



Environmental Division

Certificate of Analysis

COMAPLEX MINERALS CORP

ATTN: S. BARHAM

901, 1015 - 4th STREET SW

CALGARY AB T2R 1J4

Reported On: 27-OCT-08 02:30 PM

Lab Work Order #: **L696317**

Date Received: **16-OCT-08**

Project P.O. #:

Job Reference: 3.393

Legal Site Desc:

CofC Numbers: C013076, C019891

Other Information:

Comments:

SHANNON LUCHKA
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.

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ALS LABORATORY GROUP ANALYTICAL REPORT

Sample Details/Parameters		Result	Qualifier*	D.L.	Units	Extracted	Analyzed	By	Batch
L696317-1	MEL 1								
Sampled By:	NOT PROVIDED on 14-OCT-08 @ 11:10								
Matrix:	WATER								
Dissolved Metals - CCME									
Dissolved Trace Metals									
Silver (Ag)	<0.0001	RAMB	0.0001	mg/L		18-OCT-08	SYF	R743097	
Aluminum (Al)	<0.01		0.01	mg/L		18-OCT-08	SYF	R743097	
Arsenic (As)	<0.0004		0.0004	mg/L		18-OCT-08	SYF	R743097	
Boron (B)	<0.05		0.05	mg/L		18-OCT-08	SYF	R743097	
Barium (Ba)	0.006		0.003	mg/L		18-OCT-08	SYF	R743097	
Beryllium (Be)	<0.001		0.001	mg/L		18-OCT-08	SYF	R743097	
Cadmium (Cd)	<0.0001		0.0001	mg/L		18-OCT-08	SYF	R743097	
Cobalt (Co)	<0.002		0.002	mg/L		18-OCT-08	SYF	R743097	
Chromium (Cr)	<0.005		0.005	mg/L		18-OCT-08	SYF	R743097	
Copper (Cu)	<0.001		0.001	mg/L		18-OCT-08	SYF	R743097	
Lithium (Li)	<0.003		0.003	mg/L		18-OCT-08	SYF	R743097	
Molybdenum (Mo)	<0.005		0.005	mg/L		18-OCT-08	SYF	R743097	
Nickel (Ni)	<0.002		0.002	mg/L		18-OCT-08	SYF	R743097	
Lead (Pb)	0.0001		0.0001	mg/L		18-OCT-08	SYF	R743097	
Antimony (Sb)	<0.0004		0.0004	mg/L		18-OCT-08	SYF	R743097	
Selenium (Se)	<0.0004		0.0004	mg/L		18-OCT-08	SYF	R743097	
Tin (Sn)	<0.05		0.05	mg/L		18-OCT-08	SYF	R743097	
Titanium (Ti)	<0.001		0.001	mg/L		18-OCT-08	SYF	R743097	
Thallium (Tl)	<0.0001		0.0001	mg/L		18-OCT-08	SYF	R743097	
Uranium (U)	<0.0001		0.0001	mg/L		18-OCT-08	SYF	R743097	
Vanadium (V)	<0.001		0.001	mg/L		18-OCT-08	SYF	R743097	
Zinc (Zn)	0.029		0.002	mg/L		18-OCT-08	SYF	R743097	
Iron (Fe)-Dissolved	0.033		0.005	mg/L		17-OCT-08	BOC	R742914	
Manganese (Mn)-Dissolved	0.003		0.001	mg/L		17-OCT-08	BOC	R742914	
Mercury (Hg) - Dissolved									
Mercury (Hg)-Dissolved	<0.00010		0.00010	mg/L		17-OCT-08	HAS	R743144	
Ammonia-N		<0.05		0.05	mg/L	17-OCT-08	LMK	R742999	
Biochemical Oxygen Demand		<2		2	mg/L	16-OCT-08	EKC	R744578	
MF - Fecal Coliforms		<1		1	CFU/100mL	16-OCT-08	PB	R743695	
Oil and Grease		<1		1	mg/L	20-OCT-08	FOD	R743892	
Orthophosphate (PO4-P)		<0.01		0.01	mg/L	16-OCT-08	AYX	R742565	
Phosphorus, Total Diss.		<0.02		0.02	mg/L	17-OCT-08	KFA	R744131	
Total Carbon		7		1	mg/L	17-OCT-08	TL	R743173	
Total Inorganic Carbon		3		1	mg/L	17-OCT-08	ZOW	R743105	
Total Suspended Solids		<3		3	mg/L	17-OCT-08	SVG	R743005	
Turbidity		0.60		0.1	NTU	16-OCT-08	JIH	R742970	
Routine Water Analysis									
Chloride (Cl)									
Chloride (Cl)	7		1	mg/L		17-OCT-08	KFA	R743100	
ICP metals and SO4 for routine water									
Calcium (Ca)	5.8		0.5	mg/L		17-OCT-08	JWU	R743022	
Potassium (K)	0.7		0.5	mg/L		17-OCT-08	JWU	R743022	
Magnesium (Mg)	1.0		0.1	mg/L		17-OCT-08	JWU	R743022	
Sodium (Na)	4		1	mg/L		17-OCT-08	JWU	R743022	
Sulfate (SO4)	2.9		0.5	mg/L		17-OCT-08	JWU	R743022	
Ion Balance Calculation									
Ion Balance	Low EC			%		20-OCT-08			
TDS (Calculated)	30			mg/L		20-OCT-08			
Hardness (as CaCO3)	19			mg/L		20-OCT-08			

Sample Details/Parameters		Result	Qualifier*	D.L.	Units	Extracted	Analyzed	By	Batch
L696317-1	MEL 1								
Sampled By:	NOT PROVIDED on 14-OCT-08 @ 11:10								
Matrix:	WATER								
Routine Water Analysis									
	Nitrate+Nitrite-N	<0.1		0.1	mg/L		18-OCT-08	GUO	R743453
	Nitrate-N	<0.1		0.1	mg/L		18-OCT-08	GUO	R743453
	Nitrite-N	<0.05		0.05	mg/L		18-OCT-08	GUO	R743453
pH, Conductivity and Total Alkalinity									
	pH	7.3		0.1	pH		17-OCT-08	CLTT	R743817
	Conductivity (EC)	60.8		0.2	uS/cm		17-OCT-08	CLTT	R743817
	Bicarbonate (HCO3)	17		5	mg/L		17-OCT-08	CLTT	R743817
	Carbonate (CO3)	<5		5	mg/L		17-OCT-08	CLTT	R743817
	Hydroxide (OH)	<5		5	mg/L		17-OCT-08	CLTT	R743817
	Alkalinity, Total (as CaCO3)	14		5	mg/L		17-OCT-08	CLTT	R743817
L696317-2	MEL 2								
Sampled By:	NOT PROVIDED on 13-OCT-08 @ 16:00								
Matrix:	WATER								
Dissolved Metals - CCME									
Dissolved Trace Metals									
	Silver (Ag)	<0.0001	RAMB	0.0001	mg/L		18-OCT-08	SYF	R743097
	Aluminum (Al)	<0.01		0.01	mg/L		18-OCT-08	SYF	R743097
	Arsenic (As)	0.0017		0.0004	mg/L		18-OCT-08	SYF	R743097
	Boron (B)	<0.05		0.05	mg/L		18-OCT-08	SYF	R743097
	Barium (Ba)	0.015		0.003	mg/L		18-OCT-08	SYF	R743097
	Beryllium (Be)	<0.001		0.001	mg/L		18-OCT-08	SYF	R743097
	Cadmium (Cd)	<0.0001		0.0001	mg/L		18-OCT-08	SYF	R743097
	Cobalt (Co)	<0.002		0.002	mg/L		18-OCT-08	SYF	R743097
	Chromium (Cr)	<0.005		0.005	mg/L		18-OCT-08	SYF	R743097
	Copper (Cu)	0.001		0.001	mg/L		18-OCT-08	SYF	R743097
	Lithium (Li)	0.004		0.003	mg/L		18-OCT-08	SYF	R743097
	Molybdenum (Mo)	<0.005		0.005	mg/L		18-OCT-08	SYF	R743097
	Nickel (Ni)	<0.002		0.002	mg/L		18-OCT-08	SYF	R743097
	Lead (Pb)	0.0005		0.0001	mg/L		18-OCT-08	SYF	R743097
	Antimony (Sb)	<0.0004		0.0004	mg/L		18-OCT-08	SYF	R743097
	Selenium (Se)	<0.0004		0.0004	mg/L		18-OCT-08	SYF	R743097
	Tin (Sn)	<0.05		0.05	mg/L		18-OCT-08	SYF	R743097
	Titanium (Ti)	<0.001		0.001	mg/L		18-OCT-08	SYF	R743097
	Thallium (Tl)	<0.0001		0.0001	mg/L		18-OCT-08	SYF	R743097
	Uranium (U)	<0.0001		0.0001	mg/L		18-OCT-08	SYF	R743097
	Vanadium (V)	<0.001		0.001	mg/L		18-OCT-08	SYF	R743097
	Zinc (Zn)	0.123		0.002	mg/L		18-OCT-08	SYF	R743097
	Iron (Fe)-Dissolved	0.048		0.005	mg/L		17-OCT-08	BOC	R742914
	Manganese (Mn)-Dissolved	0.004		0.001	mg/L		17-OCT-08	BOC	R742914
Mercury (Hg) - Dissolved									
	Mercury (Hg)-Dissolved	<0.00010		0.00010	mg/L		17-OCT-08	HAS	R743144
	Ammonia-N	<0.05		0.05	mg/L		17-OCT-08	LMK	R742999
	Biochemical Oxygen Demand	7		2	mg/L		16-OCT-08	EKC	R744578
	Oil and Grease	<1		1	mg/L		20-OCT-08	FOD	R743892
	Orthophosphate (PO4-P)	<0.01		0.01	mg/L		16-OCT-08	AYX	R742565
	Phosphorus, Total Diss.	<0.02		0.02	mg/L	17-OCT-08	20-OCT-08	KFA	R744131
	Total Carbon	12		1	mg/L		17-OCT-08	TL	R743173
	Total Inorganic Carbon	8		1	mg/L		17-OCT-08	ZOW	R743105
	Total Suspended Solids	<3		3	mg/L		17-OCT-08		

ALS LABORATORY GROUP ANALYTICAL REPORT

Sample Details/Parameters		Result	Qualifier*	D.L.	Units	Extracted	Analyzed	By	Batch
L696317-2 MEL 2									
Sampled By: NOT PROVIDED on 13-OCT-08 @ 16:00									
Matrix: WATER									
Turbidity		0.65		0.1	NTU		16-OCT-08	JIH	R742970
Routine Water Analysis									
Chloride (Cl)									
Chloride (Cl)		27		1	mg/L		17-OCT-08	KFA	R743100
ICP metals and SO4 for routine water									
Calcium (Ca)		21.5		0.5	mg/L		17-OCT-08	JWU	R743022
Potassium (K)		1.1		0.5	mg/L		17-OCT-08	JWU	R743022
Magnesium (Mg)		3.1		0.1	mg/L		17-OCT-08	JWU	R743022
Sodium (Na)		4		1	mg/L		17-OCT-08	JWU	R743022
Sulfate (SO4)		4.0		0.5	mg/L		17-OCT-08	JWU	R743022
Ion Balance Calculation									
Ion Balance		98.7			%		20-OCT-08		
TDS (Calculated)		82			mg/L		20-OCT-08		
Hardness (as CaCO3)		66			mg/L		20-OCT-08		
Nitrate+Nitrite-N		<0.1		0.1	mg/L		18-OCT-08	GUO	R743453
Nitrate-N		<0.1		0.1	mg/L		18-OCT-08	GUO	R743453
Nitrite-N		<0.05		0.05	mg/L		18-OCT-08	GUO	R743453
pH, Conductivity and Total Alkalinity									
pH		7.6		0.1	pH		17-OCT-08	CLTT	R743817
Conductivity (EC)		161		0.2	uS/cm		17-OCT-08	CLTT	R743817
Bicarbonate (HCO3)		43		5	mg/L		17-OCT-08	CLTT	R743817
Carbonate (CO3)		<5		5	mg/L		17-OCT-08	CLTT	R743817
Hydroxide (OH)		<5		5	mg/L		17-OCT-08	CLTT	R743817
Alkalinity, Total (as CaCO3)		36		5	mg/L		17-OCT-08	CLTT	R743817
L696317-3 MEL 4									
Sampled By: NOT PROVIDED on 14-OCT-08 @ 11:45									
Matrix: WATER									
Dissolved Metals - CCME									
Dissolved Trace Metals									
Silver (Ag)		<0.0001		0.0001	mg/L		18-OCT-08	SYF	R743097
Aluminum (Al)		<0.01		0.01	mg/L		18-OCT-08	SYF	R743097
Arsenic (As)		<0.0004		0.0004	mg/L		18-OCT-08	SYF	R743097
Boron (B)		<0.05		0.05	mg/L		18-OCT-08	SYF	R743097
Barium (Ba)		0.006		0.003	mg/L		18-OCT-08	SYF	R743097
Beryllium (Be)		<0.001		0.001	mg/L		18-OCT-08	SYF	R743097
Cadmium (Cd)		<0.0001		0.0001	mg/L		18-OCT-08	SYF	R743097
Cobalt (Co)		<0.002		0.002	mg/L		18-OCT-08	SYF	R743097
Chromium (Cr)		<0.005		0.005	mg/L		18-OCT-08	SYF	R743097
Copper (Cu)		<0.001		0.001	mg/L		18-OCT-08	SYF	R743097
Lithium (Li)		<0.003		0.003	mg/L		18-OCT-08	SYF	R743097
Molybdenum (Mo)		<0.005		0.005	mg/L		18-OCT-08	SYF	R743097
Nickel (Ni)		<0.002		0.002	mg/L		18-OCT-08	SYF	R743097
Lead (Pb)		<0.0001		0.0001	mg/L		18-OCT-08	SYF	R743097
Antimony (Sb)		<0.0004		0.0004	mg/L		18-OCT-08	SYF	R743097
Selenium (Se)		<0.0004		0.0004	mg/L		18-OCT-08	SYF	R743097
Tin (Sn)		<0.05		0.05	mg/L		18-OCT-08	SYF	R743097
Titanium (Ti)		<0.001		0.001	mg/L		18-OCT-08	SYF	R743097
Thallium (Tl)		<0.0001		0.0001	mg/L		18-OCT-08	SYF	R743097
Uranium (U)		<0.0001		0.0001	mg/L		18-OCT-08	SYF	R743097
Vanadium (V)		<0.001		0.001	mg/L		18-OCT-08	SYF	R743097
Zinc (Zn)		0.024		0.002	mg/L		18-OCT-08	SYF	R743097

ALS LABORATORY GROUP ANALYTICAL REPORT

Sample Details/Parameters		Result	Qualifier*	D.L.	Units	Extracted	Analyzed	By	Batch
L696317-3 MEL 4									
Sampled By: NOT PROVIDED on 14-OCT-08 @ 11:45									
Matrix: WATER									
Dissolved Metals - CCME									
Iron (Fe)-Dissolved		0.021		0.005	mg/L		17-OCT-08	BOC	R742914
Manganese (Mn)-Dissolved		0.002		0.001	mg/L		17-OCT-08	BOC	R742914
Mercury (Hg) - Dissolved									
Mercury (Hg)-Dissolved		<0.00010		0.00010	mg/L		17-OCT-08	HAS	R743144
Ammonia-N		<0.05		0.05	mg/L		17-OCT-08	LMK	R742999
Biochemical Oxygen Demand		<2		2	mg/L		16-OCT-08	EKC	R744578
MF - Fecal Coliforms		1		1	CFU/100mL		16-OCT-08	PB	R743695
Oil and Grease		<1		1	mg/L		20-OCT-08	FOD	R743892
Orthophosphate (PO4-P)		<0.01		0.01	mg/L	17-OCT-08	16-OCT-08	AYX	R742565
Phosphorus, Total Diss.		<0.02		0.02	mg/L		20-OCT-08	KFA	R744131
Total Carbon		7		1	mg/L		17-OCT-08	TL	R743173
Total Inorganic Carbon		3		1	mg/L		17-OCT-08	ZOW	R743105
Total Suspended Solids		3		3	mg/L		17-OCT-08	SVG	R743005
Turbidity		0.35		0.1	NTU		16-OCT-08	JIH	R742970
Routine Water Analysis									
Chloride (Cl)									
Chloride (Cl)		7		1	mg/L		17-OCT-08	KFA	R743100
ICP metals and SO4 for routine water									
Calcium (Ca)		6.1		0.5	mg/L		17-OCT-08	JWU	R743022
Potassium (K)		0.7		0.5	mg/L		17-OCT-08	JWU	R743022
Magnesium (Mg)		1.0		0.1	mg/L		17-OCT-08	JWU	R743022
Sodium (Na)		4		1	mg/L		17-OCT-08	JWU	R743022
Sulfate (SO4)		3.0		0.5	mg/L		17-OCT-08	JWU	R743022
Ion Balance Calculation									
Ion Balance		Low EC			%		20-OCT-08		
TDS (Calculated)		31			mg/L		20-OCT-08		
Hardness (as CaCO3)		19			mg/L		20-OCT-08		
Nitrate+Nitrite-N		<0.1		0.1	mg/L		18-OCT-08	GUO	R743453
Nitrate-N		<0.1		0.1	mg/L		18-OCT-08	GUO	R743453
Nitrite-N		<0.05		0.05	mg/L		18-OCT-08	GUO	R743453
pH, Conductivity and Total Alkalinity									
pH		7.3		0.1	pH		17-OCT-08	CLTT	R743817
Conductivity (EC)		61.6		0.2	uS/cm		17-OCT-08	CLTT	R743817
Bicarbonate (HCO3)		19		5	mg/L		17-OCT-08	CLTT	R743817
Carbonate (CO3)		<5		5	mg/L		17-OCT-08	CLTT	R743817
Hydroxide (OH)		<5		5	mg/L		17-OCT-08	CLTT	R743817
Alkalinity, Total (as CaCO3)		15		5	mg/L		17-OCT-08	CLTT	R743817
L696317-4 A54									
Sampled By: NOT PROVIDED on 13-OCT-08 @ 15:26									
Matrix: WATER									
Dissolved Metals - CCME									
Dissolved Trace Metals									
Silver (Ag)		<0.0001		0.0001	mg/L		18-OCT-08	SYF	R743097
Aluminum (Al)		<0.01		0.01	mg/L		18-OCT-08	SYF	R743097
Arsenic (As)		0.0039		0.0004	mg/L		18-OCT-08	SYF	R743097
Boron (B)		<0.05		0.05	mg/L		18-OCT-08	SYF	R743097
Barium (Ba)		0.112		0.003	mg/L		18-OCT-08	SYF	R743097
Beryllium (Be)		<0.001		0.001	mg/L		18-OCT-08	SYF	R743097
Cadmium (Cd)		<0.0001		0.0001	mg/L		18-OCT-08	SYF	R743097

ALS LABORATORY GROUP ANALYTICAL REPORT

Sample Details/Parameters		Result	Qualifier*	D.L.	Units	Extracted	Analyzed	By	Batch
L696317-4 A54									
Sampled By: NOT PROVIDED on 13-OCT-08 @ 15:26									
Matrix: WATER									
Dissolved Metals - CCME									
Dissolved Trace Metals									
Cobalt (Co)		<0.002		0.002	mg/L		18-OCT-08	SYF	R743097
Chromium (Cr)		<0.005		0.005	mg/L		17-OCT-08	BOC	R742914
Copper (Cu)		0.002		0.001	mg/L		18-OCT-08	SYF	R743097
Lithium (Li)		0.050		0.003	mg/L		18-OCT-08	SYF	R743097
Molybdenum (Mo)		<0.005		0.005	mg/L		18-OCT-08	SYF	R743097
Nickel (Ni)		0.007		0.002	mg/L		18-OCT-08	SYF	R743097
Lead (Pb)		0.0004		0.0001	mg/L		18-OCT-08	SYF	R743097
Antimony (Sb)		<0.0004		0.0004	mg/L		18-OCT-08	SYF	R743097
Selenium (Se)		0.0022		0.0004	mg/L		18-OCT-08	SYF	R743097
Tin (Sn)		<0.05		0.05	mg/L		18-OCT-08	SYF	R743097
Titanium (Ti)		<0.001		0.001	mg/L		18-OCT-08	SYF	R743097
Thallium (Tl)		<0.0001		0.0001	mg/L		18-OCT-08	SYF	R743097
Uranium (U)		0.0008		0.0001	mg/L		18-OCT-08	SYF	R743097
Vanadium (V)		<0.001		0.001	mg/L		17-OCT-08	BOC	R742914
Zinc (Zn)		0.059		0.002	mg/L		18-OCT-08	SYF	R743097
Iron (Fe)-Dissolved		0.076		0.005	mg/L		17-OCT-08	BOC	R742914
Manganese (Mn)-Dissolved		0.018		0.001	mg/L		17-OCT-08	BOC	R742914
Mercury (Hg) - Dissolved									
Mercury (Hg)-Dissolved		<0.00010		0.00010	mg/L		17-OCT-08	HAS	R743144
Ammonia-N		2.16		0.05	mg/L	17-OCT-08	17-OCT-08	LMK	R742999
Phosphorus, Total Diss.		<0.02		0.02	mg/L		20-OCT-08	KFA	R744131
Total Suspended Solids		15		3	mg/L		17-OCT-08	SVG	R743005
Turbidity		1.3		0.1	NTU		16-OCT-08	JIH	R742970
Routine Water Analysis									
Chloride (Cl)									
Chloride (Cl)		422		1	mg/L		17-OCT-08	KFA	R743100
ICP metals and SO4 for routine water									
Calcium (Ca)		180		0.5	mg/L		17-OCT-08	JWU	R743022
Potassium (K)		12.8		0.5	mg/L		17-OCT-08	JWU	R743022
Magnesium (Mg)		28.9		0.1	mg/L		17-OCT-08	JWU	R743022
Sodium (Na)		66		1	mg/L		17-OCT-08	JWU	R743022
Sulfate (SO4)		71.3		0.5	mg/L		17-OCT-08	JWU	R743022
Ion Balance Calculation									
Ion Balance		95.2			%		20-OCT-08		
TDS (Calculated)		865			mg/L		20-OCT-08		
Hardness (as CaCO3)		568			mg/L		20-OCT-08		
Nitrate+Nitrite-N		9.5		0.1	mg/L		18-OCT-08	GUO	R743453
Nitrate-N		9.2		0.1	mg/L		18-OCT-08	GUO	R743453
Nitrite-N		0.23		0.05	mg/L		18-OCT-08	GUO	R743453
pH, Conductivity and Total Alkalinity									
pH		7.8		0.1	pH		17-OCT-08	CLTT	R743817
Conductivity (EC)		1610		0.2	uS/cm		17-OCT-08	CLTT	R743817
Bicarbonate (HCO3)		85		5	mg/L		17-OCT-08	CLTT	R743817
Carbonate (CO3)		<5		5	mg/L		17-OCT-08	CLTT	R743817
Hydroxide (OH)		<5		5	mg/L		17-OCT-08	CLTT	R743817
Alkalinity, Total (as CaCO3)		70		5	mg/L		17-OCT-08	CLTT	R743817
L696317-5 P1									
Sampled By: NOT PROVIDED on 13-OCT-08 @ 15:15									
Matrix: WATER									

ALS LABORATORY GROUP ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	By	Batch
L696317-5 P1								
Sampled By: NOT PROVIDED on 13-OCT-08 @ 15:15								
Matrix: WATER								
Dissolved Metals - CCME								
Dissolved Trace Metals								
Silver (Ag)	<0.0001		0.0001	mg/L		18-OCT-08	SYF	R743097
Aluminum (Al)	<0.01		0.01	mg/L		18-OCT-08	SYF	R743097
Arsenic (As)	0.0036		0.0004	mg/L		18-OCT-08	SYF	R743097
Boron (B)	<0.05		0.05	mg/L		18-OCT-08	SYF	R743097
Barium (Ba)	0.098		0.003	mg/L		18-OCT-08	SYF	R743097
Beryllium (Be)	<0.001		0.001	mg/L		18-OCT-08	SYF	R743097
Cadmium (Cd)	<0.0001		0.0001	mg/L		18-OCT-08	SYF	R743097
Cobalt (Co)	<0.002		0.002	mg/L		18-OCT-08	SYF	R743097
Chromium (Cr)	<0.005		0.005	mg/L		18-OCT-08	SYF	R743097
Copper (Cu)	0.003		0.001	mg/L		18-OCT-08	SYF	R743097
Lithium (Li)	0.007		0.003	mg/L		18-OCT-08	SYF	R743097
Molybdenum (Mo)	<0.005		0.005	mg/L		18-OCT-08	SYF	R743097
Nickel (Ni)	0.007		0.002	mg/L		18-OCT-08	SYF	R743097
Lead (Pb)	0.0002		0.0001	mg/L		18-OCT-08	SYF	R743097
Antimony (Sb)	<0.0004		0.0004	mg/L		18-OCT-08	SYF	R743097
Selenium (Se)	0.0013		0.0004	mg/L		18-OCT-08	SYF	R743097
Tin (Sn)	<0.05		0.05	mg/L		18-OCT-08	SYF	R743097
Titanium (Ti)	<0.001		0.001	mg/L		18-OCT-08	SYF	R743097
Thallium (Tl)	<0.0001		0.0001	mg/L		18-OCT-08	SYF	R743097
Uranium (U)	0.0009		0.0001	mg/L		18-OCT-08	SYF	R743097
Vanadium (V)	<0.001		0.001	mg/L		18-OCT-08	SYF	R743097
Zinc (Zn)	0.036		0.002	mg/L		18-OCT-08	SYF	R743097
Iron (Fe)-Dissolved	0.089		0.005	mg/L		17-OCT-08	BOC	R742914
Manganese (Mn)-Dissolved	0.039		0.001	mg/L		17-OCT-08	BOC	R742914
Mercury (Hg) - Dissolved								
Mercury (Hg)-Dissolved	<0.00010		0.00010	mg/L		17-OCT-08	HAS	R743144
Ammonia-N	5.73		0.05	mg/L		17-OCT-08	LMK	R742999
Biochemical Oxygen Demand	<2	EHT	2	mg/L		20-OCT-08	LD	R746904
Oil and Grease	<1		1	mg/L		20-OCT-08	FOD	R743892
Phosphorus, Total Diss.	<0.02		0.02	mg/L	17-OCT-08	20-OCT-08	KFA	R744131
Total Suspended Solids	<3		3	mg/L		17-OCT-08	SVG	R743005
Turbidity	1.2		0.1	NTU		16-OCT-08	JIH	R742970
Routine Water Analysis								
Chloride (Cl)								
Chloride (Cl)	172		1	mg/L		17-OCT-08	KFA	R743100
ICP metals and SO4 for routine water								
Calcium (Ca)	127		0.5	mg/L		17-OCT-08	JWU	R743022
Potassium (K)	5.9		0.5	mg/L		17-OCT-08	JWU	R743022
Magnesium (Mg)	13.5		0.1	mg/L		17-OCT-08	JWU	R743022
Sodium (Na)	20		1	mg/L		17-OCT-08	JWU	R743022
Sulfate (SO4)	24.4		0.5	mg/L		17-OCT-08	JWU	R743022
Ion Balance Calculation								
Ion Balance	100			%		20-OCT-08		
TDS (Calculated)	486			mg/L		20-OCT-08		
Hardness (as CaCO3)	373			mg/L		20-OCT-08		
Nitrate+Nitrite-N	7.8		0.1	mg/L		18-OCT-08	GUO	R743453
Nitrate-N	7.6		0.1	mg/L		18-OCT-08	GUO	R743453
Nitrite-N	0.22		0.05	mg/L		18-OCT-08	GUO	R743453
pH, Conductivity and Total Alkalinity								

ALS LABORATORY GROUP ANALYTICAL REPORT

Sample Details/Parameters		Result	Qualifier*	D.L.	Units	Extracted	Analyzed	By	Batch
L696317-5	P1								
Sampled By: NOT PROVIDED on 13-OCT-08 @ 15:15									
Matrix: WATER									
Routine Water Analysis									
pH, Conductivity and Total Alkalinity									
pH		7.9		0.1	pH		17-OCT-08	CLTT	R743817
Conductivity (EC)		947		0.2	uS/cm		17-OCT-08	CLTT	R743817
Bicarbonate (HCO3)		179		5	mg/L		17-OCT-08	CLTT	R743817
Carbonate (CO3)		<5		5	mg/L		17-OCT-08	CLTT	R743817
Hydroxide (OH)		<5		5	mg/L		17-OCT-08	CLTT	R743817
Alkalinity, Total (as CaCO3)		147		5	mg/L		17-OCT-08	CLTT	R743817
L696317-6	TAP								
Sampled By: NOT PROVIDED on 14-OCT-08 @ 11:27									
Matrix: WATER									
MF - Fecal Coliforms		<1		1	CFU/100mL		16-OCT-08	PB	R743695
Total Suspended Solids		<3		3	mg/L		17-OCT-08	SVG	R743005
Routine Potable Water									
Chloride (Cl)									
Chloride (Cl)		7		1	mg/L		17-OCT-08	KFA	R743100
Fluoride (F)									
Fluoride (F)		<0.05		0.05	mg/L		17-OCT-08	CLTT	R743817
ICP metals and SO4 for routine water									
Calcium (Ca)		7.6		0.5	mg/L		17-OCT-08	JWU	R743022
Potassium (K)		0.8		0.5	mg/L		17-OCT-08	JWU	R743022
Magnesium (Mg)		1.3		0.1	mg/L		17-OCT-08	JWU	R743022
Sodium (Na)		4		1	mg/L		17-OCT-08	JWU	R743022
Sulfate (SO4)		3.2		0.5	mg/L		17-OCT-08	JWU	R743022
Ion Balance Calculation									
Ion Balance		Low EC			%		20-OCT-08		
TDS (Calculated)		37			mg/L		20-OCT-08		
Hardness (as CaCO3)		24			mg/L		20-OCT-08		
Iron (Fe)-Extractable		<0.05		0.05	mg/L		17-OCT-08	EOC	R743531
Manganese (Mn)-Extractable		<0.01		0.01	mg/L		17-OCT-08	EOC	R743531
Nitrate+Nitrite-N		<0.1		0.1	mg/L		18-OCT-08	GUO	R743453
Nitrate-N		<0.1		0.1	mg/L		18-OCT-08	GUO	R743453
Nitrite-N		<0.05		0.05	mg/L		18-OCT-08	GUO	R743453
Turbidity		0.60		0.1	NTU		16-OCT-08	JIH	R742970
pH, Conductivity and Total Alkalinity									
pH		7.4		0.1	pH		17-OCT-08	CLTT	R743817
Conductivity (EC)		69.7		0.2	uS/cm		17-OCT-08	CLTT	R743817
Bicarbonate (HCO3)		26		5	mg/L		17-OCT-08	CLTT	R743817
Carbonate (CO3)		<5		5	mg/L		17-OCT-08	CLTT	R743817
Hydroxide (OH)		<5		5	mg/L		17-OCT-08	CLTT	R743817
Alkalinity, Total (as CaCO3)		22		5	mg/L		17-OCT-08	CLTT	R743817
L696317-7	A15								
Sampled By: NOT PROVIDED on 13-OCT-08 @ 14:50									
Matrix: WATER									
Dissolved Metals - CCME									
Dissolved Trace Metals									
Silver (Ag)		<0.0001		0.0001	mg/L		18-OCT-08	SYF	R743097
Aluminum (Al)		0.02		0.01	mg/L		18-OCT-08	SYF	R743097
Arsenic (As)		0.0033		0.0004	mg/L		18-OCT-08	SYF	R743097
Boron (B)		<0.05		0.05	mg/L		18-OCT-08	SYF	R743097

ALS LABORATORY GROUP ANALYTICAL REPORT

Sample Details/Parameters		Result	Qualifier*	D.L.	Units	Extracted	Analyzed	By	Batch
L696317-7 A15									
Sampled By: NOT PROVIDED on 13-OCT-08 @ 14:50									
Matrix: WATER									
Dissolved Metals - CCME									
Dissolved Trace Metals									
Barium (Ba)		0.247		0.003	mg/L		18-OCT-08	SYF	R743097
Beryllium (Be)		<0.001		0.001	mg/L		18-OCT-08	SYF	R743097
Cadmium (Cd)		<0.0001		0.0001	mg/L		18-OCT-08	SYF	R743097
Cobalt (Co)		<0.002		0.002	mg/L		18-OCT-08	SYF	R743097
Chromium (Cr)		<0.005		0.005	mg/L		17-OCT-08	BOC	R742914
Copper (Cu)		0.002		0.001	mg/L		18-OCT-08	SYF	R743097
Lithium (Li)		0.073		0.003	mg/L		18-OCT-08	SYF	R743097
Molybdenum (Mo)		<0.005		0.005	mg/L		18-OCT-08	SYF	R743097
Nickel (Ni)		0.012		0.002	mg/L		18-OCT-08	SYF	R743097
Lead (Pb)		0.0002		0.0001	mg/L		18-OCT-08	SYF	R743097
Antimony (Sb)		<0.0004		0.0004	mg/L		18-OCT-08	SYF	R743097
Selenium (Se)		0.0062		0.0004	mg/L		18-OCT-08	SYF	R743097
Tin (Sn)		<0.05		0.05	mg/L		18-OCT-08	SYF	R743097
Titanium (Ti)		<0.001		0.001	mg/L		18-OCT-08	SYF	R743097
Thallium (Tl)		<0.0001		0.0001	mg/L		18-OCT-08	SYF	R743097
Uranium (U)		0.0001		0.0001	mg/L		18-OCT-08	SYF	R743097
Vanadium (V)		<0.001		0.001	mg/L		17-OCT-08	BOC	R742914
Zinc (Zn)		0.036		0.002	mg/L		18-OCT-08	SYF	R743097
Iron (Fe)-Dissolved		1.07		0.005	mg/L		17-OCT-08	BOC	R742914
Manganese (Mn)-Dissolved		0.084		0.001	mg/L		17-OCT-08	BOC	R742914
Mercury (Hg) - Dissolved									
Mercury (Hg)-Dissolved		<0.00010		0.00010	mg/L		17-OCT-08	HAS	R743144
Ammonia-N		<0.05		0.05	mg/L	17-OCT-08	17-OCT-08	LMK	R742999
Phosphorus, Total Diss.		<0.02		0.02	mg/L		20-OCT-08	KFA	R744131
Total Suspended Solids		5		3	mg/L		17-OCT-08	SVG	R743005
Turbidity		5.3		0.1	NTU		16-OCT-08	JIH	R742970
Routine Water Analysis									
Chloride (Cl)									
Chloride (Cl)		498		1	mg/L		17-OCT-08	KFA	R743100
ICP metals and SO4 for routine water									
Calcium (Ca)		225		0.5	mg/L		17-OCT-08	JWU	R743022
Potassium (K)		5.0		0.5	mg/L		17-OCT-08	JWU	R743022
Magnesium (Mg)		31.2		0.1	mg/L		17-OCT-08	JWU	R743022
Sodium (Na)		24		1	mg/L		17-OCT-08	JWU	R743022
Sulfate (SO4)		26.6		0.5	mg/L		17-OCT-08	JWU	R743022
Ion Balance Calculation									
Ion Balance		94.7			%		20-OCT-08		
TDS (Calculated)		846			mg/L		20-OCT-08		
Hardness (as CaCO3)		690			mg/L		20-OCT-08		
Nitrate+Nitrite-N		<0.1		0.1	mg/L		18-OCT-08	GUO	R743453
Nitrate-N		<0.1		0.1	mg/L		18-OCT-08	GUO	R743453
Nitrite-N		<0.05		0.05	mg/L		18-OCT-08	GUO	R743453
pH, Conductivity and Total Alkalinity									
pH		7.6		0.1	pH		17-OCT-08	CLTT	R743817
Conductivity (EC)		1710		0.2	uS/cm		17-OCT-08	CLTT	R743817
Bicarbonate (HCO3)		73		5	mg/L		17-OCT-08	CLTT	R743817
Carbonate (CO3)		<5		5	mg/L		17-OCT-08	CLTT	R743817
Hydroxide (OH)		<5		5	mg/L		17-OCT-08	CLTT	R743817
Alkalinity, Total (as CaCO3)		60		5	mg/L		17-OCT-08	CLTT	R743817

ALS LABORATORY GROUP ANALYTICAL REPORT

Sample Details/Parameters		Result	Qualifier*	D.L.	Units	Extracted	Analyzed	By	Batch
L696317-8 A13									
Sampled By: NOT PROVIDED on 13-OCT-08 @ 14:57									
Matrix: WATER									
Routine Water Analysis									
Nitrite-N		<0.05		0.05	mg/L		18-OCT-08	GUO	R743453
pH, Conductivity and Total Alkalinity									
pH		7.7		0.1	pH		17-OCT-08	CLTT	R743817
Conductivity (EC)		1540		0.2	uS/cm		17-OCT-08	CLTT	R743817
Bicarbonate (HCO3)		57		5	mg/L		17-OCT-08	CLTT	R743817
Carbonate (CO3)		<5		5	mg/L		17-OCT-08	CLTT	R743817
Hydroxide (OH)		<5		5	mg/L		17-OCT-08	CLTT	R743817
Alkalinity, Total (as CaCO3)		47		5	mg/L		17-OCT-08	CLTT	R743817
L696317-9 A9									
Sampled By: NOT PROVIDED on 13-OCT-08 @ 16:21									
Matrix: WATER									
Dissolved Metals - CCME									
Dissolved Trace Metals									
Silver (Ag)		<0.0001		0.0001	mg/L		18-OCT-08	SYF	R743097
Aluminum (Al)		<0.01		0.01	mg/L		18-OCT-08	SYF	R743097
Arsenic (As)		0.0036		0.0004	mg/L		18-OCT-08	SYF	R743097
Boron (B)		<0.05		0.05	mg/L		18-OCT-08	SYF	R743097
Barium (Ba)		0.158		0.003	mg/L		18-OCT-08	SYF	R743097
Beryllium (Be)		<0.001		0.001	mg/L		18-OCT-08	SYF	R743097
Cadmium (Cd)		<0.0001		0.0001	mg/L		18-OCT-08	SYF	R743097
Cobalt (Co)		<0.002		0.002	mg/L		18-OCT-08	SYF	R743097
Chromium (Cr)		<0.005		0.005	mg/L		17-OCT-08	BOC	R742914
Copper (Cu)		0.002		0.001	mg/L		18-OCT-08	SYF	R743097
Lithium (Li)		0.053		0.003	mg/L		18-OCT-08	SYF	R743097
Molybdenum (Mo)		<0.005		0.005	mg/L		18-OCT-08	SYF	R743097
Nickel (Ni)		0.007		0.002	mg/L		18-OCT-08	SYF	R743097
Lead (Pb)		<0.0001		0.0001	mg/L		18-OCT-08	SYF	R743097
Antimony (Sb)		<0.0004		0.0004	mg/L		18-OCT-08	SYF	R743097
Selenium (Se)		0.0033		0.0004	mg/L		18-OCT-08	SYF	R743097
Tin (Sn)		<0.05		0.05	mg/L		18-OCT-08	SYF	R743097
Titanium (Ti)		<0.001		0.001	mg/L		18-OCT-08	SYF	R743097
Thallium (Tl)		<0.0001		0.0001	mg/L		18-OCT-08	SYF	R743097
Uranium (U)		0.0002		0.0001	mg/L		18-OCT-08	SYF	R743097
Vanadium (V)		<0.001		0.001	mg/L		17-OCT-08	BOC	R742914
Zinc (Zn)		0.053		0.002	mg/L		18-OCT-08	SYF	R743097
Iron (Fe)-Dissolved		0.120		0.005	mg/L		17-OCT-08	BOC	R742914
Manganese (Mn)-Dissolved		0.009		0.001	mg/L		17-OCT-08	BOC	R742914
Mercury (Hg) - Dissolved									
Mercury (Hg)-Dissolved		<0.00010		0.00010	mg/L		17-OCT-08	HAS	R743144
Ammonia-N		<0.05		0.05	mg/L		17-OCT-08	LMK	R742999
Phosphorus, Total Diss.		<0.02		0.02	mg/L	17-OCT-08	20-OCT-08	KFA	R744131
Total Suspended Solids		4		3	mg/L		17-OCT-08	SVG	R743005
Turbidity		1.3		0.1	NTU		16-OCT-08	JIH	R742970
Routine Water Analysis									
Chloride (Cl)									
Chloride (Cl)		370		1	mg/L		17-OCT-08	KFA	R743100
ICP metals and SO4 for routine water									
Calcium (Ca)		166		0.5	mg/L		17-OCT-08	JWU	R743022
Potassium (K)		4.8		0.5	mg/L		17-OCT-08	JWU	R743022
Magnesium (Mg)		22.8		0.1	mg/L		17-OCT-08	JWU	R743022

ALS LABORATORY GROUP ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	By	Batch
L696317-9 A9 Sampled By: NOT PROVIDED on 13-OCT-08 @ 16:21 Matrix: WATER Routine Water Analysis ICP metals and SO4 for routine water Sodium (Na) 22 1 mg/L 17-OCT-08 JWU R743022 Sulfate (SO4) 19.7 0.5 mg/L 17-OCT-08 JWU R743022 Ion Balance Calculation Ion Balance 92.3 % 20-OCT-08 TDS (Calculated) 646 mg/L 20-OCT-08 Hardness (as CaCO3) 508 mg/L 20-OCT-08 Nitrate+Nitrite-N <0.1 0.1 mg/L 18-OCT-08 GUO R743453 Nitrate-N <0.1 0.1 mg/L 18-OCT-08 GUO R743453 Nitrite-N <0.05 0.05 mg/L 18-OCT-08 GUO R743453 pH, Conductivity and Total Alkalinity pH 7.9 0.1 pH 17-OCT-08 CLTT R743817 Conductivity (EC) 1310 0.2 uS/cm 17-OCT-08 CLTT R743817 Bicarbonate (HCO3) 81 5 mg/L 17-OCT-08 CLTT R743817 Carbonate (CO3) <5 5 mg/L 17-OCT-08 CLTT R743817 Hydroxide (OH) <5 5 mg/L 17-OCT-08 CLTT R743817 Alkalinity, Total (as CaCO3) 67 5 mg/L 17-OCT-08 CLTT R743817								
L696317-10 A38 Sampled By: NOT PROVIDED on 13-OCT-08 @ 16:35 Matrix: WATER Dissolved Metals - CCME Dissolved Trace Metals Silver (Ag) <0.0001 0.0001 mg/L 18-OCT-08 SYF R743097 Aluminum (Al) <0.01 0.01 mg/L 18-OCT-08 SYF R743097 Arsenic (As) 0.0031 0.0004 mg/L 18-OCT-08 SYF R743097 Boron (B) <0.05 0.05 mg/L 18-OCT-08 SYF R743097 Barium (Ba) 0.097 0.003 mg/L 18-OCT-08 SYF R743097 Beryllium (Be) <0.001 0.001 mg/L 18-OCT-08 SYF R743097 Cadmium (Cd) <0.0001 0.0001 mg/L 18-OCT-08 SYF R743097 Cobalt (Co) <0.002 0.002 mg/L 18-OCT-08 SYF R743097 Chromium (Cr) <0.005 0.005 mg/L 17-OCT-08 BOC R742914 Copper (Cu) 0.002 0.001 mg/L 18-OCT-08 SYF R743097 Lithium (Li) 0.038 0.003 mg/L 18-OCT-08 SYF R743097 Molybdenum (Mo) <0.005 0.005 mg/L 18-OCT-08 SYF R743097 Nickel (Ni) 0.006 0.002 mg/L 18-OCT-08 SYF R743097 Lead (Pb) 0.0001 0.0001 mg/L 18-OCT-08 SYF R743097 Antimony (Sb) <0.0004 0.0004 mg/L 18-OCT-08 SYF R743097 Selenium (Se) 0.0020 0.0004 mg/L 18-OCT-08 SYF R743097 Tin (Sn) <0.05 0.05 mg/L 18-OCT-08 SYF R743097 Titanium (Ti) <0.001 0.001 mg/L 18-OCT-08 SYF R743097 Thallium (Tl) <0.0001 0.0001 mg/L 18-OCT-08 SYF R743097 Uranium (U) 0.0004 0.0001 mg/L 18-OCT-08 SYF R743097 Vanadium (V) <0.001 0.001 mg/L 17-OCT-08 BOC R742914 Zinc (Zn) 0.046 0.002 mg/L 18-OCT-08 SYF R743097 Iron (Fe)-Dissolved 0.029 0.005 mg/L 17-OCT-08 BOC R742914 Manganese (Mn)-Dissolved 0.005 0.001 mg/L 17-OCT-08 BOC R742914 Mercury (Hg) - Dissolved Mercury (Hg)-Dissolved <0.00010 0.00010 mg/L 17-OCT-08 HAS R743144 Ammonia-N 1.02 0.05 mg/L 17-OCT-08 LMK R742999 Phosphorus, Total Diss. <0.02 0.02 mg/L 17-OCT-08 KFA R744131								

ALS LABORATORY GROUP ANALYTICAL REPORT

Sample Details/Parameters		Result	Qualifier*	D.L.	Units	Extracted	Analyzed	By	Batch
L696317-10 A38									
Sampled By: NOT PROVIDED on 13-OCT-08 @ 16:35									
Matrix: WATER									
Total Suspended Solids		<3		3	mg/L		17-OCT-08	SVG	R743005
Turbidity		0.55		0.1	NTU		16-OCT-08	JIH	R742970
Routine Water Analysis									
Chloride (Cl)									
Chloride (Cl)		325		1	mg/L		17-OCT-08	KFA	R743100
ICP metals and SO4 for routine water									
Calcium (Ca)		148		0.5	mg/L		17-OCT-08	JWU	R743022
Potassium (K)		10.2		0.5	mg/L		17-OCT-08	JWU	R743022
Magnesium (Mg)		24.0		0.1	mg/L		17-OCT-08	JWU	R743022
Sodium (Na)		51		1	mg/L		17-OCT-08	JWU	R743022
Sulfate (SO4)		56.4		0.5	mg/L		17-OCT-08	JWU	R743022
Ion Balance Calculation									
Ion Balance		97.8			%		20-OCT-08		
TDS (Calculated)		682			mg/L		20-OCT-08		
Hardness (as CaCO3)		468			mg/L		20-OCT-08		
Nitrate+Nitrite-N		5.3		0.1	mg/L		18-OCT-08	GUO	R743453
Nitrate-N		5.2		0.1	mg/L		18-OCT-08	GUO	R743453
Nitrite-N		0.08		0.05	mg/L		18-OCT-08	GUO	R743453
pH, Conductivity and Total Alkalinity									
pH		7.9		0.1	pH		17-OCT-08	CLTT	R743817
Conductivity (EC)		1300		0.2	uS/cm		17-OCT-08	CLTT	R743817
Bicarbonate (HCO3)		89		5	mg/L		17-OCT-08	CLTT	R743817
Carbonate (CO3)		<5		5	mg/L		17-OCT-08	CLTT	R743817
Hydroxide (OH)		<5		5	mg/L		17-OCT-08	CLTT	R743817
Alkalinity, Total (as CaCO3)		73		5	mg/L		17-OCT-08	CLTT	R743817
L696317-11 A8-7									
Sampled By: NOT PROVIDED on 14-OCT-08 @ 13:55									
Matrix: WATER									
Dissolved Metals - CCME									
Dissolved Trace Metals									
Silver (Ag)		<0.0001		0.0001	mg/L		18-OCT-08	SYF	R743097
Aluminum (Al)		<0.01		0.01	mg/L		18-OCT-08	SYF	R743097
Arsenic (As)		0.0015		0.0004	mg/L		18-OCT-08	SYF	R743097
Boron (B)		<0.05		0.05	mg/L		18-OCT-08	SYF	R743097
Barium (Ba)		0.015		0.003	mg/L		18-OCT-08	SYF	R743097
Beryllium (Be)		<0.001		0.001	mg/L		18-OCT-08	SYF	R743097
Cadmium (Cd)		<0.0001		0.0001	mg/L		18-OCT-08	SYF	R743097
Cobalt (Co)		<0.002		0.002	mg/L		18-OCT-08	SYF	R743097
Chromium (Cr)		<0.005		0.005	mg/L		18-OCT-08	SYF	R743097
Copper (Cu)		<0.001		0.001	mg/L		18-OCT-08	SYF	R743097
Lithium (Li)		0.004		0.003	mg/L		18-OCT-08	SYF	R743097
Molybdenum (Mo)		<0.005		0.005	mg/L		18-OCT-08	SYF	R743097
Nickel (Ni)		<0.002		0.002	mg/L		18-OCT-08	SYF	R743097
Lead (Pb)		<0.0001		0.0001	mg/L		18-OCT-08	SYF	R743097
Antimony (Sb)		<0.0004		0.0004	mg/L		18-OCT-08	SYF	R743097
Selenium (Se)		0.0006		0.0004	mg/L		18-OCT-08	SYF	R743097
Tin (Sn)		<0.05		0.05	mg/L		18-OCT-08	SYF	R743097
Titanium (Ti)		<0.001		0.001	mg/L		18-OCT-08	SYF	R743097
Thallium (Tl)		<0.0001		0.0001	mg/L		18-OCT-08	SYF	R743097
Uranium (U)		<0.0001		0.0001	mg/L		18-OCT-08	SYF	R743097
Vanadium (V)		<0.001		0.001	mg/L		18-OCT-08	SYF	R743097

ALS LABORATORY GROUP ANALYTICAL REPORT

Sample Details/Parameters		Result	Qualifier*	D.L.	Units	Extracted	Analyzed	By	Batch
L696317-11 A8-7									
Sampled By: NOT PROVIDED on 14-OCT-08 @ 13:55									
Matrix: WATER									
Dissolved Metals - CCME									
Dissolved Trace Metals									
Zinc (Zn)		0.070		0.002	mg/L		18-OCT-08	SYF	R743097
Iron (Fe)-Dissolved		0.026		0.005	mg/L		17-OCT-08	BOC	R742914
Manganese (Mn)-Dissolved		0.002		0.001	mg/L		17-OCT-08	BOC	R742914
Mercury (Hg) - Dissolved									
Mercury (Hg)-Dissolved		<0.00010		0.00010	mg/L		17-OCT-08	HAS	R743144
Ammonia-N		<0.05		0.05	mg/L	17-OCT-08	17-OCT-08	LMK	R742999
Phosphorus, Total Diss.		<0.02		0.02	mg/L		20-OCT-08	KFA	R744131
Total Suspended Solids		<3		3	mg/L		17-OCT-08	SVG	R743005
Turbidity		0.35		0.1	NTU		16-OCT-08	JIH	R742970
Routine Water Analysis									
Chloride (Cl)									
Chloride (Cl)		25		1	mg/L		21-OCT-08	DDN	R743477
ICP metals and SO4 for routine water									
Calcium (Ca)		21.2		0.5	mg/L		17-OCT-08	JWU	R743022
Potassium (K)		1.1		0.5	mg/L		17-OCT-08	JWU	R743022
Magnesium (Mg)		3.0		0.1	mg/L		17-OCT-08	JWU	R743022
Sodium (Na)		4		1	mg/L		17-OCT-08	JWU	R743022
Sulfate (SO4)		4.6		0.5	mg/L		21-OCT-08	DDN	R743477
Ion Balance Calculation									
Ion Balance		98.0			%		21-OCT-08		
TDS (Calculated)		81			mg/L		21-OCT-08		
Hardness (as CaCO3)		65			mg/L		21-OCT-08		
Nitrate+Nitrite-N		<0.1		0.1	mg/L		18-OCT-08	GUO	R743453
Nitrate-N		<0.1		0.1	mg/L		18-OCT-08	GUO	R743453
Nitrite-N		<0.05		0.05	mg/L		18-OCT-08	GUO	R743453
pH, Conductivity and Total Alkalinity									
pH		7.8		0.1	pH		17-OCT-08	CLTT	R743817
Conductivity (EC)		159		0.2	uS/cm		17-OCT-08	CLTT	R743817
Bicarbonate (HCO3)		45		5	mg/L		17-OCT-08	CLTT	R743817
Carbonate (CO3)		<5		5	mg/L		17-OCT-08	CLTT	R743817
Hydroxide (OH)		<5		5	mg/L		17-OCT-08	CLTT	R743817
Alkalinity, Total (as CaCO3)		37		5	mg/L		17-OCT-08	CLTT	R743817
L696317-12 ML-R									
Sampled By: NOT PROVIDED on 14-OCT-08 @ 14:15									
Matrix: WATER									
Dissolved Metals - CCME									
Dissolved Trace Metals									
Silver (Ag)		<0.0001		0.0001	mg/L		18-OCT-08	SYF	R743097
Aluminum (Al)		0.01		0.01	mg/L		18-OCT-08	SYF	R743097
Arsenic (As)		<0.0004		0.0004	mg/L		18-OCT-08	SYF	R743097
Boron (B)		<0.05		0.05	mg/L		18-OCT-08	SYF	R743097
Barium (Ba)		0.012		0.003	mg/L		18-OCT-08	SYF	R743097
Beryllium (Be)		<0.001		0.001	mg/L		18-OCT-08	SYF	R743097
Cadmium (Cd)		<0.0001		0.0001	mg/L		18-OCT-08	SYF	R743097
Cobalt (Co)		<0.002		0.002	mg/L		18-OCT-08	SYF	R743097
Chromium (Cr)		<0.005		0.005	mg/L		18-OCT-08	SYF	R743097
Copper (Cu)		0.001		0.001	mg/L		18-OCT-08	SYF	R743097
Lithium (Li)		<0.003		0.003	mg/L		18-OCT-08	SYF	R743097
Molybdenum (Mo)		<0.005		0.005	mg/L		18-OCT-08	SYF	R743097

ALS LABORATORY GROUP ANALYTICAL REPORT

Sample Details/Parameters		Result	Qualifier*	D.L.	Units	Extracted	Analyzed	By	Batch
L696317-12 ML-R									
Sampled By: NOT PROVIDED on 14-OCT-08 @ 14:15									
Matrix: WATER									
Dissolved Metals - CCME									
Dissolved Trace Metals									
Nickel (Ni)		<0.002		0.002	mg/L		18-OCT-08	SYF	R743097
Lead (Pb)		<0.0001		0.0001	mg/L		18-OCT-08	SYF	R743097
Antimony (Sb)		<0.0004		0.0004	mg/L		18-OCT-08	SYF	R743097
Selenium (Se)		<0.0004		0.0004	mg/L		18-OCT-08	SYF	R743097
Tin (Sn)		<0.05		0.05	mg/L		18-OCT-08	SYF	R743097
Titanium (Ti)		<0.001		0.001	mg/L		18-OCT-08	SYF	R743097
Thallium (Tl)		<0.0001		0.0001	mg/L		18-OCT-08	SYF	R743097
Uranium (U)		<0.0001		0.0001	mg/L		18-OCT-08	SYF	R743097
Vanadium (V)		<0.001		0.001	mg/L		18-OCT-08	SYF	R743097
Zinc (Zn)		0.070		0.002	mg/L		18-OCT-08	SYF	R743097
Iron (Fe)-Dissolved		0.035		0.005	mg/L		17-OCT-08	BOC	R742914
Manganese (Mn)-Dissolved		0.002		0.001	mg/L		17-OCT-08	BOC	R742914
Mercury (Hg) - Dissolved									
Mercury (Hg)-Dissolved		<0.00010		0.00010	mg/L		17-OCT-08	HAS	R743144
Ammonia-N		<0.05		0.05	mg/L		17-OCT-08	LMK	R742999
Phosphorus, Total Diss.		<0.02		0.02	mg/L	17-OCT-08	20-OCT-08	KFA	R744131
Total Suspended Solids		<3		3	mg/L		17-OCT-08	SVG	R743005
Turbidity		0.95		0.1	NTU		16-OCT-08	JIH	R742970
Routine Water Analysis									
Chloride (Cl)									
Chloride (Cl)		19		1	mg/L		17-OCT-08	KFA	R743100
ICP metals and SO4 for routine water									
Calcium (Ca)		12.4		0.5	mg/L		17-OCT-08	JWU	R743022
Potassium (K)		1.5		0.5	mg/L		17-OCT-08	JWU	R743022
Magnesium (Mg)		2.2		0.1	mg/L		17-OCT-08	JWU	R743022
Sodium (Na)		9		1	mg/L		17-OCT-08	JWU	R743022
Sulfate (SO4)		5.4		0.5	mg/L		17-OCT-08	JWU	R743022
Ion Balance Calculation									
Ion Balance		98.0			%		20-OCT-08		
TDS (Calculated)		68			mg/L		20-OCT-08		
Hardness (as CaCO3)		40			mg/L		20-OCT-08		
Nitrate+Nitrite-N		<0.1		0.1	mg/L		18-OCT-08	GUO	R743453
Nitrate-N		<0.1		0.1	mg/L		18-OCT-08	GUO	R743453
Nitrite-N		<0.05		0.05	mg/L		18-OCT-08	GUO	R743453
pH, Conductivity and Total Alkalinity									
pH		7.6		0.1	pH		17-OCT-08	CLTT	R743817
Conductivity (EC)		130		0.2	uS/cm		17-OCT-08	CLTT	R743817
Bicarbonate (HCO3)		37		5	mg/L		17-OCT-08	CLTT	R743817
Carbonate (CO3)		<5		5	mg/L		17-OCT-08	CLTT	R743817
Hydroxide (OH)		<5		5	mg/L		17-OCT-08	CLTT	R743817
Alkalinity, Total (as CaCO3)		30		5	mg/L		17-OCT-08	CLTT	R743817
L696317-13 CONTROL									
Sampled By: NOT PROVIDED on 14-OCT-08 @ 14:05									
Matrix: WATER									
Dissolved Metals - CCME									
Dissolved Trace Metals									
Silver (Ag)		<0.0001		0.0001	mg/L		18-OCT-08	SYF	R743097
Aluminum (Al)		<0.01		0.01	mg/L		18-OCT-08	SYF	R743097
Arsenic (As)		0.0004		0.0004	mg/L		18-OCT-08	SYF	R743097

ALS LABORATORY GROUP ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	By	Batch
L696317-13 CONTROL								
Sampled By: NOT PROVIDED on 14-OCT-08 @ 14:05								
Matrix: WATER								
Dissolved Metals - CCME								
Dissolved Trace Metals								
Boron (B)	<0.05		0.05	mg/L		18-OCT-08	SYF	R743097
Barium (Ba)	0.008		0.003	mg/L		18-OCT-08	SYF	R743097
Beryllium (Be)	<0.001		0.001	mg/L		18-OCT-08	SYF	R743097
Cadmium (Cd)	<0.0001		0.0001	mg/L		18-OCT-08	SYF	R743097
Cobalt (Co)	<0.002		0.002	mg/L		18-OCT-08	SYF	R743097
Chromium (Cr)	<0.005		0.005	mg/L		18-OCT-08	SYF	R743097
Copper (Cu)	0.001		0.001	mg/L		18-OCT-08	SYF	R743097
Lithium (Li)	<0.003		0.003	mg/L		18-OCT-08	SYF	R743097
Molybdenum (Mo)	<0.005		0.005	mg/L		18-OCT-08	SYF	R743097
Nickel (Ni)	<0.002		0.002	mg/L		18-OCT-08	SYF	R743097
Lead (Pb)	0.0003		0.0001	mg/L		18-OCT-08	SYF	R743097
Antimony (Sb)	<0.0004		0.0004	mg/L		18-OCT-08	SYF	R743097
Selenium (Se)	<0.0004		0.0004	mg/L		18-OCT-08	SYF	R743097
Tin (Sn)	<0.05		0.05	mg/L		18-OCT-08	SYF	R743097
Titanium (Ti)	<0.001		0.001	mg/L		18-OCT-08	SYF	R743097
Thallium (Tl)	<0.0001		0.0001	mg/L		18-OCT-08	SYF	R743097
Uranium (U)	<0.0001		0.0001	mg/L		18-OCT-08	SYF	R743097
Vanadium (V)	<0.001		0.001	mg/L		18-OCT-08	SYF	R743097
Zinc (Zn)	0.044		0.002	mg/L		21-OCT-08	SYF	R744695
Iron (Fe)-Dissolved	0.020		0.005	mg/L		17-OCT-08	BOC	R742914
Manganese (Mn)-Dissolved	0.002		0.001	mg/L		17-OCT-08	BOC	R742914
Mercury (Hg) - Dissolved								
Mercury (Hg)-Dissolved	<0.00010		0.00010	mg/L		17-OCT-08	HAS	R743144
Ammonia-N	<0.05		0.05	mg/L		17-OCT-08	LMK	R742999
Phosphorus, Total Diss.	<0.02		0.02	mg/L	17-OCT-08	20-OCT-08	KFA	R744131
Total Suspended Solids	<3		3	mg/L		17-OCT-08	SVG	R743005
Turbidity	0.35		0.1	NTU		16-OCT-08	JIH	R742970
Routine Water Analysis								
Chloride (Cl)								
Chloride (Cl)	8		1	mg/L		17-OCT-08	KFA	R743100
ICP metals and SO4 for routine water								
Calcium (Ca)	9.6		0.5	mg/L		17-OCT-08	JWU	R743022
Potassium (K)	1.1		0.5	mg/L		17-OCT-08	JWU	R743022
Magnesium (Mg)	1.1		0.1	mg/L		17-OCT-08	JWU	R743022
Sodium (Na)	4		1	mg/L		17-OCT-08	JWU	R743022
Sulfate (SO4)	2.3		0.5	mg/L		17-OCT-08	JWU	R743022
Ion Balance Calculation								
Ion Balance	Low EC			%		20-OCT-08		
TDS (Calculated)	41			mg/L		20-OCT-08		
Hardness (as CaCO3)	29			mg/L		20-OCT-08		
Nitrate+Nitrite-N	<0.1		0.1	mg/L		18-OCT-08	GUO	R743453
Nitrate-N	<0.1		0.1	mg/L		18-OCT-08	GUO	R743453
Nitrite-N	<0.05		0.05	mg/L		18-OCT-08	GUO	R743453
pH, Conductivity and Total Alkalinity								
pH	7.6		0.1	pH		17-OCT-08	CLTT	R743817
Conductivity (EC)	78.4		0.2	uS/cm		17-OCT-08	CLTT	R743817
Bicarbonate (HCO3)	31		5	mg/L		17-OCT-08	CLTT	R743817
Carbonate (CO3)	<5		5	mg/L		17-OCT-08	CLTT	R743817
Hydroxide (OH)	<5		5	mg/L		17-OCT-08	CLTT	R743817

ALS LABORATORY GROUP ANALYTICAL REPORT

Sample Details/Parameters		Result	Qualifier*	D.L.	Units	Extracted	Analyzed	By	Batch
L696317-13	CONTROL								
Sampled By:	NOT PROVIDED on 14-OCT-08 @ 14:05								
Matrix:	WATER								
Routine Water Analysis									
pH, Conductivity and Total Alkalinity									
Alkalinity, Total (as CaCO3)		25		5	mg/L		17-OCT-08	CLTT	R743817
* Refer to Referenced Information for Qualifiers (if any) and Methodology.									

Reference Information

Qualifiers for Individual Samples Listed:

Sample Number	Client ID	Qualifier	Description
L696317-1	MEL 1	PDM	Dissolve metals - Particulate was observed in preserved Dissolved Metals sample. Associated results may be biased low.
		SFPL	TDP - Sample was Filtered and Preserved at the laboratory
L696317-10	A38	SFPL	TDP - Sample was Filtered and Preserved at the laboratory
L696317-11	A8-7	SFPL	TDP - Sample was Filtered and Preserved at the laboratory
L696317-12	ML-R	SFPL	TDP - Sample was Filtered and Preserved at the laboratory
L696317-13	CONTROL	SFPL	TDP - Sample was Filtered and Preserved at the laboratory
L696317-2	MEL 2	SFPL	TDP - Sample was Filtered and Preserved at the laboratory
L696317-3	MEL 4	SFPL	TDP - Sample was Filtered and Preserved at the laboratory
L696317-4	A54	PDM	Dissolve metals - Particulate was observed in preserved Dissolved Metals sample. Associated results may be biased low.
		SFPL	TDP - Sample was Filtered and Preserved at the laboratory
L696317-5	P1	SFPL	TDP - Sample was Filtered and Preserved at the laboratory
L696317-7	A15	PDM	Dissolve metals - Particulate was observed in preserved Dissolved Metals sample. Associated results may be biased low.
		SFPL	TDP - Sample was Filtered and Preserved at the laboratory
L696317-8	A13	SFPL	TDP - Sample was Filtered and Preserved at the laboratory
L696317-9	A9	SFPL	TDP - Sample was Filtered and Preserved at the laboratory

Sample Parameter Qualifier key listed:

Qualifier	Description
EHT	Exceeded Recommended Holding Time Prior To Analysis
RAMB	Result Adjusted For Method Blank

Methods Listed (if applicable):

ALS Test Code	Matrix	Test Description	Preparation Method Reference(Based On)	Analytical Method Reference(Based On)
BOD-ED	Water	Biochemical Oxygen Demand (BOD)		APHA 5210 B-5 day Incub.-O2 electrode
C-TOT-ED	Water	Total Carbon		APHA 5310 B-Instrumental
C-TOT-INORG-ED	Water	Total Inorganic Carbon		APHA 5310 B-Instrumental
CL-ED	Water	Chloride (Cl)		APHA 4500 Cl E-Colorimetry
ETL-ROUTINE-ICP-ED	Water	ICP metals and SO4 for routine water		APHA 3120 B-ICP-OES
F-ED	Water	Fluoride (F)		APHA 4500 F-C-Electrode
FCC-MF-PB	Water	Fecal Coliform Count-MF		APHA 9222D MF
FE-DIS-ED	Water	Iron (Fe)-Dissolved		EPA 200.7
FE-EXT-ROU-ED	Water	Iron (Fe)-Extractable		APHA 3120 B-ICP-OES
HG-D-CVAA-ED	Water	Mercury (Hg) - Dissolved		EPA 245.7 / EPA 245.1
IONBALANCE-ED	Water	Ion Balance Calculation		APHA 1030E
MET1-DIS-CCME-ED	Water	Dissolved Trace Metals		EPA 6020
MN-DIS-ED	Water	Manganese (Mn)-Dissolved		EPA 200.7
MN-EXT-ROU-ED	Water	Manganese (Mn)-Extractable		APHA 3120 B-ICP-OES
N2N3-ED	Water	Nitrate+Nitrite-N		APHA 4500 NO3-H - COLORIMETRY
NH4-ED	Water	Ammonia-N		APHA4500NH3F Colorimetry
NO2-ED	Water	Nitrite-N		APHA 4500 NO2B-Colorimetry
NO3-ED	Water	Nitrate-N		APHA 4500 NO3H-Colorimetry
OGG-ED	Water	Oil and Grease-Gravimetric		APHA 5520 G HEXANE MTBE EXT. GRAVIME
P-TOTALDIS-ED	Water	Phosphorus, Total Dissolved		APHA 4500 P B,E-Auto-Colorimetry
PH/EC/ALK-ED	Water	pH, Conductivity and Total Alkalinity		APHA 4500-H, 2510, 2320
PO4-ED	Water	Orthophosphate (PO4-P)		APHA 4500 P B,E-Auto-Colorimetry
SOLIDS-TOTSUS-ED	Water	Total Suspended Solids Turbidity		APHA 2540 D-Gravimetric APHA 2130 B-Nephelometer

Reference Information

TURBIDITY-ED Water

** Laboratory Methods employed follow in-house procedures, which are generally based on nationally or internationally accepted methodologies.			
Chain of Custody numbers:			
C013076		C019891	
The last two letters of the above test code(s) indicate the laboratory that performed analytical analysis for that test. Refer to the list below:			
Laboratory Definition Code	Laboratory Location	Laboratory Definition Code	Laboratory Location
ED	ALS LABORATORY GROUP - EDMONTON, ALBERTA, CANADA	PB	PBR LABORATORIES
GLOSSARY OF REPORT TERMS Surr - A surrogate is an organic compound that is similar to the target analyte(s) in chemical composition and behavior but not normally detected in environmental samples. Prior to sample processing, samples are fortified with one or more surrogate compounds. The reported surrogate recovery value provides a measure of method efficiency. The Laboratory control limits are determined under column heading D.L. mg/kg (units) - unit of concentration based on mass, parts per million. mg/L (units) - unit of concentration based on volume, parts per million. < - Less than. D.L. - The reporting limit. N/A - Result not available. Refer to qualifier code and definition for explanation. Test results reported relate only to the samples as received by the laboratory. UNLESS OTHERWISE STATED, ALL SAMPLES WERE RECEIVED IN ACCEPTABLE CONDITION. UNLESS OTHERWISE STATED, SAMPLES ARE NOT CORRECTED FOR CLIENT FIELD BLANKS. Although test results are generated under strict QA/QC protocols, any unsigned test reports, faxes, or emails are considered preliminary. ALS Laboratory Group has an extensive QA/QC program where all analytical data reported is analyzed using approved referenced procedures followed by checks and reviews by senior managers and quality assurance personnel. However, since the results are obtained from chemical measurements and thus cannot be guaranteed, ALS Laboratory Group assumes no liability for the use or interpretation of the results.			



CONFIDENTIAL

ANALYSIS REPORT

REPORT #: 081017-11

WO #: 08-CAF

PO #: L696317

CLIENT: ALS Laboratory Group - Edmonton
9936-67 Avenue
Edmonton, AB
T6E 0P5

ATTENTION: ALSED Reporting
Tel: (780) 413-5227
Fax: (780) 437-2311

SAMPLE DESCRIPTION: Water Samples

DATE AND TIME OF SAMPLE COLLECTION: October 14, 2008

DATE AND TIME OF SAMPLE RECEIPT: October 16, 2008/16:00

TEST PERFORMED: Fecal Coliform by MF

TEST START DATE: October 16, 2008

DATE COMPLETED: October 17, 2008

RESULTS: Page 2

Certificate of Analysis

Page 2

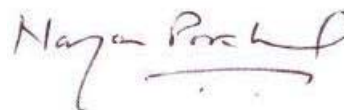
PBR ID	Sample #	Client ID	Lot #	Test	Protocol	Result	Units	Comments
08-CAF-1	L696317-1	MEL 1		Fecal Coliform by MF	APHA-9222D	<1	CFU/100ml	1
08-CAF-2	L696317-3	MEL 4		Fecal Coliform by MF	APHA-9222D	1	CFU/100ml	
08-CAF-3	L696317-6	TAP		Fecal Coliform by MF	APHA-9222D	<1	CFU/100ml	1

Comments

1 CFU = Colony Forming Unit.
<1 = No counts were detected based on the volume/dilution analyzed.



Parul Srivastava (Analyst)
Date: Oct 17 2008



Approved By: Narayan Pokharel, Ph.D.
Date: Oct 17 2008





Environmental Division



www.alsenviro.com

REPORT TO:		REPORT FORMAT / DISTRIBUTION		SERVICE REQUESTED	
COMPANY: <u>Complex Minerals</u>		STANDARD OTHER <u>Complex</u>		☒ REGULAR SERVICE (DEFAULT)	
CONTACT: <u>S. Brennan</u>		PDF ☒ EXCEL ☒ CUSTOM FAX		☐ RUSH SERVICE (2-3 DAYS)	
ADDRESS: <u>411-1015 4th St. Sud.</u>		EMAIL 1: <u>Sbrennan@complex.com</u>		☐ PRIORITY SERVICE (1 DAY or ASAP)	
PHONE: <u>413 265 2846</u> FAX: <u>413 232 1421</u>		EMAIL 2: <u>sbrennan@complex.com</u>		☐ EMERGENCY SERVICE (<1 DAY / WEEKEND) - CONTACT ALS	
INVOICE TO: <u>SAME AS REPORT ? YES/NO</u>		INDICATE BOTTLES: FILTERED / PRESERVED (F/P)		ANALYSIS REQUEST	
COMPANY:		CLIENT / PROJECT INFORMATION:			
CONTACT:		JOB #:			
ADDRESS:		PO / A/E:			
PHONE:		Legal Site Description:			
FAX:		QUOTE #:			
Lab Work Order #		SAMPLER			
(lab use only)		(Initials):			
Sample #	SAMPLE IDENTIFICATION (This description will appear on the report)	DATE	TIME	SAMPLE TYPE	
A15		Oct 13	2:50 pm		☒ ROUTINE
A13		Oct 13	2:57 pm		☒ NUTRIENTS
A9		Oct 13	4:24 pm		☒ METALS
A38		Oct 13	4:35 pm		
A8-7		Oct 14	1:55 pm		
ML-R		Oct 14	2:15 pm		
Control		Oct 14	2:05 pm		
GUIDELINES / REGULATIONS		SPECIAL INSTRUCTIONS / HAZARDOUS DETAILS			
<u>CEME</u>		<u>LAB FILTER TSS & AMMONIA.</u>			
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 reverse page of the white report copy.					
RELINQUISHED BY:	DATE & TIME:	RECEIVED BY:	DATE & TIME:	TEMPERATURE	SAMPLE CONDITION (lab use only)
					SAMPLES RECEIVED IN GOOD CONDITION ? YES / NO
					(if no provide details)