



PRELIMINARY RESULTS

WOLFDEN RESOURCES INC.
ATTN: DAVE STEVENSON
401 - 1113 JADE COURT
THUNDER BAY ON P7B 6M7

Reported On: 28-AUG-06 12:54 PM

Project P.O. #:
Job Reference: ULU
Legal Site Desc:
CofC Numbers: 38465

Other Information:

Comments:


ROY JONES
General Manager

For any questions about this report please contact your Account Manager:

ERIN ANDERSON

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

L423552-1	200-03							
Sampled By:	M. LONK on 16-AUG-06 @ 09:15							
Matrix:	WATER							
Hardness								
Calcium (Ca)	80.6	0.5	mg/L	18-AUG-06	JWU	R431861		
Hardness (as CaCO ₃)	281		mg/L	21-AUG-06				
Magnesium (Mg)	19.3	0.1	mg/L	18-AUG-06	JWU	R431861		
Dissolved Metals - CCME								
Dissolved Major Metals								
Calcium (Ca)	73.0	0.5	mg/L	24-AUG-06	HAS	R434248		
Potassium (K)	8.9	0.1	mg/L	24-AUG-06	HAS	R434248		
Magnesium (Mg)	17.3	0.01	mg/L	24-AUG-06	HAS	R434248		
Sodium (Na)	208	0.5	mg/L	24-AUG-06	HAS	R434248		
Iron (Fe)	<0.005	0.005	mg/L	24-AUG-06	HAS	R434248		
Manganese (Mn)	0.697	0.001	mg/L	24-AUG-06	HAS	R434248		
Dissolved Trace Metals								
Silver (Ag)	<0.0001	0.0001	mg/L	23-AUG-06	MCHU	R434230		
Aluminum (Al)	0.01	0.01	mg/L	23-AUG-06	MCHU	R434230		
Arsenic (As)	0.0012	0.0004	mg/L	23-AUG-06	MCHU	R434230		
Boron (B)	<0.05	0.05	mg/L	23-AUG-06	MCHU	R434230		
Barium (Ba)	0.042	0.003	mg/L	23-AUG-06	MCHU	R434230		
Beryllium (Be)	<0.001	0.001	mg/L	23-AUG-06	MCHU	R434230		
Cadmium (Cd)	0.0006	0.0001	mg/L	23-AUG-06	MCHU	R434230		
Cobalt (Co)	<0.002	0.002	mg/L	23-AUG-06	MCHU	R434230		
Chromium (Cr)	<0.005	0.005	mg/L	23-AUG-06	MCHU	R434230		
Copper (Cu)	0.004	0.001	mg/L	23-AUG-06	MCHU	R434230		
Mercury (Hg)	<0.0001	0.0001	mg/L	23-AUG-06	MCHU	R434230		
Lithium (Li)	0.003	0.003	mg/L	23-AUG-06	MCHU	R434230		
Molybdenum (Mo)	<0.005	0.005	mg/L	23-AUG-06	MCHU	R434230		
Nickel (Ni)	0.014	0.002	mg/L	23-AUG-06	MCHU	R434230		
Lead (Pb)	<0.0001	0.0001	mg/L	23-AUG-06	MCHU	R434230		
Antimony (Sb)	<0.0004	0.0004	mg/L	23-AUG-06	MCHU	R434230		
Selenium (Se)	0.0011	0.0004	mg/L	23-AUG-06	MCHU	R434230		
Tin (Sn)	<0.05	0.05	mg/L	23-AUG-06	MCHU	R434230		
Titanium (Ti)	<0.001	0.001	mg/L	23-AUG-06	MCHU	R434230		
Thallium (Tl)	0.0003	0.0001	mg/L	23-AUG-06	MCHU	R434230		
Uranium (U)	0.0004	0.0001	mg/L	23-AUG-06	MCHU	R434230		
Vanadium (V)	0.005	0.001	mg/L	23-AUG-06	MCHU	R434230		
Zinc (Zn)	0.017	0.002	mg/L	23-AUG-06	MCHU	R434230		
Total Metals - CCME								
Total Major Metals								
Calcium (Ca)	69.1	0.5	mg/L	22-AUG-06	HAS	R433228		
Potassium (K)	8.5	0.1	mg/L	22-AUG-06	HAS	R433228		
Magnesium (Mg)	15.4	0.1	mg/L	22-AUG-06	HAS	R433228		
Sodium (Na)	198	1	mg/L	22-AUG-06	HAS	R433228		
Iron (Fe)	0.123	0.005	mg/L	22-AUG-06	HAS	R433228		
Manganese (Mn)	0.725	0.001	mg/L	22-AUG-06	HAS	R433228		
Total Trace Metals								
Silver (Ag)	<0.0004	0.0004	mg/L	22-AUG-06	QLI	R433777		
Aluminum (Al)	0.12	0.01	mg/L	22-AUG-06	QLI	R433777		
Arsenic (As)	0.0014	0.0004	mg/L	22-AUG-06	QLI	R433777		
Boron (B)	<0.05	0.05	mg/L	22-AUG-06	QLI	R433777		
Barium (Ba)	0.045	0.003	mg/L	22-AUG-06	QLI	R433777		
Beryllium (Be)	<0.001	0.001	mg/L	22-AUG-06	QLI	R433777		
Cadmium (Cd)	0.0006	0.0002	mg/L	22-AUG-06	QLI	R433777		
Cobalt (Co)	0.002	0.002	mg/L	22-AUG-06	QLI	R433777		

ALS LABORATORY GROUP ANALYTICAL REPORT

L423552-1	200-03								
Sampled By:	M. LONK on 16-AUG-06 @ 09:15								
Matrix:	WATER								
Total Metals - CCME									
Total Trace Metals									
Chromium (Cr)	<0.005	0.005	mg/L	22-AUG-06	QLI	R433777			
Copper (Cu)	0.004	0.001	mg/L	22-AUG-06	QLI	R433777			
Mercury (Hg)	<0.0002	0.0002	mg/L	22-AUG-06	QLI	R433777			
Lithium (Li)	<0.01	0.01	mg/L	22-AUG-06	QLI	R433777			
Molybdenum (Mo)	<0.005	0.005	mg/L	22-AUG-06	QLI	R433777			
Nickel (Ni)	0.015	0.002	mg/L	22-AUG-06	QLI	R433777			
Lead (Pb)	0.0002	0.0001	mg/L	22-AUG-06	QLI	R433777			
Antimony (Sb)	0.0009	0.0004	mg/L	22-AUG-06	QLI	R433777			
Selenium (Se)	0.0080	0.0004	mg/L	22-AUG-06	QLI	R433777			
Tin (Sn)	<0.05	0.05	mg/L	22-AUG-06	QLI	R433777			
Titanium (Ti)	0.005	0.001	mg/L	22-AUG-06	QLI	R433777			
Thallium (Tl)	0.0005	0.0001	mg/L	22-AUG-06	QLI	R433777			
Uranium (U)	0.0004	0.0001	mg/L	22-AUG-06	QLI	R433777			
Vanadium (V)	0.007	0.001	mg/L	22-AUG-06	QLI	R433777			
Zinc (Zn)	0.017	0.004	mg/L	22-AUG-06	QLI	R433777			
Alkalinity, Total (as CaCO ₃)	38	5	mg/L	19-AUG-06	PTT	R432319			
Ammonia-N	6.85	0.05	mg/L	23-AUG-06	LDC	R433672			
Chloride (Cl)	360	1	mg/L	19-AUG-06	EOC	R432280			
Conductivity (EC)	1620	0.2	uS/cm	19-AUG-06	PTT	R432319			
Nitrate-N	15.5	0.1	mg/L	18-AUG-06	KMY	R432093			
Nitrite-N	<0.05	0.05	mg/L	18-AUG-06	KMY	R432093			
Sulphate (SO ₄)	141	0.5	mg/L	18-AUG-06	JTV	R430086			
Total Suspended Solids	4	3	mg/L	21-AUG-06	SVG	R432607			
pH	7.8	0.1	pH	19-AUG-06	PTT	R432319			
L423552-2	200-04								
Sampled By:	M. LONK on 16-AUG-06 @ 09:00								
Matrix:	WATER								
Hardness									
Calcium (Ca)	42.3	0.5	mg/L	18-AUG-06	JWU	R431861			
Hardness (as CaCO ₃)	140		mg/L	21-AUG-06					
Magnesium (Mg)	8.4	0.1	mg/L	18-AUG-06	JWU	R431861			
Dissolved Metals - CCME									
Dissolved Major Metals									
Calcium (Ca)	38.5	0.5	mg/L	24-AUG-06	HAS	R434248			
Potassium (K)	4.4	0.1	mg/L	24-AUG-06	HAS	R434248			
Magnesium (Mg)	7.58	0.01	mg/L	24-AUG-06	HAS	R434248			
Sodium (Na)	133	0.5	mg/L	24-AUG-06	HAS	R434248			
Iron (Fe)	0.012	0.005	mg/L	24-AUG-06	HAS	R434248			
Manganese (Mn)	0.053	0.001	mg/L	24-AUG-06	HAS	R434248			
Dissolved Trace Metals									
Silver (Ag)	<0.0001	0.0001	mg/L	23-AUG-06	MCHU	R434230			
Aluminum (Al)	0.01	0.01	mg/L	23-AUG-06	MCHU	R434230			
Arsenic (As)	<0.0004	0.0004	mg/L	23-AUG-06	MCHU	R434230			
Boron (B)	<0.05	0.05	mg/L	23-AUG-06	MCHU	R434230			
Barium (Ba)	0.080	0.003	mg/L	23-AUG-06	MCHU	R434230			
Beryllium (Be)	<0.001	0.001	mg/L	23-AUG-06	MCHU	R434230			
Cadmium (Cd)	0.0002	0.0001	mg/L	23-AUG-06	MCHU	R434230			
Cobalt (Co)	<0.002	0.002	mg/L	23-AUG-06	MCHU	R434230			

ALS LABORATORY GROUP ANALYTICAL REPORT

L423552-2 200-04

Sampled By: M. LONK on 16-AUG-06 @ 09:00

Matrix: WATER

Dissolved Metals - CCME**Dissolved Trace Metals**

Chromium (Cr)	<0.005	0.005	mg/L	23-AUG-06	MCHU	R434230
Copper (Cu)	0.004	0.001	mg/L	23-AUG-06	MCHU	R434230
Mercury (Hg)	<0.0001	0.0001	mg/L	23-AUG-06	MCHU	R434230
Lithium (Li)	<0.003	0.003	mg/L	23-AUG-06	MCHU	R434230
Molybdenum (Mo)	<0.005	0.005	mg/L	23-AUG-06	MCHU	R434230
Nickel (Ni)	0.006	0.002	mg/L	23-AUG-06	MCHU	R434230
Lead (Pb)	<0.0001	0.0001	mg/L	23-AUG-06	MCHU	R434230
Antimony (Sb)	<0.0004	0.0004	mg/L	23-AUG-06	MCHU	R434230
Selenium (Se)	0.0004	0.0004	mg/L	23-AUG-06	MCHU	R434230
Tin (Sn)	<0.05	0.05	mg/L	23-AUG-06	MCHU	R434230
Titanium (Ti)	<0.001	0.001	mg/L	23-AUG-06	MCHU	R434230
Thallium (Tl)	0.0003	0.0001	mg/L	23-AUG-06	MCHU	R434230
Uranium (U)	<0.0001	0.0001	mg/L	23-AUG-06	MCHU	R434230
Vanadium (V)	0.004	0.001	mg/L	23-AUG-06	MCHU	R434230
Zinc (Zn)	0.055	0.002	mg/L	23-AUG-06	MCHU	R434230

Total Metals - CCME**Total Major Metals**

Calcium (Ca)	36.7	0.5	mg/L	22-AUG-06	HAS	R433228
Potassium (K)	4.5	0.1	mg/L	22-AUG-06	HAS	R433228
Magnesium (Mg)	6.8	0.1	mg/L	22-AUG-06	HAS	R433228
Sodium (Na)	128	1	mg/L	22-AUG-06	HAS	R433228
Iron (Fe)	0.053	0.005	mg/L	22-AUG-06	HAS	R433228
Manganese (Mn)	0.069	0.001	mg/L	22-AUG-06	HAS	R433228

Total Trace Metals

Silver (Ag)	<0.0004	0.0004	mg/L	22-AUG-06	QLI	R433777
Aluminum (Al)	0.03	0.01	mg/L	22-AUG-06	QLI	R433777
Arsenic (As)	<0.0004	0.0004	mg/L	22-AUG-06	QLI	R433777
Boron (B)	<0.05	0.05	mg/L	22-AUG-06	QLI	R433777
Barium (Ba)	0.080	0.003	mg/L	22-AUG-06	QLI	R433777
Beryllium (Be)	<0.001	0.001	mg/L	22-AUG-06	QLI	R433777
Cadmium (Cd)	0.0002	0.0002	mg/L	22-AUG-06	QLI	R433777
Cobalt (Co)	<0.002	0.002	mg/L	22-AUG-06	QLI	R433777
Chromium (Cr)	<0.005	0.005	mg/L	22-AUG-06	QLI	R433777
Copper (Cu)	0.002	0.001	mg/L	22-AUG-06	QLI	R433777
Mercury (Hg)	<0.0002	0.0002	mg/L	22-AUG-06	QLI	R433777
Lithium (Li)	<0.01	0.01	mg/L	22-AUG-06	QLI	R433777
Molybdenum (Mo)	<0.005	0.005	mg/L	22-AUG-06	QLI	R433777
Nickel (Ni)	0.006	0.002	mg/L	22-AUG-06	QLI	R433777
Lead (Pb)	0.0002	0.0001	mg/L	22-AUG-06	QLI	R433777
Antimony (Sb)	0.0008	0.0004	mg/L	22-AUG-06	QLI	R433777
Selenium (Se)	0.0060	0.0004	mg/L	22-AUG-06	QLI	R433777
Tin (Sn)	<0.05	0.05	mg/L	22-AUG-06	QLI	R433777
Titanium (Ti)	<0.001	0.001	mg/L	22-AUG-06	QLI	R433777
Thallium (Tl)	0.0006	0.0001	mg/L	22-AUG-06	QLI	R433777
Uranium (U)	<0.0001	0.0001	mg/L	22-AUG-06	QLI	R433777
Vanadium (V)	0.005	0.001	mg/L	22-AUG-06	QLI	R433777
Zinc (Zn)	0.041	0.004	mg/L	22-AUG-06	QLI	R433777

Alkalinity, Total (as CaCO ₃)	6	5	mg/L	19-AUG-06	PTT	R432319
Ammonia-N	0.79	0.05	mg/L	23-AUG-06	LDC	R433672

ALS LABORATORY GROUP ANALYTICAL REPORT

L423552-2 200-04							
Sampled By: M. LONK on 16-AUG-06 @ 09:00							
Matrix: WATER							
Chloride (Cl)	244	1	mg/L	19-AUG-06	EOC	R432280	
Conductivity (EC)	986	0.2	uS/cm	19-AUG-06	PTT	R432319	
Nitrate-N	7.9	0.1	mg/L	18-AUG-06	KMY	R432093	
Nitrite-N	<0.05	0.05	mg/L	18-AUG-06	KMY	R432093	
Sulphate (SO4)	47.8	0.5	mg/L	18-AUG-06	JTV	R430086	
Total Suspended Solids	<3	3	mg/L	21-AUG-06	SVG	R432607	
pH	6.9	0.1	pH	19-AUG-06	PTT	R432319	
L423552-3 200-05							
Sampled By: M. LONK on 16-AUG-06 @ 08:45							
Matrix: WATER							
Hardness							
Calcium (Ca)	3.3	0.5	mg/L	18-AUG-06	JWU	R431861	
Hardness (as CaCO3)	14		mg/L	21-AUG-06			
Magnesium (Mg)	1.4	0.1	mg/L	18-AUG-06	JWU	R431861	
Dissolved Metals - CCME							
Dissolved Major Metals							
Calcium (Ca)	2.7	0.5	mg/L	24-AUG-06	HAS	R434248	
Potassium (K)	0.5	0.1	mg/L	24-AUG-06	HAS	R434248	
Magnesium (Mg)	1.27	0.01	mg/L	24-AUG-06	HAS	R434248	
Sodium (Na)	2.2	0.5	mg/L	24-AUG-06	HAS	R434248	
Iron (Fe)	<0.005	0.005	mg/L	24-AUG-06	HAS	R434248	
Manganese (Mn)	0.001	0.001	mg/L	24-AUG-06	HAS	R434248	
Dissolved Trace Metals							
Silver (Ag)	<0.0001	0.0001	mg/L	23-AUG-06	MCHU	R434230	
Aluminum (Al)	<0.01	0.01	mg/L	23-AUG-06	MCHU	R434230	
Arsenic (As)	<0.0004	0.0004	mg/L	23-AUG-06	MCHU	R434230	
Boron (B)	<0.05	0.05	mg/L	23-AUG-06	MCHU	R434230	
Barium (Ba)	0.003	0.003	mg/L	23-AUG-06	MCHU	R434230	
Beryllium (Be)	<0.001	0.001	mg/L	23-AUG-06	MCHU	R434230	
Cadmium (Cd)	<0.0001	0.0001	mg/L	23-AUG-06	MCHU	R434230	
Cobalt (Co)	<0.002	0.002	mg/L	23-AUG-06	MCHU	R434230	
Chromium (Cr)	<0.005	0.005	mg/L	23-AUG-06	MCHU	R434230	
Copper (Cu)	0.002	0.001	mg/L	23-AUG-06	MCHU	R434230	
Mercury (Hg)	<0.0001	0.0001	mg/L	23-AUG-06	MCHU	R434230	
Lithium (Li)	<0.003	0.003	mg/L	23-AUG-06	MCHU	R434230	
Molybdenum (Mo)	<0.005	0.005	mg/L	23-AUG-06	MCHU	R434230	
Nickel (Ni)	<0.002	0.002	mg/L	23-AUG-06	MCHU	R434230	
Lead (Pb)	<0.0001	0.0001	mg/L	23-AUG-06	MCHU	R434230	
Antimony (Sb)	<0.0004	0.0004	mg/L	23-AUG-06	MCHU	R434230	
Selenium (Se)	<0.0004	0.0004	mg/L	23-AUG-06	MCHU	R434230	
Tin (Sn)	<0.05	0.05	mg/L	23-AUG-06	MCHU	R434230	
Titanium (Ti)	<0.001	0.001	mg/L	23-AUG-06	MCHU	R434230	
Thallium (Tl)	0.0002	0.0001	mg/L	23-AUG-06	MCHU	R434230	
Uranium (U)	<0.0001	0.0001	mg/L	23-AUG-06	MCHU	R434230	
Vanadium (V)	<0.001	0.001	mg/L	23-AUG-06	MCHU	R434230	
Zinc (Zn)	0.006	0.002	mg/L	23-AUG-06	MCHU	R434230	
Total Metals - CCME							
Total Major Metals							
Calcium (Ca)	2.7	0.5	mg/L	22-AUG-06	HAS	R433228	
Potassium (K)	0.4	0.1	mg/L	22-AUG-06	HAS	R433228	

ALS LABORATORY GROUP ANALYTICAL REPORT

L423552-3	200-05						
Sampled By:	M. LONK on 16-AUG-06 @ 08:45						
Matrix:	WATER						
Total Metals - CCME							
Total Major Metals							
Magnesium (Mg)	1.2	0.1	mg/L	22-AUG-06	HAS	R433228	
Sodium (Na)	2	1	mg/L	22-AUG-06	HAS	R433228	
Iron (Fe)	0.031	0.005	mg/L	22-AUG-06	HAS	R433228	
Manganese (Mn)	0.003	0.001	mg/L	22-AUG-06	HAS	R433228	
Total Trace Metals							
Silver (Ag)	<0.0004	0.0004	mg/L	22-AUG-06	QLI	R433777	
Aluminum (Al)	0.03	0.01	mg/L	22-AUG-06	QLI	R433777	
Arsenic (As)	<0.0004	0.0004	mg/L	22-AUG-06	QLI	R433777	
Boron (B)	<0.05	0.05	mg/L	22-AUG-06	QLI	R433777	
Barium (Ba)	0.004	0.003	mg/L	22-AUG-06	QLI	R433777	
Beryllium (Be)	<0.001	0.001	mg/L	22-AUG-06	QLI	R433777	
Cadmium (Cd)	<0.0002	0.0002	mg/L	22-AUG-06	QLI	R433777	
Cobalt (Co)	<0.002	0.002	mg/L	22-AUG-06	QLI	R433777	
Chromium (Cr)	<0.005	0.005	mg/L	22-AUG-06	QLI	R433777	
Copper (Cu)	0.002	0.001	mg/L	22-AUG-06	QLI	R433777	
Mercury (Hg)	<0.0002	0.0002	mg/L	22-AUG-06	QLI	R433777	
Lithium (Li)	<0.01	0.01	mg/L	22-AUG-06	QLI	R433777	
Molybdenum (Mo)	<0.005	0.005	mg/L	22-AUG-06	QLI	R433777	
Nickel (Ni)	0.002	0.002	mg/L	22-AUG-06	QLI	R433777	
Lead (Pb)	<0.0001	0.0001	mg/L	22-AUG-06	QLI	R433777	
Antimony (Sb)	0.0010	0.0004	mg/L	22-AUG-06	QLI	R433777	
Selenium (Se)	0.0007	0.0004	mg/L	22-AUG-06	QLI	R433777	
Tin (Sn)	<0.05	0.05	mg/L	22-AUG-06	QLI	R433777	
Titanium (Ti)	<0.001	0.001	mg/L	22-AUG-06	QLI	R433777	
Thallium (Tl)	0.0004	0.0001	mg/L	22-AUG-06	QLI	R433777	
Uranium (U)	<0.0001	0.0001	mg/L	22-AUG-06	QLI	R433777	
Vanadium (V)	<0.001	0.001	mg/L	22-AUG-06	QLI	R433777	
Zinc (Zn)	0.017	0.004	mg/L	22-AUG-06	QLI	R433777	
Alkalinity, Total (as CaCO3)	<5	5	mg/L	19-AUG-06	PTT	R432319	
Ammonia-N	<0.05	0.05	mg/L	23-AUG-06	LDC	R433672	
Chloride (Cl)	5	1	mg/L	19-AUG-06	EOC	R432280	
Conductivity (EC)	40.6	0.2	uS/cm	19-AUG-06	PTT	R432319	
Nitrate-N	<0.1	0.1	mg/L	18-AUG-06	KMY	R432093	
Nitrite-N	<0.05	0.05	mg/L	18-AUG-06	KMY	R432093	
Sulphate (SO4)	5.7	0.5	mg/L	18-AUG-06	JTV	R430086	
Total Suspended Solids	<3	3	mg/L	21-AUG-06	SVG	R432607	
pH	7.0	0.1	pH	19-AUG-06	PTT	R432319	
L423552-4	200-05A						
Sampled By:	M. LONK on 16-AUG-06 @ 08:30						
Matrix:	WATER						
Hardness							
Calcium (Ca)	36.8	0.5	mg/L	18-AUG-06	JWU	R431861	
Hardness (as CaCO3)	131		mg/L	21-AUG-06			
Magnesium (Mg)	9.6	0.1	mg/L	18-AUG-06	JWU	R431861	
Dissolved Metals - CCME							
Dissolved Major Metals							
Calcium (Ca)	33.4	0.5	mg/L	24-AUG-06	HAS	R434248	
Potassium (K)	3.7	0.1	mg/L	24-AUG-06	HAS	R434248	

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Matrix: WATER

Dissolved Metals - CCME**Dissolved Major Metals**

Magnesium (Mg)	8.67	0.01	mg/L	24-AUG-06	HAS	R434248
Sodium (Na)	106	0.5	mg/L	24-AUG-06	HAS	R434248
Iron (Fe)	<0.005	0.005	mg/L	24-AUG-06	HAS	R434248
Manganese (Mn)	0.022	0.001	mg/L	24-AUG-06	HAS	R434248

Dissolved Trace Metals

Silver (Ag)	<0.0001	0.0001	mg/L	23-AUG-06	MCHU	R434230
Aluminum (Al)	0.06	0.01	mg/L	23-AUG-06	MCHU	R434230
Arsenic (As)	<0.0004	0.0004	mg/L	23-AUG-06	MCHU	R434230
Boron (B)	<0.05	0.05	mg/L	23-AUG-06	MCHU	R434230
Barium (Ba)	0.077	0.003	mg/L	23-AUG-06	MCHU	R434230
Beryllium (Be)	<0.001	0.001	mg/L	23-AUG-06	MCHU	R434230
Cadmium (Cd)	0.0004	0.0001	mg/L	23-AUG-06	MCHU	R434230
Cobalt (Co)	<0.002	0.002	mg/L	23-AUG-06	MCHU	R434230
Chromium (Cr)	<0.005	0.005	mg/L	23-AUG-06	MCHU	R434230
Copper (Cu)	0.002	0.001	mg/L	23-AUG-06	MCHU	R434230
Mercury (Hg)	<0.0001	0.0001	mg/L	23-AUG-06	MCHU	R434230
Lithium (Li)	<0.003	0.003	mg/L	23-AUG-06	MCHU	R434230
Molybdenum (Mo)	<0.005	0.005	mg/L	23-AUG-06	MCHU	R434230
Nickel (Ni)	0.006	0.002	mg/L	23-AUG-06	MCHU	R434230
Lead (Pb)	<0.0001	0.0001	mg/L	23-AUG-06	MCHU	R434230
Antimony (Sb)	<0.0004	0.0004	mg/L	23-AUG-06	MCHU	R434230
Selenium (Se)	<0.0004	0.0004	mg/L	23-AUG-06	MCHU	R434230
Tin (Sn)	<0.05	0.05	mg/L	23-AUG-06	MCHU	R434230
Titanium (Ti)	<0.001	0.001	mg/L	23-AUG-06	MCHU	R434230
Thallium (Tl)	0.0003	0.0001	mg/L	23-AUG-06	MCHU	R434230
Uranium (U)	0.0002	0.0001	mg/L	23-AUG-06	MCHU	R434230
Vanadium (V)	0.004	0.001	mg/L	23-AUG-06	MCHU	R434230
Zinc (Zn)	0.030	0.002	mg/L	23-AUG-06	MCHU	R434230

Total Metals - CCME**Total Major Metals**

Calcium (Ca)	32.2	0.5	mg/L	22-AUG-06	HAS	R433228
Potassium (K)	3.6	0.1	mg/L	22-AUG-06	HAS	R433228
Magnesium (Mg)	8.0	0.1	mg/L	22-AUG-06	HAS	R433228
Sodium (Na)	104	1	mg/L	22-AUG-06	HAS	R433228
Iron (Fe)	0.209	0.005	mg/L	22-AUG-06	HAS	R433228
Manganese (Mn)	0.042	0.001	mg/L	22-AUG-06	HAS	R433228

Total Trace Metals

Silver (Ag)	<0.0004	0.0004	mg/L	22-AUG-06	QLI	R433777
Aluminum (Al)	0.30	0.01	mg/L	22-AUG-06	QLI	R433777
Arsenic (As)	<0.0004	0.0004	mg/L	22-AUG-06	QLI	R433777
Boron (B)	<0.05	0.05	mg/L	22-AUG-06	QLI	R433777
Barium (Ba)	0.082	0.003	mg/L	22-AUG-06	QLI	R433777
Beryllium (Be)	<0.001	0.001	mg/L	22-AUG-06	QLI	R433777
Cadmium (Cd)	0.0004	0.0002	mg/L	22-AUG-06	QLI	R433777
Cobalt (Co)	<0.002	0.002	mg/L	22-AUG-06	QLI	R433777
Chromium (Cr)	<0.005	0.005	mg/L	22-AUG-06	QLI	R433777
Copper (Cu)	0.003	0.001	mg/L	22-AUG-06	QLI	R433777
Mercury (Hg)	<0.0002	0.0002	mg/L	22-AUG-06	QLI	R433777
Lithium (Li)	<0.01	0.01	mg/L	22-AUG-06	QLI	R433777
Molybdenum (Mo)	<0.005	0.005	mg/L	22-AUG-06	QLI	R433777
Nickel (Ni)	0.006	0.002	mg/L	22-AUG-06	QLI	R433777

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Matrix: WATER

Total Metals - CCME**Total Trace Metals**

Lead (Pb)	0.0004	0.0001	mg/L	22-AUG-06	QLI	R433777
Antimony (Sb)	0.0008	0.0004	mg/L	22-AUG-06	QLI	R433777
Selenium (Se)	0.0058	0.0004	mg/L	22-AUG-06	QLI	R433777
Tin (Sn)	<0.05	0.05	mg/L	22-AUG-06	QLI	R433777
Titanium (Ti)	0.007	0.001	mg/L	22-AUG-06	QLI	R433777
Thallium (Tl)	0.0007	0.0001	mg/L	22-AUG-06	QLI	R433777
Uranium (U)	0.0004	0.0001	mg/L	22-AUG-06	QLI	R433777
Vanadium (V)	0.005	0.001	mg/L	22-AUG-06	QLI	R433777
Zinc (Zn)	0.033	0.004	mg/L	22-AUG-06	QLI	R433777
Alkalinity, Total (as CaCO ₃)	<5	5	mg/L	19-AUG-06	PTT	R432319
Ammonia-N	0.75	0.05	mg/L	23-AUG-06	LDC	R433672
Chloride (Cl)	201	1	mg/L	19-AUG-06	EOC	R432280
Conductivity (EC)	842	0.2	uS/cm	19-AUG-06	PTT	R432319
Nitrate-N	8.5	0.1	mg/L	18-AUG-06	KMY	R432093
Nitrite-N	<0.05	0.05	mg/L	18-AUG-06	KMY	R432093
Sulphate (SO ₄)	42.6	0.5	mg/L	18-AUG-06	JTV	R430086
Total Suspended Solids	<3	3	mg/L	21-AUG-06	SVG	R432607
pH	6.8	0.1	pH	19-AUG-06	PTT	R432319

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

Reference Information

Methods Listed (if applicable):

ALS Test Code	Matrix	Test Description	Preparation Method Reference(Based On)	Analytical Method Reference(Based On)
ALK-TOT-ED	Water	Alkalinity, Total		APHA 2320 B-Auto-Pot. Titration
CA-ED	Water	Calcium (Ca)		APHA 3120 B-ICP-OES
CL-ED	Water	Chloride (Cl)		APHA 4500 Cl E-Colorimetry
EC-ED	Water	Conductivity (EC)		APHA 2510 B-electrode
ETL-HARDNESS-ROU-ED	Water	Hardness (from Routine Ca and Mg)		APHA 2340 B-Calculation
MET1-DIS-CCME-ED	Water	Dissolved Trace Metals		EPA 6020
MET1-TOT-CCME-ED	Water	Total Trace Metals	EPA3015	EPA 6020
MET2-DIS-ED	Water	Dissolved Major Metals		EPA 200.7
MET2-TOT-LOW-ED	Water	Total Major Metals	EPA3015	EPA 200.7
MG-ED	Water	Magnesium (Mg)		APHA 3120 B-ICP-OES
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
PH-ED	Water	pH		APHA 4500 H-Electrode
SO4-ED	Water	Sulfate (SO4)		APHA 4110 B-Ion Chromatography
SOLIDS-TOTSUS-ED	Water	Total Suspended Solids		APHA 2540 D-Gravimetric

** Laboratory Methods employed follow in-house procedures, which are generally based on nationally or internationally accepted methodologies.

Chain of Custody numbers:

38465

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		

Reference Information

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.