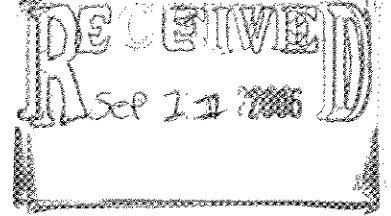




WOLFDEN
Resources Inc.



September 1, 2006

Mr. Philippe di Pizzo
Executive Director
Nunavut Water Board
P.O. Box 119
Gjoa Haven, NU
X0B 1J0

Dear Mr. di Pizzo:

**Re: ULU WATER LICENSE NWB1ULU0008 – JULY & AUGUST 2006 SNP
SAMPLING RESULTS**

Pursuant to Schedule I – Part D, Item 1 of the above note license, and the Interim Water Management Plan requirements, find enclosed the analytical results for the water samples collected during July and August 2006, including a summary of results to date for comparison.

Ulu was shut down on August 17, 2006 therefore no additional water samples will be taken until the camp is re-opened.

If you have any additional comments or questions I can be reached at the address indicated in the above, by telephone at (807) 346-2762 or email at dave.stevenson@wolfdenresources.com.

Yours truly,

David B. Stevenson, M.Sc., P.Geo.
Exploration Manager, Ulu
Wolf Den Resources Inc.

Encl.

Mine Ice 200-2 - Ulu Waste Rock, Mine Ice and Ore Storage Monitoring.

Routine Parameters	CCME	Licence Limit	200-2	200-2	200-2	200-2	200-2	200-2	200-2	200-2	200-2	200-2	200-2	200-2	200-2	200-2
Date			24-May-06	31-May-06	7-Jun-06	14-Jun-06	21-Jun-06	28-Jun-06	5-Jul-06	12-Jul-06	19-Jul-06	26-Jul-06	2-Aug-06	16-Aug-06		
pH	6.5 - 9.0		6.88	8.29	6.7	7.3	7	6.8	7.2	7	6.8	6.7	7.5	no ice		
Nitrate	13		1.31	0.229	0.7	1.4	0.7	0.3	0.3	0.5	2.4	0.5	<0.1	no ice		
Nitrite	0.06		0.0635	0.0165	<0.05	<0.05	0.09	<0.05	0.08	<0.05	0.39	0.13	<0.05	no ice		
Ammonia (as N)	12.24		0.186	0.19	0.19	1.53	0.52	0.16	0.37	0.9	2.37	0.45	<0.05	no ice		
Total Suspended Solids	25		9.1	5.8	4	<3	13	9	3	18	9	3	17	no ice		
Sulphate			5.6	4.96	10.8	26.6	14.6	3.9	6.8	0.6	252	2.7	0.7	no ice		
Chloride			8.96	3.51	8	35	17	3	6	16	27	5	2	no ice		
Metals (Total)																
Total Aluminum	0.1		0.443	0.248	0.44	0.2	0.38	0.16	0.95	0.55	0.51	0.08	1.14	no ice		
Total Arsenic	0.005	1	0.00314	0.00113	0.0012	0.0021	0.0018	0.0006	0.0026	0.0039	0.0031	0.0007	0.0031	no ice		
Total Cadmium	0.000017		0.000355	0.000613	0.0003	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	0.0002	0.0005	<0.0002	no ice		
Total Chromium	0.001		<0.001	<0.001	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	no ice		
Total Copper	0.002 - 0.004	0.6	0.0049	0.0031	0.003	0.004	0.008	0.008	0.006	0.007	0.016	0.003	0.003	no ice		
Total Lead	0.001 - 0.007	0.4	0.00655	0.00158	0.001	0.0007	0.0039	0.0015	0.0024	0.0015	0.003	0.0009	0.0021	no ice		
Total Nickel	0.025-0.15	1	0.0018	0.0013	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	no ice		
Total Zinc	0.03	1	0.0791	0.0166	0.014	0.008	0.026	0.024	0.063	0.017	0.046	0.027	0.016	no ice		

results exceed Licence Limits
results exceed CCME Aquatic Life Guidelines

Indices

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Toe of Ice 200-3 - Ulu Waste Rock, Mine Ice and Ore Storage Monitoring.

Routine Parameters	CCME	Licence Limit	200-3	200-3	200-3	200-3	200-3	200-3	200-3	200-3	200-3	200-3	200-3	200-3	200-3	200-3
Date			24-May-06	31-May-06	7-Jun-06	14-Jun-06	21-Jun-06	28-Jun-06	5-Jul-06	12-Jul-06	19-Jul-06	26-Jul-06	2-Aug-06	9-Aug-06	16-Aug-06	
pH	6.5 - 9.0		7.64	7.59	1.7	7.8	7.6	7.7	7.7	7.8	7.6	7.8	7.7	7.7	7.8	
Nitrate	13		0.412	0.946	17.7	34.2	21.6	17.6	37	20.8	43.2	35.6	31.9	31.9	15.5	
Nitrite	0.06		0.0245	9.95	0.48	2.36	1.49	2.07	3.65	0.96	2.81	1.78	0.81	0.81	<0.05	
Ammonia (as N)	12.24		0.055	2.99	6.1	80.3	7.17	9.17	22.6	10.3	40.9	18.6	14.8	14.8	6.85	
Total Suspended Solids	25		7.1	6.5	<3	<3	4	<3	<3	4	<3	<3	6	6	4	
Sulphate			33.9	55.5	1660	117	79.5	68.6	136	106	6.9	94.5	105	105	141	
Chloride			33.9	105	267	666	322	291	1910	545	796	560	593	593	360	
Metals (Total)																
Total Aluminum	0.1		0.298	0.317	0.1	0.08	0.04	0.013	0.18	0.09	0.08	0.15	0.1	0.1	0.12	
Total Arsenic	0.005	1	<0.00482	0.00199	0.0018	0.0014	0.0006	0.0018	0.0014	0.0024	0.0018	0.0016	0.0019	0.0019	0.0014	
Total Cadmium	0.000017		0.0000520	0.000149	<0.0002	0.0004	<0.0002	<0.0002	0.0017	0.0005	0.0008	0.0006	0.0010	0.0010	0.0006	
Total Chromium	0.001		0.0016	<0.0010	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	
Total Copper	0.002 - 0.004	0.6	0.0048	0.0035	0.003	0.004	0.002	0.003	0.004	0.004	0.006	0.004	0.005	0.005	0.004	
Total Lead	0.001 - 0.007	0.4	0.00063	0.00084	0.0002	0.0002	<0.0001	0.0003	0.0003	0.0005	0.0003	0.0004	0.0006	0.0006	0.0002	
Total Nickel	0.025-0.15	1	0.0016	0.0052	0.004	0.006	0.002	0.011	0.015	0.008	0.008	0.009	0.018	0.018	0.015	
Total Zinc	0.03	1	<0.005	0.0099	0.01	0.039	0.005	0.061	0.026	0.011	0.016	0.012	0.018	0.018	0.017	

Notes:

results exceed Licence Limits
results exceed CCME Aquatic Life Guidelines

Outlet of East Lake 200-4 - Ulu Waste Rock, Mine Ice and Ore Storage Monitoring.

Routine Parameters	CCME	Licence Limit	200-4	200-4	200-4	200-4	200-4	200-4	200-4	200-4	200-4	200-4	200-4	200-4	200-4
Date			24-May-06	31-May-06	7-Jun-06	14-Jun-06	21-Jun-06	28-Jun-06	5-Jul-06	12-Jul-06	19-Jul-06	26-Jul-06	2-Aug-06	16-Aug-06	
pH	6.5 - 9.0		7	7.82	6.9	7.2	7	7.1	6.9	7	6.9	7	6.9	6.9	
Nitrate	13		0.175	0.193	1.2	1.6	2.1	2.7	3.4	4.3	4.4	2.5	5.3	7.9	
Nitrite	0.06		0.0011	0.0018	<0.05	<0.05	<0.	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	
Ammonia (as N)	12.24		0.089	0.028	0.26	0.31	<0.05	0.47	0.71	0.94	0.75	0.11	0.22	0.79	
Total Suspended Solids	25		<3	<3	3	<3	5	<3	<3	<3	<3	6	4	<3	
Sulphate			12.7	10.9	19.7	17.8	18.6	20.4	24.2	2.8	54.4	28.7	34.8	47.8	
Chloride			7.48	7.56	29	34	47	53	72	99	106	141	156	244	
Metals (Total)															
Total Aluminum	0.1		0.082	0.0667	0.07	0.05	0.04	0.04	0.04	0.03	0.04	0.1	0.02	0.03	
Total Arsenic	0.005	1	<0.0005	<0.0005	<0.0004	<0.0004	0.0005	0.0004	0.0007	<0.0004	<0.0004	0.0006	<0.0004	<0.0004	
Total Cadmium	0.000017		0.000051	0.000033	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	0.0005	<0.0002	0.0002	
Total Chromium	0.001		<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
Total Copper	0.002 - 0.004	0.6	0.0023	0.0022	0.002	0.002	0.002	0.002	0.011	0.002	0.002	0.002	0.002	0.002	
Total Lead	0.001 - 0.007	0.4	<0.0005	<0.0005	<0.0001	<0.0001	<0.0001	0.0001	<0.0001	<0.0001	<0.0001	0.0002	0.0001	0.0002	
Total Nickel	0.025-0.15	1	0.0026	0.0022	0.002	<0.002	0.002	0.002	0.003	0.002	0.003	0.013	0.003	0.006	
Total Zinc	0.03	1	0.0074	0.0054	0.006	0.007	0.007	0.005	0.012	0.01	0.013	0.037	0.015	0.041	

Indices

results exceed Licence Limits
results exceed CCME Aquatic Life Guidelines

Inflow to Ulu Lake 200-5a - Ulu Waste Rock, Mine Ice and Ore Storage Monitoring.

Routine Parameters	CCME	Licence Limit	200-5A	200-5A	200-5A	200-5A	200-5A	200-5A	200-5A	200-5A	200-5A	200-5A	200-5A	200-5A	200-5A	200-5A	200-5A
Date			24-May-06	31-May-06	7-Jun-06	14-Jun-06	21-Jun-06	28-Jun-06	5-Jul-06	12-Jul-06	19-Jul-06	26-Jul-06	2-Aug-06	16-Aug-06			
pH	6.5 - 9.0		6.9	7.48	6.6	6.9	6.7	6.8	6.6	6.5	6.6	6.7	7.6	6.8			
Nitrate	13		0.271	0.2	1.3	1.7	1.8	2.3	3.3	4.2	3.8	5	32.9	8.5			
Nitrite	0.06		0.0011	<0.001	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.55	<0.05			
Ammonia (as N)	12.24		<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	0.08	0.11	0.34	0.78	0.75			
Total Suspended Solids	25		<3	<3	<3	<3	3	<3	<3	<3	<3	<3	<3	<3			
Sulphate			12.9	10.8	19.6	18	16.7	18.6	21.7	2.5	50.1	31.5	105	42.6			
Chloride			7.87	7.57	29	32	37	43	63	91	89	132	579	201			
Metals (Total)																	
Total Aluminum	0.1		0.0582	0.0656	0.07	0.06	0.1	0.11	0.12	0.12	0.11	0.1	0.1	0.3			
Total Arsenic	0.005	1	<0.0005	<0.0005	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004			
Total Cadmium	0.000017		0.000044	0.000027	<0.0002	<0.0002	<0.0002	0.0002	0.0002	0.0002	0.0003	0.0002	0.0003	0.0004			
Total Chromium	0.001		<0.001	<0.001	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005			
Total Copper	0.002 - 0.004	0.6	0.002	0.0022	0.002	0.002	0.002	0.002	0.002	0.001	0.002	0.001	0.002	0.003			
Total Lead	0.001 - 0.007	0.4	<0.0005	<0.0005	0.0002	<0.0001	<0.0001	<0.0001	0.0002	<0.0001	<0.0001	0.0002	0.0001	0.0004			
Total Nickel	0.025-0.15	1	0.0017	0.0017	0.002	0.002	0.003	0.003	0.004	0.004	0.004	0.004	0.005	0.006			
Total Zinc	0.03	1	0.0054	0.0051	0.012	0.016	0.01	0.043	0.015	0.015	0.019	0.047	0.022	0.033			

Indicators

results exceed Licence Limits
results exceed CCME Aquatic Life Guidelines

Outlet of Ulu Lake 200-5 - Ulu Waste Rock, Mine Ice and Ore Storage Monitoring.

Routine Parameters	CCME	Licence Limit	200-5	200-5	200-5	200-5	200-5	200-5	200-5	200-5	200-5	200-5	200-5	200-5	200-5
Date			24-May-06	31-May-06	7-Jun-06	14-Jun-06	21-Jun-06	28-Jun-06	5-Jul-06	12-Jul-06	19-Jul-06	26-Jul-06	2-Aug-06	16-Aug-06	
pH	6.5 - 9.0		6.75	6.76	6.6	6.9	6.9	6.9	6.8	6.9	6.8	6.8	6.9	7	
Nitrate	13		0.0251	0.013	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
Nitrite	0.06		<0.001	<0.001	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	
Ammonia (as N)	12.24		<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	
Total Suspended Solids	25		<3	<3	<3	4	4	<3	<3	<3	<3	<3	3	<3	
Sulphate			3.56	2.66	3.5	5.4	4.2	4.4	4.8	<0.5	50.2	4.9	5.1	5.7	
Chloride			1.55	0.66	2	4	3	2	3	3	3	4	4	5	
Metals (Total)															
Total Aluminum	0.1		0.0391	0.0534	0.05	0.04	0.04	0.03	0.02	0.02	0.03	0.03	0.02	0.03	
Total Arsenic	0.005	1	<0.0005	<0.0005	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	
Total Cadmium	0.000017		0.000035	0.000022	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	
Total Chromium	0.001		<0.001	<0.001	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	
Total Copper	0.002 - 0.004	0.6	0.0018	0.0028	0.003	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	
Total Lead	0.001 - 0.007	0.4	<0.0005	<0.0005	<0.0001	0.0002	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	
Total Nickel	0.025-0.15	1	0.0041	0.0031	<0.002	0.002	0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	0.002	
Total Zinc	0.03	1	0.0119	0.009	0.007	0.009	<0.004	0.012	<0.004	0.005	0.007	0.005	<0.004	0.017	

Indices

results exceed Licence Limits
results exceed CCME Aquatic Life Guidelines

ALS Laboratory Group

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ALS Laboratory Group

PRELIMINARY RESULTS

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

Reported On: 21-JUL-06 05:42 PM

Project P.O. #:
Job Reference: ULU
Legal Site Desc:
CofC Numbers: 74500

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
9536-57 Avenue, Edmonton, AB T6E 0P5
Phone: +1 780 413 5227 Fax: +1 780 437 2311 www.alsglobal.com
A Campbell Brothers Limited Company



Now part of the ALS Laboratory Group

ALS LABORATORY GROUP ANALYTICAL REPORT

L408312-1	200-2							
Sampled By:	JM on 05-JUL-06							
Matrix:	WATER							
Hardness								
Calcium (Ca)	4.7		0.5	mg/L	10-JUL-06	JWU	R417921	
Hardness (as CaCO3)	12			mg/L	11-JUL-06			
Magnesium (Mg)	0.6		0.1	mg/L	10-JUL-06	JWU	R417921	
Dissolved Metals - CCME								
Dissolved Major Metals								
Calcium (Ca)	3.9		0.5	mg/L	10-JUL-06	HAS	R418036	
Potassium (K)	0.5		0.1	mg/L	10-JUL-06	HAS	R418036	
Magnesium (Mg)	0.45		0.01	mg/L	10-JUL-06	HAS	R418036	
Sodium (Na)	3.1		0.5	mg/L	10-JUL-06	HAS	R418036	
Iron (Fe)	0.029		0.005	mg/L	10-JUL-06	HAS	R418036	
Manganese (Mn)	0.020		0.001	mg/L	10-JUL-06	HAS	R418036	
Dissolved Trace Metals								
Silver (Ag)	<0.0001	RAMB	0.0001	mg/L	12-JUL-06	MCHU	R418841	
Aluminum (Al)	0.25		0.01	mg/L	12-JUL-06	MCHU	R418841	
Arsenic (As)	<0.0004		0.0004	mg/L	12-JUL-06	MCHU	R418841	
Boron (B)	<0.05		0.05	mg/L	12-JUL-06	MCHU	R418841	
Barium (Ba)	0.005		0.003	mg/L	12-JUL-06	MCHU	R418841	
Beryllium (Be)	<0.001		0.001	mg/L	12-JUL-06	MCHU	R418841	
Cadmium (Cd)	<0.0001		0.0001	mg/L	12-JUL-06	MCHU	R418841	
Cobalt (Co)	<0.002		0.002	mg/L	12-JUL-06	MCHU	R418841	
Chromium (Cr)	<0.005		0.005	mg/L	12-JUL-06	MCHU	R418841	
Copper (Cu)	0.002		0.001	mg/L	12-JUL-06	MCHU	R418841	
Mercury (Hg)	<0.0001		0.0001	mg/L	12-JUL-06	MCHU	R418841	
Lithium (Li)	<0.003		0.003	mg/L	12-JUL-06	MCHU	R418841	
Molybdenum (Mo)	<0.005		0.005	mg/L	12-JUL-06	MCHU	R418841	
Nickel (Ni)	<0.002		0.002	mg/L	12-JUL-06	MCHU	R418841	
Lead (Pb)	0.0002		0.0001	mg/L	12-JUL-06	MCHU	R418841	
Antimony (Sb)	0.0007		0.0004	mg/L	12-JUL-06	MCHU	R418841	
Selenium (Se)	<0.0004		0.0004	mg/L	12-JUL-06	MCHU	R418841	
Tin (Sn)	<0.05		0.05	mg/L	12-JUL-06	MCHU	R418841	
Titanium (Ti)	<0.001		0.001	mg/L	12-JUL-06	MCHU	R418841	
Thallium (Tl)	<0.0001		0.0001	mg/L	12-JUL-06	MCHU	R418841	
Uranium (U)	<0.0001		0.0001	mg/L	12-JUL-06	MCHU	R418841	
Vanadium (V)	<0.001		0.001	mg/L	12-JUL-06	MCHU	R418841	
Zinc (Zn)	0.012		0.002	mg/L	12-JUL-06	MCHU	R418841	
Total Metals - CCME								
Total Major Metals								
Calcium (Ca)	5.9		0.5	mg/L	12-JUL-06	HAS	R418850	
Potassium (K)	0.5		0.1	mg/L	12-JUL-06	HAS	R418850	
Magnesium (Mg)	0.8		0.1	mg/L	12-JUL-06	HAS	R418850	
Sodium (Na)	3		1	mg/L	12-JUL-06	HAS	R418850	
Iron (Fe)	0.976		0.005	mg/L	12-JUL-06	HAS	R418850	
Manganese (Mn)	0.057		0.001	mg/L	12-JUL-06	HAS	R418850	
Total Trace Metals								
Silver (Ag)	<0.0004		0.0004	mg/L	12-JUL-06	MCHU	R418843	
Aluminum (Al)	0.95		0.01	mg/L	12-JUL-06	MCHU	R418843	
Arsenic (As)	0.0026		0.0004	mg/L	12-JUL-06	MCHU	R418843	
Boron (B)	<0.05		0.05	mg/L	12-JUL-06	MCHU	R418843	
Barium (Ba)	0.010		0.003	mg/L	12-JUL-06	MCHU	R418843	
Beryllium (Be)	<0.001		0.001	mg/L	12-JUL-06	MCHU	R418843	
Cadmium (Cd)	<0.0002		0.0002	mg/L	12-JUL-06	MCHU	R418843	
Cobalt (Co)	<0.002		0.002	mg/L	12-JUL-06	MCHU	R418843	

ALS LABORATORY GROUP ANALYTICAL REPORT

L408312-1	200-2							
Sampled By:	JM on 05-JUL-06							
Matrix:	WATER							
Total Metals - CCME								
Total Trace Metals								
Chromium (Cr)	<0.005	0.005	mg/L	12-JUL-06	MCHU	R418843		
Copper (Cu)	0.006	0.001	mg/L	12-JUL-06	MCHU	R418843		
Mercury (Hg)	<0.0002	0.0002	mg/L	12-JUL-06	MCHU	R418843		
Lithium (Li)	<0.01	0.01	mg/L	12-JUL-06	MCHU	R418843		
Molybdenum (Mo)	<0.005	0.005	mg/L	12-JUL-06	MCHU	R418843		
Nickel (Ni)	<0.002	0.002	mg/L	12-JUL-06	MCHU	R418843		
Lead (Pb)	0.0024	0.0001	mg/L	12-JUL-06	MCHU	R418843		
Antimony (Sb)	<0.0004	0.0004	mg/L	12-JUL-06	MCHU	R418843		
Selenium (Se)	<0.0004	0.0004	mg/L	12-JUL-06	MCHU	R418843		
Tin (Sn)	<0.05	0.05	mg/L	12-JUL-06	MCHU	R418843		
Titanium (Ti)	0.031	0.001	mg/L	12-JUL-06	MCHU	R418843		
Thallium (Tl)	<0.0001	0.0001	mg/L	12-JUL-06	MCHU	R418843		
Uranium (U)	0.0003	0.0001	mg/L	12-JUL-06	MCHU	R418843		
Vanadium (V)	0.001	0.001	mg/L	12-JUL-06	MCHU	R418843		
Zinc (Zn)	0.063	0.004	mg/L	12-JUL-06	MCHU	R418843		
Alkalinity, Total (as CaCO3)	<5	5	mg/L	10-JUL-06	PTT	R418232		
Ammonia-N	0.37	0.05	mg/L	12-JUL-06	KMY	R418715		
Chloride (Cl)	6	1	mg/L	08-JUL-06	WYA	R417502		
Conductivity (EC)	51.6	0.2	uS/cm	10-JUL-06	PTT	R418232		
Nitrate-N	0.3	0.1	mg/L	07-JUL-06	SHC	R417430		
Nitrite-N	0.08	0.05	mg/L	07-JUL-06	SHC	R417430		
Sulphate (SO4)	6.8	0.5	mg/L	10-JUL-06	JWU	R418352		
Total Suspended Solids	3	3	mg/L	10-JUL-06	SVG	R417905		
pH	7.2	0.1	pH	10-JUL-06	PTT	R418232		
L408312-2	200-3							
Sampled By:	JM on 05-JUL-06							
Matrix:	WATER							
Hardness								
Calcium (Ca)	162	0.5	mg/L	10-JUL-06	JWU	R417921		
Hardness (as CaCO3)	428		mg/L	11-JUL-06				
Magnesium (Mg)	26.5	0.1	mg/L	10-JUL-06	JWU	R417921		
Dissolved Metals - CCME								
Dissolved Major Metals								
Calcium (Ca)	137	0.5	mg/L	10-JUL-06	HAS	R418036		
Potassium (K)	24.9	0.1	mg/L	10-JUL-06	HAS	R418036		
Magnesium (Mg)	20.8	0.01	mg/L	10-JUL-06	HAS	R418036		
Sodium (Na)	1040	0.5	mg/L	10-JUL-06	HAS	R418036		
Iron (Fe)	0.017	0.005	mg/L	10-JUL-06	HAS	R418036		
Manganese (Mn)	0.760	0.001	mg/L	10-JUL-06	HAS	R418036		
Dissolved Trace Metals								
Silver (Ag)	<0.0001	RAMB 0.0001	mg/L	12-JUL-06	MCHU	R418841		
Aluminum (Al)	0.03	0.01	mg/L	12-JUL-06	MCHU	R418841		
Arsenic (As)	0.0006	0.0004	mg/L	14-JUL-06	HLA	R419673		
Boron (B)	0.08	0.05	mg/L	12-JUL-06	MCHU	R418841		
Barium (Ba)	0.204	0.003	mg/L	12-JUL-06	MCHU	R418841		
Beryllium (Be)	<0.001	0.001	mg/L	12-JUL-06	MCHU	R418841		
Cadmium (Cd)	0.0017	0.0001	mg/L	12-JUL-06	MCHU	R418841		
Cobalt (Co)	0.005	0.002	mg/L	12-JUL-06	MCHU	R418841		

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L408312-2 200-3							
Sampled By: JM on 05-JUL-06							
Matrix: WATER							
Dissolved Metals - CCME							
Dissolved Trace Metals							
Chromium (Cr)	<0.005	0.005	mg/L	12-JUL-06	MCHU	R418841	
Copper (Cu)	0.003	0.001	mg/L	12-JUL-06	MCHU	R418841	
Mercury (Hg)	<0.0001	0.0001	mg/L	12-JUL-06	MCHU	R418841	
Lithium (Li)	0.009	0.003	mg/L	12-JUL-06	MCHU	R418841	
Molybdenum (Mo)	0.010	0.005	mg/L	12-JUL-06	MCHU	R418841	
Nickel (Ni)	0.015	0.002	mg/L	12-JUL-06	MCHU	R418841	
Lead (Pb)	0.0001	0.0001	mg/L	12-JUL-06	MCHU	R418841	
Antimony (Sb)	0.0013	0.0004	mg/L	12-JUL-06	MCHU	R418841	
Selenium (Se)	0.0005	0.0004	mg/L	17-JUL-06	HLA	R420482	
Tin (Sn)	<0.05	0.05	mg/L	12-JUL-06	MCHU	R418841	
Titanium (Ti)	0.001	0.001	mg/L	12-JUL-06	MCHU	R418841	
Thallium (Tl)	0.0002	0.0001	mg/L	12-JUL-06	MCHU	R418841	
Uranium (U)	0.0015	0.0001	mg/L	12-JUL-06	MCHU	R418841	
Vanadium (V)	0.003	0.001	mg/L	12-JUL-06	MCHU	R418841	
Zinc (Zn)	0.026	0.002	mg/L	12-JUL-06	MCHU	R418841	
Total Metals - CCME							
Total Major Metals							
Calcium (Ca)	152	0.5	mg/L	12-JUL-06	HAS	R418850	
Potassium (K)	24.1	0.1	mg/L	12-JUL-06	HAS	R418850	
Magnesium (Mg)	24.1	0.1	mg/L	12-JUL-06	HAS	R418850	
Sodium (Na)	1030	1	mg/L	12-JUL-06	HAS	R418850	
Iron (Fe)	0.268	0.005	mg/L	12-JUL-06	HAS	R418850	
Manganese (Mn)	0.840	0.001	mg/L	12-JUL-06	HAS	R418850	
Total Trace Metals							
Silver (Ag)	<0.0004	RAMB 0.0004	mg/L	12-JUL-06	MCHU	R418843	
Aluminum (Al)	0.18	0.01	mg/L	12-JUL-06	MCHU	R418843	
Arsenic (As)	0.0014	0.0004	mg/L	19-JUL-06	RA	R421141	
Boron (B)	0.07	0.05	mg/L	12-JUL-06	MCHU	R418843	
Barium (Ba)	0.196	0.003	mg/L	12-JUL-06	MCHU	R418843	
Beryllium (Be)	<0.001	0.001	mg/L	12-JUL-06	MCHU	R418843	
Cadmium (Cd)	0.0017	0.0002	mg/L	12-JUL-06	MCHU	R418843	
Cobalt (Co)	0.005	0.002	mg/L	12-JUL-06	MCHU	R418843	
Chromium (Cr)	<0.005	0.005	mg/L	12-JUL-06	MCHU	R418843	
Copper (Cu)	0.004	0.001	mg/L	12-JUL-06	MCHU	R418843	
Mercury (Hg)	<0.0002	0.0002	mg/L	12-JUL-06	MCHU	R418843	
Lithium (Li)	<0.01	0.01	mg/L	12-JUL-06	MCHU	R418843	
Molybdenum (Mo)	0.009	0.005	mg/L	12-JUL-06	MCHU	R418843	
Nickel (Ni)	0.015	0.002	mg/L	12-JUL-06	MCHU	R418843	
Lead (Pb)	0.0003	0.0001	mg/L	12-JUL-06	MCHU	R418843	
Antimony (Sb)	0.0006	0.0004	mg/L	12-JUL-06	MCHU	R418843	
Selenium (Se)	0.0007	0.0004	mg/L	20-JUL-06	HLA	R421536	
Tin (Sn)	<0.05	0.05	mg/L	12-JUL-06	MCHU	R418843	
Titanium (Ti)	0.009	0.001	mg/L	12-JUL-06	MCHU	R418843	
Thallium (Tl)	0.0004	0.0001	mg/L	12-JUL-06	MCHU	R418843	
Uranium (U)	0.0014	0.0001	mg/L	12-JUL-06	MCHU	R418843	
Vanadium (V)	<0.001	0.001	mg/L	12-JUL-06	MCHU	R418843	
Zinc (Zn)	0.026	0.004	mg/L	12-JUL-06	MCHU	R418843	
Alkalinity, Total (as CaCO3)							
Alkalinity, Total (as CaCO3)	54	5	mg/L	10-JUL-06	PTT	R418232	
Ammonia-N							
Ammonia-N	22.6	0.05	mg/L	12-JUL-06	KMY	R418715	

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L408312-2	200-3								
Sampled By:	JM on 05-JUL-06								
Matrix:	WATER								
Chloride (Cl)	1910		1	mg/L	08-JUL-06	WYA	R417502		
Conductivity (EC)	5170		0.2	uS/cm	10-JUL-06	PTT	R418232		
Nitrate-N	37.0		0.1	mg/L	07-JUL-06	SHC	R417430		
Nitrite-N	3.65		0.05	mg/L	07-JUL-06	SHC	R417430		
Sulphate (SO4)	136	RRV	0.5	mg/L	10-JUL-06	JWU	R418352		
Total Suspended Solids	<3		3	mg/L	10-JUL-06	SVG	R417905		
pH	7.7		0.1	pH	10-JUL-06	PTT	R418232		
L408312-3	200-4								
Sampled By:	JM on 05-JUL-06								
Matrix:	WATER								
Hardness									
Calcium (Ca)	18.9		0.5	mg/L	10-JUL-06	JWU	R417921		
Hardness (as CaCO3)	49			mg/L	11-JUL-06				
Magnesium (Mg)	3.6		0.1	mg/L	10-JUL-06	JWU	R417921		
Dissolved Metals - CCME									
Dissolved Major Metals									
Calcium (Ca)	15.3		0.5	mg/L	10-JUL-06	HAS	R418036		
Potassium (K)	2.0		0.1	mg/L	10-JUL-06	HAS	R418036		
Magnesium (Mg)	2.74		0.01	mg/L	10-JUL-06	HAS	R418036		
Sodium (Na)	36.1		0.5	mg/L	10-JUL-06	HAS	R418036		
Iron (Fe)	0.018		0.005	mg/L	10-JUL-06	HAS	R418036		
Manganese (Mn)	0.015		0.001	mg/L	10-JUL-06	HAS	R418036		
Dissolved Trace Metals									
Silver (Ag)	<0.0001	RAMB	0.0001	mg/L	12-JUL-06	MCHU	R418841		
Aluminum (Al)	0.02		0.01	mg/L	12-JUL-06	MCHU	R418841		
Arsenic (As)	<0.0004		0.0004	mg/L	12-JUL-06	MCHU	R418841		
Boron (B)	<0.05		0.05	mg/L	12-JUL-06	MCHU	R418841		
Barium (Ba)	0.024		0.003	mg/L	12-JUL-06	MCHU	R418841		
Beryllium (Be)	<0.001		0.001	mg/L	12-JUL-06	MCHU	R418841		
Cadmium (Cd)	<0.0001		0.0001	mg/L	12-JUL-06	MCHU	R418841		
Cobalt (Co)	<0.002		0.002	mg/L	12-JUL-06	MCHU	R418841		
Chromium (Cr)	<0.005		0.005	mg/L	12-JUL-06	MCHU	R418841		
Copper (Cu)	0.002		0.001	mg/L	12-JUL-06	MCHU	R418841		
Mercury (Hg)	<0.0001		0.0001	mg/L	12-JUL-06	MCHU	R418841		
Lithium (Li)	<0.003		0.003	mg/L	12-JUL-06	MCHU	R418841		
Molybdenum (Mo)	<0.005		0.005	mg/L	12-JUL-06	MCHU	R418841		
Nickel (Ni)	0.002		0.002	mg/L	12-JUL-06	MCHU	R418841		
Lead (Pb)	<0.0001		0.0001	mg/L	12-JUL-06	MCHU	R418841		
Antimony (Sb)	0.0007		0.0004	mg/L	12-JUL-06	MCHU	R418841		
Selenium (Se)	<0.0004		0.0004	mg/L	12-JUL-06	MCHU	R418841		
Tin (Sn)	<0.05		0.05	mg/L	12-JUL-06	MCHU	R418841		
Titanium (Ti)	<0.001		0.001	mg/L	12-JUL-06	MCHU	R418841		
Thallium (Tl)	0.0005		0.0001	mg/L	12-JUL-06	MCHU	R418841		
Uranium (U)	<0.0001		0.0001	mg/L	12-JUL-06	MCHU	R418841		
Vanadium (V)	0.001		0.001	mg/L	12-JUL-06	MCHU	R418841		
Zinc (Zn)	0.010		0.002	mg/L	12-JUL-06	MCHU	R418841		
Total Metals - CCME									
Total Major Metals									
Calcium (Ca)	17.2		0.5	mg/L	12-JUL-06	HAS	R418850		
Potassium (K)	1.9		0.1	mg/L	12-JUL-06	HAS	R418850		

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L408312-3	200-4						
Sampled By:	JM on 05-JUL-06						
Matrix:	WATER						
Total Metals - CCME							
Total Major Metals							
Magnesium (Mg)	3.2	0.1	mg/L	12-JUL-06	HAS	R418850	
Sodium (Na)	36	1	mg/L	12-JUL-06	HAS	R418850	
Iron (Fe)	0.055	0.005	mg/L	12-JUL-06	HAS	R418850	
Manganese (Mn)	0.023	0.001	mg/L	12-JUL-06	HAS	R418850	
Total Trace Metals							
Silver (Ag)	<0.0004	0.0004	mg/L	12-JUL-06	MCHU	R418843	
Aluminum (Al)	0.04	0.01	mg/L	12-JUL-06	MCHU	R418843	
Arsenic (As)	0.0007	0.0004	mg/L	12-JUL-06	MCHU	R418843	
Boron (B)	<0.05	0.05	mg/L	12-JUL-06	MCHU	R418843	
Barium (Ba)	0.022	0.003	mg/L	12-JUL-06	MCHU	R418843	
Beryllium (Be)	<0.001	0.001	mg/L	12-JUL-06	MCHU	R418843	
Cadmium (Cd)	<0.0002	0.0002	mg/L	12-JUL-06	MCHU	R418843	
Cobalt (Co)	<0.002	0.002	mg/L	12-JUL-06	MCHU	R418843	
Chromium (Cr)	<0.005	0.005	mg/L	12-JUL-06	MCHU	R418843	
Copper (Cu)	0.011	0.001	mg/L	12-JUL-06	MCHU	R418843	
Mercury (Hg)	<0.0002	0.0002	mg/L	12-JUL-06	MCHU	R418843	
Lithium (Li)	<0.01	0.01	mg/L	12-JUL-06	MCHU	R418843	
Molybdenum (Mo)	<0.005	0.005	mg/L	12-JUL-06	MCHU	R418843	
Nickel (Ni)	0.003	0.002	mg/L	12-JUL-06	MCHU	R418843	
Lead (Pb)	<0.0001	0.0001	mg/L	12-JUL-06	MCHU	R418843	
Antimony (Sb)	<0.0004	0.0004	mg/L	12-JUL-06	MCHU	R418843	
Selenium (Se)	0.0020	0.0004	mg/L	12-JUL-06	MCHU	R418843	
Tin (Sn)	<0.05	0.05	mg/L	12-JUL-06	MCHU	R418843	
Titanium (Ti)	0.001	0.001	mg/L	12-JUL-06	MCHU	R418843	
Thallium (Tl)	0.0004	0.0001	mg/L	12-JUL-06	MCHU	R418843	
Uranium (U)	<0.0001	0.0001	mg/L	12-JUL-06	MCHU	R418843	
Vanadium (V)	<0.001	0.001	mg/L	12-JUL-06	MCHU	R418843	
Zinc (Zn)	0.012	0.004	mg/L	12-JUL-06	MCHU	R418843	
Alkalinity, Total (as CaCO ₃)	6	5	mg/L	10-JUL-06	PTT	R418232	
Ammonia-N	0.71	0.05	mg/L	12-JUL-06	KMY	R418715	
Chloride (Cl)	72	1	mg/L	08-JUL-06	WYA	R417502	
Conductivity (EC)	312	0.2	uS/cm	10-JUL-06	PTT	R418232	
Nitrate-N	3.4	0.1	mg/L	07-JUL-06	SHC	R417430	
Nitrite-N	<0.05	0.05	mg/L	07-JUL-06	SHC	R417430	
Sulphate (SO ₄)	24.2	0.5	mg/L	10-JUL-06	JWU	R418352	
Total Suspended Solids	<3	3	mg/L	10-JUL-06	SVG	R417905	
pH	6.9	0.1	pH	10-JUL-06	PTT	R418232	
L408312-4	200-5						
Sampled By:	JM on 05-JUL-06						
Matrix:	WATER						
Hardness							
Calcium (Ca)	2.3	0.5	mg/L	10-JUL-06	JWU	R417921	
Hardness (as CaCO ₃)	8		mg/L	11-JUL-06			
Magnesium (Mg)	1.1	0.1	mg/L	10-JUL-06	JWU	R417921	
Dissolved Metals - CCME							
Dissolved Major Metals							
Calcium (Ca)	1.9	0.5	mg/L	10-JUL-06	HAS	R418036	
Potassium (K)	0.5	0.1	mg/L	10-JUL-06	HAS	R418036	

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L408312-4	200-5							
Sampled By:	JM on 05-JUL-06							
Matrix:	WATER							
Dissolved Metals - CCME								
Dissolved Major Metals								
Magnesium (Mg)	0.88		0.01	mg/L	10-JUL-06	HAS	R418036	
Sodium (Na)	1.1		0.5	mg/L	10-JUL-06	HAS	R418036	
Iron (Fe)	0.007		0.005	mg/L	10-JUL-06	HAS	R418036	
Manganese (Mn)	0.002		0.001	mg/L	10-JUL-06	HAS	R418036	
Dissolved Trace Metals								
Silver (Ag)	<0.0001	RAMB	0.0001	mg/L	12-JUL-06	MCHU	R418841	
Aluminum (Al)	0.02		0.01	mg/L	12-JUL-06	MCHU	R418841	
Arsenic (As)	<0.0004		0.0004	mg/L	12-JUL-06	MCHU	R418841	
Boron (B)	<0.05		0.05	mg/L	12-JUL-06	MCHU	R418841	
Barium (Ba)	0.005		0.003	mg/L	12-JUL-06	MCHU	R418841	
Beryllium (Be)	<0.001		0.001	mg/L	12-JUL-06	MCHU	R418841	
Cadmium (Cd)	<0.0001		0.0001	mg/L	12-JUL-06	MCHU	R418841	
Cobalt (Co)	<0.002		0.002	mg/L	12-JUL-06	MCHU	R418841	
Chromium (Cr)	<0.005		0.005	mg/L	12-JUL-06	MCHU	R418841	
Copper (Cu)	0.002		0.001	mg/L	12-JUL-06	MCHU	R418841	
Mercury (Hg)	<0.0001		0.0001	mg/L	12-JUL-06	MCHU	R418841	
Lithium (Li)	<0.003		0.003	mg/L	12-JUL-06	MCHU	R418841	
Molybdenum (Mo)	<0.005		0.005	mg/L	12-JUL-06	MCHU	R418841	
Nickel (Ni)	<0.002		0.002	mg/L	12-JUL-06	MCHU	R418841	
Lead (Pb)	<0.0001		0.0001	mg/L	12-JUL-06	MCHU	R418841	
Antimony (Sb)	0.0006		0.0004	mg/L	12-JUL-06	MCHU	R418841	
Selenium (Se)	<0.0004		0.0004	mg/L	12-JUL-06	MCHU	R418841	
Tin (Sn)	<0.05		0.05	mg/L	12-JUL-06	MCHU	R418841	
Titanium (Ti)	<0.001		0.001	mg/L	12-JUL-06	MCHU	R418841	
Thallium (Tl)	<0.0001		0.0001	mg/L	12-JUL-06	MCHU	R418841	
Uranium (U)	<0.0001		0.0001	mg/L	12-JUL-06	MCHU	R418841	
Vanadium (V)	<0.001		0.001	mg/L	12-JUL-06	MCHU	R418841	
Zinc (Zn)	<0.002		0.002	mg/L	10-JUL-06	HAS	R418036	
Total Metals - CCME								
Total Major Metals								
Calcium (Ca)	2.0		0.5	mg/L	10-JUL-06	HAS	R418037	
Potassium (K)	0.4		0.1	mg/L	10-JUL-06	HAS	R418037	
Magnesium (Mg)	1.0		0.1	mg/L	10-JUL-06	HAS	R418037	
Sodium (Na)	<1		1	mg/L	10-JUL-06	HAS	R418037	
Iron (Fe)	0.012		0.005	mg/L	10-JUL-06	HAS	R418037	
Manganese (Mn)	0.002		0.001	mg/L	10-JUL-06	HAS	R418037	
Total Trace Metals								
Silver (Ag)	<0.0004		0.0004	mg/L	11-JUL-06	MCHU	R418843	
Aluminum (Al)	0.02		0.01	mg/L	11-JUL-06	MCHU	R418843	
Arsenic (As)	<0.0004		0.0004	mg/L	11-JUL-06	MCHU	R418843	
Boron (B)	<0.05		0.05	mg/L	11-JUL-06	MCHU	R418843	
Barium (Ba)	<0.003		0.003	mg/L	11-JUL-06	MCHU	R418843	
Beryllium (Be)	<0.001		0.001	mg/L	11-JUL-06	MCHU	R418843	
Cadmium (Cd)	<0.0002		0.0002	mg/L	11-JUL-06	MCHU	R418843	
Cobalt (Co)	<0.002		0.002	mg/L	11-JUL-06	MCHU	R418843	
Chromium (Cr)	<0.005		0.005	mg/L	11-JUL-06	MCHU	R418843	
Copper (Cu)	0.002		0.001	mg/L	11-JUL-06	MCHU	R418843	
Mercury (Hg)	<0.0002		0.0002	mg/L	11-JUL-06	MCHU	R418843	
Lithium (Li)	<0.01		0.01	mg/L	11-JUL-06	MCHU	R418843	
Molybdenum (Mo)	<0.005		0.005	mg/L	11-JUL-06	MCHU	R418843	
Nickel (Ni)	<0.002		0.002	mg/L	11-JUL-06	MCHU	R418843	

ALS LABORATORY GROUP ANALYTICAL REPORT

L408312-4 200-5							
Sampled By: JM on 05-JUL-06							
Matrix: WATER							
Total Metals - CCME							
Total Trace Metals							
Lead (Pb)	<0.0001	0.0001	mg/L	11-JUL-06	MCHU	R418843	
Antimony (Sb)	<0.0004	0.0004	mg/L	11-JUL-06	MCHU	R418843	
Selenium (Se)	<0.0004	0.0004	mg/L	11-JUL-06	MCHU	R418843	
Tin (Sn)	<0.05	0.05	mg/L	11-JUL-06	MCHU	R418843	
Titanium (Ti)	<0.001	0.001	mg/L	11-JUL-06	MCHU	R418843	
Thallium (Tl)	<0.0001	0.0001	mg/L	11-JUL-06	MCHU	R418843	
Uranium (U)	<0.0001	0.0001	mg/L	11-JUL-06	MCHU	R418843	
Vanadium (V)	<0.001	0.001	mg/L	11-JUL-06	MCHU	R418843	
Zinc (Zn)	<0.004	0.004	mg/L	11-JUL-06	MCHU	R418843	
Alkalinity, Total (as CaCO3)	<5	5	mg/L	10-JUL-06	PTT	R418232	
Ammonia-N	<0.05	0.05	mg/L	12-JUL-06	KMY	R418715	
Chloride (Cl)	3	1	mg/L	08-JUL-06	WYA	R417502	
Conductivity (EC)	28.8	0.2	uS/cm	10-JUL-06	PTT	R418232	
Nitrate-N	<0.1	0.1	mg/L	07-JUL-06	SHC	R417430	
Nitrite-N	<0.05	0.05	mg/L	07-JUL-06	SHC	R417430	
Sulphate (SO4)	4.8	0.5	mg/L	10-JUL-06	JWU	R418352	
Total Suspended Solids	<3	3	mg/L	10-JUL-06	SVG	R417905	
pH	6.8	0.1	pH	10-JUL-06	PTT	R418232	
L408312-5 200-5A							
Sampled By: JM on 05-JUL-06							
Matrix: WATER							
Hardness							
Calcium (Ca)	16.6	0.5	mg/L	10-JUL-06	JWU	R417921	
Hardness (as CaCO3)	51		mg/L	11-JUL-06			
Magnesium (Mg)	4.3	0.1	mg/L	10-JUL-06	JWU	R417921	
Dissolved Metals - CCME							
Dissolved Major Metals							
Calcium (Ca)	14.5	0.5	mg/L	10-JUL-06	HAS	R418036	
Potassium (K)	1.8	0.1	mg/L	10-JUL-06	HAS	R418036	
Magnesium (Mg)	3.53	0.01	mg/L	10-JUL-06	HAS	R418036	
Sodium (Na)	31.3	0.5	mg/L	10-JUL-06	HAS	R418036	
Iron (Fe)	0.015	0.005	mg/L	10-JUL-06	HAS	R418036	
Manganese (Mn)	0.018	0.001	mg/L	10-JUL-06	HAS	R418036	
Dissolved Trace Metals							
Silver (Ag)	<0.0001	0.0001	mg/L	12-JUL-06	MCHU	R418841	
Aluminum (Al)	0.10	0.01	mg/L	12-JUL-06	MCHU	R418841	
Arsenic (As)	<0.0004	0.0004	mg/L	12-JUL-06	MCHU	R418841	
Boron (B)	<0.05	0.05	mg/L	12-JUL-06	MCHU	R418841	
Barium (Ba)	0.045	0.003	mg/L	12-JUL-06	MCHU	R418841	
Beryllium (Be)	<0.001	0.001	mg/L	12-JUL-06	MCHU	R418841	
Cadmium (Cd)	0.0002	0.0001	mg/L	12-JUL-06	MCHU	R418841	
Cobalt (Co)	<0.002	0.002	mg/L	12-JUL-06	MCHU	R418841	
Chromium (Cr)	<0.005	0.005	mg/L	12-JUL-06	MCHU	R418841	
Copper (Cu)	0.002	0.001	mg/L	12-JUL-06	MCHU	R418841	
Mercury (Hg)	<0.0001	0.0001	mg/L	12-JUL-06	MCHU	R418841	
Lithium (Li)	<0.003	0.003	mg/L	12-JUL-06	MCHU	R418841	
Molybdenum (Mo)	<0.005	0.005	mg/L	12-JUL-06	MCHU	R418841	
Nickel (Ni)	0.004	0.002	mg/L	12-JUL-06	MCHU	R418841	

ALS LABORATORY GROUP ANALYTICAL REPORT

L408312-5 200-5A							
Sampled By: JM on 05-JUL-06							
Matrix: WATER							
Dissolved Metals - CCME							
Dissolved Trace Metals							
Lead (Pb)	0.0002	0.0001	mg/L	12-JUL-06	MCHU	R418841	
Antimony (Sb)	0.0006	0.0004	mg/L	12-JUL-06	MCHU	R418841	
Selenium (Se)	<0.0004	0.0004	mg/L	12-JUL-06	MCHU	R418841	
Tin (Sn)	<0.05	0.05	mg/L	12-JUL-06	MCHU	R418841	
Titanium (Ti)	<0.001	0.001	mg/L	12-JUL-06	MCHU	R418841	
Thallium (Tl)	0.0001	0.0001	mg/L	12-JUL-06	MCHU	R418841	
Uranium (U)	0.0002	0.0001	mg/L	12-JUL-06	MCHU	R418841	
Vanadium (V)	0.001	0.001	mg/L	12-JUL-06	MCHU	R418841	
Zinc (Zn)	0.017	0.002	mg/L	12-JUL-06	MCHU	R418841	
Total Metals - CCME							
Total Major Metals							
Calcium (Ca)	15.5	0.5	mg/L	10-JUL-06	HAS	R418037	
Potassium (K)	1.6	0.1	mg/L	10-JUL-06	HAS	R418037	
Magnesium (Mg)	3.9	0.1	mg/L	10-JUL-06	HAS	R418037	
Sodium (Na)	30	1	mg/L	10-JUL-06	HAS	R418037	
Iron (Fe)	0.018	0.005	mg/L	10-JUL-06	HAS	R418037	
Manganese (Mn)	0.019	0.001	mg/L	10-JUL-06	HAS	R418037	
Total Trace Metals							
Silver (Ag)	<0.0004	0.0004	mg/L	11-JUL-06	MCHU	R418843	
Aluminum (Al)	0.12	0.01	mg/L	11-JUL-06	MCHU	R418843	
Arsenic (As)	<0.0004	0.0004	mg/L	11-JUL-06	MCHU	R418843	
Boron (B)	<0.05	0.05	mg/L	11-JUL-06	MCHU	R418843	
Barium (Ba)	0.042	0.003	mg/L	11-JUL-06	MCHU	R418843	
Beryllium (Be)	<0.001	0.001	mg/L	11-JUL-06	MCHU	R418843	
Cadmium (Cd)	<0.0002	0.0002	mg/L	11-JUL-06	MCHU	R418843	
Cobalt (Co)	<0.002	0.002	mg/L	11-JUL-06	MCHU	R418843	
Chromium (Cr)	<0.005	0.005	mg/L	11-JUL-06	MCHU	R418843	
Copper (Cu)	0.002	0.001	mg/L	11-JUL-06	MCHU	R418843	
Mercury (Hg)	<0.0002	0.0002	mg/L	11-JUL-06	MCHU	R418843	
Lithium (Li)	<0.01	0.01	mg/L	11-JUL-06	MCHU	R418843	
Molybdenum (Mo)	<0.005	0.005	mg/L	11-JUL-06	MCHU	R418843	
Nickel (Ni)	0.004	0.002	mg/L	11-JUL-06	MCHU	R418843	
Lead (Pb)	0.0002	0.0001	mg/L	11-JUL-06	MCHU	R418843	
Antimony (Sb)	<0.0004	0.0004	mg/L	11-JUL-06	MCHU	R418843	
Selenium (Se)	<0.0004	0.0004	mg/L	11-JUL-06	MCHU	R418843	
Tin (Sn)	<0.05	0.05	mg/L	11-JUL-06	MCHU	R418843	
Titanium (Ti)	<0.001	0.001	mg/L	11-JUL-06	MCHU	R418843	
Thallium (Tl)	<0.0001	0.0001	mg/L	11-JUL-06	MCHU	R418843	
Uranium (U)	0.0002	0.0001	mg/L	11-JUL-06	MCHU	R418843	
Vanadium (V)	<0.001	0.001	mg/L	11-JUL-06	MCHU	R418843	
Zinc (Zn)	0.015	0.004	mg/L	11-JUL-06	MCHU	R418843	
Alkalinity, Total (as CaCO3)							
Alkalinity, Total (as CaCO3)	<5	5	mg/L	10-JUL-06	PTT	R418232	
Ammonia-N	<0.05	0.05	mg/L	12-JUL-06	KMY	R418715	
Chloride (Cl)	63	1	mg/L	08-JUL-06	WYA	R417502	
Conductivity (EC)	274	0.2	uS/cm	10-JUL-06	PTT	R418232	
Nitrate-N	3.3	0.1	mg/L	07-JUL-06	SHC	R417430	
Nitrite-N	<0.05	0.05	mg/L	07-JUL-06	SHC	R417430	
Sulphate (SO4)	21.7	0.5	mg/L	10-JUL-06	JWU	R418352	
Total Suspended Solids	<3	3	mg/L	10-JUL-06	SVG	R417905	

ALS LABORATORY GROUP ANALYTICAL REPORT

L408312-5 200-5A
Sampled By: JM on 05-JUL-06
Matrix: WATER

pH

6.6

0.1

pH

10-JUL-06

PTT

R418232

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

Reference Information

Sample Parameter Qualifier key listed:

Qualifier	Description
RAMB	Result Adjusted For Method Blank
RRV	Reported Result Verified By Repeat Analysis

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:

74500

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.

Reported On: 21-JUL-06 10:34 AM

Comments:

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

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ALS LABORATORY GROUP ANALYTICAL REPORT

L410524-1	200-2							
Sampled By:	NOT PROVIDED on 12-JUL-06							
Matrix:	WATER							
Hardness								
Calcium (Ca)	3.7	0.5	mg/L	14-JUL-06	MLH	R419519		
Hardness (as CaCO ₃)	13		mg/L	17-JUL-06				
Magnesium (Mg)	0.9	0.1	mg/L	14-JUL-06	MLH	R419519		
Dissolved Metals - CCME								
Dissolved Major Metals								
Calcium (Ca)	3.3	0.5	mg/L	13-JUL-06	HAS	R419575		
Potassium (K)	0.7	0.1	mg/L	13-JUL-06	HAS	R419575		
Magnesium (Mg)	0.73	0.01	mg/L	13-JUL-06	HAS	R419575		
Sodium (Na)	8.5	0.5	mg/L	14-JUL-06	HAS	R419817		
Iron (Fe)	0.367	0.005	mg/L	13-JUL-06	HAS	R419575		
Manganese (Mn)	0.014	0.001	mg/L	13-JUL-06	HAS	R419575		
Dissolved Trace Metals								
Silver (Ag)	<0.0001	0.0001	mg/L	17-JUL-06	QLI	R420557		
Aluminum (Al)	0.05	0.01	mg/L	17-JUL-06	QLI	R420557		
Arsenic (As)	0.0014	0.0004	mg/L	17-JUL-06	QLI	R420557		
Boron (B)	<0.05	0.05	mg/L	17-JUL-06	QLI	R420557		
Barium (Ba)	0.003	0.003	mg/L	17-JUL-06	QLI	R420557		
Beryllium (Be)	<0.001	0.001	mg/L	17-JUL-06	QLI	R420557		
Cadmium (Cd)	<0.0001	0.0001	mg/L	17-JUL-06	QLI	R420557		
Cobalt (Co)	<0.002	0.002	mg/L	17-JUL-06	QLI	R420557		
Chromium (Cr)	<0.005	0.005	mg/L	17-JUL-06	QLI	R420557		
Copper (Cu)	0.003	0.001	mg/L	17-JUL-06	QLI	R420557		
Mercury (Hg)	<0.0001	0.0001	mg/L	17-JUL-06	QLI	R420557		
Lithium (Li)	<0.003	0.003	mg/L	17-JUL-06	QLI	R420557		
Molybdenum (Mo)	<0.005	0.005	mg/L	17-JUL-06	QLI	R420557		
Nickel (Ni)	<0.002	0.002	mg/L	17-JUL-06	QLI	R420557		
Lead (Pb)	<0.0001	0.0001	mg/L	17-JUL-06	QLI	R420557		
Antimony (Sb)	0.0008	0.0004	mg/L	17-JUL-06	QLI	R420557		
Selenium (Se)	<0.0004	0.0004	mg/L	17-JUL-06	QLI	R420557		
Tin (Sn)	<0.05	0.05	mg/L	17-JUL-06	QLI	R420557		
Titanium (Ti)	<0.001	0.001	mg/L	17-JUL-06	QLI	R420557		
Thallium (Tl)	<0.0001	0.0001	mg/L	17-JUL-06	QLI	R420557		
Uranium (U)	<0.0001	0.0001	mg/L	17-JUL-06	QLI	R420557		
Vanadium (V)	<0.001	0.001	mg/L	17-JUL-06	QLI	R420557		
Zinc (Zn)	0.008	0.002	mg/L	17-JUL-06	QLI	R420557		
Total Metals - CCME								
Total Major Metals								
Calcium (Ca)	3.4	0.5	mg/L	18-JUL-06	HAS	R421182		
Potassium (K)	0.7	0.1	mg/L	18-JUL-06	HAS	R421182		
Magnesium (Mg)	0.9	0.1	mg/L	18-JUL-06	HAS	R421182		
Sodium (Na)	8	1	mg/L	18-JUL-06	HAS	R421182		
Iron (Fe)	1.06	0.005	mg/L	18-JUL-06	HAS	R421182		
Manganese (Mn)	0.022	0.001	mg/L	18-JUL-06	HAS	R421182		
Total Trace Metals								
Silver (Ag)	<0.0004	0.0004	mg/L	19-JUL-06	QLI	R421833		
Aluminum (Al)	0.55	0.01	mg/L	19-JUL-06	QLI	R421833		
Arsenic (As)	0.0039	0.0004	mg/L	19-JUL-06	QLI	R421833		
Boron (B)	<0.05	0.05	mg/L	19-JUL-06	QLI	R421833		
Barium (Ba)	0.009	0.003	mg/L	19-JUL-06	QLI	R421833		
Beryllium (Be)	<0.001	0.001	mg/L	19-JUL-06	QLI	R421833		
Cadmium (Cd)	<0.0002	0.0002	mg/L	19-JUL-06	QLI	R421833		
Cobalt (Co)	<0.002	0.002	mg/L	19-JUL-06	QLI	R421833		

ALS LABORATORY GROUP ANALYTICAL REPORT

L410524-1 200-2							
Sampled By: NOT PROVIDED on 12-JUL-06							
Matrix: WATER							
Total Metals - CCME							
Total Trace Metals							
Chromium (Cr)	<0.005	0.005	mg/L	19-JUL-06	QLI	R421833	
Copper (Cu)	0.007	0.001	mg/L	19-JUL-06	QLI	R421833	
Mercury (Hg)	<0.0002	0.0002	mg/L	19-JUL-06	QLI	R421833	
Lithium (Li)	<0.01	0.01	mg/L	19-JUL-06	QLI	R421833	
Molybdenum (Mo)	<0.005	0.005	mg/L	19-JUL-06	QLI	R421833	
Nickel (Ni)	<0.002	0.002	mg/L	19-JUL-06	QLI	R421833	
Lead (Pb)	0.0015	0.0001	mg/L	19-JUL-06	QLI	R421833	
Antimony (Sb)	<0.0004	0.0004	mg/L	19-JUL-06	QLI	R421833	
Selenium (Se)	<0.0004	0.0004	mg/L	19-JUL-06	QLI	R421833	
Tin (Sn)	<0.05	0.05	mg/L	19-JUL-06	QLI	R421833	
Titanium (Ti)	0.036	0.001	mg/L	19-JUL-06	QLI	R421833	
Thallium (Tl)	<0.0001	0.0001	mg/L	19-JUL-06	QLI	R421833	
Uranium (U)	<0.0001	0.0001	mg/L	19-JUL-06	QLI	R421833	
Vanadium (V)	0.003	0.001	mg/L	19-JUL-06	QLI	R421833	
Zinc (Zn)	0.017	0.004	mg/L	19-JUL-06	QLI	R421833	
Alkalinity, Total (as CaCO ₃)	<5	5	mg/L	14-JUL-06	PTT	R419509	
Ammonia-N	0.90	0.05	mg/L	14-JUL-06	LDC	R419622	
Chloride (Cl)	16	1	mg/L	14-JUL-06	WYA	R419767	
Conductivity (EC)	81.9	0.2	uS/cm	14-JUL-06	PTT	R419509	
Nitrate-N	0.5	0.1	mg/L	17-JUL-06	SHC	R419815	
Nitrite-N	<0.05	0.05	mg/L	17-JUL-06	SHC	R419815	
Sulphate (SO ₄)	0.6	0.5	mg/L	17-JUL-06	JWU	R418352	
Total Suspended Solids	18	3	mg/L	14-JUL-06	SVG	R419625	
pH	7.0	0.1	pH	14-JUL-06	PTT	R419509	
L410524-2 200-3							
Sampled By: NOT PROVIDED on 12-JUL-06							
Matrix: WATER							
Hardness							
Calcium (Ca)	75.1	0.5	mg/L	14-JUL-06	MLH	R419519	
Hardness (as CaCO ₃)	239		mg/L	17-JUL-06			
Magnesium (Mg)	12.5	0.1	mg/L	14-JUL-06	MLH	R419519	
Dissolved Metals - CCME							
Dissolved Major Metals							
Calcium (Ca)	74.3	0.5	mg/L	13-JUL-06	HAS	R419575	
Potassium (K)	9.9	0.1	mg/L	13-JUL-06	HAS	R419575	
Magnesium (Mg)	11.8	0.01	mg/L	13-JUL-06	HAS	R419575	
Sodium (Na)	301	0.5	mg/L	13-JUL-06	HAS	R419575	
Iron (Fe)	0.146	0.005	mg/L	13-JUL-06	HAS	R419575	
Manganese (Mn)	0.301	0.001	mg/L	13-JUL-06	HAS	R419575	
Dissolved Trace Metals							
Silver (Ag)	<0.0001	0.0001	mg/L	17-JUL-06	QLI	R420557	
Aluminum (Al)	0.05	0.01	mg/L	17-JUL-06	QLI	R420557	
Arsenic (As)	0.0018	0.0004	mg/L	17-JUL-06	QLI	R420557	
Boron (B)	<0.05	0.05	mg/L	17-JUL-06	QLI	R420557	
Barium (Ba)	0.061	0.003	mg/L	17-JUL-06	QLI	R420557	
Beryllium (Be)	<0.001	0.001	mg/L	17-JUL-06	QLI	R420557	
Cadmium (Cd)	0.0005	0.0001	mg/L	17-JUL-06	QLI	R420557	
Cobalt (Co)	<0.002	0.002	mg/L	17-JUL-06	QLI	R420557	

ALS LABORATORY GROUP ANALYTICAL REPORT

L410524-2 200-3							
Sampled By: NOT PROVIDED on 12-JUL-06							
Matrix: WATER							
Dissolved Metals - CCME							
Dissolved Trace Metals							
Chromium (Cr)	<0.005	0.005	mg/L	17-JUL-06	QLI	R420557	
Copper (Cu)	0.003	0.001	mg/L	17-JUL-06	QLI	R420557	
Mercury (Hg)	<0.0001	0.0001	mg/L	17-JUL-06	QLI	R420557	
Lithium (Li)	0.004	0.003	mg/L	17-JUL-06	QLI	R420557	
Molybdenum (Mo)	0.005	0.005	mg/L	17-JUL-06	QLI	R420557	
Nickel (Ni)	0.007	0.002	mg/L	17-JUL-06	QLI	R420557	
Lead (Pb)	0.0001	0.0001	mg/L	17-JUL-06	QLI	R420557	
Antimony (Sb)	0.0014	0.0004	mg/L	17-JUL-06	QLI	R420557	
Selenium (Se)	<0.0004	0.0004	mg/L	17-JUL-06	QLI	R420557	
Tin (Sn)	<0.05	0.05	mg/L	17-JUL-06	QLI	R420557	
Titanium (Ti)	0.001	0.001	mg/L	17-JUL-06	QLI	R420557	
Thallium (Tl)	0.0002	0.0001	mg/L	17-JUL-06	QLI	R420557	
Uranium (U)	0.0011	0.0001	mg/L	17-JUL-06	QLI	R420557	
Vanadium (V)	0.005	0.001	mg/L	17-JUL-06	QLI	R420557	
Zinc (Zn)	0.008	0.002	mg/L	17-JUL-06	QLI	R420557	
Total Metals - CCME							
Total Major Metals							
Calcium (Ca)	70.4	0.5	mg/L	18-JUL-06	HAS	R421182	
Potassium (K)	9.0	0.1	mg/L	18-JUL-06	HAS	R421182	
Magnesium (Mg)	11.1	0.1	mg/L	18-JUL-06	HAS	R421182	
Sodium (Na)	294	1	mg/L	18-JUL-06	HAS	R421182	
Iron (Fe)	0.222	0.005	mg/L	18-JUL-06	HAS	R421182	
Manganese (Mn)	0.298	0.001	mg/L	18-JUL-06	HAS	R421182	
Total Trace Metals							
Silver (Ag)	<0.0004	0.0004	mg/L	19-JUL-06	QLI	R421833	
Aluminum (Al)	0.09	0.01	mg/L	19-JUL-06	QLI	R421833	
Arsenic (As)	0.0024	0.0004	mg/L	19-JUL-06	QLI	R421833	
Boron (B)	0.06	0.05	mg/L	19-JUL-06	QLI	R421833	
Barium (Ba)	0.061	0.003	mg/L	19-JUL-06	QLI	R421833	
Beryllium (Be)	<0.001	0.001	mg/L	19-JUL-06	QLI	R421833	
Cadmium (Cd)	0.0005	0.0002	mg/L	19-JUL-06	QLI	R421833	
Cobalt (Co)	<0.002	0.002	mg/L	19-JUL-06	QLI	R421833	
Chromium (Cr)	<0.005	0.005	mg/L	19-JUL-06	QLI	R421833	
Copper (Cu)	0.004	0.001	mg/L	19-JUL-06	QLI	R421833	
Mercury (Hg)	<0.0002	0.0002	mg/L	19-JUL-06	QLI	R421833	
Lithium (Li)	<0.01	0.01	mg/L	19-JUL-06	QLI	R421833	
Molybdenum (Mo)	0.005	0.005	mg/L	19-JUL-06	QLI	R421833	
Nickel (Ni)	0.008	0.002	mg/L	19-JUL-06	QLI	R421833	
Lead (Pb)	0.0005	0.0001	mg/L	19-JUL-06	QLI	R421833	
Antimony (Sb)	0.0006	0.0004	mg/L	19-JUL-06	QLI	R421833	
Selenium (Se)	0.0141	0.0004	mg/L	19-JUL-06	QLI	R421833	
Tin (Sn)	<0.05	0.05	mg/L	19-JUL-06	QLI	R421833	
Titanium (Ti)	0.008	0.001	mg/L	19-JUL-06	QLI	R421833	
Thallium (Tl)	0.0003	0.0001	mg/L	19-JUL-06	QLI	R421833	
Uranium (U)	0.0011	0.0001	mg/L	19-JUL-06	QLI	R421833	
Vanadium (V)	0.008	0.001	mg/L	19-JUL-06	QLI	R421833	
Zinc (Zn)	0.011	0.004	mg/L	19-JUL-06	QLI	R421833	
Alkalinity, Total (as CaCO3)							
	58	5	mg/L	14-JUL-06	PTT	R419509	
Ammonia-N							
	10.3	0.05	mg/L	14-JUL-06	LDC	R419622	

ALS LABORATORY GROUP ANALYTICAL REPORT

L410524-2	200-3							
Sampled By:	NOT PROVIDED on 12-JUL-06							
Matrix:	WATER							
Chloride (Cl)	545	1	mg/L	14-JUL-06	WYA	R419767		
Conductivity (EC)	2020	0.2	uS/cm	14-JUL-06	PTT	R419509		
Nitrate-N	20.8	0.1	mg/L	17-JUL-06	SHC	R419815		
Nitrite-N	0.96	0.05	mg/L	17-JUL-06	SHC	R419815		
Sulphate (SO4)	106	0.5	mg/L	17-JUL-06	JWU	R418352		
Total Suspended Solids	4	3	mg/L	14-JUL-06	SVG	R419625		
pH	7.8	0.1	pH	14-JUL-06	PTT	R419509		
L410524-3	200-4							
Sampled By:	NOT PROVIDED on 12-JUL-06							
Matrix:	WATER							
Hardness								
Calcium (Ca)	22.1	0.5	mg/L	14-JUL-06	MLH	R419519		
Hardness (as CaCO3)	72		mg/L	17-JUL-06				
Magnesium (Mg)	4.1	0.1	mg/L	14-JUL-06	MLH	R419519		
Dissolved Metals - CCME								
Dissolved Major Metals								
Calcium (Ca)	21.4	0.5	mg/L	13-JUL-06	HAS	R419575		
Potassium (K)	2.3	0.1	mg/L	13-JUL-06	HAS	R419575		
Magnesium (Mg)	3.96	0.01	mg/L	13-JUL-06	HAS	R419575		
Sodium (Na)	53.0	0.5	mg/L	13-JUL-06	HAS	R419575		
Iron (Fe)	0.025	0.005	mg/L	13-JUL-06	HAS	R419575		
Manganese (Mn)	0.026	0.001	mg/L	13-JUL-06	HAS	R419575		
Dissolved Trace Metals								
Silver (Ag)	<0.0001	0.0001	mg/L	17-JUL-06	QLI	R420557		
Aluminum (Al)	0.01	0.01	mg/L	17-JUL-06	QLI	R420557		
Arsenic (As)	<0.0004	0.0004	mg/L	17-JUL-06	QLI	R420557		
Boron (B)	<0.05	0.05	mg/L	17-JUL-06	QLI	R420557		
Barium (Ba)	0.027	0.003	mg/L	17-JUL-06	QLI	R420557		
Beryllium (Be)	<0.001	0.001	mg/L	17-JUL-06	QLI	R420557		
Cadmium (Cd)	<0.0001	0.0001	mg/L	17-JUL-06	QLI	R420557		
Cobalt (Co)	<0.002	0.002	mg/L	17-JUL-06	QLI	R420557		
Chromium (Cr)	<0.005	0.005	mg/L	17-JUL-06	QLI	R420557		
Copper (Cu)	0.001	0.001	mg/L	17-JUL-06	QLI	R420557		
Mercury (Hg)	<0.0001	0.0001	mg/L	17-JUL-06	QLI	R420557		
Lithium (Li)	<0.003	0.003	mg/L	17-JUL-06	QLI	R420557		
Molybdenum (Mo)	<0.005	0.005	mg/L	17-JUL-06	QLI	R420557		
Nickel (Ni)	0.002	0.002	mg/L	17-JUL-06	QLI	R420557		
Lead (Pb)	<0.0001	0.0001	mg/L	17-JUL-06	QLI	R420557		
Antimony (Sb)	0.0006	0.0004	mg/L	17-JUL-06	QLI	R420557		
Selenium (Se)	<0.0004	0.0004	mg/L	17-JUL-06	QLI	R420557		
Tin (Sn)	<0.05	0.05	mg/L	17-JUL-06	QLI	R420557		
Titanium (Ti)	<0.001	0.001	mg/L	17-JUL-06	QLI	R420557		
Thallium (Tl)	0.0002	0.0001	mg/L	17-JUL-06	QLI	R420557		
Uranium (U)	<0.0001	0.0001	mg/L	17-JUL-06	QLI	R420557		
Vanadium (V)	0.002	0.001	mg/L	17-JUL-06	QLI	R420557		
Zinc (Zn)	0.006	0.002	mg/L	17-JUL-06	QLI	R420557		
Total Metals - CCME								
Total Major Metals								
Calcium (Ca)	20.5	0.5	mg/L	18-JUL-06	HAS	R421182		
Potassium (K)	2.1	0.1	mg/L	18-JUL-06	HAS	R421182		

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L410524-3	200-4						
Sampled By:	NOT PROVIDED on 12-JUL-06						
Matrix:	WATER						
Total Metals - CCME							
Total Major Metals							
Magnesium (Mg)	3.7	0.1	mg/L	18-JUL-06	HAS	R421182	
Sodium (Na)	52	1	mg/L	18-JUL-06	HAS	R421182	
Iron (Fe)	0.039	0.005	mg/L	18-JUL-06	HAS	R421182	
Manganese (Mn)	0.030	0.001	mg/L	18-JUL-06	HAS	R421182	
Total Trace Metals							
Silver (Ag)	<0.0004	0.0004	mg/L	19-JUL-06	QLI	R421833	
Aluminum (Al)	0.03	0.01	mg/L	19-JUL-06	QLI	R421833	
Arsenic (As)	<0.0004	0.0004	mg/L	19-JUL-06	QLI	R421833	
Boron (B)	<0.05	0.05	mg/L	19-JUL-06	QLI	R421833	
Barium (Ba)	0.027	0.003	mg/L	19-JUL-06	QLI	R421833	
Beryllium (Be)	<0.001	0.001	mg/L	19-JUL-06	QLI	R421833	
Cadmium (Cd)	<0.0002	0.0002	mg/L	19-JUL-06	QLI	R421833	
Cobalt (Co)	<0.002	0.002	mg/L	19-JUL-06	QLI	R421833	
Chromium (Cr)	<0.005	0.005	mg/L	19-JUL-06	QLI	R421833	
Copper (Cu)	0.002	0.001	mg/L	19-JUL-06	QLI	R421833	
Mercury (Hg)	<0.0002	0.0002	mg/L	19-JUL-06	QLI	R421833	
Lithium (Li)	<0.01	0.01	mg/L	19-JUL-06	QLI	R421833	
Molybdenum (Mo)	<0.005	0.005	mg/L	19-JUL-06	QLI	R421833	
Nickel (Ni)	0.002	0.002	mg/L	19-JUL-06	QLI	R421833	
Lead (Pb)	<0.0001	0.0001	mg/L	19-JUL-06	QLI	R421833	
Antimony (Sb)	<0.0004	0.0004	mg/L	19-JUL-06	QLI	R421833	
Selenium (Se)	0.0034	0.0004	mg/L	19-JUL-06	QLI	R421833	
Tin (Sn)	<0.05	0.05	mg/L	19-JUL-06	QLI	R421833	
Titanium (Ti)	<0.001	0.001	mg/L	19-JUL-06	QLI	R421833	
Thallium (Tl)	0.0002	0.0001	mg/L	19-JUL-06	QLI	R421833	
Uranium (U)	<0.0001	0.0001	mg/L	19-JUL-06	QLI	R421833	
Vanadium (V)	0.002	0.001	mg/L	19-JUL-06	QLI	R421833	
Zinc (Zn)	0.010	0.004	mg/L	19-JUL-06	QLI	R421833	
Alkalinity, Total (as CaCO ₃)	6	5	mg/L	14-JUL-06	PTT	R419509	
Ammonia-N	0.94	0.05	mg/L	14-JUL-06	LDC	R419622	
Chloride (Cl)	99	1	mg/L	14-JUL-06	WYA	R419767	
Conductivity (EC)	447	0.2	uS/cm	14-JUL-06	PTT	R419509	
Nitrate-N	4.3	0.1	mg/L	17-JUL-06	SHC	R419815	
Nitrite-N	<0.05	0.05	mg/L	17-JUL-06	SHC	R419815	
Sulphate (SO ₄)	2.8	0.5	mg/L	17-JUL-06	JWU	R418352	
Total Suspended Solids	<3	3	mg/L	14-JUL-06	SVG	R419625	
pH	7.0	0.1	pH	14-JUL-06	PTT	R419509	
L410524-4	200-5						
Sampled By:	NOT PROVIDED on 12-JUL-06						
Matrix:	WATER						
Hardness							
Calcium (Ca)	2.5	0.5	mg/L	14-JUL-06	MLH	R419519	
Hardness (as CaCO ₃)	11		mg/L	17-JUL-06			
Magnesium (Mg)	1.1	0.1	mg/L	14-JUL-06	MLH	R419519	
Dissolved Metals - CCME							
Dissolved Major Metals							
Calcium (Ca)	1.9	0.5	mg/L	13-JUL-06	HAS	R419575	
Potassium (K)	0.3	0.1	mg/L	13-JUL-06	HAS	R419575	

ALS LABORATORY GROUP ANALYTICAL REPORT

L410524-4 200-5

Sampled By: NOT PROVIDED on 12-JUL-06

Matrix: WATER

Dissolved Metals - CCME**Dissolved Major Metals**

Magnesium (Mg)	0.89	0.01	mg/L	13-JUL-06	HAS	R419575
Sodium (Na)	1.0	0.5	mg/L	13-JUL-06	HAS	R419575
Iron (Fe)	0.011	0.005	mg/L	13-JUL-06	HAS	R419575
Manganese (Mn)	0.002	0.001	mg/L	13-JUL-06	HAS	R419575

Dissolved Trace Metals

Silver (Ag)	<0.0001	0.0001	mg/L	17-JUL-06	QLI	R420557
Aluminum (Al)	0.02	0.01	mg/L	17-JUL-06	QLI	R420557
Arsenic (As)	<0.0004	0.0004	mg/L	17-JUL-06	QLI	R420557
Boron (B)	<0.05	0.05	mg/L	17-JUL-06	QLI	R420557
Barium (Ba)	<0.003	0.003	mg/L	17-JUL-06	QLI	R420557
Beryllium (Be)	<0.001	0.001	mg/L	17-JUL-06	QLI	R420557
Cadmium (Cd)	<0.0001	0.0001	mg/L	17-JUL-06	QLI	R420557
Cobalt (Co)	<0.002	0.002	mg/L	17-JUL-06	QLI	R420557
Chromium (Cr)	<0.005	0.005	mg/L	17-JUL-06	QLI	R420557
Copper (Cu)	0.002	0.001	mg/L	17-JUL-06	QLI	R420557
Mercury (Hg)	<0.0001	0.0001	mg/L	17-JUL-06	QLI	R420557
Lithium (Li)	<0.003	0.003	mg/L	17-JUL-06	QLI	R420557
Molybdenum (Mo)	<0.005	0.005	mg/L	17-JUL-06	QLI	R420557
Nickel (Ni)	<0.002	0.002	mg/L	17-JUL-06	QLI	R420557
Lead (Pb)	<0.0001	0.0001	mg/L	17-JUL-06	QLI	R420557
Antimony (Sb)	0.0006	0.0004	mg/L	17-JUL-06	QLI	R420557
Selenium (Se)	<0.0004	0.0004	mg/L	17-JUL-06	QLI	R420557
Tin (Sn)	<0.05	0.05	mg/L	17-JUL-06	QLI	R420557
Titanium (Ti)	<0.001	0.001	mg/L	17-JUL-06	QLI	R420557
Thallium (Tl)	0.0001	0.0001	mg/L	17-JUL-06	QLI	R420557
Uranium (U)	<0.0001	0.0001	mg/L	17-JUL-06	QLI	R420557
Vanadium (V)	<0.001	0.001	mg/L	17-JUL-06	QLI	R420557
Zinc (Zn)	0.003	0.002	mg/L	17-JUL-06	QLI	R420557

Total Metals - CCME**Total Major Metals**

Calcium (Ca)	2.2	0.5	mg/L	18-JUL-06	HAS	R421182
Potassium (K)	0.4	0.1	mg/L	18-JUL-06	HAS	R421182
Magnesium (Mg)	1.0	0.1	mg/L	18-JUL-06	HAS	R421182
Sodium (Na)	1	1	mg/L	18-JUL-06	HAS	R421182
Iron (Fe)	0.010	0.005	mg/L	18-JUL-06	HAS	R421182
Manganese (Mn)	0.002	0.001	mg/L	18-JUL-06	HAS	R421182

Total Trace Metals

Silver (Ag)	<0.0004	0.0004	mg/L	17-JUL-06	QLI	R420556
Aluminum (Al)	0.02	0.01	mg/L	17-JUL-06	QLI	R420556
Arsenic (As)	<0.0004	0.0004	mg/L	17-JUL-06	QLI	R420556
Boron (B)	<0.05	0.05	mg/L	17-JUL-06	QLI	R420556
Barium (Ba)	<0.003	0.003	mg/L	17-JUL-06	QLI	R420556
Beryllium (Be)	<0.001	0.001	mg/L	17-JUL-06	QLI	R420556
Cadmium (Cd)	<0.0002	0.0002	mg/L	17-JUL-06	QLI	R420556
Cobalt (Co)	<0.002	0.002	mg/L	17-JUL-06	QLI	R420556
Chromium (Cr)	<0.005	0.005	mg/L	17-JUL-06	QLI	R420556
Copper (Cu)	0.002	0.001	mg/L	17-JUL-06	QLI	R420556
Mercury (Hg)	<0.0002	0.0002	mg/L	17-JUL-06	QLI	R420556
Lithium (Li)	<0.01	0.01	mg/L	17-JUL-06	QLI	R420556
Molybdenum (Mo)	<0.005	0.005	mg/L	17-JUL-06	QLI	R420556
Nickel (Ni)	<0.002	0.002	mg/L	17-JUL-06	QLI	R420556

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L410524-4 200-5
 Sampled By: NOT PROVIDED on 12-JUL-06
 Matrix: WATER

Total Metals - CCME**Total Trace Metals**

Lead (Pb)	<0.0001	0.0001	mg/L	17-JUL-06	QLI	R420556
Antimony (Sb)	<0.0004	0.0004	mg/L	17-JUL-06	QLI	R420556
Selenium (Se)	<0.0004	0.0004	mg/L	17-JUL-06	QLI	R420556
Tin (Sn)	<0.05	0.05	mg/L	17-JUL-06	QLI	R420556
Titanium (Ti)	<0.001	0.001	mg/L	17-JUL-06	QLI	R420556
Thallium (Tl)	<0.0001	0.0001	mg/L	17-JUL-06	QLI	R420556
Uranium (U)	<0.0001	0.0001	mg/L	17-JUL-06	QLI	R420556
Vanadium (V)	<0.001	0.001	mg/L	17-JUL-06	QLI	R420556
Zinc (Zn)	0.005	0.004	mg/L	17-JUL-06	QLI	R420556
Alkalinity, Total (as CaCO3)	<5	5	mg/L	14-JUL-06	PTT	R419509
Ammonia-N	<0.05	0.05	mg/L	14-JUL-06	LDC	R419622
Chloride (Cl)	3	1	mg/L	14-JUL-06	WYA	R419767
Conductivity (EC)	30.6	0.2	uS/cm	14-JUL-06	PTT	R419509
Nitrate-N	<0.1	0.1	mg/L	17-JUL-06	SHC	R419815
Nitrite-N	<0.05	0.05	mg/L	17-JUL-06	SHC	R419815
Sulphate (SO4)	<0.5	0.5	mg/L	17-JUL-06	JWU	R418352
Total Suspended Solids	<3	3	mg/L	14-JUL-06	SVG	R419625
pH	6.9	0.1	pH	14-JUL-06	PTT	R419509

L410524-5 200-5A
 Sampled By: NOT PROVIDED on 12-JUL-06
 Matrix: WATER

Hardness

Calcium (Ca)	20.0	0.5	mg/L	14-JUL-06	MLH	R419519
Hardness (as CaCO3)	70		mg/L	17-JUL-06		
Magnesium (Mg)	4.9	0.1	mg/L	14-JUL-06	MLH	R419519

Dissolved Metals - CCME**Dissolved Major Metals**

Calcium (Ca)	17.6	0.5	mg/L	13-JUL-06	HAS	R419575
Potassium (K)	1.7	0.1	mg/L	13-JUL-06	HAS	R419575
Magnesium (Mg)	4.17	0.01	mg/L	13-JUL-06	HAS	R419575
Sodium (Na)	39.9	0.5	mg/L	13-JUL-06	HAS	R419575
Iron (Fe)	0.011	0.005	mg/L	13-JUL-06	HAS	R419575
Manganese (Mn)	0.025	0.001	mg/L	13-JUL-06	HAS	R419575

Dissolved Trace Metals

Silver (Ag)	<0.0001	0.0001	mg/L	17-JUL-06	QLI	R420557
Aluminum (Al)	0.10	0.01	mg/L	13-JUL-06	HAS	R419575
Arsenic (As)	0.0007	0.0004	mg/L	17-JUL-06	QLI	R420557
Boron (B)	<0.05	0.05	mg/L	17-JUL-06	QLI	R420557
Barium (Ba)	0.059	0.003	mg/L	17-JUL-06	QLI	R420557
Beryllium (Be)	<0.001	0.001	mg/L	17-JUL-06	QLI	R420557
Cadmium (Cd)	0.0003	0.0001	mg/L	17-JUL-06	QLI	R420557
Cobalt (Co)	<0.002	0.002	mg/L	17-JUL-06	QLI	R420557
Chromium (Cr)	<0.005	0.005	mg/L	17-JUL-06	QLI	R420557
Copper (Cu)	0.001	0.001	mg/L	17-JUL-06	QLI	R420557
Mercury (Hg)	<0.0001	0.0001	mg/L	17-JUL-06	QLI	R420557
Lithium (Li)	<0.003	0.003	mg/L	17-JUL-06	QLI	R420557
Molybdenum (Mo)	<0.005	0.005	mg/L	17-JUL-06	QLI	R420557
Nickel (Ni)	0.004	0.002	mg/L	17-JUL-06	QLI	R420557

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L410524-5	200-5A						
Sampled By:	NOT PROVIDED on 12-JUL-06						
Matrix:	WATER						
Dissolved Metals - CCME							
Dissolved Trace Metals							
Lead (Pb)	<0.0001	0.0001	mg/L	17-JUL-06	QLI	R420557	
Antimony (Sb)	0.0007	0.0004	mg/L	17-JUL-06	QLI	R420557	
Selenium (Se)	<0.0004	0.0004	mg/L	17-JUL-06	QLI	R420557	
Tin (Sn)	<0.05	0.05	mg/L	17-JUL-06	QLI	R420557	
Titanium (Ti)	<0.001	0.001	mg/L	17-JUL-06	QLI	R420557	
Thallium (Tl)	0.0001	0.0001	mg/L	17-JUL-06	QLI	R420557	
Uranium (U)	0.0002	0.0001	mg/L	17-JUL-06	QLI	R420557	
Vanadium (V)	0.002	0.001	mg/L	17-JUL-06	QLI	R420557	
Zinc (Zn)	0.019	0.002	mg/L	17-JUL-06	QLI	R420557	
Total Metals - CCME							
Total Major Metals							
Calcium (Ca)	18.7	0.5	mg/L	18-JUL-06	HAS	R421182	
Potassium (K)	1.7	0.1	mg/L	18-JUL-06	HAS	R421182	
Magnesium (Mg)	4.4	0.1	mg/L	18-JUL-06	HAS	R421182	
Sodium (Na)	43	1	mg/L	18-JUL-06	HAS	R421182	
Iron (Fe)	0.017	0.005	mg/L	18-JUL-06	HAS	R421182	
Manganese (Mn)	0.028	0.001	mg/L	18-JUL-06	HAS	R421182	
Total Trace Metals							
Silver (Ag)	<0.0004	0.0004	mg/L	19-JUL-06	QLI	R421833	
Aluminum (Al)	0.12	0.01	mg/L	13-JUL-06	HAS	R421182	
Arsenic (As)	<0.0004	0.0004	mg/L	19-JUL-06	QLI	R421833	
Boron (B)	<0.05	0.05	mg/L	19-JUL-06	QLI	R421833	
Barium (Ba)	0.057	0.003	mg/L	19-JUL-06	QLI	R421833	
Beryllium (Be)	<0.001	0.001	mg/L	19-JUL-06	QLI	R421833	
Cadmium (Cd)	0.0002	0.0002	mg/L	19-JUL-06	QLI	R421833	
Cobalt (Co)	<0.002	0.002	mg/L	19-JUL-06	QLI	R421833	
Chromium (Cr)	<0.005	0.005	mg/L	19-JUL-06	QLI	R421833	
Copper (Cu)	0.001	0.001	mg/L	19-JUL-06	QLI	R421833	
Mercury (Hg)	<0.0002	0.0002	mg/L	19-JUL-06	QLI	R421833	
Lithium (Li)	<0.01	0.01	mg/L	19-JUL-06	QLI	R421833	
Molybdenum (Mo)	<0.005	0.005	mg/L	19-JUL-06	QLI	R421833	
Nickel (Ni)	0.004	0.002	mg/L	19-JUL-06	QLI	R421833	
Lead (Pb)	<0.0001	0.0001	mg/L	19-JUL-06	QLI	R421833	
Antimony (Sb)	<0.0004	0.0004	mg/L	19-JUL-06	QLI	R421833	
Selenium (Se)	0.0035	0.0004	mg/L	19-JUL-06	QLI	R421833	
Tin (Sn)	<0.05	0.05	mg/L	19-JUL-06	QLI	R421833	
Titanium (Ti)	<0.001	0.001	mg/L	19-JUL-06	QLI	R421833	
Thallium (Tl)	0.0003	0.0001	mg/L	19-JUL-06	QLI	R421833	
Uranium (U)	0.0002	0.0001	mg/L	19-JUL-06	QLI	R421833	
Vanadium (V)	0.003	0.001	mg/L	19-JUL-06	QLI	R421833	
Zinc (Zn)	0.015	0.004	mg/L	19-JUL-06	QLI	R421833	
Alkalinity, Total (as CaCO3)							
Alkalinity, Total (as CaCO3)	<5	5	mg/L	14-JUL-06	PTT	R419509	
Ammonia-N	0.08	0.05	mg/L	14-JUL-06	LDC	R419622	
Chloride (Cl)	91	1	mg/L	14-JUL-06	WYA	R419767	
Conductivity (EC)	400	0.2	uS/cm	14-JUL-06	PTT	R419509	
Nitrate-N	4.2	0.1	mg/L	17-JUL-06	SHC	R419815	
Nitrite-N	<0.05	0.05	mg/L	17-JUL-06	SHC	R419815	
Sulphate (SO4)	2.5	0.5	mg/L	17-JUL-06	JWU	R418352	
Total Suspended Solids	<3	3	mg/L	14-JUL-06	SVG	R419625	

ALS LABORATORY GROUP ANALYTICAL REPORT

L410524-5	200-5A								
Sampled By:	NOT PROVIDED on 12-JUL-06								
Matrix:	WATER								
pH	6.5	0.1	pH	14-JUL-06	PTT	R419509			
* 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:

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		

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.



PRELIMINARY RESULTS

WOLFEN RESOURCES INC.

ATTN: DAVE STEVENSON

Reported On: 01-AUG-06 06:34 PM

401 - 1113 JADE COURT

THUNDER BAY ON P7B 6M7

Project P.O. #:

Job Reference:

Legal Site Desc:

CofC Numbers: 260922

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

L413573-1	200-2								
Sampled By:	DBS on 19-JUL-06 @ 10:00								
Matrix:	WATER								
Hardness									
Calcium (Ca)	4.4	0.5	mg/L	24-JUL-06	EOC	R422834			
Hardness (as CaCO ₃)	15		mg/L	25-JUL-06					
Magnesium (Mg)	0.9	0.1	mg/L	24-JUL-06	EOC	R422834			
Dissolved Metals - CCME									
Dissolved Major Metals									
Calcium (Ca)	3.8	0.5	mg/L	28-JUL-06	DDN	R424412			
Potassium (K)	0.6	0.1	mg/L	28-JUL-06	DDN	R424412			
Magnesium (Mg)	0.74	0.01	mg/L	28-JUL-06	DDN	R424412			
Sodium (Na)	15.4	0.5	mg/L	28-JUL-06	DDN	R424412			
Iron (Fe)	<0.005	0.005	mg/L	28-JUL-06	DDN	R424412			
Manganese (Mn)	0.015	0.001	mg/L	28-JUL-06	DDN	R424412			
Dissolved Trace Metals									
Silver (Ag)	<0.0001	0.0001	mg/L	24-JUL-06	QLI	R423035			
Aluminum (Al)	0.04	0.01	mg/L	24-JUL-06	QLI	R423035			
Arsenic (As)	0.0010	0.0004	mg/L	24-JUL-06	QLI	R423035			
Boron (B)	<0.05	0.05	mg/L	24-JUL-06	QLI	R423035			
Barium (Ba)	<0.003	0.003	mg/L	24-JUL-06	QLI	R423035			
Beryllium (Be)	<0.001	0.001	mg/L	24-JUL-06	QLI	R423035			
Cadmium (Cd)	0.0002	0.0001	mg/L	24-JUL-06	QLI	R423035			
Cobalt (Co)	<0.002	0.002	mg/L	24-JUL-06	QLI	R423035			
Chromium (Cr)	<0.005	0.005	mg/L	24-JUL-06	QLI	R423035			
Copper (Cu)	0.003	0.001	mg/L	24-JUL-06	QLI	R423035			
Mercury (Hg)	<0.0001	0.0001	mg/L	24-JUL-06	QLI	R423035			
Lithium (Li)	<0.003	0.003	mg/L	24-JUL-06	QLI	R423035			
Molybdenum (Mo)	<0.005	0.005	mg/L	24-JUL-06	QLI	R423035			
Nickel (Ni)	<0.002	0.002	mg/L	24-JUL-06	QLI	R423035			
Lead (Pb)	0.0003	0.0001	mg/L	24-JUL-06	QLI	R423035			
Antimony (Sb)	0.0009	0.0004	mg/L	24-JUL-06	QLI	R423035			
Selenium (Se)	<0.0004	0.0004	mg/L	24-JUL-06	QLI	R423035			
Tin (Sn)	<0.05	0.05	mg/L	24-JUL-06	QLI	R423035			
Titanium (Ti)	0.001	0.001	mg/L	24-JUL-06	QLI	R423035			
Thallium (Tl)	<0.0001	0.0001	mg/L	24-JUL-06	QLI	R423035			
Uranium (U)	<0.0001	0.0001	mg/L	24-JUL-06	QLI	R423035			
Vanadium (V)	<0.001	0.001	mg/L	24-JUL-06	QLI	R423035			
Zinc (Zn)	0.039	0.002	mg/L	24-JUL-06	QLI	R423035			
Total Metals - CCME									
Total Major Metals									
Calcium (Ca)	3.8	0.5	mg/L	24-JUL-06	SYF	R423026			
Potassium (K)	0.6	0.1	mg/L	24-JUL-06	SYF	R423026			
Magnesium (Mg)	1.0	0.1	mg/L	24-JUL-06	SYF	R423026			
Sodium (Na)	16	1	mg/L	24-JUL-06	SYF	R423026			
Iron (Fe)	0.907	0.005	mg/L	24-JUL-06	SYF	R423026			
Manganese (Mn)	0.023	0.001	mg/L	24-JUL-06	SYF	R423026			
Total Trace Metals									
Silver (Ag)	<0.0004	0.0004	mg/L	24-JUL-06	QLI	R423033			
Aluminum (Al)	0.51	0.01	mg/L	24-JUL-06	QLI	R423033			
Arsenic (As)	0.0031	0.0004	mg/L	24-JUL-06	QLI	R423033			
Boron (B)	<0.05	0.05	mg/L	24-JUL-06	QLI	R423033			
Barium (Ba)	0.006	0.003	mg/L	24-JUL-06	QLI	R423033			
Beryllium (Be)	<0.001	0.001	mg/L	24-JUL-06	QLI	R423033			
Cadmium (Cd)	0.0002	0.0002	mg/L	24-JUL-06	QLI	R423033			
Cobalt (Co)	<0.002	0.002	mg/L	24-JUL-06	QLI	R423033			

ALS LABORATORY GROUP ANALYTICAL REPORT

L413573-1 200-2 Sampled By: DBS on 19-JUL-06 @ 10:00 Matrix: WATER Total Metals - CCME Total Trace Metals							
Chromium (Cr)	<0.005	0.005	mg/L	24-JUL-06	QLI	R423033	
Copper (Cu)	0.016	0.001	mg/L	24-JUL-06	QLI	R423033	
Mercury (Hg)	<0.0002	0.0002	mg/L	24-JUL-06	QLI	R423033	
Lithium (Li)	<0.01	0.01	mg/L	24-JUL-06	QLI	R423033	
Molybdenum (Mo)	<0.005	0.005	mg/L	24-JUL-06	QLI	R423033	
Nickel (Ni)	<0.002	0.002	mg/L	24-JUL-06	QLI	R423033	
Lead (Pb)	0.0030	0.0001	mg/L	24-JUL-06	QLI	R423033	
Antimony (Sb)	0.0010	0.0004	mg/L	24-JUL-06	QLI	R423033	
Selenium (Se)	0.0008	0.0004	mg/L	24-JUL-06	QLI	R423033	
Tin (Sn)	<0.05	0.05	mg/L	24-JUL-06	QLI	R423033	
Titanium (Ti)	0.038	0.001	mg/L	24-JUL-06	QLI	R423033	
Thallium (Tl)	0.0002	0.0001	mg/L	24-JUL-06	QLI	R423033	
Uranium (U)	0.0002	0.0001	mg/L	24-JUL-06	QLI	R423033	
Vanadium (V)	0.002	0.001	mg/L	24-JUL-06	QLI	R423033	
Zinc (Zn)	0.046	0.004	mg/L	24-JUL-06	QLI	R423033	
Alkalinity, Total (as CaCO ₃)	<5	5	mg/L	24-JUL-06	PTT	R422809	
Ammonia-N	2.37	0.05	mg/L	25-JUL-06	LDC	R423262	
Chloride (Cl)	27	1	mg/L	24-JUL-06	WYA	R422947	
Conductivity (EC)	142	0.2	uS/cm	24-JUL-06	PTT	R422809	
Nitrate-N	2.4	0.1	mg/L	24-JUL-06	SHC	R423242	
Nitrite-N	0.39	0.05	mg/L	24-JUL-06	SHC	R423242	
Sulphate (SO ₄)	252	0.5	mg/L	25-JUL-06	JTV	R424289	
Total Suspended Solids	9	3	mg/L	25-JUL-06	SVG	R423328	
pH	6.8	0.1	pH	24-JUL-06	PTT	R422809	
L413573-2 200-3 Sampled By: DBS on 19-JUL-06 @ 09:00 Matrix: WATER Hardness							
Calcium (Ca)	105	0.5	mg/L	24-JUL-06	EOC	R422834	
Hardness (as CaCO ₃)	340		mg/L	25-JUL-06			
Magnesium (Mg)	18.8	0.1	mg/L	24-JUL-06	EOC	R422834	
Dissolved Metals - CCME Dissolved Major Metals							
Calcium (Ca)	101	0.5	mg/L	28-JUL-06	DDN	R424412	
Potassium (K)	14.4	0.1	mg/L	28-JUL-06	DDN	R424412	
Magnesium (Mg)	16.8	0.01	mg/L	28-JUL-06	DDN	R424412	
Sodium (Na)	430	0.5	mg/L	28-JUL-06	DDN	R424412	
Iron (Fe)	<0.005	0.005	mg/L	28-JUL-06	DDN	R424412	
Manganese (Mn)	0.557	0.001	mg/L	28-JUL-06	DDN	R424412	
Dissolved Trace Metals							
Silver (Ag)	<0.0001	0.0001	mg/L	24-JUL-06	QLI	R423035	
Aluminum (Al)	0.03	0.01	mg/L	24-JUL-06	QLI	R423035	
Arsenic (As)	0.0012	0.0004	mg/L	24-JUL-06	QLI	R423035	
Boron (B)	0.06	0.05	mg/L	24-JUL-06	QLI	R423035	
Barium (Ba)	0.104	0.003	mg/L	24-JUL-06	QLI	R423035	
Beryllium (Be)	<0.001	0.001	mg/L	24-JUL-06	QLI	R423035	
Cadmium (Cd)	0.0008	0.0001	mg/L	24-JUL-06	QLI	R423035	
Cobalt (Co)	0.003	0.002	mg/L	24-JUL-06	QLI	R423035	

ALS LABORATORY GROUP ANALYTICAL REPORT

L413573-2 200-3

Sampled By: DBS on 19-JUL-06 @ 09:00

Matrix: WATER

Dissolved Metals - CCME**Dissolved Trace Metals**

Chromium (Cr)	<0.005	0.005	mg/L	24-JUL-06	QLI	R423035
Copper (Cu)	0.005	0.001	mg/L	24-JUL-06	QLI	R423035
Mercury (Hg)	<0.0001	0.0001	mg/L	24-JUL-06	QLI	R423035
Lithium (Li)	0.006	0.003	mg/L	24-JUL-06	QLI	R423035
Molybdenum (Mo)	<0.005	0.005	mg/L	24-JUL-06	QLI	R423035
Nickel (Ni)	0.014	0.002	mg/L	24-JUL-06	QLI	R423035
Lead (Pb)	0.0001	0.0001	mg/L	24-JUL-06	QLI	R423035
Antimony (Sb)	0.0014	0.0004	mg/L	24-JUL-06	QLI	R423035
Selenium (Se)	0.0194	0.0004	mg/L	24-JUL-06	QLI	R423035
Tin (Sn)	<0.05	0.05	mg/L	24-JUL-06	QLI	R423035
Titanium (Ti)	0.001	0.001	mg/L	24-JUL-06	QLI	R423035
Thallium (Tl)	0.0001	0.0001	mg/L	24-JUL-06	QLI	R423035
Uranium (U)	0.0010	0.0001	mg/L	24-JUL-06	QLI	R423035
Vanadium (V)	0.007	0.001	mg/L	24-JUL-06	QLI	R423035
Zinc (Zn)	0.014	0.002	mg/L	24-JUL-06	QLI	R423035

Total Metals - CCME**Total Major Metals**

Calcium (Ca)	98.8	0.5	mg/L	24-JUL-06	SYF	R423026
Potassium (K)	14.2	0.1	mg/L	24-JUL-06	SYF	R423026
Magnesium (Mg)	16.3	0.1	mg/L	24-JUL-06	SYF	R423026
Sodium (Na)	446	1	mg/L	24-JUL-06	SYF	R423026
Iron (Fe)	0.177	0.005	mg/L	24-JUL-06	SYF	R423026
Manganese (Mn)	0.545	0.001	mg/L	24-JUL-06	SYF	R423026

Total Trace Metals

Silver (Ag)	<0.0004	0.0004	mg/L	24-JUL-06	QLI	R423033
Aluminum (Al)	0.08	0.01	mg/L	24-JUL-06	QLI	R423033
Arsenic (As)	0.0018	0.0004	mg/L	24-JUL-06	QLI	R423033
Boron (B)	0.06	0.05	mg/L	24-JUL-06	QLI	R423033
Barium (Ba)	0.112	0.003	mg/L	24-JUL-06	QLI	R423033
Beryllium (Be)	<0.001	0.001	mg/L	24-JUL-06	QLI	R423033
Cadmium (Cd)	0.0008	0.0002	mg/L	24-JUL-06	QLI	R423033
Cobalt (Co)	0.003	0.002	mg/L	24-JUL-06	QLI	R423033
Chromium (Cr)	<0.005	0.005	mg/L	24-JUL-06	QLI	R423033
Copper (Cu)	0.006	0.001	mg/L	24-JUL-06	QLI	R423033
Mercury (Hg)	<0.0002	0.0002	mg/L	24-JUL-06	QLI	R423033
Lithium (Li)	<0.01	0.01	mg/L	24-JUL-06	QLI	R423033
Molybdenum (Mo)	<0.005	0.005	mg/L	24-JUL-06	QLI	R423033
Nickel (Ni)	0.008	0.002	mg/L	24-JUL-06	QLI	R423033
Lead (Pb)	0.0003	0.0001	mg/L	24-JUL-06	QLI	R423033
Antimony (Sb)	0.0013	0.0004	mg/L	24-JUL-06	QLI	R423033
Selenium (Se)	0.0157	0.0004	mg/L	24-JUL-06	QLI	R423033
Tin (Sn)	<0.05	0.05	mg/L	24-JUL-06	QLI	R423033
Titanium (Ti)	0.006	0.001	mg/L	24-JUL-06	QLI	R423033
Thallium (Tl)	0.0006	0.0001	mg/L	24-JUL-06	QLI	R423033
Uranium (U)	0.0009	0.0001	mg/L	24-JUL-06	QLI	R423033
Vanadium (V)	0.006	0.001	mg/L	24-JUL-06	QLI	R423033
Zinc (Zn)	0.016	0.004	mg/L	24-JUL-06	QLI	R423033

Alkalinity, Total (as CaCO3)

50

5

mg/L

24-JUL-06

PTT

R422809

Ammonia-N

40.9

0.05

mg/L

25-JUL-06

LDC

R423262

ALS LABORATORY GROUP ANALYTICAL REPORT

L413573-2	200-3								
Sampled By:	DBS on 19-JUL-06 @ 09:00								
Matrix:	WATER								
Chloride (Cl)	796	1	mg/L	24-JUL-06	WYA	R422947			
Conductivity (EC)	3120	0.2	uS/cm	24-JUL-06	PTT	R422809			
Nitrate-N	43.2	0.1	mg/L	24-JUL-06	SHC	R423242			
Nitrite-N	2.81	0.05	mg/L	24-JUL-06	SHC	R423242			
Sulphate (SO4)	6.9	0.5	mg/L	25-JUL-06	JTV	R424289			
Total Suspended Solids	<3	3	mg/L	25-JUL-06	SVG	R423328			
pH	7.6	0.1	pH	24-JUL-06	PTT	R422809			
L413573-3	200-4								
Sampled By:	DBS on 19-JUL-06 @ 09:15								
Matrix:	WATER								
Hardness									
Calcium (Ca)	22.3	0.5	mg/L	24-JUL-06	EOC	R422834			
Hardness (as CaCO3)	74		mg/L	25-JUL-06					
Magnesium (Mg)	4.4	0.1	mg/L	24-JUL-06	EOC	R422834			
Dissolved Metals - CCME									
Dissolved Major Metals									
Calcium (Ca)	21.9	0.5	mg/L	28-JUL-06	DDN	R424412			
Potassium (K)	2.4	0.1	mg/L	28-JUL-06	DDN	R424412			
Magnesium (Mg)	3.98	0.01	mg/L	28-JUL-06	DDN	R424412			
Sodium (Na)	57.2	0.5	mg/L	28-JUL-06	DDN	R424412			
Iron (Fe)	0.008	0.005	mg/L	28-JUL-06	DDN	R424412			
Manganese (Mn)	0.042	0.001	mg/L	28-JUL-06	DDN	R424412			
Dissolved Trace Metals									
Silver (Ag)	<0.0001	0.0001	mg/L	24-JUL-06	QLI	R423035			
Aluminum (Al)	0.01	0.01	mg/L	24-JUL-06	QLI	R423035			
Arsenic (As)	<0.0004	0.0004	mg/L	24-JUL-06	QLI	R423035			
Boron (B)	<0.05	0.05	mg/L	24-JUL-06	QLI	R423035			
Barium (Ba)	0.031	0.003	mg/L	24-JUL-06	QLI	R423035			
Beryllium (Be)	<0.001	0.001	mg/L	24-JUL-06	QLI	R423035			
Cadmium (Cd)	<0.0001	0.0001	mg/L	24-JUL-06	QLI	R423035			
Cobalt (Co)	<0.002	0.002	mg/L	24-JUL-06	QLI	R423035			
Chromium (Cr)	<0.005	0.005	mg/L	24-JUL-06	QLI	R423035			
Copper (Cu)	0.002	0.001	mg/L	24-JUL-06	QLI	R423035			
Mercury (Hg)	<0.0001	0.0001	mg/L	24-JUL-06	QLI	R423035			
Lithium (Li)	<0.003	0.003	mg/L	24-JUL-06	QLI	R423035			
Molybdenum (Mo)	<0.005	0.005	mg/L	24-JUL-06	QLI	R423035			
Nickel (Ni)	0.003	0.002	mg/L	24-JUL-06	QLI	R423035			
Lead (Pb)	<0.0001	0.0001	mg/L	24-JUL-06	QLI	R423035			
Antimony (Sb)	0.0010	0.0004	mg/L	24-JUL-06	QLI	R423035			
Selenium (Se)	<0.0004	0.0004	mg/L	24-JUL-06	QLI	R423035			
Tin (Sn)	<0.05	0.05	mg/L	24-JUL-06	QLI	R423035			
Titanium (Ti)	<0.001	0.001	mg/L	24-JUL-06	QLI	R423035			
Thallium (Tl)	<0.0001	0.0001	mg/L	24-JUL-06	QLI	R423035			
Uranium (U)	<0.0001	0.0001	mg/L	24-JUL-06	QLI	R423035			
Vanadium (V)	0.002	0.001	mg/L	24-JUL-06	QLI	R423035			
Zinc (Zn)	0.010	0.002	mg/L	24-JUL-06	QLI	R423035			
Total Metals - CCME									
Total Major Metals									
Calcium (Ca)	21.2	0.5	mg/L	24-JUL-06	SYF	R423026			
Potassium (K)	2.3	0.1	mg/L	24-JUL-06	SYF	R423026			

ALS LABORATORY GROUP ANALYTICAL REPORT

L413573-3 200-4

Sampled By: DBS on 19-JUL-06 @ 09:15

Matrix: WATER

Total Metals - CCME**Total Major Metals**

Magnesium (Mg)	3.9	0.1	mg/L	24-JUL-06	SYF	R423026
Sodium (Na)	57	1	mg/L	24-JUL-06	SYF	R423026
Iron (Fe)	0.064	0.005	mg/L	24-JUL-06	SYF	R423026
Manganese (Mn)	0.053	0.001	mg/L	24-JUL-06	SYF	R423026

Total Trace Metals

Silver (Ag)	<0.0004	0.0004	mg/L	24-JUL-06	QLI	R423033
Aluminum (Al)	0.04	0.01	mg/L	24-JUL-06	QLI	R423033
Arsenic (As)	<0.0004	0.0004	mg/L	24-JUL-06	QLI	R423033
Boron (B)	<0.05	0.05	mg/L	24-JUL-06	QLI	R423033
Barium (Ba)	0.034	0.003	mg/L	24-JUL-06	QLI	R423033
Beryllium (Be)	<0.001	0.001	mg/L	24-JUL-06	QLI	R423033
Cadmium (Cd)	<0.0002	0.0002	mg/L	24-JUL-06	QLI	R423033
Cobalt (Co)	<0.002	0.002	mg/L	24-JUL-06	QLI	R423033
Chromium (Cr)	<0.005	0.005	mg/L	24-JUL-06	QLI	R423033
Copper (Cu)	0.002	0.001	mg/L	24-JUL-06	QLI	R423033
Mercury (Hg)	<0.0002	0.0002	mg/L	24-JUL-06	QLI	R423033
Lithium (Li)	<0.01	0.01	mg/L	24-JUL-06	QLI	R423033
Molybdenum (Mo)	<0.005	0.005	mg/L	24-JUL-06	QLI	R423033
Nickel (Ni)	0.003	0.002	mg/L	24-JUL-06	QLI	R423033
Lead (Pb)	<0.0001	0.0001	mg/L	24-JUL-06	QLI	R423033
Antimony (Sb)	0.0009	0.0004	mg/L	24-JUL-06	QLI	R423033
Selenium (Se)	0.0036	0.0004	mg/L	24-JUL-06	QLI	R423033
Tin (Sn)	<0.05	0.05	mg/L	24-JUL-06	QLI	R423033
Titanium (Ti)	<0.001	0.001	mg/L	24-JUL-06	QLI	R423033
Thallium (Tl)	0.0008	0.0001	mg/L	24-JUL-06	QLI	R423033
Uranium (U)	<0.0001	0.0001	mg/L	24-JUL-06	QLI	R423033
Vanadium (V)	0.002	0.001	mg/L	24-JUL-06	QLI	R423033
Zinc (Zn)	0.013	0.004	mg/L	24-JUL-06	QLI	R423033

Alkalinity, Total (as CaCO ₃)	5	5	mg/L	24-JUL-06	PTT	R422809
Ammonia-N	0.75	0.05	mg/L	25-JUL-06	LDC	R423262
Chloride (Cl)	106	1	mg/L	24-JUL-06	WYA	R422947
Conductivity (EC)	498	0.2	uS/cm	24-JUL-06	PTT	R422809
Nitrate-N	4.4	0.1	mg/L	24-JUL-06	SHC	R423242
Nitrite-N	<0.05	0.05	mg/L	24-JUL-06	SHC	R423242
Sulphate (SO ₄)	54.4	0.5	mg/L	25-JUL-06	JTV	R424289
Total Suspended Solids	<3	3	mg/L	25-JUL-06	SVG	R423328
pH	6.9	0.1	pH	24-JUL-06	PTT	R422809

L413573-4 200-5

Sampled By: DBS on 19-JUL-06 @ 09:30

Matrix: WATER

Hardness

Calcium (Ca)	2.3	0.5	mg/L	24-JUL-06	EOC	R422834
Hardness (as CaCO ₃)	10		mg/L	25-JUL-06		
Magnesium (Mg)	1.1	0.1	mg/L	24-JUL-06	EOC	R422834

Dissolved Metals - CCME**Dissolved Major Metals**

Calcium (Ca)	2.4	0.5	mg/L	28-JUL-06	DDN	R424412
Potassium (K)	0.5	0.1	mg/L	28-JUL-06	DDN	R424412

ALS LABORATORY GROUP ANALYTICAL REPORT

L413573-4 200-5

Sampled By: DBS on 19-JUL-06 @ 09:30

Matrix: WATER

Dissolved Metals - CCME**Dissolved Major Metals**

Magnesium (Mg)	1.06	0.01	mg/L	28-JUL-06	DDN	R424412
Sodium (Na)	1.4	0.5	mg/L	28-JUL-06	DDN	R424412
Iron (Fe)	<0.005	0.005	mg/L	28-JUL-06	DDN	R424412
Manganese (Mn)	0.001	0.001	mg/L	28-JUL-06	DDN	R424412

Dissolved Trace Metals

Silver (Ag)	<0.0001	0.0001	mg/L	24-JUL-06	QLI	R423035
Aluminum (Al)	0.02	0.01	mg/L	24-JUL-06	QLI	R423035
Arsenic (As)	<0.0004	0.0004	mg/L	24-JUL-06	QLI	R423035
Boron (B)	<0.05	0.05	mg/L	24-JUL-06	QLI	R423035
Barium (Ba)	<0.003	0.003	mg/L	24-JUL-06	QLI	R423035
Beryllium (Be)	<0.001	0.001	mg/L	24-JUL-06	QLI	R423035
Cadmium (Cd)	<0.0001	0.0001	mg/L	24-JUL-06	QLI	R423035
Cobalt (Co)	<0.002	0.002	mg/L	24-JUL-06	QLI	R423035
Chromium (Cr)	<0.005	0.005	mg/L	24-JUL-06	QLI	R423035
Copper (Cu)	0.002	0.001	mg/L	24-JUL-06	QLI	R423035
Mercury (Hg)	<0.0001	0.0001	mg/L	24-JUL-06	QLI	R423035
Lithium (Li)	<0.003	0.003	mg/L	24-JUL-06	QLI	R423035
Molybdenum (Mo)	<0.005	0.005	mg/L	24-JUL-06	QLI	R423035
Nickel (Ni)	<0.002	0.002	mg/L	24-JUL-06	QLI	R423035
Lead (Pb)	<0.0001	0.0001	mg/L	24-JUL-06	QLI	R423035
Antimony (Sb)	0.0009	0.0004	mg/L	24-JUL-06	QLI	R423035
Selenium (Se)	<0.0004	0.0004	mg/L	24-JUL-06	QLI	R423035
Tin (Sn)	<0.05	0.05	mg/L	24-JUL-06	QLI	R423035
Titanium (Ti)	<0.001	0.001	mg/L	24-JUL-06	QLI	R423035
Thallium (Tl)	<0.0001	0.0001	mg/L	24-JUL-06	QLI	R423035
Uranium (U)	<0.0001	0.0001	mg/L	24-JUL-06	QLI	R423035
Vanadium (V)	<0.001	0.001	mg/L	24-JUL-06	QLI	R423035
Zinc (Zn)	0.004	0.002	mg/L	24-JUL-06	QLI	R423035

Total Metals - CCME**Total Major Metals**

Calcium (Ca)	2.2	0.5	mg/L	24-JUL-06	SYF	R423026
Potassium (K)	0.5	0.1	mg/L	24-JUL-06	SYF	R423026
Magnesium (Mg)	1.0	0.1	mg/L	24-JUL-06	SYF	R423026
Sodium (Na)	1	1	mg/L	24-JUL-06	SYF	R423026
Iron (Fe)	0.020	0.005	mg/L	24-JUL-06	SYF	R423026
Manganese (Mn)	<0.001	0.001	mg/L	24-JUL-06	SYF	R423026

Total Trace Metals

Silver (Ag)	<0.0004	0.0004	mg/L	24-JUL-06	QLI	R423033
Aluminum (Al)	0.03	0.01	mg/L	24-JUL-06	QLI	R423033
Arsenic (As)	<0.0004	0.0004	mg/L	24-JUL-06	QLI	R423033
Boron (B)	<0.05	0.05	mg/L	24-JUL-06	QLI	R423033
Barium (Ba)	0.003	0.003	mg/L	24-JUL-06	QLI	R423033
Beryllium (Be)	<0.001	0.001	mg/L	24-JUL-06	QLI	R423033
Cadmium (Cd)	<0.0002	0.0002	mg/L	24-JUL-06	QLI	R423033
Cobalt (Co)	<0.002	0.002	mg/L	24-JUL-06	QLI	R423033
Chromium (Cr)	<0.005	0.005	mg/L	24-JUL-06	QLI	R423033
Copper (Cu)	0.002	0.001	mg/L	24-JUL-06	QLI	R423033
Mercury (Hg)	<0.0002	0.0002	mg/L	24-JUL-06	QLI	R423033
Lithium (Li)	<0.01	0.01	mg/L	24-JUL-06	QLI	R423033
Molybdenum (Mo)	<0.005	0.005	mg/L	24-JUL-06	QLI	R423033
Nickel (Ni)	<0.002	0.002	mg/L	24-JUL-06	QLI	R423033

ALS LABORATORY GROUP ANALYTICAL REPORT

L413573-4 200-5							
Sampled By: DBS on 19-JUL-06 @ 09:30							
Matrix: WATER							
Total Metals - CCME							
Total Trace Metals							
Lead (Pb)	<0.0001	0.0001	mg/L	24-JUL-06	QLI	R423033	
Antimony (Sb)	0.0009	0.0004	mg/L	24-JUL-06	QLI	R423033	
Selenium (Se)	<0.0004	0.0004	mg/L	24-JUL-06	QLI	R423033	
Tin (Sn)	<0.05	0.05	mg/L	24-JUL-06	QLI	R423033	
Titanium (Ti)	<0.001	0.001	mg/L	24-JUL-06	QLI	R423033	
Thallium (Tl)	<0.0001	0.0001	mg/L	24-JUL-06	QLI	R423033	
Uranium (U)	<0.0001	0.0001	mg/L	24-JUL-06	QLI	R423033	
Vanadium (V)	<0.001	0.001	mg/L	24-JUL-06	QLI	R423033	
Zinc (Zn)	0.007	0.004	mg/L	24-JUL-06	QLI	R423033	
Alkalinity, Total (as CaCO3)	<5	5	mg/L	24-JUL-06	PTT	R422809	
Ammonia-N	<0.05	0.05	mg/L	25-JUL-06	LDC	R423262	
Chloride (Cl)	3	1	mg/L	24-JUL-06	WYA	R422947	
Conductivity (EC)	31.9	0.2	uS/cm	24-JUL-06	PTT	R422809	
Nitrate-N	<0.1	0.1	mg/L	24-JUL-06	SHC	R423242	
Nitrite-N	<0.05	0.05	mg/L	24-JUL-06	SHC	R423242	
Sulphate (SO4)	50.2	0.5	mg/L	25-JUL-06	JTV	R424289	
Total Suspended Solids	<3	3	mg/L	25-JUL-06	SVG	R423328	
pH	6.8	0.1	pH	24-JUL-06	PTT	R422809	
L413573-5 200-5A							
Sampled By: DBS on 19-JUL-06 @ 09:45							
Matrix: WATER							
Hardness							
Calcium (Ca)	18.7	0.5	mg/L	24-JUL-06	EOC	R422834	
Hardness (as CaCO3)	67		mg/L	25-JUL-06			
Magnesium (Mg)	5.0	0.1	mg/L	24-JUL-06	EOC	R422834	
Dissolved Metals - CCME							
Dissolved Major Metals							
Calcium (Ca)	19.0	0.5	mg/L	28-JUL-06	DDN	R424412	
Potassium (K)	2.0	0.1	mg/L	28-JUL-06	DDN	R424412	
Magnesium (Mg)	4.76	0.01	mg/L	28-JUL-06	DDN	R424412	
Sodium (Na)	42.1	0.5	mg/L	28-JUL-06	DDN	R424412	
Iron (Fe)	0.011	0.005	mg/L	28-JUL-06	DDN	R424412	
Manganese (Mn)	0.029	0.001	mg/L	28-JUL-06	DDN	R424412	
Dissolved Trace Metals							
Silver (Ag)	<0.0001	0.0001	mg/L	24-JUL-06	QLI	R423035	
Aluminum (Al)	0.12	0.01	mg/L	24-JUL-06	QLI	R423035	
Arsenic (As)	<0.0004	0.0004	mg/L	24-JUL-06	QLI	R423035	
Boron (B)	<0.05	0.05	mg/L	24-JUL-06	QLI	R423035	
Barium (Ba)	0.053	0.003	mg/L	24-JUL-06	QLI	R423035	
Beryllium (Be)	<0.001	0.001	mg/L	24-JUL-06	QLI	R423035	
Cadmium (Cd)	0.0003	0.0001	mg/L	24-JUL-06	QLI	R423035	
Cobalt (Co)	<0.002	0.002	mg/L	24-JUL-06	QLI	R423035	
Chromium (Cr)	<0.005	0.005	mg/L	24-JUL-06	QLI	R423035	
Copper (Cu)	0.002	0.001	mg/L	24-JUL-06	QLI	R423035	
Mercury (Hg)	<0.0001	0.0001	mg/L	24-JUL-06	QLI	R423035	
Lithium (Li)	<0.003	0.003	mg/L	24-JUL-06	QLI	R423035	
Molybdenum (Mo)	<0.005	0.005	mg/L	24-JUL-06	QLI	R423035	
Nickel (Ni)	0.005	0.002	mg/L	24-JUL-06	QLI	R423035	

ALS LABORATORY GROUP ANALYTICAL REPORT

L413573-5 200-5A

Sampled By: DBS on 19-JUL-06 @ 09:45

Matrix: WATER

Dissolved Metals - CCME**Dissolved Trace Metals**

Lead (Pb)	<0.0001	0.0001	mg/L	24-JUL-06	QLI	R423035
Antimony (Sb)	0.0007	0.0004	mg/L	24-JUL-06	QLI	R423035
Selenium (Se)	<0.0004	0.0004	mg/L	24-JUL-06	QLI	R423035
Tin (Sn)	<0.05	0.05	mg/L	24-JUL-06	QLI	R423035
Titanium (Ti)	<0.001	0.001	mg/L	24-JUL-06	QLI	R423035
Thallium (Tl)	<0.0001	0.0001	mg/L	24-JUL-06	QLI	R423035
Uranium (U)	0.0002	0.0001	mg/L	24-JUL-06	QLI	R423035
Vanadium (V)	0.002	0.001	mg/L	24-JUL-06	QLI	R423035
Zinc (Zn)	0.021	0.002	mg/L	24-JUL-06	QLI	R423035

Total Metals - CCME**Total Major Metals**

Calcium (Ca)	18.9	0.5	mg/L	26-JUL-06	DDN	R423910
Potassium (K)	1.9	0.1	mg/L	26-JUL-06	DDN	R423910
Magnesium (Mg)	4.7	0.1	mg/L	26-JUL-06	DDN	R423910
Sodium (Na)	45	1	mg/L	26-JUL-06	DDN	R423910
Iron (Fe)	0.010	0.005	mg/L	26-JUL-06	DDN	R423910
Manganese (Mn)	0.025	0.001	mg/L	26-JUL-06	DDN	R423910

Total Trace Metals

Silver (Ag)	<0.0004	0.0004	mg/L	24-JUL-06	QLI	R423033
Aluminum (Al)	0.11	0.01	mg/L	24-JUL-06	QLI	R423033
Arsenic (As)	<0.0004	0.0004	mg/L	24-JUL-06	QLI	R423033
Boron (B)	<0.05	0.05	mg/L	24-JUL-06	QLI	R423033
Barium (Ba)	0.052	0.003	mg/L	24-JUL-06	QLI	R423033
Beryllium (Be)	<0.001	0.001	mg/L	24-JUL-06	QLI	R423033
Cadmium (Cd)	0.0003	0.0002	mg/L	24-JUL-06	QLI	R423033
Cobalt (Co)	<0.002	0.002	mg/L	24-JUL-06	QLI	R423033
Chromium (Cr)	<0.005	0.005	mg/L	24-JUL-06	QLI	R423033
Copper (Cu)	0.002	0.001	mg/L	24-JUL-06	QLI	R423033
Mercury (Hg)	<0.0002	0.0002	mg/L	24-JUL-06	QLI	R423033
Lithium (Li)	<0.01	0.01	mg/L	24-JUL-06	QLI	R423033
Molybdenum (Mo)	<0.005	0.005	mg/L	24-JUL-06	QLI	R423033
Nickel (Ni)	0.004	0.002	mg/L	24-JUL-06	QLI	R423033
Lead (Pb)	<0.0001	0.0001	mg/L	24-JUL-06	QLI	R423033
Antimony (Sb)	0.0010	0.0004	mg/L	24-JUL-06	QLI	R423033
Selenium (Se)	<0.0004	0.0004	mg/L	24-JUL-06	QLI	R423033
Tin (Sn)	<0.05	0.05	mg/L	24-JUL-06	QLI	R423033
Titanium (Ti)	<0.001	0.001	mg/L	24-JUL-06	QLI	R423033
Thallium (Tl)	<0.0001	0.0001	mg/L	24-JUL-06	QLI	R423033
Uranium (U)	0.0002	0.0001	mg/L	24-JUL-06	QLI	R423033
Vanadium (V)	0.001	0.001	mg/L	24-JUL-06	QLI	R423033
Zinc (Zn)	0.019	0.004	mg/L	24-JUL-06	QLI	R423033

Alkalinity, Total (as CaCO₃)

Ammonia-N	<5	5	mg/L	24-JUL-06	PTT	R422809
Chloride (Cl)	0.11	0.05	mg/L	25-JUL-06	LDC	R423262
Conductivity (EC)	89	1	mg/L	24-JUL-06	WYA	R422947
Nitrate-N	407	0.2	uS/cm	24-JUL-06	PTT	R422809
Nitrite-N	3.8	0.1	mg/L	24-JUL-06	SHC	R423242
Sulphate (SO ₄)	<0.05	0.05	mg/L	24-JUL-06	SHC	R423242
Total Suspended Solids	50.1	0.5	mg/L	25-JUL-06	JTV	R424289
	<3	3	mg/L	25-JUL-06	SVG	R423328

ALS LABORATORY GROUP ANALYTICAL REPORT

L413573-5

200-5A

Sampled By:

DBS on 19-JUL-06 @ 09:45

Matrix:

WATER

pH

6.6

0.1

pH

24-JUL-06

PTT

R422809

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

Reference Information

Sample Parameter Qualifier key listed:

Qualifier	Description
RRV	Reported Result Verified By Repeat Analysis

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:

260922

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.



PRELIMINARY RESULTS

WOLFEN RESOURCES INC.

ATTN: DAVE STEVENSON

Reported On: 04-AUG-06 06:33 PM

401 - 1113 JADE COURT

THUNDER BAY ON P7B 6M7

Project P.O. #:

Job Reference: ULU EXPLORATION PROJECT - HIGH LAKE

Legal Site Desc:

CofC Numbers: 260923

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

L416267-1	200-2							
Sampled By:	DBS on 26-JUL-06 @ 10:00							
Matrix:	WATER							
Hardness								
Calcium (Ca)	1.6	0.5	mg/L	01-AUG-06	JWU	R426003		
Hardness (as CaCO ₃)	6		mg/L	02-AUG-06				
Magnesium (Mg)	0.4	0.1	mg/L	01-AUG-06	JWU	R426003		
Dissolved Metals - CCME								
Dissolved Major Metals								
Calcium (Ca)	1.7	0.5	mg/L	02-AUG-06	HAS	R426566		
Potassium (K)	0.4	0.1	mg/L	02-AUG-06	HAS	R426566		
Magnesium (Mg)	0.38	0.01	mg/L	02-AUG-06	HAS	R426566		
Sodium (Na)	3.1	0.5	mg/L	02-AUG-06	HAS	R426566		
Iron (Fe)	0.208	0.005	mg/L	02-AUG-06	HAS	R426566		
Manganese (Mn)	0.013	0.001	mg/L	02-AUG-06	HAS	R426566		
Dissolved Trace Metals								
Silver (Ag)	<0.0001	0.0001	mg/L	01-AUG-06	QLI	R426069		
Aluminum (Al)	0.05	0.01	mg/L	01-AUG-06	QLI	R426069		
Arsenic (As)	0.0008	0.0004	mg/L	01-AUG-06	QLI	R426069		
Boron (B)	<0.05	0.05	mg/L	01-AUG-06	QLI	R426069		
Barium (Ba)	<0.003	0.003	mg/L	01-AUG-06	QLI	R426069		
Beryllium (Be)	<0.001	0.001	mg/L	01-AUG-06	QLI	R426069		
Cadmium (Cd)	0.0005	0.0001	mg/L	01-AUG-06	QLI	R426069		
Cobalt (Co)	<0.002	0.002	mg/L	01-AUG-06	QLI	R426069		
Chromium (Cr)	<0.005	0.005	mg/L	01-AUG-06	QLI	R426069		
Copper (Cu)	0.007	0.001	mg/L	01-AUG-06	QLI	R426069		
Mercury (Hg)	<0.0001	0.0001	mg/L	01-AUG-06	QLI	R426069		
Lithium (Li)	<0.003	0.003	mg/L	01-AUG-06	QLI	R426069		
Molybdenum (Mo)	<0.005	0.005	mg/L	01-AUG-06	QLI	R426069		
Nickel (Ni)	<0.002	0.002	mg/L	01-AUG-06	QLI	R426069		
Lead (Pb)	0.0015	0.0001	mg/L	01-AUG-06	QLI	R426069		
Antimony (Sb)	0.0012	0.0004	mg/L	01-AUG-06	QLI	R426069		
Selenium (Se)	0.0005	0.0004	mg/L	01-AUG-06	QLI	R426069		
Tin (Sn)	<0.05	0.05	mg/L	01-AUG-06	QLI	R426069		
Titanium (Ti)	0.003	0.001	mg/L	01-AUG-06	QLI	R426069		
Thallium (Tl)	<0.0001	0.0001	mg/L	01-AUG-06	QLI	R426069		
Uranium (U)	<0.0001	0.0001	mg/L	01-AUG-06	QLI	R426069		
Vanadium (V)	<0.001	0.001	mg/L	01-AUG-06	QLI	R426069		
Zinc (Zn)	0.031	0.002	mg/L	01-AUG-06	QLI	R426069		
Total Metals - CCME								
Total Major Metals								
Calcium (Ca)	1.5	0.5	mg/L	31-JUL-06	DDN	R425561		
Potassium (K)	0.4	0.1	mg/L	31-JUL-06	DDN	R425561		
Magnesium (Mg)	0.4	0.1	mg/L	31-JUL-06	DDN	R425561		
Sodium (Na)	3	1	mg/L	31-JUL-06	DDN	R425561		
Iron (Fe)	0.197	0.005	mg/L	31-JUL-06	DDN	R425561		
Manganese (Mn)	0.014	0.001	mg/L	31-JUL-06	DDN	R425561		
Total Trace Metals								
Silver (Ag)	<0.0004	0.0004	mg/L	01-AUG-06	QLI	R426070		
Aluminum (Al)	0.08	0.01	mg/L	01-AUG-06	QLI	R426070		
Arsenic (As)	0.0007	0.0004	mg/L	01-AUG-06	QLI	R426070		
Boron (B)	<0.05	0.05	mg/L	01-AUG-06	QLI	R426070		
Barium (Ba)	<0.003	0.003	mg/L	01-AUG-06	QLI	R426070		
Beryllium (Be)	<0.001	0.001	mg/L	01-AUG-06	QLI	R426070		
Cadmium (Cd)	0.0005	0.0002	mg/L	01-AUG-06	QLI	R426070		
Cobalt (Co)	<0.002	0.002	mg/L	01-AUG-06	QLI	R426070		

ALS LABORATORY GROUP ANALYTICAL REPORT

L416267-1 200-2							
Sampled By: DBS on 26-JUL-06 @ 10:00							
Matrix: WATER							
Total Metals - CCME							
Total Trace Metals							
Chromium (Cr)	<0.005	0.005	mg/L	01-AUG-06	QLI	R426070	
Copper (Cu)	0.003	0.001	mg/L	01-AUG-06	QLI	R426070	
Mercury (Hg)	<0.0002	0.0002	mg/L	01-AUG-06	QLI	R426070	
Lithium (Li)	<0.01	0.01	mg/L	01-AUG-06	QLI	R426070	
Molybdenum (Mo)	<0.005	0.005	mg/L	01-AUG-06	QLI	R426070	
Nickel (Ni)	<0.002	0.002	mg/L	01-AUG-06	QLI	R426070	
Lead (Pb)	0.0009	0.0001	mg/L	01-AUG-06	QLI	R426070	
Antimony (Sb)	0.0012	0.0004	mg/L	01-AUG-06	QLI	R426070	
Selenium (Se)	<0.0004	0.0004	mg/L	01-AUG-06	QLI	R426070	
Tin (Sn)	<0.05	0.05	mg/L	01-AUG-06	QLI	R426070	
Titanium (Ti)	0.005	0.001	mg/L	01-AUG-06	QLI	R426070	
Thallium (Tl)	<0.0001	0.0001	mg/L	01-AUG-06	QLI	R426070	
Uranium (U)	<0.0001	0.0001	mg/L	01-AUG-06	QLI	R426070	
Vanadium (V)	<0.001	0.001	mg/L	01-AUG-06	QLI	R426070	
Zinc (Zn)	0.027	0.004	mg/L	01-AUG-06	QLI	R426070	
Alkalinity, Total (as CaCO3)	<5	5	mg/L	29-JUL-06	JLI	R425294	
Ammonia-N	0.45	0.05	mg/L	01-AUG-06	LDC	R425949	
Chloride (Cl)	5	1	mg/L	29-JUL-06	WYA	R425053	
Conductivity (EC)	34.6	0.2	uS/cm	29-JUL-06	JLI	R425294	
Nitrate-N	0.5	0.1	mg/L	28-JUL-06	SHC	R425124	
Nitrite-N	0.13	0.05	mg/L	28-JUL-06	SHC	R425124	
Sulphate (SO4)	2.7	0.5	mg/L	31-JUL-06	JTV	R424289	
Total Suspended Solids	3	3	mg/L	31-JUL-06	SVG	R425384	
pH	6.7	0.1	pH	29-JUL-06	JLI	R425294	
L416267-2 200-3							
Sampled By: DBS on 26-JUL-06 @ 09:00							
Matrix: WATER							
Hardness							
Calcium (Ca)	84.4	0.5	mg/L	01-AUG-06	JWU	R426003	
Hardness (as CaCO3)	275		mg/L	02-AUG-06			
Magnesium (Mg)	15.6	0.1	mg/L	01-AUG-06	JWU	R426003	
Dissolved Metals - CCME							
Dissolved Major Metals							
Calcium (Ca)	79.0	0.5	mg/L	02-AUG-06	HAS	R426566	
Potassium (K)	11.7	0.1	mg/L	02-AUG-06	HAS	R426566	
Magnesium (Mg)	13.9	0.01	mg/L	02-AUG-06	HAS	R426566	
Sodium (Na)	305	0.5	mg/L	02-AUG-06	HAS	R426566	
Iron (Fe)	0.005	0.005	mg/L	02-AUG-06	HAS	R426566	
Manganese (Mn)	0.480	0.001	mg/L	02-AUG-06	HAS	R426566	
Dissolved Trace Metals							
Silver (Ag)	<0.0001	0.0001	mg/L	01-AUG-06	QLI	R426069	
Aluminum (Al)	0.05	0.01	mg/L	01-AUG-06	QLI	R426069	
Arsenic (As)	0.0016	0.0004	mg/L	01-AUG-06	QLI	R426069	
Boron (B)	<0.05	0.05	mg/L	01-AUG-06	QLI	R426069	
Barium (Ba)	0.070	0.003	mg/L	01-AUG-06	QLI	R426069	
Beryllium (Be)	<0.001	0.001	mg/L	01-AUG-06	QLI	R426069	
Cadmium (Cd)	0.0006	0.0001	mg/L	01-AUG-06	QLI	R426069	
Cobalt (Co)	<0.002	0.002	mg/L	01-AUG-06	QLI	R426069	

ALS LABORATORY GROUP ANALYTICAL REPORT

L416267-2 200-3

Sampled By: DBS on 26-JUL-06 @ 09:00

Matrix: WATER

Dissolved Metals - CCME**Dissolved Trace Metals**

Chromium (Cr)	<0.005	0.005	mg/L	01-AUG-06	QLI	R426069
Copper (Cu)	0.004	0.001	mg/L	01-AUG-06	QLI	R426069
Mercury (Hg)	<0.0001	0.0001	mg/L	01-AUG-06	QLI	R426069
Lithium (Li)	0.004	0.003	mg/L	01-AUG-06	QLI	R426069
Molybdenum (Mo)	<0.005	0.005	mg/L	01-AUG-06	QLI	R426069
Nickel (Ni)	0.010	0.002	mg/L	01-AUG-06	QLI	R426069
Lead (Pb)	0.0004	0.0001	mg/L	01-AUG-06	QLI	R426069
Antimony (Sb)	0.0014	0.0004	mg/L	01-AUG-06	QLI	R426069
Selenium (Se)	0.0013	0.0004	mg/L	01-AUG-06	QLI	R426069
Tin (Sn)	<0.05	0.05	mg/L	01-AUG-06	QLI	R426069
Titanium (Ti)	0.002	0.001	mg/L	01-AUG-06	QLI	R426069
Thallium (Tl)	0.0003	0.0001	mg/L	01-AUG-06	QLI	R426069
Uranium (U)	0.0010	0.0001	mg/L	01-AUG-06	QLI	R426069
Vanadium (V)	0.001	0.001	mg/L	01-AUG-06	QLI	R426069
Zinc (Zn)	0.011	0.002	mg/L	01-AUG-06	QLI	R426069

Total Metals - CCME**Total Major Metals**

Calcium (Ca)	73.7	0.5	mg/L	31-JUL-06	DDN	R425561
Potassium (K)	11.3	0.1	mg/L	31-JUL-06	DDN	R425561
Magnesium (Mg)	12.9	0.1	mg/L	31-JUL-06	DDN	R425561
Sodium (Na)	303	1	mg/L	31-JUL-06	DDN	R425561
Iron (Fe)	0.188	0.005	mg/L	31-JUL-06	DDN	R425561
Manganese (Mn)	0.459	0.001	mg/L	31-JUL-06	DDN	R425561

Total Trace Metals

Silver (Ag)	<0.0004	0.0004	mg/L	01-AUG-06	QLI	R426070
Aluminum (Al)	0.15	0.01	mg/L	01-AUG-06	QLI	R426070
Arsenic (As)	0.0016	0.0004	mg/L	01-AUG-06	QLI	R426070
Boron (B)	<0.05	0.05	mg/L	01-AUG-06	QLI	R426070
Barium (Ba)	0.065	0.003	mg/L	01-AUG-06	QLI	R426070
Beryllium (Be)	<0.001	0.001	mg/L	01-AUG-06	QLI	R426070
Cadmium (Cd)	0.0006	0.0002	mg/L	01-AUG-06	QLI	R426070
Cobalt (Co)	<0.002	0.002	mg/L	01-AUG-06	QLI	R426070
Chromium (Cr)	<0.005	0.005	mg/L	01-AUG-06	QLI	R426070
Copper (Cu)	0.004	0.001	mg/L	01-AUG-06	QLI	R426070
Mercury (Hg)	<0.0002	0.0002	mg/L	01-AUG-06	QLI	R426070
Lithium (Li)	<0.01	0.01	mg/L	01-AUG-06	QLI	R426070
Molybdenum (Mo)	<0.005	0.005	mg/L	01-AUG-06	QLI	R426070
Nickel (Ni)	0.009	0.002	mg/L	01-AUG-06	QLI	R426070
Lead (Pb)	0.0004	0.0001	mg/L	01-AUG-06	QLI	R426070
Antimony (Sb)	0.0018	0.0004	mg/L	01-AUG-06	QLI	R426070
Selenium (Se)	0.0010	0.0004	mg/L	01-AUG-06	QLI	R426070
Tin (Sn)	<0.05	0.05	mg/L	01-AUG-06	QLI	R426070
Titanium (Ti)	0.008	0.001	mg/L	01-AUG-06	QLI	R426070
Thallium (Tl)	0.0003	0.0001	mg/L	01-AUG-06	QLI	R426070
Uranium (U)	0.0012	0.0001	mg/L	01-AUG-06	QLI	R426070
Vanadium (V)	0.003	0.001	mg/L	01-AUG-06	QLI	R426070
Zinc (Zn)	0.012	0.004	mg/L	01-AUG-06	QLI	R426070

Alkalinity, Total (as CaCO3)	56	5	mg/L	29-JUL-06	JLI	R425294
Ammonia-N	18.6	0.05	mg/L	01-AUG-06	LDC	R425949

ALS LABORATORY GROUP ANALYTICAL REPORT

L416267-2 200-3							
Sampled By: DBS on 26-JUL-06 @ 09:00							
Matrix: WATER							
Chloride (Cl)	560	1	mg/L	29-JUL-06	WYA	R425053	
Conductivity (EC)	2290	0.2	uS/cm	29-JUL-06	JLI	R425294	
Nitrate-N	35.6	0.1	mg/L	28-JUL-06	SHC	R425124	
Nitrite-N	1.78	0.05	mg/L	28-JUL-06	SHC	R425124	
Sulphate (SO4)	94.5	0.5	mg/L	31-JUL-06	JTV	R424289	
Total Suspended Solids	<3	3	mg/L	31-JUL-06	SVG	R425384	
pH	7.8	0.1	pH	29-JUL-06	JLI	R425294	
L416267-3 200-4							
Sampled By: DBS on 26-JUL-06 @ 09:15							
Matrix: WATER							
Hardness							
Calcium (Ca)	26.0	0.5	mg/L	01-AUG-06	JWU	R426003	
Hardness (as CaCO3)	88		mg/L	02-AUG-06			
Magnesium (Mg)	5.5	0.1	mg/L	01-AUG-06	JWU	R426003	
Dissolved Metals - CCME							
Dissolved Major Metals							
Calcium (Ca)	24.6	0.5	mg/L	02-AUG-06	HAS	R426566	
Potassium (K)	2.5	0.1	mg/L	02-AUG-06	HAS	R426566	
Magnesium (Mg)	4.89	0.01	mg/L	02-AUG-06	HAS	R426566	
Sodium (Na)	70.6	0.5	mg/L	02-AUG-06	HAS	R426566	
Iron (Fe)	0.150	0.005	mg/L	02-AUG-06	HAS	R426566	
Manganese (Mn)	2.34	0.001	mg/L	02-AUG-06	HAS	R426566	
Dissolved Trace Metals							
Silver (Ag)	<0.0001	0.0001	mg/L	01-AUG-06	QLI	R426069	
Aluminum (Al)	<0.01	0.01	mg/L	01-AUG-06	QLI	R426069	
Arsenic (As)	0.0005	0.0004	mg/L	01-AUG-06	QLI	R426069	
Boron (B)	<0.05	0.05	mg/L	01-AUG-06	QLI	R426069	
Barium (Ba)	0.054	0.003	mg/L	01-AUG-06	QLI	R426069	
Beryllium (Be)	<0.001	0.001	mg/L	01-AUG-06	QLI	R426069	
Cadmium (Cd)	0.0005	0.0001	mg/L	01-AUG-06	QLI	R426069	
Cobalt (Co)	0.020	0.002	mg/L	01-AUG-06	QLI	R426069	
Chromium (Cr)	<0.005	0.005	mg/L	01-AUG-06	QLI	R426069	
Copper (Cu)	<0.001	0.001	mg/L	01-AUG-06	QLI	R426069	
Mercury (Hg)	<0.0001	0.0001	mg/L	01-AUG-06	QLI	R426069	
Lithium (Li)	<0.003	0.003	mg/L	01-AUG-06	QLI	R426069	
Molybdenum (Mo)	<0.005	0.005	mg/L	01-AUG-06	QLI	R426069	
Nickel (Ni)	0.014	0.002	mg/L	01-AUG-06	QLI	R426069	
Lead (Pb)	0.0002	0.0001	mg/L	01-AUG-06	QLI	R426069	
Antimony (Sb)	0.0008	0.0004	mg/L	01-AUG-06	QLI	R426069	
Selenium (Se)	<0.0004	0.0004	mg/L	01-AUG-06	QLI	R426069	
Tin (Sn)	<0.05	0.05	mg/L	01-AUG-06	QLI	R426069	
Titanium (Ti)	<0.001	0.001	mg/L	01-AUG-06	QLI	R426069	
Thallium (Tl)	0.0005	0.0001	mg/L	01-AUG-06	QLI	R426069	
Uranium (U)	<0.0001	0.0001	mg/L	01-AUG-06	QLI	R426069	
Vanadium (V)	<0.001	0.001	mg/L	01-AUG-06	QLI	R426069	
Zinc (Zn)	0.031	0.002	mg/L	01-AUG-06	QLI	R426069	
Total Metals - CCME							
Total Major Metals							
Calcium (Ca)	23.7	0.5	mg/L	31-JUL-06	DDN	R425561	
Potassium (K)	2.3	0.1	mg/L	31-JUL-06	DDN	R425561	

ALS LABORATORY GROUP ANALYTICAL REPORT

L416267-3 200-4							
Sampled By: DBS on 26-JUL-06 @ 09:15							
Matrix: WATER							
Total Metals - CCME							
Total Major Metals							
Magnesium (Mg)	4.7	0.1	mg/L	31-JUL-06	DDN	R425561	
Sodium (Na)	70	1	mg/L	31-JUL-06	DDN	R425561	
Iron (Fe)	1.47	0.005	mg/L	31-JUL-06	DDN	R425561	
Manganese (Mn)	2.12	0.001	mg/L	31-JUL-06	DDN	R425561	
Total Trace Metals							
Silver (Ag)	<0.0004	0.0004	mg/L	01-AUG-06	QLI	R426070	
Aluminum (Al)	0.10	0.01	mg/L	01-AUG-06	QLI	R426070	
Arsenic (As)	0.0006	0.0004	mg/L	01-AUG-06	QLI	R426070	
Boron (B)	<0.05	0.05	mg/L	01-AUG-06	QLI	R426070	
Barium (Ba)	0.048	0.003	mg/L	01-AUG-06	QLI	R426070	
Beryllium (Be)	<0.001	0.001	mg/L	01-AUG-06	QLI	R426070	
Cadmium (Cd)	0.0005	0.0002	mg/L	01-AUG-06	QLI	R426070	
Cobalt (Co)	0.017	0.002	mg/L	01-AUG-06	QLI	R426070	
Chromium (Cr)	<0.005	0.005	mg/L	01-AUG-06	QLI	R426070	
Copper (Cu)	0.002	0.001	mg/L	01-AUG-06	QLI	R426070	
Mercury (Hg)	<0.0002	0.0002	mg/L	01-AUG-06	QLI	R426070	
Lithium (Li)	<0.01	0.01	mg/L	01-AUG-06	QLI	R426070	
Molybdenum (Mo)	<0.005	0.005	mg/L	01-AUG-06	QLI	R426070	
Nickel (Ni)	0.013	0.002	mg/L	01-AUG-06	QLI	R426070	
Lead (Pb)	0.0002	0.0001	mg/L	01-AUG-06	QLI	R426070	
Antimony (Sb)	0.0015	0.0004	mg/L	01-AUG-06	QLI	R426070	
Selenium (Se)	<0.0004	0.0004	mg/L	01-AUG-06	QLI	R426070	
Tin (Sn)	<0.05	0.05	mg/L	01-AUG-06	QLI	R426070	
Titanium (Ti)	0.002	0.001	mg/L	01-AUG-06	QLI	R426070	
Thallium (Tl)	0.0005	0.0001	mg/L	01-AUG-06	QLI	R426070	
Uranium (U)	0.0001	0.0001	mg/L	01-AUG-06	QLI	R426070	
Vanadium (V)	<0.001	0.001	mg/L	01-AUG-06	QLI	R426070	
Zinc (Zn)	0.037	0.004	mg/L	01-AUG-06	QLI	R426070	
Hardness							
Alkalinity, Total (as CaCO3)	13	5	mg/L	29-JUL-06	JLI	R425294	
Ammonia-N	0.11	0.05	mg/L	01-AUG-06	LDC	R425949	
Chloride (Cl)	141	1	mg/L	29-JUL-06	WYA	R425053	
Conductivity (EC)	595	0.2	uS/cm	29-JUL-06	JLI	R425294	
Nitrate-N	2.5	0.1	mg/L	28-JUL-06	SHC	R425124	
Nitrite-N	<0.05	0.05	mg/L	28-JUL-06	SHC	R425124	
Sulphate (SO4)	28.7	0.5	mg/L	31-JUL-06	JTV	R424289	
Total Suspended Solids	6	3	mg/L	31-JUL-06	SVG	R425384	
pH	7.0	0.1	pH	29-JUL-06	JLI	R425294	
L416267-4 200-5							
Sampled By: DBS on 26-JUL-06 @ 09:30							
Matrix: WATER							
Hardness							
Calcium (Ca)	2.5	0.5	mg/L	01-AUG-06	JWU	R426003	
Hardness (as CaCO3)	11		mg/L	02-AUG-06			
Magnesium (Mg)	1.2	0.1	mg/L	01-AUG-06	JWU	R426003	
Dissolved Metals - CCME							
Dissolved Major Metals							
Calcium (Ca)	2.4	0.5	mg/L	02-AUG-06	HAS	R426566	
Potassium (K)	0.6	0.1	mg/L	02-AUG-06	HAS	R426566	

ALS LABORATORY GROUP ANALYTICAL REPORT

L416267-4	200-5						
Sampled By:	DBS on 26-JUL-06 @ 09:30						
Matrix:	WATER						
Dissolved Metals - CCME							
Dissolved Major Metals							
Magnesium (Mg)	1.11	0.01	mg/L	02-AUG-06	HAS	R426566	
Sodium (Na)	1.5	0.5	mg/L	02-AUG-06	HAS	R426566	
Iron (Fe)	0.005	0.005	mg/L	02-AUG-06	HAS	R426566	
Manganese (Mn)	0.001	0.001	mg/L	02-AUG-06	HAS	R426566	
Dissolved Trace Metals							
Silver (Ag)	<0.0001	0.0001	mg/L	01-AUG-06	QLI	R426069	
Aluminum (Al)	0.02	0.01	mg/L	01-AUG-06	QLI	R426069	
Arsenic (As)	<0.0004	0.0004	mg/L	01-AUG-06	QLI	R426069	
Boron (B)	<0.05	0.05	mg/L	01-AUG-06	QLI	R426069	
Barium (Ba)	<0.003	0.003	mg/L	01-AUG-06	QLI	R426069	
Beryllium (Be)	<0.001	0.001	mg/L	01-AUG-06	QLI	R426069	
Cadmium (Cd)	<0.0001	0.0001	mg/L	01-AUG-06	QLI	R426069	
Cobalt (Co)	<0.002	0.002	mg/L	01-AUG-06	QLI	R426069	
Chromium (Cr)	<0.005	0.005	mg/L	01-AUG-06	QLI	R426069	
Copper (Cu)	0.001	0.001	mg/L	01-AUG-06	QLI	R426069	
Mercury (Hg)	<0.0001	0.0001	mg/L	01-AUG-06	QLI	R426069	
Lithium (Li)	<0.003	0.003	mg/L	01-AUG-06	QLI	R426069	
Molybdenum (Mo)	<0.005	0.005	mg/L	01-AUG-06	QLI	R426069	
Nickel (Ni)	<0.002	0.002	mg/L	01-AUG-06	QLI	R426069	
Lead (Pb)	<0.0001	0.0001	mg/L	01-AUG-06	QLI	R426069	
Antimony (Sb)	0.0012	0.0004	mg/L	01-AUG-06	QLI	R426069	
Selenium (Se)	<0.0004	0.0004	mg/L	01-AUG-06	QLI	R426069	
Tin (Sn)	<0.05	0.05	mg/L	01-AUG-06	QLI	R426069	
Titanium (Ti)	<0.001	0.001	mg/L	01-AUG-06	QLI	R426069	
Thallium (Tl)	<0.0001	0.0001	mg/L	01-AUG-06	QLI	R426069	
Uranium (U)	<0.0001	0.0001	mg/L	01-AUG-06	QLI	R426069	
Vanadium (V)	<0.001	0.001	mg/L	01-AUG-06	QLI	R426069	
Zinc (Zn)	<0.002	0.002	mg/L	01-AUG-06	QLI	R426069	
Total Metals - CCME							
Total Major Metals							
Calcium (Ca)	2.3	0.5	mg/L	31-JUL-06	DDN	R425561	
Potassium (K)	0.4	0.1	mg/L	31-JUL-06	DDN	R425561	
Magnesium (Mg)	1.1	0.1	mg/L	31-JUL-06	DDN	R425561	
Sodium (Na)	1	1	mg/L	31-JUL-06	DDN	R425561	
Iron (Fe)	0.022	0.005	mg/L	31-JUL-06	DDN	R425561	
Manganese (Mn)	0.003	0.001	mg/L	31-JUL-06	DDN	R425561	
Total Trace Metals							
Silver (Ag)	<0.0004	0.0004	mg/L	01-AUG-06	QLI	R426070	
Aluminum (Al)	0.03	0.01	mg/L	01-AUG-06	QLI	R426070	
Arsenic (As)	<0.0004	0.0004	mg/L	01-AUG-06	QLI	R426070	
Boron (B)	<0.05	0.05	mg/L	01-AUG-06	QLI	R426070	
Barium (Ba)	<0.003	0.003	mg/L	01-AUG-06	QLI	R426070	
Beryllium (Be)	<0.001	0.001	mg/L	01-AUG-06	QLI	R426070	
Cadmium (Cd)	<0.0002	0.0002	mg/L	01-AUG-06	QLI	R426070	
Cobalt (Co)	<0.002	0.002	mg/L	01-AUG-06	QLI	R426070	
Chromium (Cr)	<0.005	0.005	mg/L	01-AUG-06	QLI	R426070	
Copper (Cu)	0.002	0.001	mg/L	01-AUG-06	QLI	R426070	
Mercury (Hg)	<0.0002	0.0002	mg/L	01-AUG-06	QLI	R426070	
Lithium (Li)	<0.01	0.01	mg/L	01-AUG-06	QLI	R426070	
Molybdenum (Mo)	<0.005	0.005	mg/L	01-AUG-06	QLI	R426070	
Nickel (Ni)	<0.002	0.002	mg/L	01-AUG-06	QLI	R426070	

ALS LABORATORY GROUP ANALYTICAL REPORT

L416267-4	200-5							
Sampled By:	DBS on 26-JUL-06 @ 09:30							
Matrix:	WATER							
Total Metals - CCME								
Total Trace Metals								
Lead (Pb)	<0.0001	0.0001	mg/L	01-AUG-06	QLI	R426070		
Antimony (Sb)	0.0012	0.0004	mg/L	01-AUG-06	QLI	R426070		
Selenium (Se)	<0.0004	0.0004	mg/L	01-AUG-06	QLI	R426070		
Tin (Sn)	<0.05	0.05	mg/L	01-AUG-06	QLI	R426070		
Titanium (Ti)	<0.001	0.001	mg/L	01-AUG-06	QLI	R426070		
Thallium (Tl)	<0.0001	0.0001	mg/L	01-AUG-06	QLI	R426070		
Uranium (U)	<0.0001	0.0001	mg/L	01-AUG-06	QLI	R426070		
Vanadium (V)	<0.001	0.001	mg/L	01-AUG-06	QLI	R426070		
Zinc (Zn)	0.005	0.004	mg/L	01-AUG-06	QLI	R426070		
Alkalinity, Total (as CaCO3)	<5	5	mg/L	29-JUL-06	JLI	R425294		
Ammonia-N	<0.05	0.05	mg/L	01-AUG-06	LDC	R425949		
Chloride (Cl)	4	1	mg/L	29-JUL-06	WYA	R425053		
Conductivity (EC)	34.7	0.2	uS/cm	29-JUL-06	JLI	R425294		
Nitrate-N	<0.1	0.1	mg/L	28-JUL-06	SHC	R425124		
Nitrite-N	<0.05	0.05	mg/L	28-JUL-06	SHC	R425124		
Sulphate (SO4)	4.9	0.5	mg/L	31-JUL-06	JTV	R424289		
Total Suspended Solids	<3	3	mg/L	31-JUL-06	SVG	R425384		
pH	6.8	0.1	pH	29-JUL-06	JLI	R425294		
L416267-5	200-5A							
Sampled By:	DBS on 26-JUL-06 @ 09:45							
Matrix:	WATER							
Hardness								
Calcium (Ca)	25.9	0.5	mg/L	01-AUG-06	JWU	R426003		
Hardness (as CaCO3)	93		mg/L	02-AUG-06				
Magnesium (Mg)	6.9	0.1	mg/L	01-AUG-06	JWU	R426003		
Dissolved Metals - CCME								
Dissolved Major Metals								
Calcium (Ca)	25.7	0.5	mg/L	02-AUG-06	HAS	R426566		
Potassium (K)	2.8	0.1	mg/L	02-AUG-06	HAS	R426566		
Magnesium (Mg)	6.37	0.01	mg/L	02-AUG-06	HAS	R426566		
Sodium (Na)	67.4	0.5	mg/L	02-AUG-06	HAS	R426566		
Iron (Fe)	<0.005	0.005	mg/L	02-AUG-06	HAS	R426566		
Manganese (Mn)	0.015	0.001	mg/L	02-AUG-06	HAS	R426566		
Dissolved Trace Metals								
Silver (Ag)	<0.0001	0.0001	mg/L	01-AUG-06	QLI	R426069		
Aluminum (Al)	0.09	0.01	mg/L	01-AUG-06	QLI	R426069		
Arsenic (As)	<0.0004	0.0004	mg/L	01-AUG-06	QLI	R426069		
Boron (B)	<0.05	0.05	mg/L	01-AUG-06	QLI	R426069		
Barium (Ba)	0.063	0.003	mg/L	01-AUG-06	QLI	R426069		
Beryllium (Be)	<0.001	0.001	mg/L	01-AUG-06	QLI	R426069		
Cadmium (Cd)	0.0002	0.0001	mg/L	01-AUG-06	QLI	R426069		
Cobalt (Co)	<0.002	0.002	mg/L	01-AUG-06	QLI	R426069		
Chromium (Cr)	<0.005	0.005	mg/L	01-AUG-06	QLI	R426069		
Copper (Cu)	<0.001	0.001	mg/L	01-AUG-06	QLI	R426069		
Mercury (Hg)	<0.0001	0.0001	mg/L	01-AUG-06	QLI	R426069		
Lithium (Li)	<0.003	0.003	mg/L	01-AUG-06	QLI	R426069		
Molybdenum (Mo)	<0.005	0.005	mg/L	01-AUG-06	QLI	R426069		
Nickel (Ni)	0.004	0.002	mg/L	01-AUG-06	QLI	R426069		

ALS LABORATORY GROUP ANALYTICAL REPORT

L416267-5	200-5A						
Sampled By:	DBS on 26-JUL-06 @ 09:45						
Matrix:	WATER						
Dissolved Metals - CCME							
Dissolved Trace Metals							
Lead (Pb)	0.0002	0.0001	mg/L	01-AUG-06	QLI	R426069	
Antimony (Sb)	0.0012	0.0004	mg/L	01-AUG-06	QLI	R426069	
Selenium (Se)	0.0006	0.0004	mg/L	01-AUG-06	QLI	R426069	
Tin (Sn)	<0.05	0.05	mg/L	01-AUG-06	QLI	R426069	
Titanium (Ti)	<0.001	0.001	mg/L	01-AUG-06	QLI	R426069	
Thallium (Tl)	0.0004	0.0001	mg/L	01-AUG-06	QLI	R426069	
Uranium (U)	0.0002	0.0001	mg/L	01-AUG-06	QLI	R426069	
Vanadium (V)	0.001	0.001	mg/L	01-AUG-06	QLI	R426069	
Zinc (Zn)	0.018	0.002	mg/L	01-AUG-06	QLI	R426069	
Total Metals - CCME							
Total Major Metals							
Calcium (Ca)	23.7	0.5	mg/L	31-JUL-06	DDN	R425561	
Potassium (K)	2.7	0.1	mg/L	31-JUL-06	DDN	R425561	
Magnesium (Mg)	5.7	0.1	mg/L	31-JUL-06	DDN	R425561	
Sodium (Na)	66	1	mg/L	31-JUL-06	DDN	R425561	
Iron (Fe)	0.021	0.005	mg/L	31-JUL-06	DDN	R425561	
Manganese (Mn)	0.016	0.001	mg/L	31-JUL-06	DDN	R425561	
Total Trace Metals							
Silver (Ag)	<0.0004	0.0004	mg/L	01-AUG-06	QLI	R426070	
Aluminum (Al)	0.10	0.01	mg/L	01-AUG-06	QLI	R426070	
Arsenic (As)	<0.0004	0.0004	mg/L	01-AUG-06	QLI	R426070	
Boron (B)	<0.05	0.05	mg/L	01-AUG-06	QLI	R426070	
Barium (Ba)	0.058	0.003	mg/L	01-AUG-06	QLI	R426070	
Beryllium (Be)	<0.001	0.001	mg/L	01-AUG-06	QLI	R426070	
Cadmium (Cd)	0.0002	0.0002	mg/L	01-AUG-06	QLI	R426070	
Cobalt (Co)	<0.002	0.002	mg/L	01-AUG-06	QLI	R426070	
Chromium (Cr)	<0.005	0.005	mg/L	01-AUG-06	QLI	R426070	
Copper (Cu)	0.001	0.001	mg/L	01-AUG-06	QLI	R426070	
Mercury (Hg)	<0.0002	0.0002	mg/L	01-AUG-06	QLI	R426070	
Lithium (Li)	<0.01	0.01	mg/L	01-AUG-06	QLI	R426070	
Molybdenum (Mo)	<0.005	0.005	mg/L	01-AUG-06	QLI	R426070	
Nickel (Ni)	0.004	0.002	mg/L	01-AUG-06	QLI	R426070	
Lead (Pb)	0.0002	0.0001	mg/L	01-AUG-06	QLI	R426070	
Antimony (Sb)	0.0013	0.0004	mg/L	01-AUG-06	QLI	R426070	
Selenium (Se)	<0.0004	0.0004	mg/L	01-AUG-06	QLI	R426070	
Tin (Sn)	<0.05	0.05	mg/L	01-AUG-06	QLI	R426070	
Titanium (Ti)	0.001	0.001	mg/L	01-AUG-06	QLI	R426070	
Thallium (Tl)	0.0003	0.0001	mg/L	01-AUG-06	QLI	R426070	
Uranium (U)	0.0002	0.0001	mg/L	01-AUG-06	QLI	R426070	
Vanadium (V)	0.001	0.001	mg/L	01-AUG-06	QLI	R426070	
Zinc (Zn)	0.047	0.004	mg/L	01-AUG-06	QLI	R426070	
Alkalinity, Total (as CaCO3)							
Alkalinity, Total (as CaCO3)	<5	5	mg/L	29-JUL-06	JLI	R425294	
Ammonia-N	0.34	0.05	mg/L	01-AUG-06	LDC	R425949	
Chloride (Cl)	132	1	mg/L	29-JUL-06	WYA	R425053	
Conductivity (EC)	590	0.2	uS/cm	29-JUL-06	JLI	R425294	
Nitrate-N	5.0	0.1	mg/L	28-JUL-06	SHC	R425124	
Nitrite-N	<0.05	0.05	mg/L	28-JUL-06	SHC	R425124	
Sulphate (SO4)	31.5	0.5	mg/L	31-JUL-06	JTV	R424289	
Total Suspended Solids	<3	3	mg/L	31-JUL-06	SVG	R425384	

ALS LABORATORY GROUP ANALYTICAL REPORT

L416267-5	200-5A								
Sampled By:	DBS on 26-JUL-06 @ 09:45								
Matrix:	WATER								
pH	6.7	0.1	pH	29-JUL-06	JLI	R425294			
* 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:

260923

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.



PRELIMINARY RESULTS

WOLFDEN RESOURCES INC.

ATTN: DAVE STEVENSON

Reported On: 23-AUG-06 07:04 PM

401 - 1113 JADE COURT

THUNDER BAY ON P7B 6M7

Project P.O. #:

Job Reference:

Legal Site Desc:

CofC Numbers: 260838

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

L418743-1	200-2							
Sampled By:	DBS on 02-AUG-06 @ 10:00							
Matrix:	WATER							
Hardness								
Calcium (Ca)	1.4	0.5	mg/L	08-AUG-06	JWU	R427923		
Hardness (as CaCO3)	4		mg/L	09-AUG-06				
Magnesium (Mg)	0.2	0.1	mg/L	08-AUG-06	JWU	R427923		
Dissolved Metals - CCME								
Dissolved Major Metals								
Calcium (Ca)	1.4	0.5	mg/L	08-AUG-06	SYF	R428450		
Potassium (K)	0.5	0.1	mg/L	08-AUG-06	SYF	R428450		
Magnesium (Mg)	0.26	0.01	mg/L	08-AUG-06	SYF	R428450		
Sodium (Na)	0.8	0.5	mg/L	08-AUG-06	SYF	R428450		
Iron (Fe)	0.146	0.005	mg/L	08-AUG-06	SYF	R428450		
Manganese (Mn)	0.018	0.001	mg/L	08-AUG-06	SYF	R428450		
Dissolved Trace Metals								
Silver (Ag)	<0.0001	0.0001	mg/L	08-AUG-06	QLI	R428575		
Aluminum (Al)	0.94	0.01	mg/L	08-AUG-06	QLI	R428575		
Arsenic (As)	0.0009	0.0004	mg/L	08-AUG-06	QLI	R428575		
Boron (B)	<0.05	0.05	mg/L	08-AUG-06	QLI	R428575		
Barium (Ba)	0.004	0.003	mg/L	08-AUG-06	QLI	R428575		
Beryllium (Be)	<0.001	0.001	mg/L	08-AUG-06	QLI	R428575		
Cadmium (Cd)	<0.0001	0.0001	mg/L	08-AUG-06	QLI	R428575		
Cobalt (Co)	<0.002	0.002	mg/L	08-AUG-06	QLI	R428575		
Chromium (Cr)	<0.005	0.005	mg/L	08-AUG-06	QLI	R428575		
Copper (Cu)	0.001	0.001	mg/L	08-AUG-06	QLI	R428575		
Mercury (Hg)	<0.0001	0.0001	mg/L	08-AUG-06	QLI	R428575		
Lithium (Li)	<0.003	0.003	mg/L	08-AUG-06	QLI	R428575		
Molybdenum (Mo)	<0.005	0.005	mg/L	08-AUG-06	QLI	R428575		
Nickel (Ni)	<0.002	0.002	mg/L	08-AUG-06	QLI	R428575		
Lead (Pb)	0.0005	0.0001	mg/L	08-AUG-06	QLI	R428575		
Antimony (Sb)	<0.0004	0.0004	mg/L	08-AUG-06	QLI	R428575		
Selenium (Se)	<0.0004	0.0004	mg/L	08-AUG-06	QLI	R428575		
Tin (Sn)	<0.05	0.05	mg/L	08-AUG-06	QLI	R428575		
Titanium (Ti)	0.008	0.001	mg/L	08-AUG-06	QLI	R428575		
Thallium (Tl)	<0.0001	0.0001	mg/L	08-AUG-06	QLI	R428575		
Uranium (U)	<0.0001	0.0001	mg/L	08-AUG-06	QLI	R428575		
Vanadium (V)	<0.001	0.001	mg/L	08-AUG-06	QLI	R428575		
Zinc (Zn)	0.004	0.002	mg/L	08-AUG-06	QLI	R428575		
Total Metals - CCME								
Total Major Metals								
Calcium (Ca)	1.4	0.5	mg/L	08-AUG-06	SYF	R428448		
Potassium (K)	0.4	0.1	mg/L	08-AUG-06	SYF	R428448		
Magnesium (Mg)	0.4	0.1	mg/L	08-AUG-06	SYF	R428448		
Sodium (Na)	<1	1	mg/L	08-AUG-06	SYF	R428448		
Iron (Fe)	0.595	0.005	mg/L	08-AUG-06	SYF	R428448		
Manganese (Mn)	0.028	0.001	mg/L	08-AUG-06	SYF	R428448		
Total Trace Metals								
Silver (Ag)	<0.0004	0.0004	mg/L	09-AUG-06	QLI	R428730		
Aluminum (Al)	1.14	0.01	mg/L	09-AUG-06	QLI	R428730		
Arsenic (As)	0.0013	0.0004	mg/L	09-AUG-06	QLI	R428730		
Boron (B)	<0.05	0.05	mg/L	09-AUG-06	QLI	R428730		
Barium (Ba)	0.005	0.003	mg/L	09-AUG-06	QLI	R428730		
Beryllium (Be)	<0.001	0.001	mg/L	09-AUG-06	QLI	R428730		
Cadmium (Cd)	<0.0002	0.0002	mg/L	09-AUG-06	QLI	R428730		
Cobalt (Co)	<0.002	0.002	mg/L	09-AUG-06	QLI	R428730		

ALS LABORATORY GROUP ANALYTICAL REPORT

L418743-1 200-2							
Sampled By: DBS on 02-AUG-06 @ 10:00							
Matrix: WATER							
Total Metals - CCME							
Total Trace Metals							
Chromium (Cr)	<0.005	0.005	mg/L	09-AUG-06	QLI	R428730	
Copper (Cu)	0.003	0.001	mg/L	09-AUG-06	QLI	R428730	
Mercury (Hg)	<0.0002	0.0002	mg/L	09-AUG-06	QLI	R428730	
Lithium (Li)	<0.01	0.01	mg/L	09-AUG-06	QLI	R428730	
Molybdenum (Mo)	<0.005	0.005	mg/L	09-AUG-06	QLI	R428730	
Nickel (Ni)	<0.002	0.002	mg/L	09-AUG-06	QLI	R428730	
Lead (Pb)	0.0021	0.0001	mg/L	09-AUG-06	QLI	R428730	
Antimony (Sb)	<0.0004	0.0004	mg/L	09-AUG-06	QLI	R428730	
Selenium (Se)	0.0005	0.0004	mg/L	09-AUG-06	QLI	R428730	
Tin (Sn)	<0.05	0.05	mg/L	09-AUG-06	QLI	R428730	
Titanium (Ti)	0.017	0.001	mg/L	09-AUG-06	QLI	R428730	
Thallium (Tl)	0.0003	0.0001	mg/L	09-AUG-06	QLI	R428730	
Uranium (U)	<0.0001	0.0001	mg/L	09-AUG-06	QLI	R428730	
Vanadium (V)	0.002	0.001	mg/L	09-AUG-06	QLI	R428730	
Zinc (Zn)	0.016	0.004	mg/L	09-AUG-06	QLI	R428730	
Alkalinity, Total (as CaCO3)	<5	5	mg/L	05-AUG-06	TL	R427693	
Ammonia-N	<0.05	0.05	mg/L	09-AUG-06	LDC	R428560	
Chloride (Cl)	2	1	mg/L	08-AUG-06	WYA	R428123	
Conductivity (EC)	12.7	0.2	uS/cm	05-AUG-06	TL	R427693	
Nitrate-N	<0.1	0.1	mg/L	08-AUG-06	SHC	R428098	
Nitrite-N	<0.05	0.05	mg/L	08-AUG-06	SHC	R428098	
Sulphate (SO4)	0.7	0.5	mg/L	08-AUG-06	JTV	R426782	
Total Suspended Solids	17	3	mg/L	09-AUG-06	SVG	R428509	
pH	7.5	0.1	pH	05-AUG-06	TL	R427693	
L418743-2 200-3							
Sampled By: DBS on 02-AUG-06 @ 09:00							
Matrix: WATER							
Hardness							
Calcium (Ca)	109	0.5	mg/L	08-AUG-06	JWU	R427923	
Hardness (as CaCO3)	352		mg/L	09-AUG-06			
Magnesium (Mg)	19.3	0.1	mg/L	08-AUG-06	JWU	R427923	
Dissolved Metals - CCME							
Dissolved Major Metals							
Calcium (Ca)	99.2	0.5	mg/L	08-AUG-06	SYF	R428450	
Potassium (K)	12.2	0.1	mg/L	08-AUG-06	SYF	R428450	
Magnesium (Mg)	16.6	0.01	mg/L	08-AUG-06	SYF	R428450	
Sodium (Na)	300	0.5	mg/L	08-AUG-06	SYF	R428450	
Iron (Fe)	0.097	0.005	mg/L	08-AUG-06	SYF	R428450	
Manganese (Mn)	1.03	0.001	mg/L	08-AUG-06	SYF	R428450	
Dissolved Trace Metals							
Silver (Ag)	<0.0001	0.0001	mg/L	08-AUG-06	QLI	R428575	
Aluminum (Al)	0.10	0.01	mg/L	08-AUG-06	QLI	R428575	
Arsenic (As)	0.0015	0.0004	mg/L	08-AUG-06	QLI	R428575	
Boron (B)	<0.05	0.05	mg/L	08-AUG-06	QLI	R428575	
Barium (Ba)	0.070	0.003	mg/L	08-AUG-06	QLI	R428575	
Beryllium (Be)	<0.001	0.001	mg/L	08-AUG-06	QLI	R428575	
Cadmium (Cd)	0.0011	0.0001	mg/L	08-AUG-06	QLI	R428575	
Cobalt (Co)	0.003	0.002	mg/L	08-AUG-06	QLI	R428575	

ALS LABORATORY GROUP ANALYTICAL REPORT

L418743-2 200-3

Sampled By: DBS on 02-AUG-06 @ 09:00

Matrix: WATER

Dissolved Metals - CCME**Dissolved Trace Metals**

Chromium (Cr)	<0.005	0.005	mg/L	08-AUG-06	QLI	R428575
Copper (Cu)	0.004	0.001	mg/L	08-AUG-06	QLI	R428575
Mercury (Hg)	<0.0001	0.0001	mg/L	08-AUG-06	QLI	R428575
Lithium (Li)	0.003	0.003	mg/L	08-AUG-06	QLI	R428575
Molybdenum (Mo)	<0.005	0.005	mg/L	08-AUG-06	QLI	R428575
Nickel (Ni)	0.016	0.002	mg/L	08-AUG-06	QLI	R428575
Lead (Pb)	0.0002	0.0001	mg/L	08-AUG-06	QLI	R428575
Antimony (Sb)	0.0004	0.0004	mg/L	08-AUG-06	QLI	R428575
Selenium (Se)	0.0113	0.0004	mg/L	08-AUG-06	QLI	R428575
Tin (Sn)	<0.05	0.05	mg/L	08-AUG-06	QLI	R428575
Titanium (Ti)	0.004	0.001	mg/L	08-AUG-06	QLI	R428575
Thallium (Tl)	0.0003	0.0001	mg/L	08-AUG-06	QLI	R428575
Uranium (U)	0.0008	0.0001	mg/L	08-AUG-06	QLI	R428575
Vanadium (V)	0.005	0.001	mg/L	08-AUG-06	QLI	R428575
Zinc (Zn)	0.019	0.002	mg/L	08-AUG-06	QLI	R428575

Total Metals - CCME**Total Major Metals**

Calcium (Ca)	92.7	0.5	mg/L	08-AUG-06	SYF	R428448
Potassium (K)	11.4	0.1	mg/L	08-AUG-06	SYF	R428448
Magnesium (Mg)	15.4	0.1	mg/L	08-AUG-06	SYF	R428448
Sodium (Na)	287	1	mg/L	08-AUG-06	SYF	R428448
Iron (Fe)	0.247	0.005	mg/L	08-AUG-06	SYF	R428448
Manganese (Mn)	0.981	0.001	mg/L	08-AUG-06	SYF	R428448

Total Trace Metals

Silver (Ag)	<0.0004	0.0004	mg/L	09-AUG-06	QLI	R428730
Aluminum (Al)	0.10	0.01	mg/L	09-AUG-06	QLI	R428730
Arsenic (As)	0.0019	0.0004	mg/L	09-AUG-06	QLI	R428730
Boron (B)	<0.05	0.05	mg/L	09-AUG-06	QLI	R428730
Barium (Ba)	0.069	0.003	mg/L	09-AUG-06	QLI	R428730
Beryllium (Be)	<0.001	0.001	mg/L	09-AUG-06	QLI	R428730
Cadmium (Cd)	0.0010	0.0002	mg/L	09-AUG-06	QLI	R428730
Cobalt (Co)	0.004	0.002	mg/L	09-AUG-06	QLI	R428730
Chromium (Cr)	<0.005	0.005	mg/L	09-AUG-06	QLI	R428730
Copper (Cu)	0.005	0.001	mg/L	09-AUG-06	QLI	R428730
Mercury (Hg)	<0.0002	0.0002	mg/L	09-AUG-06	QLI	R428730
Lithium (Li)	<0.01	0.01	mg/L	09-AUG-06	QLI	R428730
Molybdenum (Mo)	<0.005	0.005	mg/L	09-AUG-06	QLI	R428730
Nickel (Ni)	0.018	0.002	mg/L	09-AUG-06	QLI	R428730
Lead (Pb)	0.0006	0.0001	mg/L	09-AUG-06	QLI	R428730
Antimony (Sb)	0.0005	0.0004	mg/L	09-AUG-06	QLI	R428730
Selenium (Se)	0.0117	0.0004	mg/L	09-AUG-06	QLI	R428730
Tin (Sn)	<0.05	0.05	mg/L	09-AUG-06	QLI	R428730
Titanium (Ti)	0.009	0.001	mg/L	09-AUG-06	QLI	R428730
Thallium (Tl)	0.0003	0.0001	mg/L	09-AUG-06	QLI	R428730
Uranium (U)	0.0008	0.0001	mg/L	09-AUG-06	QLI	R428730
Vanadium (V)	0.006	0.001	mg/L	09-AUG-06	QLI	R428730
Zinc (Zn)	0.018	0.004	mg/L	09-AUG-06	QLI	R428730

Alkalinity, Total (as CaCO3)	49	5	mg/L	05-AUG-06	TL	R427693
Ammonia-N	14.8	0.05	mg/L	09-AUG-06	LDC	R428560

ALS LABORATORY GROUP ANALYTICAL REPORT

L418743-2	200-3							
Sampled By:	DBS on 02-AUG-06 @ 09:00							
Matrix:	WATER							
Chloride (Cl)	593		1	mg/L	08-AUG-06	WYA	R428123	
Conductivity (EC)	2330		0.2	uS/cm	05-AUG-06	TL	R427693	
Nitrate-N	31.9		0.1	mg/L	08-AUG-06	SHC	R428098	
Nitrite-N	0.81		0.05	mg/L	08-AUG-06	SHC	R428098	
Sulphate (SO4)	105		0.5	mg/L	08-AUG-06	JTV	R426782	
Total Suspended Solids	6		3	mg/L	09-AUG-06	SVG	R428509	
pH	7.7		0.1	pH	05-AUG-06	TL	R427693	
L418743-3	200-4							
Sampled By:	DBS on 02-AUG-06 @ 09:15							
Matrix:	WATER							
Hardness								
Calcium (Ca)	32.4		0.5	mg/L	08-AUG-06	JWU	R427923	
Hardness (as CaCO3)	107			mg/L	09-AUG-06			
Magnesium (Mg)	6.3		0.1	mg/L	08-AUG-06	JWU	R427923	
Dissolved Metals - CCME								
Dissolved Major Metals								
Calcium (Ca)	93.4	RRV	0.5	mg/L	08-AUG-06	SYF	R428450	
Potassium (K)	12.0	RRV	0.1	mg/L	08-AUG-06	SYF	R428450	
Magnesium (Mg)	15.4	RRV	0.01	mg/L	08-AUG-06	SYF	R428450	
Sodium (Na)	293	RRV	0.5	mg/L	08-AUG-06	SYF	R428450	
Iron (Fe)	0.061	RRV	0.005	mg/L	08-AUG-06	SYF	R428450	
Manganese (Mn)	0.727	RRV	0.001	mg/L	08-AUG-06	SYF	R428450	
Dissolved Trace Metals								
Silver (Ag)	<0.0001		0.0001	mg/L	08-AUG-06	QLI	R428575	
Aluminum (Al)	0.07	RRVAP	0.01	mg/L	08-AUG-06	QLI	R428575	
Arsenic (As)	0.0009		0.0004	mg/L	22-AUG-06	HLA	R433072	
Boron (B)	<0.05		0.05	mg/L	08-AUG-06	QLI	R428575	
Barium (Ba)	0.072	RRVAP	0.003	mg/L	08-AUG-06	QLI	R428575	
Beryllium (Be)	<0.001		0.001	mg/L	08-AUG-06	QLI	R428575	
Cadmium (Cd)	0.0007	RRV	0.0001	mg/L	08-AUG-06	QLI	R428575	
Cobalt (Co)	0.002		0.002	mg/L	08-AUG-06	QLI	R428575	
Chromium (Cr)	<0.005		0.005	mg/L	08-AUG-06	QLI	R428575	
Copper (Cu)	0.003		0.001	mg/L	08-AUG-06	QLI	R428575	
Mercury (Hg)	<0.0001		0.0001	mg/L	08-AUG-06	QLI	R428575	
Lithium (Li)	<0.003		0.003	mg/L	08-AUG-06	QLI	R428575	
Molybdenum (Mo)	<0.005		0.005	mg/L	08-AUG-06	QLI	R428575	
Nickel (Ni)	0.011	RRVAP	0.002	mg/L	08-AUG-06	QLI	R428575	
Lead (Pb)	0.0002		0.0001	mg/L	08-AUG-06	QLI	R428575	
Antimony (Sb)	0.0004		0.0004	mg/L	08-AUG-06	QLI	R428575	
Selenium (Se)	0.0004		0.0004	mg/L	22-AUG-06	RA	R433071	
Tin (Sn)	<0.05		0.05	mg/L	08-AUG-06	QLI	R428575	
Titanium (Ti)	0.003	RRVAP	0.001	mg/L	08-AUG-06	QLI	R428575	
Thallium (Tl)	0.0003		0.0001	mg/L	08-AUG-06	QLI	R428575	
Uranium (U)	0.0008	RRV	0.0001	mg/L	08-AUG-06	QLI	R428575	
Vanadium (V)	<0.001		0.001	mg/L	08-AUG-06	QLI	R428575	
Zinc (Zn)	0.013		0.002	mg/L	08-AUG-06	QLI	R428575	
Total Metals - CCME								
Total Major Metals								
Calcium (Ca)	27.9	RRV	0.5	mg/L	10-AUG-06	SYF	R429147	
Potassium (K)	3.1	RRV	0.1	mg/L	10-AUG-06	SYF	R429147	

ALS LABORATORY GROUP ANALYTICAL REPORT

L418743-3	200-4							
Sampled By:	DBS on 02-AUG-06 @ 09:15							
Matrix:	WATER							
Total Metals - CCME								
Total Major Metals								
Magnesium (Mg)	5.3	RRV	0.1	mg/L	10-AUG-06	SYF	R429147	
Sodium (Na)	82	RRV	1	mg/L	10-AUG-06	SYF	R429147	
Iron (Fe)	0.017	RRV	0.005	mg/L	10-AUG-06	SYF	R429147	
Manganese (Mn)	0.021	RRV	0.001	mg/L	10-AUG-06	SYF	R429147	
Total Trace Metals								
Silver (Ag)	<0.0004		0.0004	mg/L	09-AUG-06	QLI	R428730	
Aluminum (Al)	0.02		0.01	mg/L	09-AUG-06	QLI	R428730	
Arsenic (As)	<0.0004		0.0004	mg/L	09-AUG-06	QLI	R428730	
Boron (B)	<0.05		0.05	mg/L	09-AUG-06	QLI	R428730	
Barium (Ba)	0.048		0.003	mg/L	09-AUG-06	QLI	R428730	
Beryllium (Be)	<0.001		0.001	mg/L	09-AUG-06	QLI	R428730	
Cadmium (Cd)	<0.0002		0.0002	mg/L	09-AUG-06	QLI	R428730	
Cobalt (Co)	<0.002		0.002	mg/L	09-AUG-06	QLI	R428730	
Chromium (Cr)	<0.005		0.005	mg/L	09-AUG-06	QLI	R428730	
Copper (Cu)	0.002		0.001	mg/L	09-AUG-06	QLI	R428730	
Mercury (Hg)	<0.0002		0.0002	mg/L	09-AUG-06	QLI	R428730	
Lithium (Li)	<0.01		0.01	mg/L	09-AUG-06	QLI	R428730	
Molybdenum (Mo)	<0.005		0.005	mg/L	09-AUG-06	QLI	R428730	
Nickel (Ni)	0.003		0.002	mg/L	09-AUG-06	QLI	R428730	
Lead (Pb)	0.0001		0.0001	mg/L	09-AUG-06	QLI	R428730	
Antimony (Sb)	<0.0004		0.0004	mg/L	09-AUG-06	QLI	R428730	
Selenium (Se)	0.0004		0.0004	mg/L	09-AUG-06	QLI	R428730	
Selenium (Se)	<0.0004		0.0004	mg/L	14-AUG-06	RA	R430134	
Tin (Sn)	<0.05		0.05	mg/L	09-AUG-06	QLI	R428730	
Titanium (Ti)	<0.001		0.001	mg/L	09-AUG-06	QLI	R428730	
Thallium (Tl)	0.0002		0.0001	mg/L	09-AUG-06	QLI	R428730	
Uranium (U)	<0.0001		0.0001	mg/L	09-AUG-06	QLI	R428730	
Vanadium (V)	0.002		0.001	mg/L	09-AUG-06	QLI	R428730	
Zinc (Zn)	0.015		0.004	mg/L	09-AUG-06	QLI	R428730	
Alkalinity, Total (as CaCO3)	6		5	mg/L	05-AUG-06	TL	R427693	
Ammonia-N	0.22		0.05	mg/L	09-AUG-06	LDC	R428560	
Chloride (Cl)	156		1	mg/L	08-AUG-06	WYA	R428123	
Conductivity (EC)	674		0.2	uS/cm	05-AUG-06	TL	R427693	
Nitrate-N	5.3		0.1	mg/L	08-AUG-06	SHC	R428098	
Nitrite-N	<0.05		0.05	mg/L	08-AUG-06	SHC	R428098	
Sulphate (SO4)	34.8		0.5	mg/L	08-AUG-06	JTV	R426782	
Total Suspended Solids	4		3	mg/L	09-AUG-06	SVG	R428509	
pH	6.9		0.1	pH	05-AUG-06	TL	R427693	
L418743-4	200-5							
Sampled By:	DBS on 02-AUG-06 @ 09:30							
Matrix:	WATER							
Hardness								
Calcium (Ca)	2.8		0.5	mg/L	08-AUG-06	JWU	R427923	
Hardness (as CaCO3)	12			mg/L	09-AUG-06			
Magnesium (Mg)	1.2		0.1	mg/L	08-AUG-06	JWU	R427923	
Dissolved Metals - CCME								
Dissolved Major Metals								
Calcium (Ca)	2.4		0.5	mg/L	08-AUG-06	SYF	R428450	

ALS LABORATORY GROUP ANALYTICAL REPORT

L418743-4 200-5

Sampled By: DBS on 02-AUG-06 @ 09:30

Matrix: WATER

Dissolved Metals - CCME**Dissolved Major Metals**

Potassium (K)	0.5	0.1	mg/L	08-AUG-06	SYF	R428450
Magnesium (Mg)	1.09	0.01	mg/L	08-AUG-06	SYF	R428450
Sodium (Na)	1.7	0.5	mg/L	08-AUG-06	SYF	R428450
Iron (Fe)	0.014	0.005	mg/L	08-AUG-06	SYF	R428450
Manganese (Mn)	0.001	0.001	mg/L	08-AUG-06	SYF	R428450

Dissolved Trace Metals

Silver (Ag)	<0.0001	0.0001	mg/L	08-AUG-06	QLI	R428575
Aluminum (Al)	0.01	0.01	mg/L	08-AUG-06	QLI	R428575
Arsenic (As)	<0.0004	0.0004	mg/L	08-AUG-06	QLI	R428575
Boron (B)	<0.05	0.05	mg/L	08-AUG-06	QLI	R428575
Barium (Ba)	0.003	0.003	mg/L	08-AUG-06	QLI	R428575
Beryllium (Be)	<0.001	0.001	mg/L	08-AUG-06	QLI	R428575
Cadmium (Cd)	<0.0001	0.0001	mg/L	08-AUG-06	QLI	R428575
Cobalt (Co)	<0.002	0.002	mg/L	08-AUG-06	QLI	R428575
Chromium (Cr)	<0.005	0.005	mg/L	08-AUG-06	QLI	R428575
Copper (Cu)	0.002	0.001	mg/L	08-AUG-06	QLI	R428575
Mercury (Hg)	<0.0001	0.0001	mg/L	08-AUG-06	QLI	R428575
Lithium (Li)	<0.003	0.003	mg/L	08-AUG-06	QLI	R428575
Molybdenum (Mo)	<0.005	0.005	mg/L	08-AUG-06	QLI	R428575
Nickel (Ni)	<0.002	0.002	mg/L	08-AUG-06	QLI	R428575
Lead (Pb)	<0.0001	0.0001	mg/L	08-AUG-06	QLI	R428575
Antimony (Sb)	<0.0004	0.0004	mg/L	08-AUG-06	QLI	R428575
Selenium (Se)	<0.0004	0.0004	mg/L	08-AUG-06	QLI	R428575
Tin (Sn)	<0.05	0.05	mg/L	08-AUG-06	QLI	R428575
Titanium (Ti)	<0.001	0.001	mg/L	08-AUG-06	QLI	R428575
Thallium (Tl)	0.0006	0.0001	mg/L	08-AUG-06	QLI	R428575
Uranium (U)	<0.0001	0.0001	mg/L	08-AUG-06	QLI	R428575
Vanadium (V)	<0.001	0.001	mg/L	08-AUG-06	QLI	R428575
Zinc (Zn)	0.002	0.002	mg/L	08-AUG-06	QLI	R428575

Total Metals - CCME**Total Major Metals**

Calcium (Ca)	2.4	0.5	mg/L	10-AUG-06	SYF	R429147
Potassium (K)	0.4	0.1	mg/L	10-AUG-06	SYF	R429147
Magnesium (Mg)	1.1	0.1	mg/L	10-AUG-06	SYF	R429147
Sodium (Na)	2	1	mg/L	11-AUG-06	SYF	R429774
Iron (Fe)	0.018	0.005	mg/L	10-AUG-06	SYF	R429147
Manganese (Mn)	0.003	0.001	mg/L	10-AUG-06	SYF	R429147

Total Trace Metals

Silver (Ag)	<0.0004	0.0004	mg/L	09-AUG-06	QLI	R428730
Aluminum (Al)	0.02	0.01	mg/L	09-AUG-06	QLI	R428730
Arsenic (As)	<0.0004	0.0004	mg/L	09-AUG-06	QLI	R428730
Boron (B)	<0.05	0.05	mg/L	09-AUG-06	QLI	R428730
Barium (Ba)	0.003	0.003	mg/L	09-AUG-06	QLI	R428730
Beryllium (Be)	<0.001	0.001	mg/L	09-AUG-06	QLI	R428730
Cadmium (Cd)	<0.0002	0.0002	mg/L	09-AUG-06	QLI	R428730
Cobalt (Co)	<0.002	0.002	mg/L	09-AUG-06	QLI	R428730
Chromium (Cr)	<0.005	0.005	mg/L	09-AUG-06	QLI	R428730
Copper (Cu)	0.002	0.001	mg/L	09-AUG-06	QLI	R428730
Mercury (Hg)	<0.0002	0.0002	mg/L	09-AUG-06	QLI	R428730
Lithium (Li)	<0.01	0.01	mg/L	09-AUG-06	QLI	R428730
Molybdenum (Mo)	<0.005	0.005	mg/L	09-AUG-06	QLI	R428730

ALS LABORATORY GROUP ANALYTICAL REPORT

L418743-4 200-5

Sampled By: DBS on 02-AUG-06 @ 09:30

Matrix: WATER

Total Metals - CCME**Total Trace Metals**

Nickel (Ni)	<0.002	0.002	mg/L	09-AUG-06	QLI	R428730
Lead (Pb)	<0.0001	0.0001	mg/L	09-AUG-06	QLI	R428730
Antimony (Sb)	<0.0004	0.0004	mg/L	09-AUG-06	QLI	R428730
Selenium (Se)	<0.0004	0.0004	mg/L	09-AUG-06	QLI	R428730
Tin (Sn)	<0.05	0.05	mg/L	09-AUG-06	QLI	R428730
Titanium (Ti)	<0.001	0.001	mg/L	09-AUG-06	QLI	R428730
Thallium (Tl)	<0.0001	0.0001	mg/L	09-AUG-06	QLI	R428730
Uranium (U)	<0.0001	0.0001	mg/L	09-AUG-06	QLI	R428730
Vanadium (V)	<0.001	0.001	mg/L	09-AUG-06	QLI	R428730
Zinc (Zn)	<0.004	0.004	mg/L	09-AUG-06	QLI	R428730
Alkalinity, Total (as CaCO ₃)	<5	5	mg/L	05-AUG-06	TL	R427693
Ammonia-N	<0.05	0.05	mg/L	09-AUG-06	LDC	R428560
Chloride (Cl)	4	1	mg/L	08-AUG-06	WYA	R428123
Conductivity (EC)	35.5	0.2	uS/cm	05-AUG-06	TL	R427693
Nitrate-N	<0.1	0.1	mg/L	08-AUG-06	SHC	R428098
Nitrite-N	<0.05	0.05	mg/L	08-AUG-06	SHC	R428098
Sulphate (SO ₄)	5.1	0.5	mg/L	08-AUG-06	JTV	R426782
Total Suspended Solids	3	3	mg/L	09-AUG-06	SVG	R428509
pH	6.9	0.1	pH	05-AUG-06	TL	R427693

L418743-5 200-5A

Sampled By: DBS on 02-AUG-06 @ 09:45

Matrix: WATER

Hardness

Calcium (Ca)	104	0.5	mg/L	08-AUG-06	JWU	R427923
Hardness (as CaCO ₃)	334		mg/L	09-AUG-06		
Magnesium (Mg)	18.0	0.1	mg/L	08-AUG-06	JWU	R427923

Dissolved Metals - CCME**Dissolved Major Metals**

Calcium (Ca)	31.6	0.5	mg/L	08-AUG-06	SYF	R428450
Potassium (K)	3.4	0.1	mg/L	08-AUG-06	SYF	R428450
Magnesium (Mg)	7.60	0.01	mg/L	08-AUG-06	SYF	R428450
Sodium (Na)	95.4	0.5	mg/L	08-AUG-06	SYF	R428450
Iron (Fe)	0.014	0.005	mg/L	08-AUG-06	SYF	R428450
Manganese (Mn)	0.015	0.001	mg/L	08-AUG-06	SYF	R428450

Dissolved Trace Metals

Silver (Ag)	<0.0001	0.0001	mg/L	08-AUG-06	QLI	R428575
Aluminum (Al)	0.10	0.01	mg/L	08-AUG-06	QLI	R428575
Arsenic (As)	<0.0004	0.0004	mg/L	08-AUG-06	QLI	R428575
Boron (B)	<0.05	0.05	mg/L	08-AUG-06	QLI	R428575
Barium (Ba)	0.082	0.003	mg/L	08-AUG-06	QLI	R428575
Beryllium (Be)	<0.001	0.001	mg/L	08-AUG-06	QLI	R428575
Cadmium (Cd)	0.0003	0.0001	mg/L	08-AUG-06	QLI	R428575
Cobalt (Co)	<0.002	0.002	mg/L	08-AUG-06	QLI	R428575
Chromium (Cr)	<0.005	0.005	mg/L	08-AUG-06	QLI	R428575
Copper (Cu)	0.001	0.001	mg/L	08-AUG-06	QLI	R428575
Mercury (Hg)	<0.0001	0.0001	mg/L	08-AUG-06	QLI	R428575
Lithium (Li)	<0.003	0.003	mg/L	08-AUG-06	QLI	R428575
Molybdenum (Mo)	<0.005	0.005	mg/L	08-AUG-06	QLI	R428575

ALS LABORATORY GROUP ANALYTICAL REPORT

L418743-5	200-5A						
Sampled By:	DBS on 02-AUG-06 @ 09:45						
Matrix:	WATER						
Dissolved Metals - CCME							
Dissolved Trace Metals							
Nickel (Ni)	0.005		0.002	mg/L	08-AUG-06	QLI	R428575
Lead (Pb)	<0.0001		0.0001	mg/L	08-AUG-06	QLI	R428575
Antimony (Sb)	<0.0004		0.0004	mg/L	08-AUG-06	QLI	R428575
Selenium (Se)	0.0006		0.0004	mg/L	08-AUG-06	QLI	R428575
Tin (Sn)	<0.05		0.05	mg/L	08-AUG-06	QLI	R428575
Titanium (Ti)	<0.001		0.001	mg/L	08-AUG-06	QLI	R428575
Thallium (Tl)	0.0004		0.0001	mg/L	08-AUG-06	QLI	R428575
Uranium (U)	0.0002		0.0001	mg/L	08-AUG-06	QLI	R428575
Vanadium (V)	0.004		0.001	mg/L	08-AUG-06	QLI	R428575
Zinc (Zn)	0.022		0.002	mg/L	08-AUG-06	QLI	R428575
Total Metals - CCME							
Total Major Metals							
Calcium (Ca)	31.2	RRV	0.5	mg/L	10-AUG-06	SYF	R429147
Potassium (K)	3.3		0.1	mg/L	10-AUG-06	SYF	R429147
Magnesium (Mg)	7.6	RRV	0.1	mg/L	10-AUG-06	SYF	R429147
Sodium (Na)	99		1	mg/L	10-AUG-06	SYF	R429147
Iron (Fe)	0.013		0.005	mg/L	10-AUG-06	SYF	R429147
Manganese (Mn)	0.015		0.001	mg/L	10-AUG-06	SYF	R429147
Total Trace Metals							
Silver (Ag)	<0.0004		0.0004	mg/L	09-AUG-06	QLI	R428730
Aluminum (Al)	0.10		0.01	mg/L	09-AUG-06	QLI	R428730
Arsenic (As)	<0.0004		0.0004	mg/L	09-AUG-06	QLI	R428730
Boron (B)	<0.05		0.05	mg/L	09-AUG-06	QLI	R428730
Barium (Ba)	0.077		0.003	mg/L	09-AUG-06	QLI	R428730
Beryllium (Be)	<0.001		0.001	mg/L	09-AUG-06	QLI	R428730
Cadmium (Cd)	0.0003		0.0002	mg/L	09-AUG-06	QLI	R428730
Cobalt (Co)	<0.002		0.002	mg/L	09-AUG-06	QLI	R428730
Chromium (Cr)	<0.005		0.005	mg/L	09-AUG-06	QLI	R428730
Copper (Cu)	0.002		0.001	mg/L	09-AUG-06	QLI	R428730
Mercury (Hg)	<0.0002		0.0002	mg/L	09-AUG-06	QLI	R428730
Lithium (Li)	<0.01		0.01	mg/L	09-AUG-06	QLI	R428730
Molybdenum (Mo)	<0.005		0.005	mg/L	09-AUG-06	QLI	R428730
Nickel (Ni)	0.005		0.002	mg/L	09-AUG-06	QLI	R428730
Lead (Pb)	0.0001		0.0001	mg/L	09-AUG-06	QLI	R428730
Antimony (Sb)	<0.0004		0.0004	mg/L	09-AUG-06	QLI	R428730
Selenium (Se)	0.0005		0.0004	mg/L	09-AUG-06	QLI	R428730
Tin (Sn)	<0.05		0.05	mg/L	09-AUG-06	QLI	R428730
Titanium (Ti)	<0.001		0.001	mg/L	09-AUG-06	QLI	R428730
Thallium (Tl)	0.0002		0.0001	mg/L	09-AUG-06	QLI	R428730
Uranium (U)	0.0002		0.0001	mg/L	09-AUG-06	QLI	R428730
Vanadium (V)	0.003		0.001	mg/L	09-AUG-06	QLI	R428730
Zinc (Zn)	0.022		0.004	mg/L	09-AUG-06	QLI	R428730
Alkalinity, Total (as CaCO3)							
Alkalinity, Total (as CaCO3)	47		5	mg/L	05-AUG-06	TL	R427693
Ammonia-N	0.78		0.05	mg/L	09-AUG-06	LDC	R428560
Chloride (Cl)	579		1	mg/L	08-AUG-06	WYA	R428123
Conductivity (EC)	2280		0.2	uS/cm	05-AUG-06	TL	R427693
Nitrate-N	32.9		0.1	mg/L	08-AUG-06	SHC	R428098
Nitrite-N	0.55		0.05	mg/L	08-AUG-06	SHC	R428098
Sulphate (SO4)	105		0.5	mg/L	08-AUG-06	JTV	R426782

ALS LABORATORY GROUP ANALYTICAL REPORT

L418743-5

200-5A

Sampled By: DBS on 02-AUG-06 @ 09:45

Matrix: WATER

Total Suspended Solids

<3

3

mg/L

09-AUG-06

SVG

R428509

pH

7.6

0.1

pH

05-AUG-06

TL

R427693

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

Reference Information

Sample Parameter Qualifier key listed:

Qualifier	Description
RRV	Reported Result Verified By Repeat Analysis
RRVAP	Reported Result Verified by Alternate Process

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:

260838

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.



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	

ALS LABORATORY GROUP ANALYTICAL REPORT

L423552-4 200-05A

Sampled By: M. LONK on 16-AUG-06 @ 08:30

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

ALS LABORATORY GROUP ANALYTICAL REPORT

L423552-4 200-05A

Sampled By: M. LONK on 16-AUG-06 @ 08:30

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.