP-09	R940325
Molybdenum (Mo)-Total	<0.0050		0.0050	mg/L		11-SEP-09	R940325
Nickel (Ni)-Total	0.0810		0.0020	mg/L		11-SEP-09	R940325
Selenium (Se)-Total	<0.0020	DLM	0.0020	mg/L		11-SEP-09	R940325
Silver (Ag)-Total	<0.00010		0.00010	mg/L		11-SEP-09	R940325
Thallium (Tl)-Total	<0.00010		0.00010	mg/L		11-SEP-09	R940325
Tin (Sn)-Total	<0.050		0.050	mg/L		11-SEP-09	R940325
Titanium (Ti)-Total	<0.0010		0.0010	mg/L		11-SEP-09	R940325
Uranium (U)-Total	<0.00010		0.00010	mg/L		11-SEP-09	R940325
Vanadium (V)-Total	<0.0010		0.0010	mg/L		11-SEP-09	R940325
Zinc (Zn)-Total	0.285		0.0040	mg/L		11-SEP-09	R940325
Total Metals in Water by ICPOES (Low)							
Calcium (Ca)-Total	71.9		0.50	mg/L		10-SEP-09	R940008
Iron (Fe)-Total	0.245		0.010	mg/L		10-SEP-09	R940008
Magnesium (Mg)-Total	6.98		0.10	mg/L		10-SEP-09	R940008
Manganese (Mn)-Total	0.874		0.0020	mg/L		10-SEP-09	R940008
Potassium (K)-Total	5.82		0.10	mg/L		10-SEP-09	R940008
Sodium (Na)-Total	67.2		1.0	mg/L		10-SEP-09	R940008
Miscellaneous Parameters							
Cyanide, Total	<0.0020		0.0020	mg/L	15-SEP-09	15-SEP-09	R942464
Total Suspended Solids	<3.0		3.0	mg/L		10-SEP-09	R939790
pH	6.78		0.10	pH		09-SEP-09	R938930
L815774-7 LUP-10 Sampled By: RO on 07-SEP-09 @ 08:30 Matrix: WATER							
Total Metals - CCME							
Mercury (Hg) - Total							
Mercury (Hg)-Total	<0.00010		0.00010	mg/L		11-SEP-09	R940841
Total Metals in Water by ICPMS (Low)							
Aluminum (Al)-Total	0.028		0.010	mg/L		11-SEP-09	R940325
Antimony (Sb)-Total	<0.00040		0.00040	mg/L		11-SEP-09	R940325
Arsenic (As)-Total	0.0104		0.00040	mg/L		11-SEP-09	R940325
Barium (Ba)-Total	0.0154		0.0030	mg/L		11-SEP-09	R940325
Beryllium (Be)-Total	<0.0010		0.0010	mg/L		11-SEP-09	R940325
Boron (B)-Total	0.094		0.050	mg/L		11-SEP-09	R940325
Cadmium (Cd)-Total	0.000270		0.000050	mg/L		11-SEP-09	R940325
Chromium (Cr)-Total	<0.0050		0.0050	mg/L		11-SEP-09	R940325
Cobalt (Co)-Total	0.0422		0.0020	mg/L		11-SEP-09	R940325
Copper (Cu)-Total	0.0025		0.0010	mg/L		11-SEP-09	R940325
Lead (Pb)-Total	0.00010		0.00010	mg/L		11-SEP-09	R940325
Lithium (Li)-Total	0.032		0.010	mg/L		11-SEP-09	R940325

* 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
L815774-7 LUP-10 Sampled By: RO on 07-SEP-09 @ 08:30 Matrix: WATER							
Total Metals in Water by ICPMS (Low)							
Molybdenum (Mo)-Total	<0.0050	DLM	0.0050	mg/L		11-SEP-09	R940325
Nickel (Ni)-Total	0.0825		0.0020	mg/L		11-SEP-09	R940325
Selenium (Se)-Total	<0.0020		0.0020	mg/L		11-SEP-09	R940325
Silver (Ag)-Total	<0.00010		0.00010	mg/L		11-SEP-09	R940325
Thallium (Tl)-Total	<0.00010		0.00010	mg/L		11-SEP-09	R940325
Tin (Sn)-Total	<0.050		0.050	mg/L		11-SEP-09	R940325
Titanium (Ti)-Total	<0.0010		0.0010	mg/L		11-SEP-09	R940325
Uranium (U)-Total	<0.00010		0.00010	mg/L		11-SEP-09	R940325
Vanadium (V)-Total	<0.0010		0.0010	mg/L		11-SEP-09	R940325
Zinc (Zn)-Total	0.291		0.0040	mg/L		11-SEP-09	R940325
Total Metals in Water by ICPOES (Low)							
Calcium (Ca)-Total	70.9		0.50	mg/L		10-SEP-09	R940008
Iron (Fe)-Total	0.218		0.010	mg/L		10-SEP-09	R940008
Magnesium (Mg)-Total	6.96		0.10	mg/L		10-SEP-09	R940008
Manganese (Mn)-Total	0.873		0.0020	mg/L		10-SEP-09	R940008
Potassium (K)-Total	5.78		0.10	mg/L		10-SEP-09	R940008
Sodium (Na)-Total	66.7		1.0	mg/L		10-SEP-09	R940008
Miscellaneous Parameters							
Alkalinity, Total (as CaCO3)	<5.0		5.0	mg/L		09-SEP-09	R938930
Ammonia-N	0.463		0.050	mg/L		10-SEP-09	R939671
Cyanide, Total	<0.0020		0.0020	mg/L	15-SEP-09	15-SEP-09	R942464
Hardness (as CaCO3)	206			mg/L		11-SEP-09	
Total Suspended Solids	<3.0		3.0	mg/L		10-SEP-09	R939790
pH	6.79		0.10	pH		09-SEP-09	R938930
L815774-8 LUP-10D Sampled By: RO on 03-SEP-09 @ 16:00 Matrix: WATER							
Total Metals - CCME							
Mercury (Hg) - Total							
Mercury (Hg)-Total	<0.00010		0.00010	mg/L		11-SEP-09	R940841
Total Metals in Water by ICPMS (Low)							
Aluminum (Al)-Total	0.028	DLM	0.010	mg/L		11-SEP-09	R940325
Antimony (Sb)-Total	<0.00040		0.00040	mg/L		11-SEP-09	R940325
Arsenic (As)-Total	0.00922		0.00040	mg/L		11-SEP-09	R940325
Barium (Ba)-Total	0.0154		0.0030	mg/L		11-SEP-09	R940325
Beryllium (Be)-Total	<0.0010		0.0010	mg/L		11-SEP-09	R940325
Boron (B)-Total	0.092		0.050	mg/L		11-SEP-09	R940325
Cadmium (Cd)-Total	0.000280		0.000050	mg/L		11-SEP-09	R940325
Chromium (Cr)-Total	<0.0050		0.0050	mg/L		11-SEP-09	R940325
Cobalt (Co)-Total	0.0418		0.0020	mg/L		11-SEP-09	R940325
Copper (Cu)-Total	0.0023		0.0010	mg/L		11-SEP-09	R940325
Lead (Pb)-Total	<0.00010		0.00010	mg/L		11-SEP-09	R940325
Lithium (Li)-Total	0.033		0.010	mg/L		11-SEP-09	R940325
Molybdenum (Mo)-Total	<0.0050		0.0050	mg/L		11-SEP-09	R940325
Nickel (Ni)-Total	0.0816		0.0020	mg/L		11-SEP-09	R940325
Selenium (Se)-Total	<0.0020		0.0020	mg/L		11-SEP-09	R940325
Silver (Ag)-Total	<0.00010		0.00010	mg/L		11-SEP-09	R940325
Thallium (Tl)-Total	<0.00010		0.00010	mg/L		11-SEP-09	R940325
Tin (Sn)-Total	<0.050		0.050	mg/L		11-SEP-09	R940325
Titanium (Ti)-Total	<0.0010		0.0010	mg/L		11-SEP-09	R940325
Uranium (U)-Total	<0.00010		0.00010	mg/L		11-SEP-09	R940325

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Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L815774-8 LUP-10D Sampled By: RO on 03-SEP-09 @ 16:00 Matrix: WATER							
Total Metals in Water by ICPMS (Low)							
Vanadium (V)-Total	<0.0010		0.0010	mg/L		11-SEP-09	R940325
Zinc (Zn)-Total	0.287		0.0040	mg/L		11-SEP-09	R940325
Total Metals in Water by ICPOES (Low)							
Calcium (Ca)-Total	70.5		0.50	mg/L		10-SEP-09	R940008
Iron (Fe)-Total	0.205		0.010	mg/L		10-SEP-09	R940008
Magnesium (Mg)-Total	7.16		0.10	mg/L		10-SEP-09	R940008
Manganese (Mn)-Total	0.879		0.0020	mg/L		10-SEP-09	R940008
Potassium (K)-Total	5.78		0.10	mg/L		10-SEP-09	R940008
Sodium (Na)-Total	67.0		1.0	mg/L		10-SEP-09	R940008
Miscellaneous Parameters							
Cyanide, Total	<0.0020		0.0020	mg/L	15-SEP-09	15-SEP-09	R942464
Total Suspended Solids	<3.0		3.0	mg/L		10-SEP-09	R939790
pH	6.82		0.10	pH		09-SEP-09	R938930
L815774-9 LUP-20 Sampled By: RO on 06-SEP-09 @ 13:25 Matrix: WATER							
Total Metals - CCME							
Mercury (Hg) - Total							
Mercury (Hg)-Total	<0.00010		0.00010	mg/L		11-SEP-09	R940841
Total Metals in Water by ICPMS (Low)							
Aluminum (Al)-Total	0.068		0.010	mg/L		11-SEP-09	R940325
Antimony (Sb)-Total	<0.00040		0.00040	mg/L		11-SEP-09	R940325
Arsenic (As)-Total	0.00243		0.00040	mg/L		11-SEP-09	R940325
Barium (Ba)-Total	0.0256		0.0030	mg/L		11-SEP-09	R940325
Beryllium (Be)-Total	<0.0010		0.0010	mg/L		11-SEP-09	R940325
Boron (B)-Total	0.085		0.050	mg/L		11-SEP-09	R940325
Cadmium (Cd)-Total	0.000285		0.000050	mg/L		11-SEP-09	R940325
Chromium (Cr)-Total	<0.0050		0.0050	mg/L		11-SEP-09	R940325
Cobalt (Co)-Total	0.0346		0.0020	mg/L		11-SEP-09	R940325
Copper (Cu)-Total	0.0023		0.0010	mg/L		11-SEP-09	R940325
Lead (Pb)-Total	<0.00010		0.00010	mg/L		11-SEP-09	R940325
Lithium (Li)-Total	0.029		0.010	mg/L		11-SEP-09	R940325
Molybdenum (Mo)-Total	<0.0050		0.0050	mg/L		11-SEP-09	R940325
Nickel (Ni)-Total	0.0876		0.0020	mg/L		11-SEP-09	R940325
Selenium (Se)-Total	<0.0020		0.0020	mg/L		11-SEP-09	R940325
Silver (Ag)-Total	0.00013		0.00010	mg/L		11-SEP-09	R940325
Thallium (Tl)-Total	0.00037		0.00010	mg/L		11-SEP-09	R940325
Tin (Sn)-Total	<0.050		0.050	mg/L		11-SEP-09	R940325
Titanium (Ti)-Total	<0.0010		0.0010	mg/L		11-SEP-09	R940325
Uranium (U)-Total	<0.00010		0.00010	mg/L		11-SEP-09	R940325
Vanadium (V)-Total	<0.0010		0.0010	mg/L		11-SEP-09	R940325
Zinc (Zn)-Total	0.247		0.0040	mg/L		11-SEP-09	R940325
Total Metals in Water by ICPOES (Low)							
Calcium (Ca)-Total	70.3		0.50	mg/L		10-SEP-09	R940008
Iron (Fe)-Total	0.050		0.010	mg/L		10-SEP-09	R940008
Magnesium (Mg)-Total	7.34		0.10	mg/L		10-SEP-09	R940008
Manganese (Mn)-Total	0.737		0.0020	mg/L		10-SEP-09	R940008
Potassium (K)-Total	5.73		0.10	mg/L		10-SEP-09	R940008
Sodium (Na)-Total	66.7		1.0	mg/L		10-SEP-09	R940008
Miscellaneous Parameters							
Alkalinity, Total (as CaCO3)	<5.0		5.0	mg/L		09-SEP-09	R938930

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Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L815774-9 LUP-20 Sampled By: RO on 06-SEP-09 @ 13:25 Matrix: WATER							
Ammonia-N	0.220		0.050	mg/L	15-SEP-09	10-SEP-09	R939671
Cyanide, Total	<0.0020		0.0020	mg/L		15-SEP-09	R942464
Hardness (as CaCO3)	206			mg/L		11-SEP-09	
Total Suspended Solids	<3.0		3.0	mg/L		10-SEP-09	R939790
pH	5.84		0.10	pH		09-SEP-09	R938930
L815774-10 LUP-21 Sampled By: RO on 06-SEP-09 @ 13:35 Matrix: WATER							
Total Metals - CCME							
Mercury (Hg) - Total							
Mercury (Hg)-Total	<0.00010		0.00010	mg/L		11-SEP-09	R940841
Total Metals in Water by ICPMS (Low)							
Aluminum (Al)-Total	0.013		0.010	mg/L		11-SEP-09	R940325
Antimony (Sb)-Total	<0.00040		0.00040	mg/L		11-SEP-09	R940325
Arsenic (As)-Total	0.00044		0.00040	mg/L		11-SEP-09	R940325
Barium (Ba)-Total	<0.0030		0.0030	mg/L		11-SEP-09	R940325
Beryllium (Be)-Total	<0.0010		0.0010	mg/L		11-SEP-09	R940325
Boron (B)-Total	<0.050		0.050	mg/L		11-SEP-09	R940325
Cadmium (Cd)-Total	<0.000050		0.000050	mg/L		11-SEP-09	R940325
Chromium (Cr)-Total	<0.0050		0.0050	mg/L		11-SEP-09	R940325
Cobalt (Co)-Total	<0.0020		0.0020	mg/L		11-SEP-09	R940325
Copper (Cu)-Total	<0.0010		0.0010	mg/L		11-SEP-09	R940325
Lead (Pb)-Total	0.00016		0.00010	mg/L		11-SEP-09	R940325
Lithium (Li)-Total	<0.010		0.010	mg/L		11-SEP-09	R940325
Molybdenum (Mo)-Total	<0.0050		0.0050	mg/L		11-SEP-09	R940325
Nickel (Ni)-Total	<0.0020		0.0020	mg/L		11-SEP-09	R940325
Selenium (Se)-Total	<0.00040		0.00040	mg/L		11-SEP-09	R940325
Silver (Ag)-Total	<0.00010		0.00010	mg/L		11-SEP-09	R940325
Thallium (Tl)-Total	<0.00010		0.00010	mg/L		11-SEP-09	R940325
Tin (Sn)-Total	<0.050		0.050	mg/L		11-SEP-09	R940325
Titanium (Ti)-Total	<0.0010		0.0010	mg/L		11-SEP-09	R940325
Uranium (U)-Total	<0.00010		0.00010	mg/L		11-SEP-09	R940325
Vanadium (V)-Total	<0.0010		0.0010	mg/L		11-SEP-09	R940325
Zinc (Zn)-Total	<0.0040		0.0040	mg/L		11-SEP-09	R940325
Total Metals in Water by ICPOES (Low)							
Calcium (Ca)-Total	0.85		0.50	mg/L		11-SEP-09	R940776
Iron (Fe)-Total	0.047		0.010	mg/L		10-SEP-09	R940008
Magnesium (Mg)-Total	0.51		0.10	mg/L		10-SEP-09	R940008
Manganese (Mn)-Total	0.0025		0.0020	mg/L		10-SEP-09	R940008
Potassium (K)-Total	0.35		0.10	mg/L		10-SEP-09	R940008
Sodium (Na)-Total	<1.0		1.0	mg/L		10-SEP-09	R940008
Miscellaneous Parameters							
Alkalinity, Total (as CaCO3)	<5.0		5.0	mg/L		09-SEP-09	R938930
Ammonia-N	<0.050		0.050	mg/L		10-SEP-09	R939671
Cyanide, Total	<0.0020		0.0020	mg/L	15-SEP-09	15-SEP-09	R942464
Hardness (as CaCO3)	4.1			mg/L		12-SEP-09	
Total Suspended Solids	<3.0		3.0	mg/L		10-SEP-09	R939790
pH	6.72		0.10	pH		09-SEP-09	R938930
L815774-11 LUP-22 Sampled By: RO on 06-SEP-09 @ 14:20 Matrix: WATER							

* 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
L815774-12 LUP-24 Sampled By: RO on 06-SEP-09 @ 14:51 Matrix: WATER							
Total Metals in Water by ICPMS (Low)							
Boron (B)-Total	<0.050		0.050	mg/L		11-SEP-09	R940325
Cadmium (Cd)-Total	0.000060		0.000050	mg/L		11-SEP-09	R940325
Chromium (Cr)-Total	<0.0050		0.0050	mg/L		11-SEP-09	R940325
Cobalt (Co)-Total	0.0035		0.0020	mg/L		11-SEP-09	R940325
Copper (Cu)-Total	0.0016		0.0010	mg/L		11-SEP-09	R940325
Lead (Pb)-Total	0.00047		0.00010	mg/L		11-SEP-09	R940325
Lithium (Li)-Total	<0.010		0.010	mg/L		11-SEP-09	R940325
Molybdenum (Mo)-Total	<0.0050		0.0050	mg/L		11-SEP-09	R940325
Nickel (Ni)-Total	0.0179		0.0020	mg/L		11-SEP-09	R940325
Selenium (Se)-Total	<0.0020	DLM	0.0020	mg/L		11-SEP-09	R940325
Silver (Ag)-Total	<0.00010		0.00010	mg/L		11-SEP-09	R940325
Thallium (Tl)-Total	<0.00010		0.00010	mg/L		11-SEP-09	R940325
Tin (Sn)-Total	<0.050		0.050	mg/L		11-SEP-09	R940325
Titanium (Ti)-Total	<0.0010		0.0010	mg/L		11-SEP-09	R940325
Uranium (U)-Total	<0.00010		0.00010	mg/L		11-SEP-09	R940325
Vanadium (V)-Total	<0.0010		0.0010	mg/L		11-SEP-09	R940325
Zinc (Zn)-Total	0.0457		0.0040	mg/L		11-SEP-09	R940325
Total Metals in Water by ICPOES (Low)							
Calcium (Ca)-Total	15.5		0.50	mg/L		10-SEP-09	R940008
Iron (Fe)-Total	0.041		0.010	mg/L		10-SEP-09	R940008
Magnesium (Mg)-Total	2.37		0.10	mg/L		10-SEP-09	R940008
Manganese (Mn)-Total	0.0878		0.0020	mg/L		10-SEP-09	R940008
Potassium (K)-Total	1.53		0.10	mg/L		10-SEP-09	R940008
Sodium (Na)-Total	14.5		1.0	mg/L		10-SEP-09	R940008
Miscellaneous Parameters							
Alkalinity, Total (as CaCO3)	<5.0		5.0	mg/L		09-SEP-09	R938930
Ammonia-N	<0.050		0.050	mg/L		10-SEP-09	R939671
Cyanide, Total	<0.0020		0.0020	mg/L	15-SEP-09	15-SEP-09	R942464
Hardness (as CaCO3)	48.5			mg/L		11-SEP-09	
Total Suspended Solids	<3.0		3.0	mg/L		10-SEP-09	R939790
pH	6.57		0.10	pH		09-SEP-09	R938930
L815774-13 LUP-25 Sampled By: RO on 06-SEP-09 @ 15:00 Matrix: WATER							
Total Metals - CCME							
Mercury (Hg) - Total							
Mercury (Hg)-Total	<0.00010		0.00010	mg/L		11-SEP-09	R940841
Total Metals in Water by ICPMS (Low)							
Aluminum (Al)-Total	0.012		0.010	mg/L		11-SEP-09	R940325
Antimony (Sb)-Total	<0.00040		0.00040	mg/L		11-SEP-09	R940325
Arsenic (As)-Total	0.00040		0.00040	mg/L		11-SEP-09	R940325
Barium (Ba)-Total	<0.0030		0.0030	mg/L		11-SEP-09	R940325
Beryllium (Be)-Total	<0.0010		0.0010	mg/L		11-SEP-09	R940325
Boron (B)-Total	<0.050		0.050	mg/L		11-SEP-09	R940325
Cadmium (Cd)-Total	<0.000050		0.000050	mg/L		11-SEP-09	R940325
Chromium (Cr)-Total	<0.0050		0.0050	mg/L		11-SEP-09	R940325
Cobalt (Co)-Total	<0.0020		0.0020	mg/L		11-SEP-09	R940325
Copper (Cu)-Total	<0.0010		0.0010	mg/L		11-SEP-09	R940325
Lead (Pb)-Total	0.00040		0.00010	mg/L		11-SEP-09	R940325
Lithium (Li)-Total	<0.010		0.010	mg/L		11-SEP-09	R940325
Molybdenum (Mo)-Total	<0.0050		0.0050	mg/L		11-SEP-09	R940325

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Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L815774-13 LUP-25 Sampled By: RO on 06-SEP-09 @ 15:00 Matrix: WATER							
Total Metals in Water by ICPMS (Low)							
Nickel (Ni)-Total	<0.0020		0.0020	mg/L		11-SEP-09	R940325
Selenium (Se)-Total	<0.00040		0.00040	mg/L		11-SEP-09	R940325
Silver (Ag)-Total	<0.00010		0.00010	mg/L		11-SEP-09	R940325
Thallium (Tl)-Total	<0.00010		0.00010	mg/L		11-SEP-09	R940325
Tin (Sn)-Total	<0.050		0.050	mg/L		11-SEP-09	R940325
Titanium (Ti)-Total	<0.0010		0.0010	mg/L		11-SEP-09	R940325
Uranium (U)-Total	<0.00010		0.00010	mg/L		11-SEP-09	R940325
Vanadium (V)-Total	<0.0010		0.0010	mg/L		11-SEP-09	R940325
Zinc (Zn)-Total	0.0087		0.0040	mg/L		11-SEP-09	R940325
Total Metals in Water by ICPOES (Low)							
Calcium (Ca)-Total	1.27		0.50	mg/L		10-SEP-09	R940008
Iron (Fe)-Total	<0.010		0.010	mg/L		10-SEP-09	R940008
Magnesium (Mg)-Total	0.53		0.10	mg/L		10-SEP-09	R940008
Manganese (Mn)-Total	0.0034		0.0020	mg/L		10-SEP-09	R940008
Potassium (K)-Total	0.49		0.10	mg/L		10-SEP-09	R940008
Sodium (Na)-Total	<1.0		1.0	mg/L		10-SEP-09	R940008
Miscellaneous Parameters							
Alkalinity, Total (as CaCO3)	<5.0		5.0	mg/L		09-SEP-09	R938930
Ammonia-N	<0.050		0.050	mg/L		10-SEP-09	R939671
Cyanide, Total	<0.0020		0.0020	mg/L	15-SEP-09	15-SEP-09	R942464
Hardness (as CaCO3)	5.3			mg/L		11-SEP-09	
Total Suspended Solids	3.0		3.0	mg/L		10-SEP-09	R939790
pH	6.78		0.10	pH		09-SEP-09	R938930
L815774-14 LUP-22D Sampled By: RO on 06-SEP-09 @ 14:20 Matrix: WATER							
Total Metals - CCME							
Mercury (Hg) - Total							
Mercury (Hg)-Total	<0.00010		0.00010	mg/L		11-SEP-09	R940841
Total Metals in Water by ICPMS (Low)							
Aluminum (Al)-Total	0.033		0.010	mg/L		11-SEP-09	R940325
Antimony (Sb)-Total	<0.00040		0.00040	mg/L		11-SEP-09	R940325
Arsenic (As)-Total	0.00150		0.00040	mg/L		11-SEP-09	R940325
Barium (Ba)-Total	0.0242		0.0030	mg/L		11-SEP-09	R940325
Beryllium (Be)-Total	<0.0010		0.0010	mg/L		11-SEP-09	R940325
Boron (B)-Total	<0.050		0.050	mg/L		11-SEP-09	R940325
Cadmium (Cd)-Total	0.000175		0.000050	mg/L		11-SEP-09	R940325
Chromium (Cr)-Total	<0.0050		0.0050	mg/L		11-SEP-09	R940325
Cobalt (Co)-Total	0.0124		0.0020	mg/L		11-SEP-09	R940325
Copper (Cu)-Total	0.0022		0.0010	mg/L		11-SEP-09	R940325
Lead (Pb)-Total	0.00027		0.00010	mg/L		11-SEP-09	R940325
Lithium (Li)-Total	0.016		0.010	mg/L		11-SEP-09	R940325
Molybdenum (Mo)-Total	<0.0050		0.0050	mg/L		11-SEP-09	R940325
Nickel (Ni)-Total	0.0447		0.0020	mg/L		11-SEP-09	R940325
Selenium (Se)-Total	<0.0020	DLM	0.0020	mg/L		11-SEP-09	R940325
Silver (Ag)-Total	0.00010		0.00010	mg/L		11-SEP-09	R940325
Thallium (Tl)-Total	<0.00010		0.00010	mg/L		11-SEP-09	R940325
Tin (Sn)-Total	<0.050		0.050	mg/L		11-SEP-09	R940325
Titanium (Ti)-Total	<0.0010		0.0010	mg/L		11-SEP-09	R940325
Uranium (U)-Total	<0.00010		0.00010	mg/L		11-SEP-09	R940325
Vanadium (V)-Total	<0.0010		0.0010	mg/L		11-SEP-09	R940325

* 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
L815774-14 LUP-22D Sampled By: RO on 06-SEP-09 @ 14:20 Matrix: WATER							
Total Metals in Water by ICPMS (Low)							
Zinc (Zn)-Total	0.115		0.0040	mg/L		11-SEP-09	R940325
Total Metals in Water by ICPOES (Low)							
Calcium (Ca)-Total	43.7		0.50	mg/L		10-SEP-09	R940008
Iron (Fe)-Total	0.049		0.010	mg/L		10-SEP-09	R940008
Magnesium (Mg)-Total	5.11		0.10	mg/L		10-SEP-09	R940008
Manganese (Mn)-Total	0.352		0.0020	mg/L		10-SEP-09	R940008
Potassium (K)-Total	3.65		0.10	mg/L		10-SEP-09	R940008
Sodium (Na)-Total	38.9		1.0	mg/L		10-SEP-09	R940008
Miscellaneous Parameters							
Alkalinity, Total (as CaCO3)	<5.0		5.0	mg/L		09-SEP-09	R938930
Ammonia-N	0.067		0.050	mg/L		10-SEP-09	R939671
Cyanide, Total	<0.0020		0.0020	mg/L	15-SEP-09	15-SEP-09	R942464
Hardness (as CaCO3)	130			mg/L		11-SEP-09	
Total Suspended Solids	<3.0		3.0	mg/L		10-SEP-09	R939790
pH	6.13		0.10	pH		09-SEP-09	R938930
L815774-15 FILED BLANK Sampled By: RO on 06-SEP-09 @ 17:15 Matrix: WATER							
Total Metals - CCME							
Mercury (Hg) - Total							
Mercury (Hg)-Total	<0.00010		0.00010	mg/L		11-SEP-09	R940841
Total Metals in Water by ICPMS (Low)							
Aluminum (Al)-Total	<0.010		0.010	mg/L		10-SEP-09	R940325
Antimony (Sb)-Total	<0.00040		0.00040	mg/L		10-SEP-09	R940325
Arsenic (As)-Total	<0.00040		0.00040	mg/L		10-SEP-09	R940325
Barium (Ba)-Total	<0.0030		0.0030	mg/L		10-SEP-09	R940325
Beryllium (Be)-Total	<0.0010		0.0010	mg/L		10-SEP-09	R940325
Boron (B)-Total	<0.050		0.050	mg/L		10-SEP-09	R940325
Cadmium (Cd)-Total	<0.000050		0.000050	mg/L		10-SEP-09	R940325
Chromium (Cr)-Total	<0.0050		0.0050	mg/L		10-SEP-09	R940325
Cobalt (Co)-Total	<0.0020		0.0020	mg/L		10-SEP-09	R940325
Copper (Cu)-Total	<0.0010		0.0010	mg/L		10-SEP-09	R940325
Lead (Pb)-Total	<0.00010		0.00010	mg/L		10-SEP-09	R940325
Lithium (Li)-Total	<0.010		0.010	mg/L		10-SEP-09	R940325
Molybdenum (Mo)-Total	<0.0050		0.0050	mg/L		10-SEP-09	R940325
Nickel (Ni)-Total	<0.0020		0.0020	mg/L		10-SEP-09	R940325
Selenium (Se)-Total	<0.00040		0.00040	mg/L		10-SEP-09	R940325
Silver (Ag)-Total	<0.00010		0.00010	mg/L		10-SEP-09	R940325
Thallium (Tl)-Total	<0.00010		0.00010	mg/L		10-SEP-09	R940325
Tin (Sn)-Total	<0.050		0.050	mg/L		10-SEP-09	R940325
Titanium (Ti)-Total	<0.0010		0.0010	mg/L		10-SEP-09	R940325
Uranium (U)-Total	<0.00010		0.00010	mg/L		10-SEP-09	R940325
Vanadium (V)-Total	<0.0010		0.0010	mg/L		10-SEP-09	R940325
Zinc (Zn)-Total	<0.0040		0.0040	mg/L		10-SEP-09	R940325
Total Metals in Water by ICPOES (Low)							
Calcium (Ca)-Total	<0.50		0.50	mg/L		10-SEP-09	R940008
Iron (Fe)-Total	<0.010		0.010	mg/L		10-SEP-09	R940008
Magnesium (Mg)-Total	<0.10		0.10	mg/L		10-SEP-09	R940008
Manganese (Mn)-Total	<0.0020		0.0020	mg/L		10-SEP-09	R940008
Potassium (K)-Total	0.11		0.10	mg/L		10-SEP-09	R940008
Sodium (Na)-Total	<1.0		1.0	mg/L		10-SEP-09	R940008

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

Sample Details/Parameters		Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L815774-15 FILED BLANK								
Sampled By: RO on 06-SEP-09 @ 17:15								
Matrix: WATER								
Miscellaneous Parameters								
Alkalinity, Total (as CaCO3)		<5.0		5.0	mg/L		09-SEP-09	R938930
Ammonia-N		<0.050		0.050	mg/L		10-SEP-09	R939671
Cyanide, Total		<0.0020		0.0020	mg/L	15-SEP-09	15-SEP-09	R942464
Hardness (as CaCO3)		<1.3			mg/L		11-SEP-09	
Total Suspended Solids		<3.0		3.0	mg/L		10-SEP-09	R939790
pH		5.91		0.10	pH		09-SEP-09	R938930

* 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
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:

08-012389	08-012390
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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.



Environmental Division

Report to: **MMG ACT # 16023**

Company:

Contact: **ANDREW MITCHELL**

Address:

Email 1: **ANDREW MITCHELL**

Email 2:

Phone: Fax:

Invoice To: Same as Report? Yes / No?

Company:

Contact: Job #:

Address: PO / AFE:

Phone: Fax:

Quote #:

Lab Work Order # (lab use only) **L 815774**

ALS M. OLINEK

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