

MEMORANDUM

To: Mr. David Swisher Date: September 20, 2011
Copy To: Jordin Barclay, Kevin Hawton, Cara Stapley File No.: NB101-390/2-A.01
From: Ryan Weir Cont. No.: NB11-00454
Re: Thor Lake Project – Mine Site Groundwater Quality Test Results

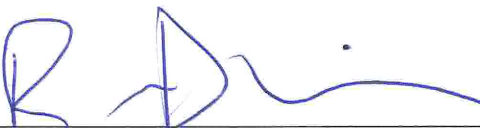
Six (6) groundwater monitoring wells were previously installed (March and April, 2011) near the proposed infrastructure for the Thor Lake Project at the Nechalacho Mine Site in NWT. In early August 2011, a program was carried out by Knight Piésold to develop and sample the recently installed wells for the purposes of collecting baseline water quality data. Three (3) groundwater monitoring wells were successfully developed and sampled, however monitoring wells HG4, HG-5 and HG-6 could not be sampled because they were frozen or due to damage from frost heaving. Figure 1 shows the locations of the monitoring wells, including HG-3, which was recently re-established as part of the Phase 3 site investigations, in relation to existing monitoring wells and thermistor instrumentation installations. Monitoring well HG-3 has not yet been sampled.


The 3 water samples were sent to ALS Laboratory Group (ALS) in Yellowknife for completion of a complete suite of analytical tests, including:

- Physical tests
- Anions and nutrients
- Cyanides
- Total metals
- Dissolved metals

The results from the laboratory testing are summarized on Table 1. The laboratory certificates of analysis are included in Appendix A.

Planning for the next sampling event (Fall event) will commence soon in preparation for the work to be carried out in October or November, 2011. Should you have any questions, please do not hesitate to contact us.

Signed: 
Ryan Weir, E.I.T.
Geological Engineering

Approved: 
Kevin E. Hawton, P.Eng.
Senior Engineer

Attachments:

Table 1 Rev 0 Water Sample Laboratory Test Results Summary
Figure 1 Rev 0 Monitoring Well Locations
Appendix A Laboratory Certificate of Analysis

/rdw

TABLE 1

AVALON RARE METALS INC.
THOR LAKE PROJECT

WATER SAMPLE LABORATORY TEST RESULTS SUMMARY

Print Sep/20/11 15:30:24

Date Sampled				05-Aug-11	05-Aug-11	-	-	-	05-Aug-11
Lab ID				L1041037-1	L1041037-2	-	-	-	L1041037-3
Samples	Sample Type	Units	MDL	HG-1	HG-2	HG-4	HG-5	HG-6	HG-7
Physical Tests	Colour, True	T.C.U.	2.0	5.0	13.0	-	-	-	13.0
	Conductivity	uS/cm	0.20	526	724	-	-	-	412
	Hardness (as CaCO3)	mg/L	-	196	324	-	-	-	208
	pH	pH	0.10	8.34	8.16	-	-	-	8.18
	Total Suspended Solids	mg/L	3.0	525	14500	-	-	-	867
	Total Dissolved Solids	mg/L	-	285	387	-	-	-	212
Anions and Nutrients	Turbidity	-	0.10	141	566	-	-	-	520
	Acidity (as CaCO3)	mg/L	5.0	5.7	13.7	-	-	-	7.0
	Alkalinity, Bicarbonate (as CaCO3)	mg/L	5.0	303	453	-	-	-	259
	Alkalinity, Carbonate (as CaCO3)	mg/L	5.0	<5.0	<5.0	-	-	-	<5.0
	Alkalinity, Hydroxide (as CaCO3)	mg/L	5.0	<5.0	<5.0	-	-	-	<5.0
	Alkalinity, Total (as CaCO3)	mg/L	5.0	255	371	-	-	-	212
	Ammonia-N, Total	-	-	0.202	0.121	-	-	-	<0.050
	Bromide (Br)	-	1.0	<0.10	<0.10	-	-	-	<0.10
	Chloride (Cl)	mg/L	0.50	5.44	14.1	-	-	-	1.12
	Nitrate (as N)	mg/L	0.050	<0.050	<0.050	-	-	-	0.322
	Nitrate and Nitrite as N	mg/L	0.071	<0.071	<0.071	-	-	-	0.322
	Nitrite (as N)	mg/L	0.050	<0.050	<0.050	-	-	-	<0.050
	Total Kjeldahl Nitrogen	-	-	1.14	0.39	-	-	-	0.23
	Total Nitrogen	-	-	1.14	0.39	-	-	-	0.55
	Orthophosphate-Dissolved (as P)	-	0.010	-	-	-	-	-	-
	Total Phosphate as P	-	0.020	<0.020	0.031	-	-	-	<0.020
	Sulfate (SO4)	mg/L	0.50	17.4	12.1	-	-	-	8.36
Cyanides	Cyanide, Total	mg/L	0.0020	0.0194	0.0064	-	-	-	0.0116
Total Metals	Aluminum (Al)-Total	mg/L	0.010	2.62	27.8	-	-	-	7.40
	Antimony (Sb)-Total	mg/L	0.00040	<0.00080	<0.00080	-	-	-	<0.00080
	Arsenic (As)-Total	mg/L	0.00040	0.00250	0.0196	-	-	-	0.0162
	Barium (Ba)-Total	mg/L	0.0030	0.151	1.17	-	-	-	0.136
	Beryllium (Be)-Total	mg/L	0.0010	<0.0020	0.0029	-	-	-	<0.0020
	Boron (B)-Total	mg/L	0.050	0.095	0.213	-	-	-	<0.050
	Cadmium (Cd)-Total	mg/L	0.000050	<0.0010	0.0012	-	-	-	0.0019
	Calcium (Ca)-Total	mg/L	0.50	51.6	194	-	-	-	57.3
	Chromium (Cr)-Total	mg/L	0.0050	<0.0050	0.0635	-	-	-	0.0259
	Cobalt (Co)-Total	mg/L	0.0020	0.0063	0.0836	-	-	-	0.0122
	Copper (Cu)-Total	mg/L	0.0010	0.0097	0.152	-	-	-	0.111
	Iron (Fe)-Total	mg/L	0.010	3.27	36.6	-	-	-	10.1
	Lead (Pb)-Total	mg/L	0.00010	0.0172	0.0461	-	-	-	0.0103
	Lithium (Li)-Total	mg/L	0.010	0.037	0.057	-	-	-	<0.010
	Magnesium (Mg)-Total	mg/L	0.10	18.1	82.6	-	-	-	22.5
	Manganese (Mn)-Total	mg/L	0.0020	1.27	7.42	-	-	-	0.438
	Mercury (Hg)-Total	mg/L	0.00010	-	-	-	-	-	-
	Molybdenum (Mo)-Total	mg/L	0.0050	0.135	0.0159	-	-	-	0.0110
	Nickel (Ni)-Total	mg/L	0.0020	0.0081	0.118	-	-	-	0.0273
	Potassium (K)-Total	mg/L	0.10	3.65	9.75	-	-	-	2.92
	Selenium (Se)-Total	mg/L	0.00040	<0.00080	<0.00080	-	-	-	<0.00080
	Silver (Ag)-Total	mg/L	0.00010	<0.0050	<0.0050	-	-	-	0.0068
	Strontium (Sr)-Total	mg/L	-	0.322	0.511	-	-	-	0.0693
	Sodium (Na)-Total	mg/L	1.0	41.6	31.3	-	-	-	3.3
	Thallium (Tl)-Total	mg/L	0.00010	<0.050	<0.050	-	-	-	<0.050
	Tin (Sn)-Total	mg/L	0.050	<0.050	<0.050	-	-	-	<0.050
	Titanium (Ti)-Total	mg/L	0.0010	0.0302	0.780	-	-	-	0.120
	Uranium (U)-Total	mg/L	0.00010	0.00881	0.0106	-	-	-	0.00241
	Vanadium (V)-Total	mg/L	0.0010	0.0026	0.0903	-	-	-	0.0088
	Zinc (Zn)-Total	mg/L	0.0040	0.106	0.784	-	-	-	0.158
Dissolved Metals	Aluminum (Al)-Dissolved	mg/L	0.010	<0.010	<0.010	-	-	-	0.027
	Antimony (Sb)-Dissolved	mg/L	0.00040	<0.00080	<0.00080	-	-	-	<0.00080
	Arsenic (As)-Dissolved	mg/L	0.00040	0.00112	0.0137	-	-	-	0.00732
	Barium (Ba)-Dissolved	mg/L	0.0030	0.0746	0.123	-	-	-	0.0300
	Beryllium (Be)-Dissolved	mg/L	0.0010	<0.0010	<0.0010	-	-	-	<0.0010
	Bismuth (Bi)-Dissolved	mg/L	0.000050	-	-	-	-	-	-
	Boron (B)-Dissolved	mg/L	0.050	0.129	0.290	-	-	-	<0.050
	Cadmium (Cd)-Dissolved	mg/L	0.000050	<0.0010	<0.0010	-	-	-	<0.0010
	Calcium (Ca)-Dissolved	mg/L	0.50	49.5	63.1	-	-	-	50.0
	Chromium (Cr)-Dissolved	mg/L	0.0050	<0.0050	<0.0050	-	-	-	<0.0050
	Cobalt (Co)-Dissolved	mg/L	0.0020	<0.0020	0.0035	-	-	-	<0.0020
	Copper (Cu)-Dissolved	mg/L	0.0010	<0.0010	<0.0010	-	-	-	0.0071
	Iron (Fe)-Dissolved	mg/L	0.010	0.019	0.142	-	-	-	0.043
	Lead (Pb)-Dissolved	mg/L	0.00010	<0.0050	<0.0050	-	-	-	<0.0050
	Lithium (Li)-Dissolved	mg/L	0.0030	0.0350	0.0261	-	-	-	0.0032
	Magnesium (Mg)-Dissolved	mg/L	0.10	17.5	40.5	-	-	-	20.2
	Manganese (Mn)-Dissolved	mg/L	0.0020	0.667	1.40	-	-	-	0.0395
	Mercury (Hg)-Dissolved	mg/L	0.00010	-	-	-	-	-	-
	Molybdenum (Mo)-Dissolved	mg/L	0.0050	0.149	0.0267	-	-	-	0.0097
	Nickel (Ni)-Dissolved	mg/L	0.0020	0.0029	0.0060	-	-	-	0.0032
	Potassium (K)-Dissolved	mg/L	0.50	2.43	4.16	-	-	-	1.34
	Selenium (Se)-Dissolved	mg/L	0.00040	<0.00080	<0.00080	-	-	-	<0.00080
	Silver (Ag)-Dissolved	mg/L	0.00010	<0.0050	<0.0050	-	-	-	<0.0050
	Strontium (Sr)-Dissolved	mg/L	0.00010	0.304	0.309	-	-	-	0.0522
	Sodium (Na)-Dissolved	mg/L	1.0	40.2	30.3	-	-	-	2.7
	Thallium (Tl)-Dissolved	mg/L	0.00010	<0.050	<0.050	-	-	-	<0.050
	Tin (Sn)-Dissolved	mg/L	0.050	<0.050	<0.050	-	-	-	<0.050
	Titanium (Ti)-Dissolved	mg/L	0.0010	<0.0010	<0.0010	-	-	-	<0.0010
	Uranium (U)-Dissolved	mg/L	0.00010	0.00691	0.00686	-	-	-	0.00143
	Vanadium (V)-Dissolved	mg/L	0.0010	<0.0010	<0.0010	-	-	-	<0.0010
	Zinc (Zn)-Dissolved	mg/L	0.0020	0.0064	0.0287	-	-	-	0.0042
	Ion Balance	%	-	105	98.0	-	-	-	96.3

I:\1101\00390\02A\Correspondence\NB11-00454 - Thor Lake Water Quality Results\[Table.xlsx]1

NOTES:
1. NO TEST RESULTS FOR HG-4, HG-5 OR HG-6; WELLS FROZEN OR DAMAGED DUE TO FROST HEAVING.

0	20SEP'11	ISSUED WITH MEMO NB 11-00454	RDW	KEH	KEH
REV	DATE	DESCRIPTION	PREP'D	CHK'D	APP'D

APPENDIX A

LABORATORY CERTIFICATE OF ANALYSIS

(Pages A-1 to A-7)



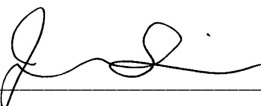
KNIGHT PIESOLD LTD.
ATTN: RYAN WEIR / CARA STAPLEY /
KEVIN HAWTON
1650 Main Street West
North Bay ON P1B 8G5

Date Received: 05-AUG-11
Report Date: 15-AUG-11 10:58 (MT)
Version: FINAL

Client Phone: 705-476-2165

Certificate of Analysis

Lab Work Order #: L1041037
Project P.O. #: NOT SUBMITTED
Job Reference: NB101-39012
C of C Numbers: 10-100987
Legal Site Desc:



Jessica Spira
Senior Account Manager

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ALS CANADA LTD Part of the ALS Group A Campbell Brothers Limited Company

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample ID Description Sampled Date Sampled Time Client ID		L1041037-1 WATER 05-AUG-11 09:35 HG1	L1041037-2 WATER 05-AUG-11 08:50 HG2	L1041037-3 WATER 05-AUG-11 07:35 HG7		
Grouping	Analyte					
WATER						
Physical Tests	Color, True (T.C.U.)	5.0	13.0	13.0		
	Total Suspended Solids (mg/L)	525	14500	867		
	Turbidity (NTU)	141	566	520		
Anions and Nutrients	Acidity (as CaCO3) (mg/L)	5.7	13.7	7.0		
	Alkalinity, Total (as CaCO3) (mg/L)	255	371	212		
	Ammonia (as N) (mg/L)	0.202	0.121	<0.050		
	Bicarbonate (HCO3) (mg/L)	303	453	259		
	Bromide (Br) (mg/L)	<0.10	<0.10	<0.10		
	Carbonate (CO3) (mg/L)	<5.0	<5.0	<5.0		
	Chloride (Cl) (mg/L)	5.44	14.1	1.12		
	Conductivity (EC) (uS/cm)	526	724	412		
	Hardness (as CaCO3) (mg/L)	196	324	208		
	Hydroxide (OH) (mg/L)	<5.0	<5.0	<5.0		
	Ion Balance (%)	105	98.0	96.3		
	Nitrate and Nitrite (as N) (mg/L)	<0.071	<0.071	0.322		
	Nitrate (as N) (mg/L)	<0.050	<0.050	0.322		
	Nitrite (as N) (mg/L)	<0.050	<0.050	<0.050		
	Total Kjeldahl Nitrogen (mg/L)	1.14	0.39	0.23		
	Total Nitrogen (mg/L)	1.14	0.39	0.55		
	pH (pH)	8.34	8.16	8.18		
	Phosphorus (P)-Total (mg/L)	<0.020	0.031	<0.020		
	TDS (Calculated) (mg/L)	285	387	212		
	Sulfate (SO4) (mg/L)	17.4	12.1	8.36		
Cyanides	Cyanide, Total (mg/L)	0.0194	0.0064	0.0116		
Total Metals	Aluminum (Al)-Total (mg/L)	2.62	27.8	7.40		
	Antimony (Sb)-Total (mg/L)	<0.00080	<0.00080	<0.00080		
	Arsenic (As)-Total (mg/L)	0.00250	0.0196	0.0162		
	Barium (Ba)-Total (mg/L)	0.151	1.17	0.136		
	Beryllium (Be)-Total (mg/L)	<0.0020	0.0029	<0.0020		
	Boron (B)-Total (mg/L)	0.095	0.213	<0.050		
	Cadmium (Cd)-Total (mg/L)	<0.0010	0.0012	0.0019		
	Calcium (Ca)-Total (mg/L)	51.6	194	57.3		
	Chromium (Cr)-Total (mg/L)	<0.0050	0.0635	0.0259		
	Cobalt (Co)-Total (mg/L)	0.0063	0.0836	0.0122		
	Copper (Cu)-Total (mg/L)	0.0097	0.152	0.111		
	Iron (Fe)-Total (mg/L)	3.27	36.6	10.1		
	Lead (Pb)-Total (mg/L)	0.0172	0.0461	0.0103		

* Please refer to the Reference Information section for an explanation of any qualifiers detected.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample ID Description Sampled Date Sampled Time Client ID		L1041037-1 WATER 05-AUG-11 09:35 HG1	L1041037-2 WATER 05-AUG-11 08:50 HG2	L1041037-3 WATER 05-AUG-11 07:35 HG7		
Grouping	Analyte					
WATER						
Total Metals	Lithium (Li)-Total (mg/L)	0.037	0.057	<0.010		
	Magnesium (Mg)-Total (mg/L)	18.1	82.6	22.5		
	Manganese (Mn)-Total (mg/L)	1.27	7.42	0.438		
	Molybdenum (Mo)-Total (mg/L)	0.135	0.0159	0.0110		
	Nickel (Ni)-Total (mg/L)	0.0081	0.118	0.0273		
	Potassium (K)-Total (mg/L)	3.65	9.75	2.92		
	Selenium (Se)-Total (mg/L)	<0.00080	<0.00080	<0.00080		
	Silver (Ag)-Total (mg/L)	<0.0050	<0.0050	0.0068		
	Sodium (Na)-Total (mg/L)	41.6	31.3	3.3		
	Strontium (Sr)-Total (mg/L)	0.322	0.511	0.0693		
	Thallium (Tl)-Total (mg/L)	<0.050	<0.050	<0.050		
	Tin (Sn)-Total (mg/L)	<0.050	<0.050	<0.050		
	Titanium (Ti)-Total (mg/L)	0.0302	0.780	0.120		
	Uranium (U)-Total (mg/L)	0.00881	0.0106	0.00241		
	Vanadium (V)-Total (mg/L)	0.0026	0.0903	0.0088		
	Zinc (Zn)-Total (mg/L)	0.106	0.784	0.158		
Dissolved Metals	Aluminum (Al)-Dissolved (mg/L)	<0.010	<0.010	0.027		
	Antimony (Sb)-Dissolved (mg/L)	<0.00080	<0.00080	<0.00080		
	Arsenic (As)-Dissolved (mg/L)	0.00112	0.0137	0.00732		
	Barium (Ba)-Dissolved (mg/L)	0.0746	0.123	0.0300		
	Beryllium (Be)-Dissolved (mg/L)	<0.0010	<0.0010	<0.0010		
	Boron (B)-Dissolved (mg/L)	0.129	0.290	<0.050		
	Cadmium (Cd)-Dissolved (mg/L)	<0.0010	<0.0010	<0.0010		
	Calcium (Ca)-Dissolved (mg/L)	49.5	63.1	50.0		
	Chromium (Cr)-Dissolved (mg/L)	<0.0050	<0.0050	<0.0050		
	Cobalt (Co)-Dissolved (mg/L)	<0.0020	0.0035	<0.0020		
	Copper (Cu)-Dissolved (mg/L)	<0.0010	<0.0010	0.0071		
	Iron (Fe)-Dissolved (mg/L)	0.019	0.142	0.043		
	Lead (Pb)-Dissolved (mg/L)	<0.0050	<0.0050	<0.0050		
	Lithium (Li)-Dissolved (mg/L)	0.0350	0.0261	0.0032		
	Magnesium (Mg)-Dissolved (mg/L)	17.5	40.5	20.2		
	Manganese (Mn)-Dissolved (mg/L)	0.667	1.40	0.0395		
	Molybdenum (Mo)-Dissolved (mg/L)	0.149	0.0267 ^{RRVA P}	0.0097		
	Nickel (Ni)-Dissolved (mg/L)	0.0029	0.0060	0.0032		
	Potassium (K)-Dissolved (mg/L)	2.43	4.16	1.34		
	Selenium (Se)-Dissolved (mg/L)	<0.00080	<0.00080	<0.00080		
	Silver (Ag)-Dissolved (mg/L)	<0.0050	<0.0050	<0.0050		

* Please refer to the Reference Information section for an explanation of any qualifiers detected.

ALS ENVIRONMENTAL ANALYTICAL REPORT

		Sample ID	L1041037-1	L1041037-2	L1041037-3		
		Description	WATER	WATER	WATER		
		Sampled Date	05-AUG-11	05-AUG-11	05-AUG-11		
		Sampled Time	09:35	08:50	07:35		
		Client ID	HG1	HG2	HG7		
Grouping	Analyte						
WATER							
Dissolved Metals	Sodium (Na)-Dissolved (mg/L)		40.2	30.3	2.7		
	Strontium (Sr)-Dissolved (mg/L)		0.304	0.309	0.0522		
	Thallium (Tl)-Dissolved (mg/L)		<0.050	<0.050	<0.050		
	Tin (Sn)-Dissolved (mg/L)		<0.050	<0.050	<0.050		
	Titanium (Ti)-Dissolved (mg/L)		<0.0010	<0.0010	<0.0010		
	Uranium (U)-Dissolved (mg/L)		0.00691	0.00686	0.00143		
	Vanadium (V)-Dissolved (mg/L)		<0.0010	<0.0010	<0.0010		
	Zinc (Zn)-Dissolved (mg/L)		0.0064	0.0287	0.0042		

* Please refer to the Reference Information section for an explanation of any qualifiers detected.

Reference Information

Qualifiers for Individual Parameters Listed:

Qualifier	Description
MS-B	Matrix Spike recovery could not be accurately calculated due to high analyte background in sample.
RRVAP	Reported Result Verified by Alternate Process

Test Method References:

ALS Test Code	Matrix	Test Description	Method Reference**
ACIDITY-ED	Water	Acidity (as CaCO ₃)	APHA 2310 B - Potentiometric Titration
BR-IC-ED	Water	Bromide by IC	APHA 4110 B-ION CHROMATOGRAPHY
CL-IC-ED	Water	Chloride by IC	APHA 4110 B-ION CHROMATOGRAPHY
CN-T-MID-HH-COL-VA	Water	Total Cyanide by HH Distillation	APHA 4500-CN Cyanide
This analysis is carried out using procedures adapted from APHA Method 4500-CN "Cyanide". Total or strong acid dissociable (SAD) cyanide are determined by sample distillation and analysis using the chloramine-T colourimetric method.			
COL-TRU-ED	Water	Color, True	APHA 2120
The reported color applies to the pH of the sample as submitted unless otherwise noted on the report.			
IONBALANCE-ED	Water	Ion Balance Calculation	APHA 1030E
MET-D-L-ICP-ED	Water	Diss. Metals in Water by ICPOES (Low)	APHA 3120 B-ICP-OES
MET-D-MS-ED	Water	Dissolved Metals in Water by ICPMS	SW 846 - 6020-ICPMS
MET-T-L-ICP-ED	Water	Total Metals in Water by ICPOES (Low)	APHA 3120 B-ICP-OES
MET-T-MS-ED	Water	Total Metals in Water by ICPMS	SW 846 - 6020-ICPMS
N-T-CALC-ED	Water	Total Nitrogen (Calculation)	APHA 4500 N-Calculated
Total Nitrogen is a calculated parameter. Total Nitrogen = Total Kjeldahl Nitrogen + [Nitrate and Nitrite (as N)]			
NH3-CFA-ED	Water	Ammonia in Water by Colour	APHA 4500 NH3-NITROGEN (AMMONIA)
This analysis is carried out using procedures adapted from APHA Method 4500 NH3 "NITROGEN (AMMONIA)". Ammonia is determined using the automated phenate colourimetric method.			
NO2+NO3-CALC-ED	Water	Nitrate+Nitrite	CALCULATION
NO2-IC-ED	Water	Nitrite as N by IC	APHA 4110 B-ION CHROMATOGRAPHY
NO3-IC-ED	Water	Nitrate as N by IC	APHA 4110 B-ION CHROMATOGRAPHY
P-T-COL-ED	Water	Total P in Water by Colour	APHA 4500-P PHOSPHORUS
This analysis is carried out using procedures adapted from APHA Method 4500-P "Phosphorus". Total Phosphorus is determined colourimetrically after persulphate digestion of the sample.			
PH/EC/ALK-ED	Water	pH, Conductivity and Total Alkalinity	APHA 4500-H, 2510, 2320
All samples analyzed by this method for pH will have exceeded the 15 minute recommended hold time from time of sampling (field analysis is recommended for pH where highly accurate results are needed)			
SO4-IC-ED	Water	Sulfate by IC	APHA 4110 B-ION CHROMATOGRAPHY
SOLIDS-TOTSUS-ED	Water	Total Suspended Solids	APHA 2540 D-Gravimetric
TKN-CFA-ED	Water	TKN in Water by Colour	APHA 4500-NORG (TKN)
This analysis is carried out using procedures adapted from APHA Method 4500-Norg "Nitrogen (Organic)". Total Kjeldahl Nitrogen is determined by sample digestion at 380 celcius with analysis using an automated colourimetric finish.			
TURBIDITY-ED	Water	Turbidity	APHA 2130 B-Nephelometer

** ALS test methods may incorporate modifications from specified reference methods to improve performance.

The last two letters of the above test code(s) indicate the laboratory that performed analytical analysis for that test. Refer to the list below:

Laboratory Definition Code	Laboratory Location
ED	ALS ENVIRONMENTAL - EDMONTON, ALBERTA, CANADA
VA	ALS ENVIRONMENTAL - VANCOUVER, BC, CANADA

Chain of Custody Numbers:

10-100987

Reference Information

GLOSSARY OF REPORT TERMS

Surrogate - A compound that is similar in behaviour to target analyte(s), but that does not occur naturally in environmental samples. For applicable tests, surrogates are added to samples prior to analysis as a check on recovery.

mg/kg - milligrams per kilogram based on dry weight of sample.

mg/kg ww - milligrams per kilogram based on wet weight of sample.

mg/kg lwt - milligrams per kilogram based on lipid-adjusted weight of sample.

mg/L - milligrams per litre.

< - Less than.

D.L. - The reported Detection Limit, also known as the Limit of Reporting (LOR).

N/A - Result not available. Refer to qualifier code and definition for explanation.

Test results reported relate only to the samples as received by the laboratory.

UNLESS OTHERWISE STATED, ALL SAMPLES WERE RECEIVED IN ACCEPTABLE CONDITION.

Analytical results in unsigned test reports with the DRAFT watermark are subject to change, pending final QC review.



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