NORTH AMERICAN TUNGSTEN CORPORATION LTD




North American Tungsten Corporation Ltd.

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MACTUNG PROJECT

2007 ENVIRONMENTAL BASELINE STUDIES WATER QUALITY SAMPLING PROGRAM

W23101021.005

February 2008

CREATING AND DELIVERING BETTER SOLUTIONS

eba

NORTH AMERICAN TUNGSTEN CORPORATION LTD.

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MACTUNG PROJECT, YUKON
2007 ENVIRONMENTAL BASELINE STUDIES
WATER QUALITY SAMPLING PROGRAM

W23101021.005

February 2008

EBA Engineering Consultants Ltd.
p. 867.920.2287 • f. 867.873.3324
PO Box 2244 • 201, 4916 - 49 Street • Yellowknife, Northwest Territories X1A 2P7 • CANADA

EXECUTIVE SUMMARY

As part of a comprehensive environmental baseline program, EBA Engineering Consultants Ltd. (EBA) continued water quality monitoring during the spring, summer and fall of 2007 at various headwater streams, rivers, and lakes in the North American Tungsten Corporation Ltd. Mactung project area. The 2007 water quality monitoring program repeated efforts and sampling methods from the previous year.

Eight water quality sampling stations from the 2006 program were re-sampled, four of which were located in each of the upper Hess River (Yukon) and upper Tsichu River (Northwest Territories) systems (Figure 1). The sampling period for the 2007 program mirrored that of the 2006 June, July, August, and September sampling events, wherever possible, to represent similar water quality conditions between sampling years.

ALS Environmental (ALS) of Edmonton, Alberta prepared the sampling bottles, travel blanks, and conducted the analyses. ALS is accredited by the Canadian Association for Environmental Analytical Laboratories (CAEAL) for the parameters analyzed. Standard handling and sampling protocols were carried out, including travel, field, and filter blanks and duplicate sampling.

Analysis of the field samples indicated iron – extractable, aluminum, cadmium, copper, iron, nickel, selenium, and zinc concentrations were generally above CCME guideline values. The iron – extractable concentrations observed show evidence of iron leaching during runoff or high rain events from natural mineral deposits present in the area. Elevated metal concentrations were generally correlated with higher turbidity occurring during freshet, with gradual declines in values occurring as the season progressed.

Overall, this baseline investigation demonstrates that the water quality of the project area is typical for this mineralized area, with some parameter concentrations exceeding CCME guidelines as a result local geological conditions. Water quality at the sampling stations is considered to be representative of natural background conditions.

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1.0 INTRODUCTION

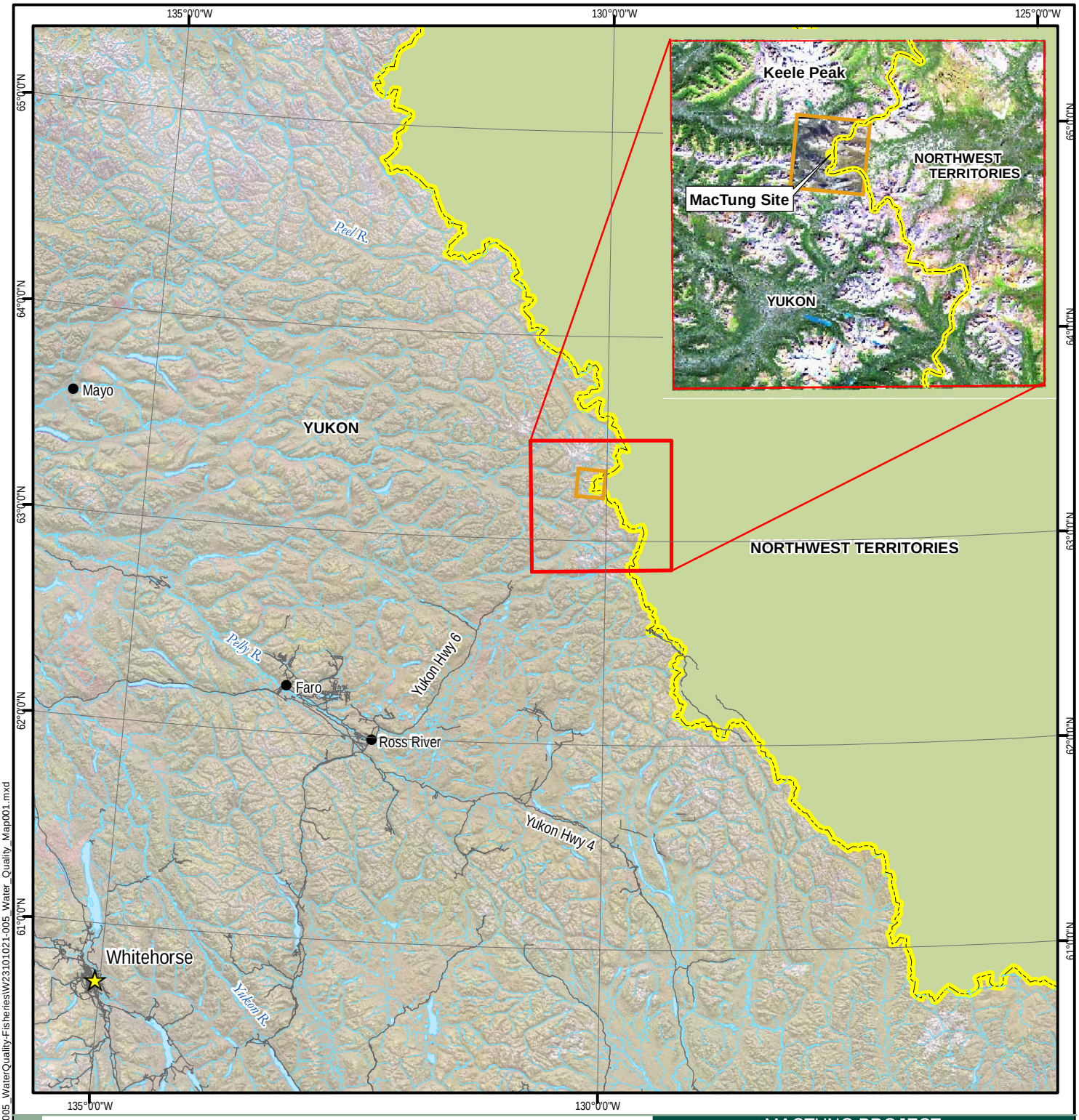
North American Tungsten Corporation Ltd. retained EBA Engineering Consultants Ltd. (EBA) to continue the monitoring of water quality parameters within various headwater streams, rivers, and lakes occurring within the Hess (Yukon) and Tsichu (Northwest Territories) watersheds (Figure 1). This water quality monitoring program comprises part of a comprehensive environmental baseline program which was initiated in 2006 to update historic baseline studies conducted in the 1970's by AMAX (1980).

The main purpose of the 2007 water quality sampling program was to maintain and repeat the 2006 baseline water sampling program in preparation for anticipated regulatory applications for the proposed Mactung project.

Eight water quality sampling (WQ) stations from the 2006 program were re-sampled, four of which were located in each of the upper Hess River (Yukon) and upper Tsichu River (Northwest Territories) systems (Figure 2). The sampling period for the 2007 program mirrored that of the 2006 June, July, August, and September sampling events, wherever possible, to represent similar water quality conditions between sampling years. The Universal Transverse Mercator (UTM) co-ordinates for each water quality sampling station during the 2007 program are provided in Table 1.

TABLE 1. UTM COORDINATES FOR 2007 MACTUNG WATER QUALITY SAMPLING STATIONS

Water Quality Station	General Description	Northing	Easting
Yukon Watersheds			
WQ 1	Tributary C of Hess River Tributary	7 017 940	437 079
WQ 2	Tributary A of Hess River Tributary	7 020 369	433 977
WQ 3	Hess River tributary, upstream of confluence with Tributary A	7 021 804	435 456
WQ 4	Hess River tributary, downstream of confluence with Tributary A	7 020 798	431 416
Northwest Territories Watersheds			
WQ 5	Dale Creek	7 015 917	444 966
WQ 6	Upper Tsichu River	7 016 906	448 800
WQ 7	Mid Tsichu River	7 019 159	453 768
WQ 8	Outlet of Cirque Lake, upper Tsichu River	7 018 381	443 681



LEGEND

- Territorial Boundary
- Local Study Area
- Watercourse
- Waterbody
- Roads

N
W E
S

NOTES Landsat TM imagery Earthsat acquired Sept,17, 1995
Bands 432 enhanced

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WATER QUALITY SAMPLING PROGRAM

Project Area

PROJECTION	DATUM
UTM Zone 9	NAD83

Scale: 1:3,000,000

0 12.5 25 50 75 100

Kilometres

FILE NO.
W23101021-005_Water_Quality_Map001.mxd

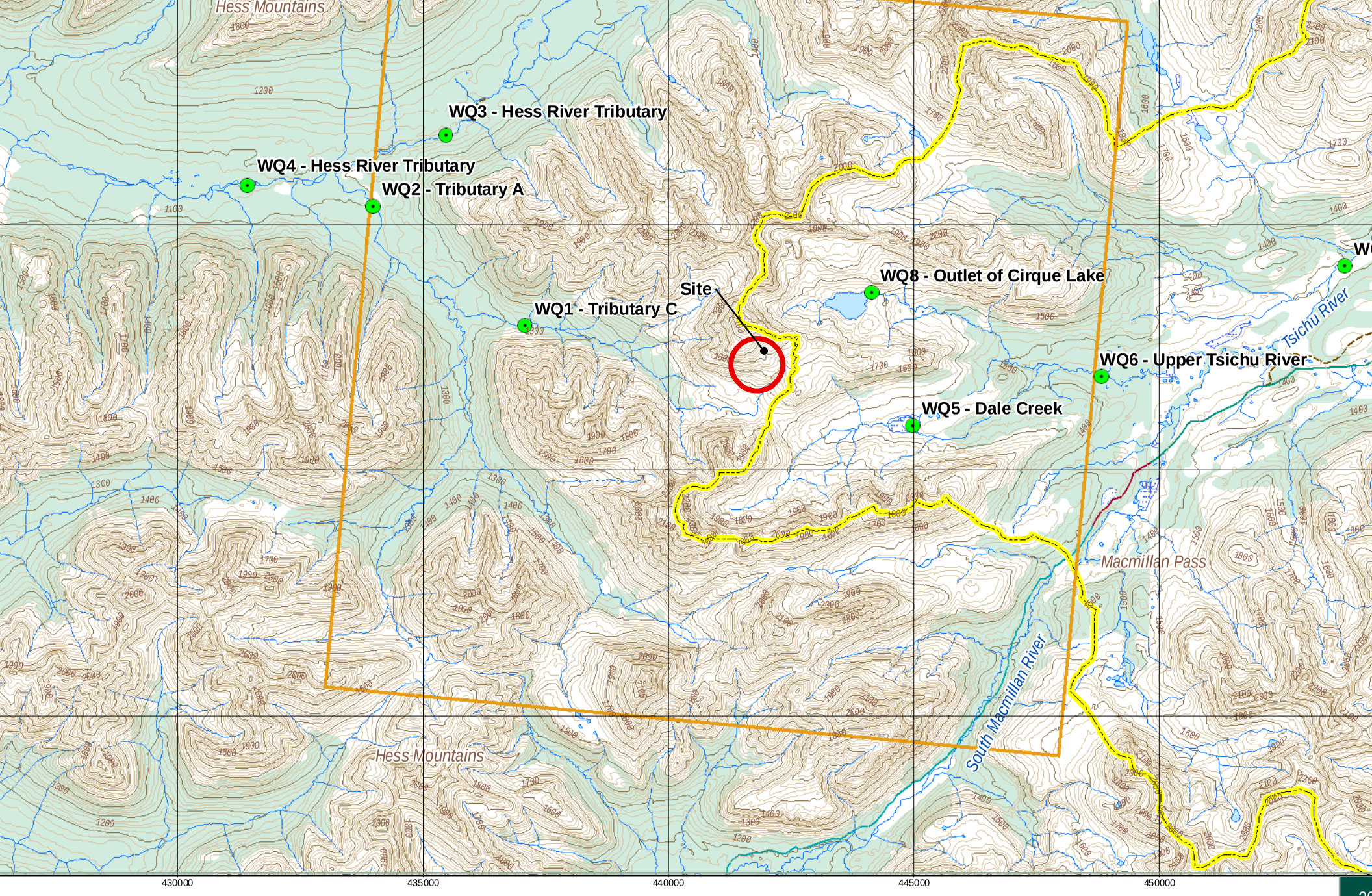
PROJECT NO.	DWN	CKD	REV
W23101021.005	BGP	CG	0

OFFICE	DATE
EBA-VANC	November 22, 2007

EBA Engineering Consultants Ltd.

Figure 1

Q:\Vancouver\GIS\ENVIRONMENTAL\W231\W23101021_MacTungMaps\005_WaterQuality-Fisheries\W23101021-005_Water_Quality_Map001.mxd


WQ3 - Hess River Tributary
WQ4 - Hess River Tributary
WQ2 - Tributary A
WQ1 - Tributary C
Site
WQ8 - Outlet of Cirque Lake
WQ6 - Upper Tsichu River
WQ5 - Dale Creek
Tsichu River
Macmillan Pass
South Macmillan River
Hess Mountains
Hess Mountains
430000
435000
440000
445000
450000

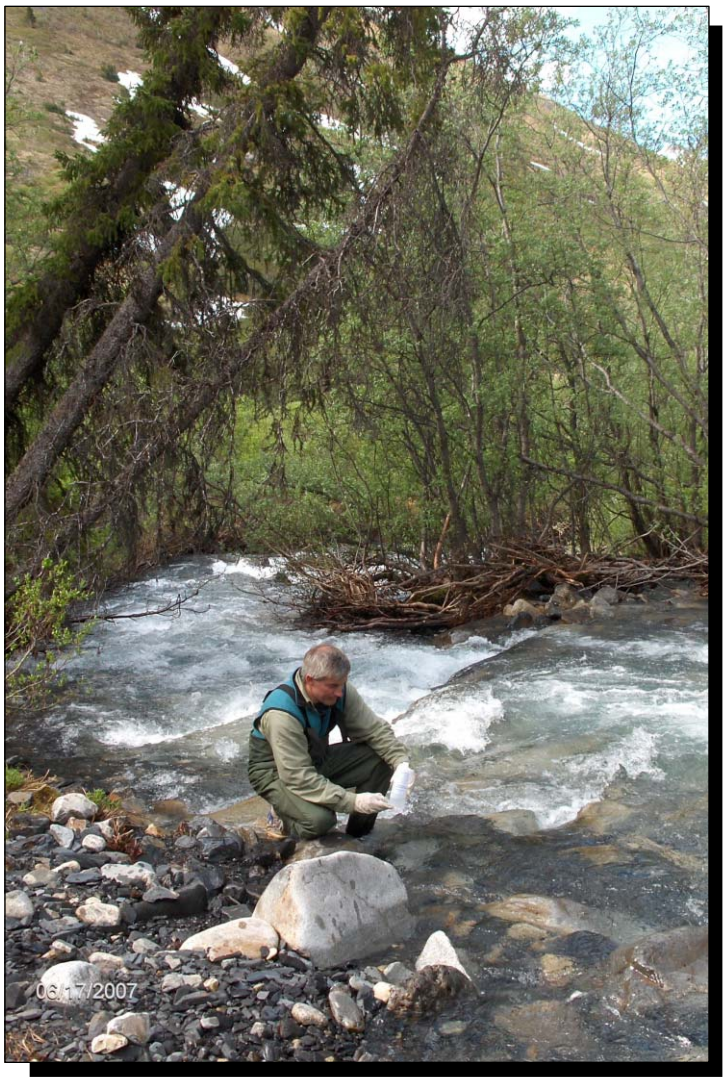
2.0 METHODS

ALS Environmental (ALS) of Edmonton, Alberta prepared the sampling bottles, travel blanks, and conducted the laboratory analyses. ALS is accredited by the Canadian Association for Environmental Analytical Laboratories (CAEAL) for the parameters analyzed. Water sampling bottles were prepared as appropriate and powderless latex gloves were worn during handling of bottles to minimize contamination. Travel blank bottles were prepared and handled in the same manner to assess potential contamination. Travel blanks were filled with de-ionized water and preserved by ALS prior to shipment along with the sample bottles. Travel blank bottles remained sealed until returned to the laboratory for analysis. One set of travel blanks was used for each sampling event and were used for the Quality Assurance and Quality Control (QA/QC) program.

Once in the field, water samples were collected at each of the eight water quality stations during all four sampling periods (June 17 - 19, July 10 – 11, August 14 – 17, and September 4 – 5). Water quality samples were collected by Steve Moore and Karla Langlois in June, Chris Jastrebski and Karla Langlois in July and August, and Steve Moore and Chris Jastrebski in September. Standard accepted sampling practices were used throughout the sampling events to ensure accurate results (Photograph 1). Powderless gloves were worn at all times when in contact with the sampling equipment and bottles. All sample bottles and tops were "conditioned" by rinsing three times with water at each sampling site before drawing the sample. Water quality samples were collected with the sampling personnel facing upstream (or into the wind on Cirque Lake) to prevent possible contamination of the sample with sediment.

Water quality samples were collected and analyzed for standard analytical parameters including total organic carbon, low-level nutrients, low-level routine water chemistry (major ions and physical parameters), and ultra-low level total and dissolved metals. A list of the parameters and laboratory detection limits is presented in Appendix A. Ultra-low level analyses of total and dissolved metals were targeted; however, during periods of naturally high suspended solids (turbidity greater than 1 NTU) in the watercourse total and dissolved metal samples were analyzed at low level rather than ultra-low level due to laboratory equipment limitations.

Water quality samples were compared with the Canadian Council of Ministers of the Environment (CCME) Canadian Water Quality Guidelines for the Protection of Freshwater Aquatic Life (FAL) (July 2006). The ability to accurately detect water quality parameters is reduced when using low level analysis. When metals are analyzed at low level the detection limits of some parameters may be above the applicable CCME guideline. This makes it difficult to determine whether or not the reported parameter concentration is actually above or below the CCME guideline.



Photograph 1
Water quality sampling at WQ 1 using standard accepted sampling practices.

Field collected nutrient samples were preserved with 2 millilitre (mL) of 1:1 sulfuric acid. The dissolved metal samples were field filtered using dedicated disposable Nalgene 45-micrometre (µm) filters. These field filters and associated apparatus were also rinsed three times with source water prior to drawing the sample. Water quality samples collected for both total and dissolved metals were preserved using 1 mL of ultra-pure 1:1 nitric acid. Water quality samples collected for total organic carbon were preserved with 1 mL of 1:1 sulfuric acid. All water quality samples were transported in portable coolers with ice packs to ensure appropriate preservation the samples.

As part of the QA/QC program, field blanks, filter blanks, and duplicates were also collected. Together with the travel blanks, this QA/QC program assesses potential contamination from sample containers, equipment, sampling and handling procedures, and laboratory methods. Field blanks were prepared in the field in the same manner as other field samples, except they were filled with laboratory supplied de-ionized water. One set of field blanks was collected during each sampling event. Filter blanks involved submitting an unused disposable 45-µm Nalgene filter to the laboratory to determine the possible introduction of metals into the dissolved metal samples from the filtering process. Filter blanks were only analyzed for dissolved metals. Duplicate sampling was also used in the QA/QC program. Duplicate samples were collected in the field at the same water quality stations and in the same manner as the field samples. Two sets of duplicate samples were collected during each of the four sampling events.

3.0 QUALITY ASSURANCE AND QUALITY CONTROL RESULTS AND DISCUSSION

ALS analyzed the travel blanks, filter blanks, field blanks, and duplicate samples for each of the four sampling events (June, July, August, and September). Tables 2, 3, and 4 summarize the results of the QA/QC program. All laboratory results for each sampling event are provided in Appendix B. Raw laboratory results are provided in Appendix C.

3.1 TRAVEL BLANKS

The results of the travel blank analysis determined that pH values were consistently below the CCME guideline of 6.5, and conductivity levels were detectable during all four sampling events (Table 2). In addition, several other parameters in the travel blanks were at detectable concentrations throughout the sampling events (Table 2). Parameters detected and/or outside the CCME guideline values in the travel blanks can be attributed to one or a combination of five sources: de-ionized water, preservatives, filters, bottles/containers, and laboratory errors.

TABLE 2. SUMMARY OF ANALYSIS – TRAVEL BLANKS					
Parameter	June	July	August	September	Detection Limits
Major Ions, Nutrients, and Inorganics					
pH	√*	√*	√*	√*	0.1 pH
Conductivity (EC)	√	√	√	√	0.2 uS/cm
Total Organic Carbon				√	1 mg/L
Turbidity	√				0.1 NTU
Ammonia – N		√	√		0.005 mg/L
Total Ultra-Low Level Metals					
Aluminum (Al)		√			0.0003 mg/L
Iron (Fe)		√			0.005 mg/L
Dissolved Ultra-Low Level Metals					
Aluminum (Al)		√			0.0003 mg/L
Iron (Fe)		√			0.005 mg/L

√ indicates parameter at or above detection limits.
* indicates parameter is outside CCME Guidelines.

3.2 FILTER BLANKS

Filter blanks were submitted during the July and August sampling events. Results indicate a total of eight parameters were detectable from the analysis of an unused disposable 45-µm Nalgene filter (Table 3). Although no parameter concentrations were outside the CCME guideline values (Table 3). Filter blank results indicate there are various detectable parameters existing on the filters which may pose as a source of dissolved metal contamination in both the field samples, duplicates, and the field blanks where these filters were used.

TABLE 3. SUMMARY OF ANALYSIS – FILTER BLANKS			
Parameter	July	August	Detection Limits
Dissolved Ultra-Low Level Metals			
Barium	√		0.0003 mg/L
Calcium	√	√	0.02 mg/L
Iron (Fe)	√		0.005 mg/L
Manganese	√		0.0001 mg/L
Nickel	√	√	0.00006 mg/L
Sodium	√	√	0.005 mg/L
Strontium	√		0.0001 mg/L
Zinc	√	√	0.0008 mg/L

√ indicates parameter at or above detection limits.

3.3 FIELD BLANKS

Numerous parameters in the field blanks including nutrients, inorganics, total metals, and dissolved metals were found at detectable concentrations (Table 4). However, only pH values in June and September were found to be below the CCME guideline value of 6.5 (Table 4). Detectable parameters outside the CCME guideline values in the field blanks can be attributed to one or a combination of five sources: de-ionized water, preservatives, filters, bottles/containers, and laboratory errors.

TABLE 4. SUMMARY OF ANALYSIS – FIELD BLANKS					
Parameter	June	July	August	September	Detection Limits
Major Ions, Nutrients, and Inorganics					
Potassium (K)	√			√	0.1 mg/L
Sodium (Na)				√	1 mg/L
TDS (Calculated)				√	-
pH	√*X	√X	√X	√*X	0.1 pH
Conductivity (EC)	√X	√X	√X	√X	0.2 uS/cm
Phosphorus, Total				√	0.001 mg/L
Total Suspended Solids				√	3 mg/L
Turbidity	√X				0.1 NTU
Total Ultra-Low Level Metals					
Aluminum (Al)	√X	√X	√X	√X	0.0003 mg/L
Barium (Ba)	√	√	√	√	0.00005 mg/L
Calcium (Ca)	√	√	√	√	0.02 mg/L
Iron (Fe)		√X			0.005 mg/L
Silicon (Si)	√	√	√		0.1 mg/L
Sodium (Na)	√	√	√	√	0.005 mg/L
Strontium (Sr)			√		0.0001 mg/L
Tin (Sn)	√	√	√	√	0.0001 mg/L
Dissolved Ultra-Low Level Metals					
Aluminum (Al)	√		√		0.0003 mg/L
Barium (Ba)	√X	√X	√X	√X	0.00005 mg/L
Calcium (Ca)	√X	√X	√X	√X	0.02 mg/L
Iron (Fe)		√X			0.005 mg/L
Manganese (Mn)		√X			0.0001 mg/L
Nickel (Ni)		√X	√X	√X	0.00006 mg/L
Silicon (Si)	√	√	√	√	0.1 mg/L
Sodium (Na)	√X	√X	√X	√X	0.005 mg/L
Strontium (Sr)	√X	√X	√X	√X	0.0001 mg/L
Tin (Sn)	√		√	√	0.0001 mg/L
Zinc (Zn)	√X	√X	√X	√X	0.0008 mg/L

√ indicates parameter at or above detection limits.

* indicates parameter is outside the CCME Guideline values

X indicates source of parameter may have been introduced from de-ionized water, filters, and/or bottles/containers based on results from the travel and filter blanks.

To determine the source of the detectable parameters in the field blanks, laboratory analyses of the field blanks were compared to the travel and filter blanks. Comparisons between the field and travel blanks may indicate the de-ionized water as the source of contamination, whereas, comparisons with the filter blanks may indicate the filters as a possible source. In the previous section above (Section 3.2 *Filter Blanks*), it was indicated the filters were the source of contaminants found in the filter blanks.

3.4 DUPLICATES

Two duplicate samples were collected for each sampling event and were analyzed for total and dissolved ultra-low level metals (low level if abundant suspended solids were present in the sample), total organic carbon, low-level nutrients, and low-level routine water chemistry.

ALS performed a statistical analysis on the all the duplicate samples to determine if the duplicates were statistically the "same" or "different" from the original samples. The results of the analysis indicated that in general the duplicates were the same as their original samples.

During the June and September sampling events, total cadmium concentrations were at the laboratory detection limit (0.00005 mg/L) (and hence above the CCME guideline value of 0.00002 mg/L) in the field samples, but were undetected in the duplicate samples. Similarly, during the July sampling event, dissolved cadmium concentrations were at detection limits (and hence above the CCME guideline value) in the duplicate sample, but not detected in the field sample.

4.0 WATER SAMPLE ANALYTICAL RESULTS AND DISCUSSION

A summary of all laboratory results for each sampling event is provided in Appendix B. Raw laboratory results are provided in Appendix C.

4.1 PHYSICAL PARAMETERS, NUTRIENTS, MAJOR IONS, AND INORGANICS

This section has been organized into physical parameters (including pH and electrical conductivity), nutrients (ammonia – N, nitrate, and total phosphorus), major ions, (calcium, potassium, magnesium, sodium, and iron - extractable), and inorganics (total organic carbon). Detailed discussions of these parameters were selected for this report, since the analyses of these particular parameters are those that typically show as early signs of anthropogenic disturbances. Additional nutrients, major ions, and inorganics that were analyzed for the 2007 program are summarized in Appendix B; however, were not discussed in detail.

Due to laboratory error (samples lost), physical parameters, nutrients, and major ions at WQ 6 were not analyzed for the June sampling event.

4.1.1 pH

pH values were comparable throughout the four sampling events; however, pH values in June were the lowest (Table 5). Average pH values in June were 7.0, compared to 7.5 in July, August, and September. Water quality stations WQ 2, WQ 7, and WQ 8 exhibited the lowest average pH, whereas, WQ 1, WQ 5, and WQ 6 had the highest (Table 5). The overall average pH of the water samples were 7.4 (slightly alkaline).

The pH of all water samples analyzed from the study area were within the CCME guideline range of 6.5 – 9.0, and are considered to be representative of natural background conditions for these waters.

TABLE 5. SUMMARY OF 2007 MACTUNG PROJECT pH RESULTS

Water Quality Stations	pH Values during each Sampling Event				Water Quality Station Average
	June	July	August	September	
Yukon Watersheds					
WQ 1	7.4	7.9	7.8	7.8	7.7
WQ 2	7.0	7.5	6.9	6.9	7.1
WQ 3	7.1	7.6	7.4	7.6	7.4
WQ 4	7.2	7.5	7.5	7.5	7.4
Sampling Event Average for Yukon Watersheds	7.2	7.6	7.4	7.5	7.4
Northwest Territories Watersheds					
WQ 5	7.3	7.7	7.8	7.8	7.7
WQ 6	NA	7.8	7.9	7.9	7.9
WQ 7	6.6	6.8	7	7.2	6.9
WQ 8	6.7	7.2	7.2	7.2	7.1
Sampling Event Average for NWT Watersheds	6.9	7.4	7.5	7.5	7.3

NA indicates Not Analyzed

4.1.2 Electrical Conductivity

Electrical conductivity (EC) varied among sampling events and water stations (Table 6). Water quality stations WQ 1, WQ 2, and WQ 6 exhibited the highest average EC values and WQ 8 was substantially lower (Table 6). All water quality stations exhibited average EC values above 100 micro-siemens per centimetre (µS/cm) except WQ 8 (average 57.9 µS/cm).

There is no CCME guideline criterion for EC values in freshwater aquatic systems. However, existing EC values are considered to be representative of natural background conditions for these waters.

TABLE 6. SUMMARY OF 2007 MACTUNG PROJECT ELECTRICAL CONDUCTIVITY RESULTS

Water Quality Stations	EC Values during each Sampling Event (µS/cm)				Water Quality Station Average (µS/cm)
	June (µS/cm)	July (µS/cm)	August (µS/cm)	September (µS/cm)	
Yukon Watersheds					
WQ 1	220	266	345	379	302.5
WQ 2	218	256	294	328	274.0
WQ 3	95.7	92.1	80.5	135	100.8
WQ 4	135	126	166	200	157
Sampling Event Average (µS/cm) for Yukon Watersheds	167	185	221	261	209
Northwest Territories Watersheds					
WQ 5	113	127	199	208	161.8
WQ 6	NA	129	186	195	170.0
WQ 7	125	131	178	183	154.3
WQ 8	35.6	57.1	66.9	72	57.9
Sampling Event Average (µS/cm) for NWT Watersheds	91	111	157	165	1354

NA indicates Not Analyzed

4.1.3 Ammonia-N

Ammonia – N (total ammonia) concentrations during the 2007 sampling program ranged from below detection (0.005 mg/L) to 0.026 mg/L (Table 7). In June, all Ammonia – N concentrations were below detection limits. Similarly, Ammonia – N concentrations at WQ 1 and WQ 8 were below the detection limit throughout the sampling program. However, all Ammonia – N concentrations are low, and well within the appropriate CCME guideline value. Appropriate Ammonia – N values under the CCME FAL guidelines are 10.3 – 48.3 mg/L (CCME guidelines are pH and water temperature dependent; therefore, the guidelines presented here are specific to the water pH and temperatures ranging from 5 – 10 degree Celsius, which were recorded during each sampling event). Ammonia – N concentrations reported throughout the sampling program are considered to be representative of natural background conditions for these waters.

TABLE 7. SUMMARY OF 2007 MACTUNG PROJECT AMMONIA – N RESULTS					
Water Quality Stations	Ammonia - N Concentrations during each Sampling Event (mg/L)				Water Quality Station Average (mg/L)
	June	July	August	September	
Yukon Watersheds					
WQ 1	<	<	<	<	0.005
WQ 2	<	0.009	0.007	0.011	0.008
WQ 3	<	<	<	0.011	0.007
WQ 4	<	0.006	0.007	<	0.006
Sampling Event Average (mg/L) for Yukon Watersheds	0.005	0.006	0.006	0.0081	0.006
Northwest Territories Watersheds					
WQ 5	<	<	<	0.006	0.005
WQ 6	NA	0.006	<	<	0.005
WQ 7	<	0.009	0.005	0.026	0.011
WQ 8	<	<	<	<	0.005
Sampling Event Average (mg/L) for NWT Watersheds	0.005	0.006	0.005	0.011	0.007

NA indicates Not Analyzed

< indicates below laboratory detection limits (0.005 mg/L). In calculating averages, the detection limit of 0.005 mg/L was used to represent all analytical results below detection limits.

4.1.4 Nitrate

Nitrate concentrations among water quality stations were similar throughout the sampling program. Reported nitrate concentrations ranged from below detection limits (0.006 mg/L) to 0.072 mg/L (Table 8). Nitrate concentrations were all below the CCME guideline values (13.0 mg/L). Water quality stations WQ 1 and WQ 2 exhibited the highest average nitrate concentrations throughout the sampling program; whereas, WQ 3 and WQ 8 recorded the lowest (Table 8). Nitrate concentrations reported throughout the water quality sampling program are considered to be representative of natural background conditions for these waters.

TABLE 8. SUMMARY OF 2007 MACTUNG PROJECT NITRATE RESULTS					
Water Quality Stations	Nitrate Concentrations during each Sampling Event (mg/L)				Water Quality Station Average (mg/L)
	June	July	August	September	
Yukon Watersheds					
WQ 1	0.071	0.037	0.031	0.048	0.047
WQ 2	0.072	0.049	0.046	0.053	0.055
WQ 3	0.029	0.015	<	0.008	0.015
WQ 4	0.041	0.028	0.017	0.021	0.027
Sampling Event Average (mg/L) for Yukon Watersheds	0.053	0.032	0.025	0.033	0.036
Northwest Territories Watersheds					
WQ 5	0.037	0.043	0.016	0.034	0.033
WQ 6	NA	0.037	0.009	<	0.017
WQ 7	0.040	0.037	0.027	0.029	0.033
WQ 8	0.020	0.008	<	0.008	0.011
Sampling Event Average (mg/L) for NWT Watersheds	0.032	0.031	0.016	0.019	0.024

NA indicates Not Analyzed

< indicates below laboratory detection limits (0.006 mg/L). In calculating averages, the detection limit of 0.006 mg/L was used to represent all analytical results below detection limits.

4.1.5 Total Phosphorous

Total phosphorus concentrations were similar between water quality stations ranging from below detection limit (0.003 mg/L) to 0.049 mg/L throughout the sampling program (Table 9). Water quality station WQ 7 exhibited the highest average total phosphorus concentrations and WQ 8 had the lowest (Table 9). The average total phosphorus concentrations remained similar amongst sampling events.

There are no CCME guidelines for total phosphorus concentrations in freshwater aquatic systems. However, existing total phosphorus concentrations are considered to be representative of natural background conditions for these waters.

TABLE 9. SUMMARY OF 2007 MACTUNG PROJECT TOTAL PHOSPHORUS RESULTS					
Water Quality Stations	Phosphorus Concentrations during each Sampling Event (mg/L)				Water Quality Station Average (mg/L)
	June	July	August	September	
Yukon Watersheds					
WQ 1	0.007	0.003	0.003	0.004	0.004
WQ 2	0.020	0.012	0.018	0.021	0.018
WQ 3	0.013	0.010	0.014	0.007	0.011
WQ 4	0.015	0.013	0.010	0.009	0.012
Sampling Event Average (mg/L) for Yukon Watersheds	0.014	0.010	0.011	0.010	0.011
Northwest Territories Watersheds					
WQ 5	0.008	0.004	0.002	0.004	0.005
WQ 6	NA	0.023	0.003	0.003	0.010
WQ 7	0.049	0.028	0.026	0.020	0.031
WQ 8	0.004	0.001	<	0.001	0.002
Sampling Event Average (mg/L) for NWT Watersheds	0.020	0.014	0.008	0.007	0.012

NA indicates Not Analyzed

< indicates below laboratory detection limits (0.001 mg/L). In calculating averages, the detection limit of 0.001 mg/L was used to represent all analytical results below detection limits.

4.1.6 Calcium

Calcium concentrations increased gradually amongst water quality stations and with sampling events (Table 10). Water quality stations WQ 1 and WQ 2 recorded the highest average calcium concentrations throughout the sampling program and WQ 3 and WQ 8 exhibited the lowest (Table 10). Calcium concentrations ranged from 4.9 to 60.4 mg/L (Table 10).

There are no CCME guidelines for calcium concentrations in freshwater aquatic systems. However, existing calcium concentrations are considered to be representative of natural background conditions for these waters.

TABLE 10. SUMMARY OF 2007 MACTUNG PROJECT CALCIUM RESULTS					
Water Quality Stations	Calcium Concentrations during each Sampling Event (mg/L)				Water Quality Station Average (mg/L)
	June	July	August	September	
Yukon Watersheds					
WQ 1	33.7	45.8	59.4	60.4	49.8
WQ 2	27.2	35.1	38.6	41.6	35.6
WQ 3	9.4	9.9	8.3	13.5	10.3
WQ 4	14.7	14.9	18.9	22.5	17.8
Sampling Event Average (mg/L) for Yukon Watersheds	21.3	26.4	31.3	34.5	28.4
Northwest Territories Watersheds					
WQ 5	16.3	19.7	30.5	31.0	24.4
WQ 6	NA	20.3	28.6	29.0	26.0
WQ 7	15.2	16.9	23.3	22.5	19.5
WQ 8	4.9	8.8	9.4	10.3	8.4
Sampling Event Average (mg/L) for NWT Watersheds	12.1	16.4	23.0	23.2	19.1

NA indicates Not Analyzed

4.1.7 Potassium

Potassium concentrations increased gradually amongst water quality stations throughout the sampling program; however, WQ 1 and WQ 6 exhibited the highest potassium concentrations and WQ 8 recorded the lowest (Table 11). Potassium concentrations ranged from an average of 0.3 mg/L to 0.9 mg/L over the season. In addition, average potassium concentrations ranged from 0.4 mg/L in June to 0.7 mg/L in September.

There are no CCME guidelines for potassium concentrations in freshwater aquatic systems. However, existing potassium concentrations are considered to be representative of natural background conditions for these waters.

TABLE 11. SUMMARY OF 2007 MACTUNG PROJECT POTASSIUM RESULTS					
Water Quality Stations	Potassium Concentrations during each Sampling Event (mg/L)				Water Quality Station Average (mg/L)
	June	July	August	September	
Yukon Watersheds					
WQ 1	0.5	0.9	1.0	1.2	0.9
WQ 2	0.4	0.7	0.5	0.6	0.6
WQ 3	0.3	0.6	0.6	0.5	0.5
WQ 4	0.4	0.4	0.5	0.5	0.5
Sampling Event Average (mg/L) for Yukon Watersheds	0.4	0.7	0.7	0.7	0.6
Northwest Territories Watersheds					
WQ 5	0.4	0.6	0.7	0.8	0.6
WQ 6	NA	0.6	0.7	0.8	0.7
WQ 7	0.4	0.6	0.5	0.6	0.5
WQ 8	0.1	0.3	0.3	0.3	0.3
Sampling Event Average (mg/L) for NWT Watersheds	0.3	0.5	0.6	0.6	0.5

NA indicates Not Analyzed

4.1.8 Magnesium

Magnesium concentrations increased gradually amongst water quality stations and sampling events (Table 12). Water quality stations WQ 2 and WQ 4 exhibited the highest average magnesium concentrations; whereas, WQ 8 recorded the lowest (Table 12). In addition, magnesium concentrations increased with each sampling event.

There are no CCME guidelines for magnesium concentrations in freshwater aquatic systems. However, existing magnesium concentrations are considered to be representative of natural background conditions for these waters.

TABLE 12. SUMMARY OF 2007 MACTUNG PROJECT MAGNESIUM RESULTS					
Water Quality Stations	Magnesium Concentrations during each Sampling Event (mg/L)				Water Quality Station Average (mg/L)
	June	July	August	September	
Yukon Watersheds					
WQ 1	3.3	3.8	4.8	6.5	4.6
WQ 2	7.0	8.6	9.6	11.3	9.1
WQ 3	4.2	4.3	3.2	6.5	4.6
WQ 4	5.2	5.1	6	8.1	6.1
Sampling Event Average (mg/L) for Yukon Watersheds	4.9	5.5	5.9	8.1	6.1
Northwest Territories Watersheds					
WQ 5	2.1	2.6	3.8	4.1	3.2
WQ 6	NA	2.6	3.5	4.0	3.4
WQ 7	3.2	3.6	5.0	5.2	4.3
WQ 8	0.3	0.5	0.4	0.6	0.5
Sampling Event Average (mg/L) for NWT Watersheds	1.9	2.3	3.2	3.5	2.9

NA indicates Not Analyzed

4.1.9 Sodium

Most water quality samples exhibited sodium concentrations below the detection limit (1 mg/L), except water collected from WQ 1. Sodium concentrations at WQ 1 were 1.0 mg/L during the June and July sampling events, and 2.0 mg/L during August and September (Appendix B).

There are no CCME guidelines for sodium concentrations in freshwater aquatic systems. However, existing sodium concentrations are considered to be representative of natural background conditions for these waters.

4.1.10 Iron – Extractable

Iron – extractable concentrations in the water quality samples were mainly below or at the detection limit (0.05 mg/L) at most of the water quality sampling stations throughout the 2007 program (Table 13). However, iron – extractable concentrations were above the CCME FAL guideline value at WQ 2 and WQ 7 during the June, July, and August sampling periods (Table 13).

Existing iron-extractable concentrations are considered to be representative of natural background conditions for these waters.

TABLE 13. SUMMARY OF 2007 MACTUNG PROJECT IRON – EXTRACTABLE RESULTS

Water Quality Stations	Iron - Extractable Concentrations during each Sampling Event (mg/L)				Water Quality Station Average (mg/L)
	June	July	August	September	
Yukon Watersheds					
WQ 1	<	<	<	0.26	0.10
WQ 2	**0.44**	**0.42**	**0.32**	<	**0.31**
WQ 3	<	<	<	<	0.05
WQ 4	0.10	0.10	0.17	<	0.11
Sampling Event Average (mg/L) for Yukon Watersheds	0.16	0.16	0.15	0.10	0.14
Northwest Territories Watersheds					
WQ 5	<	<	<	<	0.05
WQ 6	NA	<	<	<	0.05
WQ 7	**1.05**	**0.72**	**0.87**	0.06	**0.68**
WQ 8	<	<	<	<	0.05
Sampling Event Average (mg/L) for NWT Watersheds	**0.38**	0.22	0.26	0.05	0.22

NA indicates Not Analyzed

< indicates below laboratory detection limits (0.05 mg/L). In calculating averages, the detection limit of 0.05 mg/L was used to represent all analytical results below detection limits.

BOLD Indicates above the CCME FAL guideline value (0.30 mg/L)

4.2 TOTAL ORGANIC CARBON

Total organic carbon (TOC) concentrations varied slightly between water quality sampling stations and sampling events. TOC concentrations during the water quality sampling program ranged from below the detection limit (1.0 mg/L) to 2.0 mg/L (Table 14). In June, TOC concentrations at each water quality sampling station were below the detection limit, whereas, the average TOC concentration in July was 1.5 mg/L. In August and September the average TOC concentrations were at or below the detection limit (1.0 mg/L)).

There are no CCME guidelines for TOC concentrations in freshwater aquatic systems. However, existing TOC concentrations are considered to be representative of natural background conditions for these waters.

TABLE 14. SUMMARY OF 2007 MACTUNG PROJECT TOTAL ORGANIC CARBON RESULTS					
Water Quality Stations	TOC Concentrations during each Sampling Event (mg/L))				Water Quality Station Average (mg/L)
	June	July	August	September	
Yukon Watersheds					
WQ 1	<	1	<	<	1.0
WQ 2	<	1	<	1	1.0
WQ 3	<	2	1	1	1.3
WQ 4	<	2	1	1	1.3
Sampling Event Average (mg/L) for Yukon Watersheds	1.0	1.5	1.0	1.0	1.1
Northwest Territories Watersheds					
WQ 5	<	1	1	1	1.0
WQ 6	<	2	1	1	1.3
WQ 7	<	2	<	1	1.3
WQ 8	<	1	<	1	1.0
Sampling Event Average (mg/L) for NWT Watersheds	1.0	1.5	1.0	1.0	1.1

< indicates below laboratory detection limits (1.0 mg/L). In calculating averages, the detection limit of 1.0 mg/L was used to represent all analytical results below detection limits.

4.3 TRACE METALS

Total and dissolved metals ranged from below laboratory detection limits to above the CCME FAL guideline values for aluminum, cadmium, copper, iron, nickel selenium, and zinc. Table 15 presents a summary of the metals below laboratory detection limits, above detection limits but within CCME FAL guidelines, and those exceeding the CCME FAL guideline values.

Analyses were completed using low level (rather than ultra – low level), at WQ 2, WQ 3, WQ 4, WQ 5, WQ 6, and WQ 7 during the June event, stations WQ 2, WQ 3, WQ 4, WQ 5, and WQ 6 during the July event, and WQ 3 during August due to high turbidity levels. However, if cadmium and/or silver were reported as below low level detection limits (0.0002 mg/L and 0.0004 mg/L, respectively), it is unknown whether these parameters were above the CCME guideline values (0.00003 mg/L and 0.0001 mg/L, respectively) (Table 15).

TABLE 15. TOTAL AND DISSOLVED METAL ANALYSES COMPARISON			
Metals Below Ultra – Low Detection Limits	Metals Above Ultra – Low Detection Limits but Below CCME FAL*	Metals Above Ultra – Low Detection Limit and Above CCME FAL*	Metals Below Low Level Detection Limits and Possibly Above CCME FAL*
Beryllium**	Antimony	Aluminum	Cadmium
Bismuth	Arsenic***	Cadmium	Silver
Mercury	Barium	Copper	
Silver	Boron	Iron	
Tin	Chromium	Nickel	
Thallium	Calcium	Selenium	
	Cobalt	Zinc	
	Lead****		
	Lithium		
	Magnesium		
	Manganese		
	Molybdenum		
	Potassium		
	Silicon		
	Sodium		
	Strontium		
	Uranium		
	Vanadium		
	Titanium		

*Canadian Council of Ministers of the Environment – Canadian Water Quality Guidelines for the Protection of Freshwater Aquatic Life (Updated July 2006)

** Beryllium concentrations all below the detection limit except for one station in September and two in August

*** Arsenic concentrations all above the detection limit but below the CCME guideline values except for one station in June

**** Lead concentrations all above the detection limit but below the CCME guideline values except for one station in June

Total aluminum concentrations were consistently over the CCME guideline values; however, dissolved aluminum concentrations were not. The number of aluminum exceedances gradually declined throughout the seasonal sampling program. In June, aluminum exceedances were reported at all water quality sampling stations except WQ 8. In July, six water quality stations exhibited aluminum concentrations above the CCME guideline value and in August and September five stations reported concentrations above the CCME guideline (Table 16).

TABLE 16. SUMMARY OF METALS EXCEEDING CCME GUIDELINES DURING THE SAMPLING PROGRAM

Metals Exceeding the CCME Guideline Values	Water Quality Stations with Parameters Exceeding CCME Guidelines during the Sampling Program[1]			
	June	July	August	September
Total Metals				
Aluminum	1, 2, 3, 4, 5, 6, 7	1, 2, 3, 4, 6, 7	1, 2, 3, 4, 7	1, 2, 3, 4, 7
Cadmium	All*	All**	All**	All
Copper	1, 2, 4, 6, 7	1, 2, 4, 7	1, 2, 4, 7	1, 2, 4, 7
Iron	2, 3, 4, 5, 6, 7	2, 3, 4, 6, 7	2, 3, 4, 7	2, 3, 4, 7
Nickel	1, 2, 7	2, 7	2, 7	2, 7
Selenium	1, 2	1, 2	1, 2, 5, 6	1, 2, 5, 6
Zinc	1, 2, 4, 6, 7	1, 2, 4, 7	1, 2, 4, 7	1, 2, 4, 7
Dissolved Metals				
Cadmium	1, 2, 4, 5, 6, 7, 8	1, 2, 4, 5, 6, 7	1, 2, 4, 5, 6, 7	None
Copper	2, 7	2, 4, 7	2, 7	2, 4, 7
Iron	7	None	None	None
Nickel	2, 7	2, 7	2, 7	2, 7
Selenium	1, 2	1, 2	1, 2, 4, 5, 6	1, 2, 4, 5, 6
Zinc	1, 2, 4, 7	1, 2, 4, 7	1, 2, 4, 7	1, 2, 4, 7

1. Values indicate the water quality station (WQ) whose parameters exceed the CCME guideline values

* Cadmium concentrations at WQ 3 may be above the CCME Guideline values; however, we are unable to determine due to the low level analyses

** Cadmium concentrations at WQ 3 and WQ 8 may be above the CCME Guideline values; however, we are unable to determine due to the low level analyses

Total and dissolved cadmium concentrations were consistently over the CCME guideline values. Total cadmium concentrations were above guidelines at all water quality sampling stations throughout the program; however, since WQ 3 and WQ 8 were analyzed using low level it is unknown whether the water samples from these stations were in exceedance for cadmium in June, July, and August (Table 16). Dissolved cadmium concentrations in June were above the guideline value at all water stations, except WQ 3. In July and August, dissolved cadmium concentrations were above the guideline value at all water stations except WQ 3 and WQ 8; whereas, in September no water quality sampling stations showed dissolved cadmium concentrations above the guideline value.

Water quality stations WQ 1, WQ 2, WQ 4, and WQ 7 were consistently above applicable total copper guidelines throughout the sampling program, but only WQ 2 and WQ 7 were always above the CCME dissolved copper guideline value (Table 16). Total copper concentrations exceeded guidelines at WQ 6 in June, and dissolved copper concentrations were in exceedance at WQ 4 in July and September.

The number of water quality sampling stations with total iron exceedances declined in August (Table 16). In June, six water quality sampling stations exhibited total iron concentrations above the CCME guideline value and only four water quality sampling stations were in exceedance in August and September. Dissolved iron concentrations were only above the CCME guideline value at WQ 7 during the June event (Table 16).

Water quality stations WQ 2 and WQ 7 consistently exhibited both total and dissolved nickel concentrations above the CCME guideline value throughout the sampling program (Table 16). Water quality station WQ 1 recorded total nickel concentrations above the CCME guideline value during the June sampling event.

The number of water quality sampling stations that exhibited total and dissolved selenium exceedances increased in August and September. In June and July, WQ 1 and WQ 2 recorded total and dissolved selenium concentrations above the guideline value. In August and September, WQ 4, WQ 5, and WQ 6 were also reporting total and/or dissolved selenium concentrations above the guideline value (Table 16).

Both total and dissolved zinc concentrations were consistently over the CCME guideline value at WQ 1, WQ 2, WQ 4, and WQ 7 throughout the sampling program (Table 16). Water quality station WQ 6 also exhibited total zinc concentrations above the guideline value in June.

WQ 8 (Cirque Lake outlet) registered the lowest number of CCME guideline exceedances throughout the 2007 sampling program, followed by WQ 3, WQ 5, and WQ 6, respectively. Water quality station WQ 2 (Tributary A of the Hess River) and WQ 7 (mid Tsichu River) exhibited the highest number of exceedances (Table 16).

5.0 DISCUSSION AND CONCLUSION

The Mactung property is located in an area of high mineralization with large mineral deposits below and at the surface, which is influencing natural water quality conditions particularly during runoff and high rain fall events. There are also natural mineralized underground springs seeping in at various locations, which expose surface water to the minerals, thereby influencing local water quality.

Water quality stations WQ 1 to WQ 4 are located in Yukon and WQ 5 to WQ 8 are in the Northwest Territories (NWT). Water quality stations WQ 1, WQ 2, WQ 5, and WQ 6 are small tributary streams in the upper watershed that receive direct runoff from the neighbouring mountains (first order tributaries). Water quality stations WQ 3, WQ 4, and WQ 7 are located in larger valley systems and are considered second order tributaries. Water quality station WQ 8, flowing from Cirque Lake, lies within the upper-most watershed in high alpine tundra.

Typically, runoff is greatest in June primarily as a result of snowmelt and spring freshet. The amount of runoff declines steadily throughout the summer. In September, runoff is

typically minimal and streams are reduced to lower water levels. High water turbidity levels are correlated with high runoff. Due to the elevated levels of suspended solids in the June and July water samples, ALS was unable to conduct ultra-low level analyses as requested by EBA for most of the water quality samples, and therefore analyzed the samples at low level. By August, the water all but one station was clear enough to be analyzed at the desired ultra-low level, and by September, all water quality samples could be analyzed at ultra-low level.

ALS is an accredited laboratory with high standards of QA/QC; therefore, the likelihood of laboratory errors is considered small. All preservatives used during this program were used prior to the expiry date and were not expected to have introduced contaminants. In addition, standard and accepted sampling practices were performed consistently throughout the sampling program. Another accredited laboratory advised that the normal variation in parameter concentrations can typically be plus or minus the detection limit. Therefore, parameters that are reported as above detection limits, but within the plus or minus rule, are considered at or below detection limit.

A number of detectable parameters within the travel blanks fell within this plus or minus detection limit rule. For instance, turbidity values in June, total and dissolved aluminum and iron concentrations in July, ammonia – N concentrations in August, and total organic carbon concentrations in September were all reported within the detection limit or within the detection limit rule. Detectable parameters in the travel blanks that fell outside the normal variability (detection limit rule) included pH and conductivity. Both these parameters may have been introduced by the de-ionized water, bottles/containers, and filters used in the laboratory during analysis. ALS has also previously indicated trace amounts of cations such as calcium, iron, potassium, magnesium, manganese, and sodium, and trace metals such as aluminum, antimony, barium, and strontium can be present on occasion as a result of the de-ionized water.

Similarly, a number of detectable parameters in the filter blanks fell within this plus or minus detection limit rule. In July, barium, iron, manganese, and strontium concentrations were all either at detection limit or within the detection limit rule. In addition, the nickel concentration during the August filter blank was within the detection limit rule. Therefore, the remaining parameters whose detections cannot be explained by the detection limit rule include calcium, sodium, and zinc. These three parameters (calcium, sodium, and zinc) are believed to have been introduced from the filters themselves or the sample bottles.

Detectable levels of numerous parameters were reported within the field blanks; however, four of these parameters (including potassium, total phosphorus, total suspended solids, and strontium) were consistently observed at their detection limit or within the detection limit rule. Both total and dissolved silicon concentrations fell within the detection limit rule for all sampling events except August. Detectable levels of sodium, total barium, total calcium, total and dissolved silicon, total sodium, total and dissolved tin, and dissolved aluminum in the field blanks were considered introduced.

As previously indicated, ALS reported the de-ionized water as an occasional source of a number of a parameters, particularly sodium, barium, calcium, sodium, and aluminum. Therefore, these five parameters that were detected in the field blanks may have been introduced from the de-ionized water used for the field blanks. The remaining detectable parameters, total and dissolved silicon and tin were found within the field blanks and cannot be explained by the detection limit rule, filters, de-ionized water, and sample bottles. These parameters (silicon and tin) may have been introduced through sampling error. However, these two parameters were not introduced in the field samples at a quantity to increase concentrations above the CCME guideline values.

Similarly, parameter concentrations varied slightly in the duplicate samples, which were particularly evident with cadmium. During the June and September sampling events total cadmium concentrations were at the detection limit (0.00005 mg/L) and therefore above the CCME guideline value (0.00002 mg/L) in the field samples, but were undetected in the duplicate samples. During the July sampling event, dissolved cadmium concentrations were at the detection limit (and hence above the CCME guideline value) in the duplicate sample, but not detected in the field sample. This variation in parameter concentrations can be explained by the detection limit rule.

Analytical results of the field samples were also presented. Physical parameters, nutrients, major ions, and inorganics such as pH, electrical conductivity, ammonia – N, nitrate, total phosphorus, calcium, potassium, magnesium, sodium, and total organic carbon are considered to be representative of natural background conditions for these waters.

Analysis also indicated iron – extractable concentrations at WQ 2 and WQ 7 were above the CCME guideline value during the June, July, and August sampling events. Parameter concentrations were also considered outside the detection limit rule. The iron – extractable concentrations observed show evidence of iron leaching during runoff or high rain events from natural mineral deposits present in the area. Iron leaching is reduced in September when runoff is minimized.

Analysis of the field samples indicated aluminum, cadmium, copper, iron, nickel, selenium, and zinc concentrations were typically above the CCME FAL guideline value. As observed with the water quality analyses, elevated metal concentrations were generally correlated with higher turbidity occurring during freshet, with gradual declines in values occurring through the seasonal sampling period.

Overall, this baseline investigation demonstrates that the water quality of the project area is typical for this mineralized area, with some parameter concentrations consistently exceeding CCME guidelines as a result of natural local geological conditions. The water quality at the sampling stations is considered to be representative of natural background conditions.

6.0 CLOSURE

EBA is pleased to present North American Tungsten Corporation Ltd. with this 2007 Baseline Water Quality Sampling Program Report for the MacTung Project. The survey objective was to maintain and repeat the 2006 baseline water sampling program in preparation for regulatory applications that were anticipated for the proposed Mactung project. We are confident that the data and associated information obtained will assist in supporting this objective.

Respectfully submitted,
EBA Engineering Consultants Ltd.

Prepared by:

Karla Langlois, B.Sc., P.Bio.
Environmental Scientist
Environmental Practice
Direct Line: (867) 766-3728, ext. 104

Reviewed by:

Steve Moore, B.E.S., B.A.
Senior Wildlife Biologist
Environmental Practice
Direct Line: (867) 766-3728, ext. 123

Richard Hoos, M.Sc., R.P.Bio
Principal Consultant
Environmental Practice
Direct Line: (604) 685-0275, ext 239

REFERENCES

Canadian Council of Ministers of the Environment. 1999. Canadian environmental quality guidelines. Canadian Council of Ministers of the Environment, Winnipeg. July 2006 Update.

APPENDIX

APPENDIX A PARAMETER DETECTION LIMITS

APPENDIX A. PARAMETER DETECTION LIMITS		
Parameter	Detection Limits	Units
Major Ions / Nutrients / Inorganics		
Ammonia-N	0.005	mg/L
Chloride (Cl)	1	mg/L
Calcium (Ca)	0.5	mg/L
Magnesium (Mg)	0.1	mg/L
Potassium (K)	0.1	mg/L
Sodium (Na)	1	mg/L
Hardness (as CaCO3)	-	mg/L
Ion Balance	-	%
TDS (Calculated)	-	mg/L
Iron (Fe)	0.005	mg/L
Iron (Fe)	0.005	mg/L
Nitrate+Nitrite-N	0.006	mg/L
Nitrate-N	0.006	mg/L
Nitrite-N	0.002	mg/L
Alkalinity, Total (as CaCO3)	5	mg/L
Bicarbonate (HCO3)	5	mg/L
Carbonate (CO3)	5	mg/L
Conductivity (EC)	0.2	µS/cm
Hydroxide (OH)	5	mg/L
pH	0.1	pH
Phosphorus, Total	0.001	mg/L
Sulphate (SO4)	0.05	mg/L
Total Organic Carbon	1	mg/L
Total Major Metals		
Calcium (Ca)	0.5	mg/L
Iron (Fe)	0.005	mg/L
Magnesium (Mg)	0.1	mg/L
Manganese (Mn)	0.001	mg/L
Potassium (K)	0.1	mg/L
Sodium (Na)	1	mg/L
Aluminum (Al)	0.02	mg/L
Antimony (Sb)	0.0004	mg/L
Arsenic (As)	0.0004	mg/L
Barium (Ba)	0.0002	mg/L
Beryllium (Be)	0.001	mg/L
Bismuth (Bi)	0.0001	mg/L
Boron (B)	0.02	mg/L
Cadmium (Cd)	0.0002	mg/L
Chromium (Cr)	0.0008	mg/L
Cobalt (Co)	0.0002	mg/L
Copper (Cu)	0.001	mg/L
Lead (Pb)	0.0001	mg/L
Molybdenum (Mo)	0.0001	mg/L

APPENDIX A. PARAMETER DETECTION LIMITS		
Parameter	Detection Limits	Units
Nickel (Ni)	0.0002	mg/L
Selenium (Se)	0.0004	mg/L
Silver (Ag)	0.0004	mg/L
Strontium (Sr)	0.0002	mg/L
Thallium (Tl)	0.0001	mg/L
Tin (Sn)	0.0004	mg/L
Titanium (Ti)	0.005	mg/L
Uranium (U)	0.0001	mg/L
Vanadium (V)	0.0002	mg/L
Zinc (Zn)	0.004	mg/L
Ultra-Low Metals (Total and Dissolved)		
Aluminum (Al)	0.0003	mg/L
Antimony (Sb)	0.00003	mg/L
Arsenic (As)	0.00003	mg/L
Barium (Ba)	0.00005	mg/L
Beryllium (Be)	0.0002	mg/L
Boron (B)	0.001	mg/L
Cadmium (Cd)	0.00005	mg/L
Calcium (Ca)	0.02	mg/L
Chromium (Cr)	0.00006	mg/L
Cobalt (Co)	0.0001	mg/L
Copper (Cu)	0.0006	mg/L
Lead (Pb)	0.00005	mg/L
Magnesium (Mg)	0.004	mg/L
Manganese (Mn)	0.0001	mg/L
Mercury (Hg)	0.00002	mg/L
Molybdenum (Mo)	0.00006	mg/L
Nickel (Ni)	0.00006	mg/L
Potassium (K)	0.02	mg/L
Selenium (Se)	0.0001	mg/L
Silver (Ag)	0.0001	mg/L
Sodium (Na)	0.005	mg/L
Strontium (Sr)	0.0001	mg/L
Uranium (U)	0.00005	mg/L
Vanadium (V)	0.00005	mg/L
Zinc (Zn)	0.0008	mg/L

APPENDIX

APPENDIX B SUMMARY TABLES OF ANALYTICAL RESULTS, JUNE, JULY, AUGUST AND SEPTEMBER

	Station 2	Station 2	Station 3	Station 3 Duplicate	Station 4	Station 5	Station 6	Station 7	Station 8	Station 8 Duplicate	UNITS	Ultra-Low Level	Low Level	CCME Guideline
Major Ions, Nutrients and Inorganics														
	<	<	<	<	<	<	NA	<	<	<	mg/L	1	---	---
	0.19	0.17	0.06	0.06	0.09	0.08	NA	0.14	0.05	0.05	mg/L	0.05	---	---
	33.7	27.2	9.4	9.5	14.7	16.3	NA	15.2	4.9	4.8	mg/L	0.5	---	---
	0.5	0.4	0.3	0.4	0.4	0.4	NA	0.4	0.1	0.2	mg/L	0.1	---	---
	3.3	7	4.2	4.3	5.2	2.1	NA	3.2	0.3	0.3	mg/L	0.1	---	---
	1	<	<	<	<	<	NA	<	<	<	mg/L	1	---	---
	93.9	94.8	Low EC	Low EC	100	96.6	NA	98.7	Low EC	Low EC	%	---	---	---
	130	126	48	49	70	59	NA	67	15	15	mg/L	---	---	---
	98	97	41	41	58	49	NA	51	13	13	mg/L	---	---	---
	<	0.44	<	<	0.1	<	NA	1.05	<	<	mg/L	0.05	---	0.3
	0.04	0.09	<	<	0.02	<	NA	0.07	0.02	0.02	mg/L	0.01	---	---
	0.071	0.072	0.029	0.029	0.041	0.037	NA	0.04	0.02	0.019	mg/L	0.006	---	---
	0.071	0.072	0.029	0.029	0.041	0.037	NA	0.04	0.02	0.019	mg/L	0.006	---	2.94
	<	<	<	<	<	<	NA	<	<	<	mg/L	0.002	---	0.197
	71.4	80.5	25.2	25.2	40.9	24.8	NA	44.2	9.56	9.49	mg/L	0.05	---	---
	7.4	7	7.1	7.2	7.2	7.3	NA	6.6	6.7	6.7	pH	0.1	---	6.5-9
	220	218	95.7	95.9	135	113	NA	125	35.6	35.2	µS/cm	0.2	---	---
	39	22	17	18	19	31	NA	7	5	5	mg/L	5	---	---
	<	<	<	<	<	<	NA	<	<	<	mg/L	5	---	---
	<	<	<	<	<	<	NA	<	<	<	mg/L	5	---	---
	32	18	14	15	15	26	NA	6	<	<	mg/L	5	---	---
	<	<	<	<	<	<	NA	<	<	<	mg/L	0.005	---	10.3-48.3*
	0.007	0.02	0.013	0.012	0.015	0.008	NA	0.049	0.004	0.004	mg/L	0.001	---	---
	<	<	<	<	<	<	NA	<	<	<	mg/L	1	---	---
	<	19	4	6	10	<	NA	28	<	<	mg/L	3	---	
	1.2	1.8	4.9	5.8	6.4	0.95	NA	15	0.35	0.4	NTU	0.1	---	---
Total Metals														
	0.318	2.02	0.45	0.43	0.81	0.11	2.05	2.18	0.0854	0.087	mg/L	0.0003	0.02	0.1**
	0.00024	<	<	<	<	<	<	<	0.00025	0.00024	mg/L	0.00003	0.0004	---
	0.00115	0.001	0.001	0.001	0.001	0.0017	0.0054	0.0025	0.00286	0.00279	mg/L	0.00003	0.0004	0.005
	0.0342	0.0556	0.0207	0.0208	0.0313	0.0343	0.118	0.0631	0.0078	0.00738	mg/L	0.00005	0.0002	---
	<	<	<	<	<	<	<	<	<	<	mg/L	0.0002	0.001	---
	<	<	<	<	<	<	<	<	<	<	mg/L	0.00003	0.0001	---
	0.003	<	<	<	<	<	<	<	<	<	mg/L	0.001	0.02	---
	0.00078	0.0033	<	<	0.0009	0.0004	0.0005	0.0034	0.00005	<	mg/L	0.00005	0.0002	0.00002***
	32.2	28.2	10	9.9	15.3	17	18.1	15.8	4.74	4.47	mg/L	0.02	0.5	---
	<	<	<	<	<	<	0.0018	0.0009	<	<	mg/L	0.00006	0.0008	---
	0.003	0.0076	0.001	0.001	0.0026	0.0006	0.0024	0.0084	0.0014	0.0016	mg/L	0.0001	0.0002	---
	0.0046	0.02	0.001	0.001	0.006	0.002	0.007	0.037	0.0016	0.0017	mg/L	0.0006	0.001	0.002****
	0.039	0.704	0.607	0.597	0.637	0.167	2.22	1.97	0.015	0.013	mg/L	0.005	0.005	0.3
	<	0.0002	0.0003	0.0004	0.0004	<	0.0014	0.0004	0.00013	0.00012	mg/L	0.00005	0.0001	0.001****
	0.0029	<	<	<	<	<	<	<	0.001	0.0011	mg/L	0.0001	0.006	---
	3.68	7.5	4.6	4.5	5.6	2.3	3.6	3.8	0.407	0.387	mg/L	0.004	0.1	---
	0.0655	0.121	0.029	0.029	0.052	0.016	0.051	0.112	0.0451	0.0464	mg/L	0.0001	0.001	---
	<	<	<	<	<	<	<	<	<	<	mg/L	0.00002	0.0002	
	0.0029	0.0016	0.0003	0.0003	0.0006	0.0014	0.0014	0.0007	0.00079	0.00077	mg/L	0.00006	0.0001	0.073
	0.0251	0.0686	0.0044	0.0045	0.021	0.0094	0.0107	0.0678	0.00404	0.00419	mg/L	0.00006	0.0002	0.025***
	0.82	0.5	0.3	0.4	0.4	0.4	1	0.5	0.15	0.14	mg/L	0.02	0.1	---
	0.0022	0.0022	<	<0.0004	0.0008	0.0009	0.0009	0.0008	0.0002	<	mg/L	0.0001	0.0004	0.001
	2.4	2.8	2	1.9	2.2	1.7	5	3.1	0.9	0.9	mg/L	0.1	0.1	---
	<	<	<	<	<	<	<	<	<	<	mg/L	0.0001	0.0004	0.0001
	1.09	<	<	<	<	<	<	<	0.153	0.144	mg/L	0.005	1	---
	0.0922	0.11	0.03	0.0301	0.0556	0.0566	0.0537	0.046	0.0109	0.0103	mg/L	0.0001	0.0002	---
	NA	<	<	<	<	<	<	<	NA	NA	mg/L	---	0.0001	0.0008
	<	<	<	<	<	<	<	<	<	<	mg/L	0.0001	0.0004	---
	NA	<	0.026	0.026	0.019	<0.005	0.069	0.022	NA	NA	mg/L	---	0.005	---
	0.00168	0.0011	0.0003	0.0003	0.0005	0.0007	0.0008	0.0009	0.00033	0.00035	mg/L	0.00005	0.0001	---
	0.0007	0.0013	0.0009	0.0008	0.0009	0.0013	0.0079	0.0034	<	<	mg/L	0.00005	0.0002	---
	0.0856	0.207	0.01	0.009	0.062	0.027	0.04	0.247	0.0053	0.0052	mg/L	0.0008	0.004	0.03
Dissolved Metals														
	0.0655	0.0239	0.0343	0.0359	0.0353	0.0128	0.0379	0.0159	0.0239	0.0247	mg/L	0.0003	---	0.1**
	0.00024	0.00014	0.00007	0.00006	0.00008	0.00013	0.0002	0.0001	0.00025	0.00023	mg/L	0.00003	---	---
	0.00054	0.00008	0.00033	0.00034	0.0002	0.00064	0.00106	0.00016	0.00132	0.00146	mg/L	0.00003	---	0.005
	0.0301	0.0403	0.0139	0.0139	0.0217	0.0281	0.0329	0.0367	0.00719	0.00757	mg/L	0.00005	---	---
	<	<	<	<	<	<	<	<	<	<	mg/L	0.0002	---	---
	<	<	<	<	<	<	<	<	<	<	mg/L	0.00003	---	---
	0.003	0.001	0.002	0.002	0.002	<	<	<	<	<	mg/L	0.001	---	---
	0.00075	0.00277	<	<	0.00068	0.00032	0.00013	0.00289	0.00006	0.00006	mg/L	0.00005	---	0.00002***
	31.8	24.6	8.52	8.82	13.1	15.1	15.3	13.6	4.4	4.77	mg/L	0.02	---	---
	<	<	<	<	<	<	<	<	<	<	mg/L	0.00006	---	---
	0.0028	0.0078	0.0007	0.0007	0.0023	0.0004	0.0008	0.0084	0.0015	0.0014	mg/L	0.0001	---	---
	0.002	0.0039	0.0007	0.0008	0.0019	0.001	0.0009	0.0123	0.0011	0.0011	mg/L	0.0006	---	0.002****
	<	0.094	0.02	0.022	0.02	0.028	0.025	0.519	<	<	mg/L	0.005	---	0.3
	<	<	<	<	<	<	<	<	<	<	mg/L	0.00005	---	0.001****
	0.003	0.0055	0.0018	0.0016	0.0028	0.0012	0.0012	0.0043	0.0011	0.0011	mg/L	0.0001	---	---
	3.57	7.67	4.49	4.58	5.52	2.33	2.25	3.4	0.385	0.396	mg/L	0.004	---	---
	0.0626	0.112	0.0179	0.0182	0.0402	0.013	0.0185	0.098	0.0457	0.0442	mg/L	0.0001	---	---
	<	<	<	<	<	<	<	<	<	<	mg/L	0.00002	---	
	0.00295	0.00122	0.00025	0.00027	0.00053	0.00114	0.00112	0.00045	0.00077	0.00075	mg/L	0.00006	---	0.073
	0.0241	0.0686	0.00378	0.00377	0.0198	0.00817	0.00489	0.0679	0.00417	0.00408	mg/L	0.00006	---	0.025***
	0.79	0.53	0.35	0.37	0.41	0.56	0.6	0.49	0.14	0.16	mg/L	0.02	---	---
	0.0023	0.002	0.0003	0.0001	0.0007	0.0007	0.0008	0.0007	0.0001	0.0001	mg/L	0.0001	---	0.001
	2.4	2.4	1.2	1.2	1.5	1.6	1.7	1.9	0.9	0.9	mg/L	0.1	---	---
	<	<	<	<	<	<	<	<	<	<	mg/L	0.0001	---	0.0001
	1.08	0.554	0.351	0.362	0.412	0.255	0.267	0.267	0.15	0.157	mg/L	0.005	---	---
	0.0948	0.114	0.029	0.0292	0.0515	0.0538	0.0467	0.0431	0.0103	0.011	mg/L	0.0001	---	---
	<	<	<	0.0001	<	<	<	<	<	<	mg/L	0.0001	---	---
	0.0006	<	0.00022	0.00023	0.00011	0.00064	0.00047	<	0.00017	0.00019	mg/L	0.00005	---	---
	0.00041	0.00007	0.00008	0.00009	0.00007	0.00007	0.00015	<	<	<	mg/L	0.00005	---	---
	0.0746	0.182	0.0055	0.0058	0.0482	0.0218	0.0098	0.224	0.0061	0.0065	mg/L	0.0008	---	0.03

for the Protection of Freshwater Aquatic Life (July 2006).

range presented here for Ammonia is specific to the range of pH of the water at this site and the temperature of the water recorded at each sampling event.

fic to the pH of the water at this site during this particular sampling event.

: Cd guideline = 10 exp{0.86[log(hardness)]-3.2}. The CCME guideline for Cadmium is specific to the average hardness of the water at this site during this particular sampling event.

r at this site during this particular sampling event.

	Field Blank	Station 2	Station 2	Station 3	Station 3 Duplicate	Station 4	Station 5	Station 6	Station 7	Station 8	Station 8 Duplicate	UNITS	Ultra-Low Level	Low Level	CCME G
						Major Ions, Nutrients and Inorganics									
	NA	<	<	<	<	<	<	<	<	<	<	mg/L	1	---	--
	NA	0.17	0.18	0.05	0.05	0.08	0.07	0.07	0.13	0.06	0.06	mg/L	0.05	---	--
	NA	45.8	35.1	9.9	9.8	14.9	19.7	20.3	16.9	8.8	8.9	mg/L	0.5	---	--
	NA	0.9	0.7	0.6	0.4	0.4	0.6	0.6	0.6	0.3	0.3	mg/L	0.1	---	--
	NA	3.8	8.6	4.3	4.2	5.1	2.6	2.6	3.6	0.5	0.5	mg/L	0.1	---	--
	NA	1	<	<	<	<	<	<	<	<	<	mg/L	1	---	--
S	NA	97.6	99.2	Low EC	Low EC	94.6	97	99.6	98.6	Low EC	Low EC	%	---	---	--
	NA	166	157	49	52	72	72	72	75	32	32	mg/L	---	---	--
	NA	130	123	42	42	58	60	61	57	24	24	mg/L	---	---	--
	NA	<	0.42	<	<	0.1	<	<	0.72	<	<	mg/L	0.05	---	0
	NA	0.02	0.1	<	<	0.01	<	<	0.09	0.01	0.01	mg/L	0.01	---	--
	NA	0.037	0.049	0.018	0.018	0.031	0.043	0.037	0.037	0.008	0.008	mg/L	0.006	---	--
	NA	0.037	0.049	0.015	0.015	0.028	0.043	0.037	0.037	0.008	0.008	mg/L	0.006	---	2.
	NA	<	<	0.003	0.003	0.003	<	<	<	<	<	mg/L	0.002	---	0.1
	NA	87.3	98.1	24.6	24.6	38.8	29.8	28.9	50.3	16.1	16.1	mg/L	0.05	---	--
	NA	7.9	7.5	7.6	7.5	7.5	7.7	7.8	6.8	7.2	7.2	pH	0.1	---	6.5
	NA	266	256	92.1	91.9	126	127	129	131	57.1	57.2	µS/cm	0.2	---	--
	NA	55	27	19	25	26	38	39	7	12	12	mg/L	5	---	--
	NA	<	<	<	<	<	<	<	<	<	<	mg/L	5	---	--
	NA	<	<	<	<	<	<	<	<	<	<	mg/L	5	---	--
	NA	45	23	16	21	21	31	32	6	10	10	mg/L	5	---	--
	NA	<	0.009	<	<	0.006	<	0.006	0.009	<	0.006	mg/L	0.005	---	10.3
	NA	0.003	0.012	0.01	0.01	0.013	0.004	0.023	0.028	0.001	0.001	mg/L	0.001	---	--
	NA	1	1	2	2	2	1	2	2	1	1	mg/L	1	---	--
	NA	3	14	8	9	10	<	7	15	<	<	mg/L	3	---	--
	NA	0.4	6.2	6.4	6.5	11	0.3	0.8	7.3	0.25	0.35	NTU	0.1	---	--
						Total Metals									
	NA	0.252	2.68	0.67	0.77	1.18	0.05	0.43	1.62	0.0589	0.0602	mg/L	0.0003	0.02	0.1
	NA	0.00026	<	<	<	<	<	0.0006	0.0001	0.00028	0.00027	mg/L	0.00003	0.0004	--
	NA	0.00134	0.0007	0.0007	0.0007	0.0008	0.0013	0.002	0.00094	0.00288	0.00299	mg/L	0.00003	0.0004	0.0
	NA	0.0355	0.0462	0.0217	0.0221	0.0302	0.0322	0.0532	0.0439	0.0108	0.0108	mg/L	0.00005	0.0002	--
	NA	<	<	<	<	<	<	<	<	<	<	mg/L	0.0002	0.001	--
	NA	<	<	<	<	<	<	<	<	<	<	mg/L	0.00003	0.0001	--
	NA	0.002	<	<	<	<	<	<	<	<	<	mg/L	0.001	0.02	--
	NA	0.00072	0.0044	<	<	0.0008	0.0003	0.0002	0.00345	<	<	mg/L	0.00005	0.0002	0.000
	NA	42.7	30	8.7	8.8	13.3	17	17.7	15	7.67	7.87	mg/L	0.02	0.5	--
	NA	<	<	<	<	<	<	<	0.00073	<	<	mg/L	0.00006	0.0008	--
	NA	0.0019	0.0081	0.0009	0.0008	0.0022	0.0004	0.0014	0.009	0.0009	0.0009	mg/L	0.0001	0.0002	--
	NA	0.0033	0.024	0.001	0.001	0.006	<	0.002	0.0482	0.0013	0.0013	mg/L	0.0006	0.001	0.002
	NA	0.029	0.661	0.708	0.746	0.772	0.079	0.405	1.11	0.019	0.019	mg/L	0.005	0.005	0
	NA	<	<	0.0003	0.0003	0.0003	<	0.0002	0.0001	0.00007	0.00007	mg/L	0.00005	0.0001	0.001
	NA	0.0028	0.008	<	<	<	<	<	0.005	0.0012	0.0012	mg/L	0.0001	0.006	--
	NA	3.51	6.6	3.4	3.5	4.1	2.1	2.3	3.28	0.601	0.609	mg/L	0.004	0.1	--
	NA	0.0414	0.107	0.025	0.024	0.041	0.008	0.019	0.105	0.0356	0.0367	mg/L	0.0001	0.001	--
	NA	<	<	<	<	<	<	<	<	<	<	mg/L	0.00002	0.00002	--
	NA	0.00368	0.0017	0.0003	0.0003	0.0006	0.0014	0.0013	0.00048	0.00115	0.00115	mg/L	0.00006	0.0001	0.0
	NA	0.0208	0.0773	0.0035	0.003	0.0179	0.0071	0.0065	0.0711	0.00402	0.00413	mg/L	0.00006	0.0002	0.025
	NA	0.84	0.5	0.6	0.6	0.6	0.5	0.6	0.42	0.14	0.15	mg/L	0.02	0.1	--
	NA	0.0029	0.0021	<	<	0.0008	0.0008	<	0.0004	<	0.0002	mg/L	0.0001	0.0004	0.0
	NA	2.8	2.6	1.9	2.1	2.3	1.5	2	2.3	1.1	1.1	mg/L	0.1	0.1	--
	NA	<	<	<	<	<	<	<	<	<	<	mg/L	0.0001	0.0004	0.0
	NA	1.22	<	<	<	<	<	<	0.31	0.232	0.234	mg/L	0.005	1	--
	NA	0.109	0.135	0.0318	0.0323	0.057	0.0643	0.0591	0.0382	0.0161	0.0164	mg/L	0.0001	0.0002	--
	NA	NA	<	<	<	<	<	<	NA	NA	NA	mg/L	---	0.0001	0.0
	NA	<	<	<	<	<	<	<	<	<	<	mg/L	0.0001	0.0004	--
	NA	NA	<	0.055	0.053	0.043	<	0.013	NA	NA	NA	mg/L	---	0.005	--
	NA	0.00239	0.0015	0.0004	0.0004	0.0005	0.0008	0.0006	0.00098	0.00034	0.00033	mg/L	0.00005	0.0001	--
	NA	0.00067	0.0006	0.0012	0.0014	0.0014	<	0.0016	0.00164	<	<	mg/L	0.00005	0.0002	--
	NA	0.0754	0.241	0.007	0.008	0.052	0.02	0.017	0.251	0.0041	0.0042	mg/L	0.0008	0.004	0.
						Dissolved Metals									
	<	0.0536	0.0227	0.0365	0.0351	0.0468	0.0129	0.029	0.0288	0.0163	0.0167	mg/L	0.0003	---	0.1
	<	0.00025	0.00015	0.00006	0.00006	0.00008	0.00017	0.00019	0.00008	0.00029	0.00028	mg/L	0.00003	---	--
	<	0.00094	0.00012	0.00029	0.00029	0.00023	0.00078	0.00102	0.00017	0.00175	0.00175	mg/L	0.00003	---	0.0
	0.00005	0.0339	0.0458	0.0137	0.0135	0.021	0.0326	0.0399	0.0413	0.0107	0.0108	mg/L	0.00005	---	--
	<	<	<	<	<	<	<	<	<	<	<	mg/L	0.0002	---	--
	<	<	<	<	<	<	<	<	<	<	<	mg/L	0.00003	---	--
	<	0.002	<	<	<	<	<	<	<	<	<	mg/L	0.001	---	--
	<	0.00065	0.00388	<	<	0.00073	0.00034	0.00016	0.00336	<	0.00005	mg/L	0.00005	---	0.000
	0.12	42.5	32.5	9.28	9.12	13.3	17.4	18.3	15.1	7.62	7.87	mg/L	0.02	---	--
	<	<	<	<	<	<	<	<	<	<	<	mg/L	0.00006	---	--
	<	0.0018	0.0086	0.0005	0.0005	0.0019	0.0004	0.0011	0.0089	0.0009	0.0009	mg/L	0.0001	---	--
	<	0.0018	0.0041	0.0007	0.0007	0.0021	0.0007	0.0007	0.0244	0.0009	0.0009	mg/L	0.0006	---	0.002
	0.007	0.008	0.112	0.031	0.033	0.039	0.034	0.027	0.29	0.011	0.008	mg/L	0.005	---	0
	<	<	<	<	<	<	<	<	<	<	<	mg/L	0.00005	---	0.001
	<	0.0029	0.0071	0.0017	0.0019	0.0027	0.0013	0.0013	0.0048	0.0012	0.0012	mg/L	0.0001	---	--
	<	3.52	7.75	3.84	3.73	4.53	2.37	2.41	3.23	0.606	0.606	mg/L	0.004	---	--
	0.0001	0.0405	0.117	0.0134	0.0132	0.0318	0.0087	0.0159	0.103	0.0335	0.0352	mg/L	0.0001	---	--
	<	<	<	<	<	<	<	<	<	<	<	mg/L	0.00002	---	--
	<	0.00378	0.00151	0.00031	0.0003	0.00054	0.0014	0.00126	0.00031	0.00119	0.00118	mg/L	0.00006	---	0.0
	0.00015	0.0205	0.0809	0.00295	0.00294	0.0173	0.00685	0.00575	0.07	0.004	0.00405	mg/L	0.00006	---	0.025
	<	0.81	0.54	0.35	0.34	0.37	0.44	0.51	0.4	0.14	0.14	mg/L	0.02	---	--
	<	0.0029	0.0024	<	<	0.0006	0.0009	0.0007	0.0005	0.0001	0.0002	mg/L	0.0001	---	0.0
	<	2.8	2.7	1.2	1.3	1.6	1.7	1.8	2.1	1.1	1.1	mg/L	0.1	---	--
	<	<	<	<	<	<	<	<	<	<	<	mg/L	0.0001	---	0.0
	0.045	1.24	0.694	0.427	0.419	0.475	0.33	0.349	0.32	0.238	0.243	mg/L	0.005	---	--
	0.0001	0.109	0.111	0.0279	0.0274	0.0474	0.0584	0.0523	0.0416	0.0166	0.0166	mg/L	0.0001	---	--
	<	<	<	<	<	<	<	<	<	<	<	mg/L	0.0001	---	--
	<	0.00119	0.00007	0.00024	0.00024	0.00011	0.00078	0.00056	0.00008	0.00022	0.00019	mg/L	0.00005	---	--
	<	0.00046	0.00006	0.00009	0.00008	0.00008	0.00007	0.0001	<	<	<	mg/L	0.00005	---	--
	0.0029	0.0654	0.216	0.0052	0.0051	0.0442	0.0206	0.0123	0.243	0.0053	0.0055	mg/L	0.0008	---	0.0

for the Protection of Freshwater Aquatic Life (July 2006).

range presented here for Ammonia is specific to the range of pH of the water at this site and the temperature of the water recorded at each sampling event.

fic to the pH of the water at this site during this particular sampling event.

: Cd guideline = 10 exp{0.86[log(hardness)]-3.2}. The CCME guideline for Cadmium is specific to the average hardness of the water at this site during this particular sampling event.

r at this site during this particular sampling event.

	Field Blank	Station 2	Station 2	Station 3	Station 4	Station 5	Station 6	Station 6 Duplicate	Station 7	Station 8	Station 8 Duplicate	UNITS	Ultra-Low Level	Low Level	CCME G
						Major Ions, Nutrients and Inorganics									
	NA	<	<	<	<	<	<	<	2	<	<	mg/L	1	---	---
	NA	0.26	0.17	0.05	0.1	0.1	0.1	0.1	0.2	0.07	0.07	mg/L	0.05	---	---
	NA	59.4	38.6	8.3	18.9	30.5	28.6	29.4	23.3	9.4	9.5	mg/L	0.5	---	---
	NA	1	0.5	0.6	0.5	0.7	0.7	0.8	0.5	0.3	0.2	mg/L	0.1	---	---
	NA	4.8	9.6	3.2	6	3.8	3.5	3.7	5	0.4	0.4	mg/L	0.1	---	---
	NA	2	<	<	<	<	<	<	<	<	<	mg/L	1	---	---
S	NA	101	98.7	Low EC	93	95.8	97	99.3	91.5	Low EC	Low EC	%	---	---	---
	NA	215	177	40	92	112	103	104	109	34	33	mg/L	---	---	---
	NA	168	136	34	72	92	86	89	79	25	25	mg/L	---	---	---
	<	<	0.32	<	0.17	<	<	<	0.87	<	0.13	mg/L	0.05	---	0
	<	0.03	0.13	<	0.04	<	0.01	0.01	0.12	0.02	0.02	mg/L	0.01	---	---
	NA	0.031	0.046	<	0.017	0.016	0.009	0.009	0.027	<	<	mg/L	0.006	---	---
	NA	0.031	0.046	<	0.017	0.016	0.009	0.009	0.027	<	<	mg/L	0.006	---	2.
	NA	<	<	0.004	<	<	<	<	<	<	<	mg/L	0.002	---	0.1
	NA	117	122	20.3	54.9	50.9	43.8	43.9	72.9	19.2	19.2	mg/L	0.05	---	---
	NA	7.8	6.9	7.4	7.5	7.8	7.9	7.9	7	7.2	7.2	pH	0.1	---	6.5
	NA	345	294	80.5	166	199	186	186	178	66.9	67	µS/cm	0.2	---	---
	NA	61	13	16	25	53	53	54	9	8	8	mg/L	5	---	---
	NA	<	<	<	<	<	<	<	<	<	<	mg/L	5	---	---
	NA	<	<	<	<	<	<	<	<	<	<	mg/L	5	---	---
	NA	50	10	13	20	43	43	44	8	7	6	mg/L	5	---	---
	NA	<	0.007	<	0.007	<	<	0.005	0.005	<	<	mg/L	0.005	---	10.3
	NA	0.003	0.018	0.014	0.01	0.002	0.003	0.003	0.026	<	<	mg/L	0.001	---	---
	NA	<	<	1	1	1	1	1	<	<	<	mg/L	1	---	---
	NA	3	22	17	5	<	<	<	16	<	4	mg/L	3	---	---
	NA	0.7	0.8	10	3.4	0.2	0.2	0.2	1.5	<	0.2	NTU	0.1	---	---
						Total Metals									
	NA	0.729	4.16	1.09	1.09	0.0199	0.0557	0.0538	2.11	0.0628	0.061	mg/L	0.0003	0.02	0.1
	NA	0.0003	0.00015	<	0.00008	0.00022	0.00021	0.00021	0.0001	0.00034	0.00032	mg/L	0.00003	0.0004	---
	NA	0.00111	0.0003	0.001	0.00054	0.00129	0.00117	0.00119	0.00056	0.00297	0.00289	mg/L	0.00003	0.0004	0.0
	NA	0.0454	0.0518	0.0264	0.0317	0.0463	0.0528	0.0526	0.0509	0.0107	0.0108	mg/L	0.00005	0.0002	---
	NA	<	0.0003	<	<	<	<	<	0.0003	<	<	mg/L	0.0002	0.001	---
	NA	<	<	0.0001	<	<	<	<	<	<	<	mg/L	0.00003	0.0001	---
	NA	0.007	0.002	<	0.003	<	<	<	<	<	<	mg/L	0.001	0.02	---
	NA	0.00144	0.00622	<	0.00139	0.00027	0.00019	0.00019	0.00492	<	<	mg/L	0.00005	0.0002	0.000
	NA	57	37.3	8.9	18.4	29.1	27.7	27.4	21	8.72	8.75	mg/L	0.02	0.5	---
	NA	<	0.00066	<	0.00029	0.00018	0.00014	0.00014	0.00091	<	<	mg/L	0.00006	0.0008	---
	NA	0.0027	0.0136	0.0007	0.0033	0.0002	0.0014	0.0014	0.0103	0.0007	0.0007	mg/L	0.0001	0.0002	---
	NA	0.0089	0.0378	0.001	0.0089	0.0006	0.0009	0.0009	0.0494	0.0012	0.0012	mg/L	0.0006	0.001	0.002
	NA	0.075	1.22	1.38	0.678	0.105	0.042	0.044	1.47	0.006	0.007	mg/L	0.005	0.005	0
	NA	<	<	0.0006	0.00024	<	<	<	<	<	<	mg/L	0.00005	0.0001	0.002
	NA	0.0038	0.0091	<	0.0046	0.0014	0.0015	0.0017	0.0063	0.0014	0.0013	mg/L	0.0001	0.006	---
	NA	4.98	9.52	3.7	5.96	3.82	3.64	3.65	4.49	0.698	0.681	mg/L	0.004	0.1	---
	NA	0.0396	0.136	0.035	0.0478	0.0076	0.0213	0.0208	0.113	0.0285	0.0282	mg/L	0.0001	0.001	---
	NA	<	<	<	<	<	<	<	<	<	<	mg/L	0.00002	0.00002	---
	NA	0.00362	0.00103	0.0003	0.00044	0.00202	0.00164	0.00168	0.00053	0.00145	0.00145	mg/L	0.00006	0.0001	0.0
	NA	0.0325	0.126	0.0023	0.03	0.00552	0.00575	0.00565	0.103	0.00398	0.00383	mg/L	0.00006	0.0002	0.065
	NA	1.15	0.64	1	0.56	0.72	0.82	0.82	0.57	0.15	0.15	mg/L	0.02	0.1	---
	NA	0.0035	0.0018	<	0.0009	0.0015	0.0012	0.0012	0.0008	0.0003	0.0003	mg/L	0.0001	0.0004	0.0
	NA	3.6	3.6	3.4	2.1	2.2	2.2	2.2	2.8	1.3	1.2	mg/L	0.1	0.1	---
	NA	<	<	<	<	<	<	<	<	<	<	mg/L	0.0001	0.0004	0.0
	NA	2.07	0.927	<	0.611	0.49	0.453	0.459	0.376	0.242	0.24	mg/L	0.005	1	---
	NA	0.143	0.0887	0.033	0.0544	0.0913	0.0736	0.0738	0.0452	0.0193	0.0194	mg/L	0.0001	0.0002	---
	NA	---	---	<	---	---	---	---	---	---	---	mg/L	---	0.0001	0.0
	NA	<	<	<	<	<	<	<	<	<	<	mg/L	0.0001	0.0004	---
	NA	---	---	0.114	---	---	---	---	---	---	---	mg/L	---	0.005	---
	NA	0.00358	0.00228	0.0004	0.00086	0.00169	0.00105	0.00105	0.00133	0.00039	0.00038	mg/L	0.00005	0.0001	---
	NA	0.00062	0.00126	0.0024	0.00108	0.00021	0.00017	0.00017	0.00262	<	<	mg/L	0.00005	0.0002	---
	NA	0.134	0.398	0.012	0.0933	0.0127	0.0091	0.0087	0.381	0.0034	0.0032	mg/L	0.0008	0.004	0.0
						Dissolved Metals									
	<	0.0624	0.023	0.0381	0.0357	0.0098	0.0368	0.0372	0.0206	0.0387	0.0363	mg/L	0.0003	---	0.1
	<	0.00028	0.00013	0.00004	0.00007	0.00022	0.00022	0.00022	0.00009	0.00033	0.00035	mg/L	0.00003	---	---
	<	0.00066	0.0001	0.00027	0.0002	0.00096	0.00107	0.00106	0.00013	0.00242	0.00248	mg/L	0.00003	---	0.0
	<	0.0447	0.051	0.0112	0.0264	0.0462	0.0524	0.0521	0.0505	0.0108	0.0108	mg/L	0.00005	---	---
	<	<	<	<	<	<	<	<	<	<	<	mg/L	0.0002	---	---
	<	<	<	<	<	<	<	<	<	<	<	mg/L	0.00003	---	---
	<	0.007	0.003	0.003	0.003	<	<	<	<	<	<	mg/L	0.001	---	---
	<	0.0013	0.00585	<	0.00128	0.00024	0.00016	0.00015	0.00477	<	<	mg/L	0.00005	---	0.000
0.06	56.3	37.6	7.77	18.2	29.5	27.3	27.4	21.9	8.63	8.68	mg/L	0.02	---	---
	<	<	<	<	<	0.00015	0.00015	0.00018	0.00006	<	<	mg/L	0.00006	---	---
	<	0.0025	0.0137	0.0003	0.0031	0.0001	0.0013	0.0013	0.011	0.0007	0.0007	mg/L	0.0001	---	---
	<	0.0017	0.0108	<	0.0017	<	0.0007	0.0007	0.0057	0.001	0.0009	mg/L	0.0006	---	0.002
	<	<	0.132	0.023	0.015	0.044	0.012	0.012	0.051	<	<	mg/L	0.005	---	0
	<	<	<	<	<	<	<	<	<	<	<	mg/L	0.00005	---	0.002
	<	0.0039	0.0092	0.0017	0.0038	0.0015	0.0015	0.0014	0.0061	0.0014	0.0015	mg/L	0.0001	---	---
	<	4.99	9.5	3.08	5.86	3.84	3.58	3.62	4.68	0.69	0.683	mg/L	0.004	---	---
	<	0.0384	0.134	0.0112	0.0424	0.0075	0.0201	0.0205	0.116	0.0264	0.0265	mg/L	0.0001	---	---
	<	<	<	<	<	<	<	<	<	<	<	mg/L	0.00002	---	---
	<	0.00398	0.00108	0.00025	0.00057	0.00197	0.00161	0.00163	0.00045	0.00145	0.00141	mg/L	0.00006	---	0.0
0.00012	0.0314	0.126	0.00187	0.0293	0.00575	0.00562	0.00559	0.107	0.00398	0.00395	mg/L	0.00006	---	0.065
	<	1.12	0.64	0.35	0.44	0.72	0.78	0.81	0.57	0.14	0.14	mg/L	0.02	---	---
	<	0.0042	0.0027	0.0001	0.001	0.0016	0.0011	0.0012	0.0008	0.0004	0.0002	mg/L	0.0001	---	0.0
	<	3.3	3.2	1	1.7	2.2	2.3	2.2	2.5	1.2	1.2	mg/L	0.1	---	---
	<	<	<	<	<	<	<	<	<	<	<	mg/L	0.0001	---	0.0
0.033	2.08	0.921	0.383	0.623	0.503	0.457	0.463	0.403	0.245	0.249	mg/L	0.005	---	---
	<	0.161	0.124	0.0257	0.0607	0.0926	0.0734	0.0728	0.0583	0.0197	0.0197	mg/L	0.0001	---	---
	<	<	<	<	<	<	<	<	<	<	<	mg/L	0.0001	---	---
	<	0.00196	0.0001	0.0002	0.00006	0.00165	0.001	0.001	<	0.00025	0.0002	mg/L	0.00005	---	---
	<	0.00041	<	0.00009	<	0.00008	0.00011	0.00011	<	<	<	mg/L	0.00005	---	---
	0.0025	0.0804	0.355	0.0035	0.0709	0.0147	0.0099	0.0101	0.359	0.005	0.0047	mg/L	0.0008	---	0.0

for the Protection of Freshwater Aquatic Life (July 2006).

range presented here for Ammonia is specific to the range of pH of the water at this site and the temperature of the water recorded at each sampling event.

fic to the pH of the water at this site during this particular sampling event.

: Cd guideline = 10 exp{0.86[log(hardness)]-3.2}. The CCME guideline for Cadmium is specific to the average hardness of the water at this site during this particular sampling event.

r at this site during this particular sampling event.

	Station 1	Station 2	Station 3	Station 3 Duplicate	Station 4	Station 5	Station 6	Station 7	Station 8	Station 8 Duplicate	UNITS	Ultra-Low Level	Low Level	CCME Guideline
					Major Ions, Nutrients and Inorganics									
	<	<	<	<	<	<	<	<	<	<	mg/L	1	---	---
	0.31	0.19	0.08	0.07	0.12	0.11	0.11	0.2	0.09	0.08	mg/L	0.05	---	---
	60.4	41.6	13.5	13.3	22.5	31	29	22.5	10.3	10.3	mg/L	0.5	---	---
	1.2	0.6	0.5	0.5	0.5	0.8	0.8	0.6	0.3	0.3	mg/L	0.1	---	---
	6.5	11.3	6.5	6.4	8.1	4.1	4	5.2	0.6	0.6	mg/L	0.1	---	---
	2	<	<	<	<	<	<	<	<	<	mg/L	1	---	---
ns	99.8	99.6	95.9	95.9	95.9	95.8	95	95.9	Low EC	Low EC	%	---	---	---
	232	196	74	73	113	116	108	103	38	38	mg/L	---	---	---
	178	150	60	60	90	94	89	78	28	28	mg/L	---	---	---
	0.26	<	<	<	<	<	<	0.06	<	<	mg/L	0.05	---	0.3
	0.09	0.17	0.03	0.03	0.06	<	<	0.12	0.02	0.02	mg/L	0.01	---	---
	0.048	0.053	0.008	0.008	0.021	0.034	<	0.029	0.008	<	mg/L	0.006	---	---
	0.048	0.053	0.008	0.008	0.021	0.034	<	0.029	0.008	<	mg/L	0.006	---	2.94
	<	<	<	<	<	<	<	<	<	<	mg/L	0.002	---	0.197
	137	138	40.5	40.4	67.8	54.2	47.3	69.3	22.7	22.9	mg/L	0.05	---	---
	7.8	6.9	7.6	7.6	7.5	7.8	7.9	7.2	7.2	7.2	pH	0.1	---	6.5-9
	379	328	135	135	200	208	195	183	72	72	µS/cm	0.2	---	---
	49	9	26	25	28	52	55	11	9	9	mg/L	5	---	---
	<	<	<	<	<	<	<	<	<	<	mg/L	5	---	---
	<	<	<	<	<	<	<	<	<	<	mg/L	5	---	---
	41	7	22	21	23	43	45	9	7	7	mg/L	5	---	---
	<	0.011	0.011	<	<	0.006	<	0.026	<	0.007	mg/L	0.005	---	10.3-48.3[3]
	0.004	0.021	0.007	0.007	0.009	0.004	0.003	0.02	0.001	0.002	mg/L	0.001	---	---
	<	1	1	1	1	1	1	1	1	3	mg/L	1	---	---
	9	24	4	<	5	<	<	12	<	<	mg/L	3	---	
	4.2	11	6	5.6	7.6	0.3	0.25	11	0.2	0.15	NTU	0.1	---	---
					Total Metals									
	1.42	4.88	0.327	0.303	1.31	0.0233	0.0504	1.85	0.0502	0.051	mg/L	0.0003	0.02	0.1**
	0.00029	0.00017	0.00005	0.00005	0.00008	0.0002	0.00019	0.00009	0.00035	0.00034	mg/L	0.00003	0.0004	---
	0.0009	0.00039	0.00058	0.00054	0.0005	0.00129	0.00115	0.00062	0.00309	0.00314	mg/L	0.00003	0.0004	0.005
	0.0429	0.0456	0.0237	0.0228	0.0322	0.0445	0.0457	0.0446	0.0112	0.0111	mg/L	0.00005	0.0002	---
	<	0.0004	<	<	<	<	<	0.0002	<	<	mg/L	0.0002	0.001	---
	<	<	<	<	<	<	<	<	<	<	mg/L	0.00003	0.0001	---
	0.007	0.003	0.003	0.003	0.003	<	<	<	<	<	mg/L	0.001	0.02	---
	0.00027	0.00102	0.00037	0.00033	0.00049	0.00008	0.00007	0.00087	<	<	mg/L	0.00006	0.0008	---
	0.00269	0.00795	0.00005	<	0.00189	0.0004	0.00025	0.00497	0.00007	0.00007	mg/L	0.00005	0.0002	0.00003***
	65	43.6	13.9	13.6	23.1	32.3	30.1	22.7	10.1	10.2	mg/L	0.02	0.5	---
	0.0063	0.0156	0.0016	0.0016	0.0044	0.0004	0.0015	0.0103	0.0007	0.0007	mg/L	0.0001	0.0002	---
	0.0199	0.0442	0.0016	0.0015	0.0113	0.0007	0.0009	0.0375	0.0011	0.0011	mg/L	0.0006	0.001	0.002****
	0.262	1.44	0.495	0.487	0.653	0.098	0.061	1.16	0.005	0.005	mg/L	0.005	0.005	0.3
	<	<	0.00023	0.00022	0.00016	<	<	<	<	<	mg/L	0.00005	0.0001	0.002****
	0.0054	0.0112	0.0032	0.0032	0.0053	0.0013	0.0015	0.0055	0.0015	0.0015	mg/L	0.0001	0.006	---
	6.13	10.2	5.92	5.69	7.35	3.87	3.82	4.73	0.717	0.729	mg/L	0.004	0.1	---
	0.0996	0.182	0.0534	0.0517	0.0732	0.014	0.0269	0.126	0.0336	0.0341	mg/L	0.0001	0.001	---
	<	<	<	<	<	<	<	<	<	<	mg/L	0.00002	0.00002	---
	0.00332	0.00097	0.00022	0.0002	0.00053	0.0018	0.00152	0.00054	0.00143	0.00144	mg/L	0.00006	0.0001	0.073
	0.0569	0.142	0.00583	0.00569	0.0368	0.00753	0.00699	0.0966	0.00446	0.00443	mg/L	0.00006	0.0002	0.065****
	1.26	0.76	0.58	0.55	0.61	0.87	0.87	0.63	0.16	0.16	mg/L	0.02	0.1	---
	0.0027	0.0017	0.0002	0.0002	0.0009	0.0014	0.0012	0.0008	0.0003	0.0003	mg/L	0.0001	0.0004	0.001
	3.4	3.4	1.7	1.7	2.1	2.2	2.1	2.5	1.2	1.2	mg/L	0.1	0.1	---
	<	<	<	<	<	<	<	<	<	<	mg/L	0.0001	0.0004	0.0001
	2.22	0.993	0.587	0.559	0.733	0.765	0.468	0.394	0.25	0.258	mg/L	0.005	1	---
	0.131	0.0869	0.0422	0.0412	0.068	0.0961	0.079	0.0492	0.0209	0.0213	mg/L	0.0001	0.0002	---
	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	mg/L	---	0.0001	0.0008
	<	<	<	<	<	<	<	<	<	<	mg/L	0.0001	0.0004	---
	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	mg/L	---	0.005	---
	0.00412	0.00254	0.00047	0.00046	0.001	0.00157	0.00108	0.00107	0.00036	0.00036	mg/L	0.00005	0.0001	---
	0.00086	0.00171	0.00099	0.00094	0.00102	0.00021	0.00017	0.00225	<	<	mg/L	0.00005	0.0002	---
	0.262	0.48	0.008	0.0081	0.125	0.0226	0.0158	0.37	0.0035	0.0037	mg/L	0.0008	0.004	0.03
					Dissolved Metals									
	0.0484	0.0204	0.0374	0.0367	0.0282	0.0069	0.0314	0.016	0.0325	0.0322	mg/L	0.0003	---	0.1**
	0.00029	0.00012	0.00005	0.00005	0.00008	0.0002	0.00018	0.00008	0.00036	0.00036	mg/L	0.00003	---	---
	0.00035	0.00009	0.00028	0.00029	0.0002	0.00085	0.00102	0.0002	0.00265	0.00271	mg/L	0.00003	---	0.005
	0.0421	0.0449	0.0179	0.0177	0.0291	0.0439	0.0456	0.0445	0.0114	0.0112	mg/L	0.00005	---	---
	<	<	<	<	<	<	<	<	<	<	mg/L	0.0002	---	---
	<	<	<	<	<	<	<	<	<	<	mg/L	0.00003	---	---
	0.007	0.004	0.004	0.004	0.004	<	<	0.001	0.001	<	mg/L	0.001	---	---
	0.00238	0.00775	<	<	0.00175	0.00029	0.0002	0.00485	0.00008	0.00008	mg/L	0.00005	---	0.00003***
	65.3	44.3	13.6	13.6	23.3	32.3	30	23.3	10.3	10.3	mg/L	0.02	---	---
	0.00013	0.00008	0.00006	0.00011	0.00006	0.00008	0.00006	<	<	<	mg/L	0.00006	---	---
	0.0061	0.0165	0.0014	0.0014	0.0043	0.0004	0.0015	0.0108	0.0007	0.0007	mg/L	0.0001	---	---
	0.0019	0.0118	0.0008	0.0008	0.0021	<	0.0007	0.0049	0.0009	0.0009	mg/L	0.0006	---	0.002****
	<	0.17	0.01	0.01	0.018	0.041	0.019	0.037	<	<	mg/L	0.005	---	0.3
	<	<	<	<	<	<	<	<	<	<	mg/L	0.00005	---	0.002****
	0.0051	0.0107	0.0024	0.0025	0.0047	0.0013	0.0015	0.0055	0.0014	0.0015	mg/L	0.0001	---	---
	6.15	10.3	5.71	5.6	7.33	3.84	3.79	4.84	0.742	0.735	mg/L	0.004	---	---
	0.0988	0.183	0.0466	0.0464	0.068	0.0135	0.0266	0.126	0.0322	0.0323	mg/L	0.0001	---	---
	<	<	<	<	<	<	<	<	<	<	mg/L	0.00002	---	---
	0.00368	0.00089	0.00023	0.00024	0.00061	0.00185	0.00162	0.00043	0.00141	0.00145	mg/L	0.00006	---	0.073
	0.0558	0.146	0.00559	0.0055	0.0363	0.00756	0.00697	0.098	0.00454	0.00454	mg/L	0.00006	---	0.065****
	1.24	0.77	0.41	0.4	0.52	0.85	0.86	0.63	0.16	0.16	mg/L	0.02	---	---
	0.0033	0.0024	0.0002	0.0002	0.0011	0.0015	0.0012	0.0008	0.0003	0.0004	mg/L	0.0001	---	0.001
	3.2	3.1	1.3	1.3	1.8	2.1	2.1	2.3	1.2	1.2	mg/L	0.1	---	---
	<	<	<	<	<	<	<	<	<	<	mg/L	0.0001	---	0.0001
	2.2	1.02	0.628	0.566	0.73	0.532	0.48	0.417	0.272	0.266	mg/L	0.005	---	---
	0.158	0.118	0.0415	0.0409	0.0789	0.0966	0.0809	0.061	0.021	0.0216	mg/L	0.0001	---	---
	<	<	<	<	<	<	<	<	<	<	mg/L	0.0001	---	---
	0.00085	0.00008	0.00031	0.0003	0.00008	0.00148	0.00098	<	0.00018	0.00017	mg/L	0.00005	---	---
	0.00031	<	0.00005	<	<	0.00008	0.0001	<	0.00005	<	mg/L	0.00005	---	---
	0.153	0.45	0.0081	0.0084	0.103	0.0239	0.0163	0.349	0.0063	0.0064	mg/L	0.0008	---	0.03

for the Protection of Freshwater Aquatic Life (July 2006).

range presented here for Ammonia is specific to the range of pH of the water at this site and the temperature of the water recorded at each sampling event.

fic to the pH of the water at this site during this particular sampling event.

: Cd guideline = 10 exp{0.86[log(hardness)]-3.2}. The CCME guideline for Cadmium is specific to the average hardness of the water at this site during this particular sampling event.

r at this site during this particular sampling event.

APPENDIX

APPENDIX C ANALYTICAL RESULTS FOR THE MACTUNG 2007 SAMPLING PROGRAM

ANALYTICAL REPORT

EBA ENG CONSULTANTS LTD

ATTN: STEVE MOORE

201- 4916 49 STREET
PO BOX 2244
YELLOWKNIFE NT X1A 2P7

Reported On: 09-JUL-07 05:09 PM

Lab Work Order #: **L520779** **Date Received:** **21-JUN-07**

Project P.O. #:
Job Reference: W2310 1021
Legal Site Desc:
CofC Numbers: A040186

Other Information:

Comments: L520779-2, -3, -4, -5, -6, -9, -13: Analysis for total metals was changed from ultra low level to low level analysis, because samples contained too many suspended solids.

RON MINKS
Director, Western Canada Operations

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

CATHERINE EVARISTO-CORDERO

ALS LABORATORY GROUP ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	By	Batch
L520779-1 STATION 1								
Sampled By: SM/KL on 17-JUN-07								
Matrix: WATER								
Ultra-Low Metals - Dissolved								
Iron (Fe)	<0.005		0.005	mg/L		03-JUL-07	HAS	R543281
Ultra-Low Metals - Dissolved								
Silver (Ag)	<0.0001		0.0001	mg/L		03-JUL-07	QLI	R542398
Aluminum (Al)	0.0655		0.0003	mg/L		03-JUL-07	QLI	R542398
Arsenic (As)	0.00054		0.00003	mg/L		03-JUL-07	QLI	R542398
Boron (B)	0.003		0.001	mg/L		03-JUL-07	QLI	R542398
Barium (Ba)	0.0301		0.00005	mg/L		03-JUL-07	QLI	R542398
Beryllium (Be)	<0.0002		0.0002	mg/L		03-JUL-07	QLI	R542398
Calcium (Ca)	31.8		0.02	mg/L		03-JUL-07	QLI	R542398
Cadmium (Cd)	0.00075		0.00005	mg/L		03-JUL-07	QLI	R542398
Cobalt (Co)	0.0028		0.0001	mg/L		03-JUL-07	QLI	R542398
Chromium (Cr)	<0.00006		0.00006	mg/L		03-JUL-07	QLI	R542398
Copper (Cu)	0.0020		0.0006	mg/L		03-JUL-07	QLI	R542398
Mercury (Hg)	<0.00002		0.00002	mg/L		04-JUL-07	DEO	R543813
Potassium (K)	0.79		0.02	mg/L		03-JUL-07	QLI	R542398
Magnesium (Mg)	3.57		0.004	mg/L		03-JUL-07	QLI	R542398
Manganese (Mn)	0.0626	RRVAP	0.0001	mg/L		03-JUL-07	QLI	R542398
Molybdenum (Mo)	0.00295		0.00006	mg/L		03-JUL-07	QLI	R542398
Sodium (Na)	1.08		0.005	mg/L		03-JUL-07	QLI	R542398
Nickel (Ni)	0.0241		0.00006	mg/L		03-JUL-07	QLI	R542398
Lead (Pb)	<0.00005		0.00005	mg/L		03-JUL-07	QLI	R542398
Antimony (Sb)	0.00024		0.00003	mg/L		03-JUL-07	QLI	R542398
Selenium (Se)	0.0023		0.0001	mg/L		03-JUL-07	QLI	R542398
Strontium (Sr)	0.0948		0.0001	mg/L		03-JUL-07	QLI	R542398
Uranium (U)	0.00060		0.00005	mg/L		03-JUL-07	QLI	R542398
Vanadium (V)	0.00041		0.00005	mg/L		03-JUL-07	QLI	R542398
Zinc (Zn)	0.0746		0.0008	mg/L		03-JUL-07	QLI	R542398
Ultra-Low Metals								
Iron (Fe)	0.039		0.005	mg/L		03-JUL-07	HAS	R543281
Ultra-Low Metals								
Silver (Ag)	<0.0001		0.0001	mg/L		03-JUL-07	QLI	R542398
Aluminum (Al)	0.318		0.0003	mg/L		03-JUL-07	QLI	R542398
Arsenic (As)	0.00115		0.00003	mg/L		03-JUL-07	QLI	R542398
Boron (B)	0.003		0.001	mg/L		03-JUL-07	QLI	R542398
Barium (Ba)	0.0342		0.00005	mg/L		03-JUL-07	QLI	R542398
Beryllium (Be)	<0.0002		0.0002	mg/L		03-JUL-07	QLI	R542398
Calcium (Ca)	32.2		0.02	mg/L		03-JUL-07	QLI	R542398
Cadmium (Cd)	0.00078		0.00005	mg/L		03-JUL-07	QLI	R542398
Cobalt (Co)	0.0030		0.0001	mg/L		03-JUL-07	QLI	R542398
Chromium (Cr)	<0.00006		0.00006	mg/L		03-JUL-07	QLI	R542398
Copper (Cu)	0.0046		0.0006	mg/L		03-JUL-07	QLI	R542398
Mercury (Hg)	<0.00002		0.00002	mg/L		04-JUL-07	DEO	R543813
Potassium (K)	0.82		0.02	mg/L		03-JUL-07	QLI	R542398
Magnesium (Mg)	3.68		0.004	mg/L		03-JUL-07	QLI	R542398
Manganese (Mn)	0.0655		0.0001	mg/L		03-JUL-07	QLI	R542398
Molybdenum (Mo)	0.00290		0.00006	mg/L		03-JUL-07	QLI	R542398
Sodium (Na)	1.09		0.005	mg/L		03-JUL-07	QLI	R542398
Nickel (Ni)	0.0251		0.00006	mg/L		03-JUL-07	QLI	R542398
Lead (Pb)	<0.00005		0.00005	mg/L		03-JUL-07	QLI	R542398
Antimony (Sb)	0.00024		0.00003	mg/L		03-JUL-07	QLI	R542398
Selenium (Se)	0.0022		0.0001	mg/L		03-JUL-07	QLI	R542398

ALS LABORATORY GROUP ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	By	Batch
L520779-1 STATION 1								
Sampled By: SM/KL on 17-JUN-07								
Matrix: WATER								
Ultra-Low Metals								
Ultra-Low Metals								
Strontium (Sr)	0.0922		0.0001	mg/L		03-JUL-07	QLI	R542398
Uranium (U)	0.00168		0.00005	mg/L		03-JUL-07	QLI	R542398
Vanadium (V)	0.00070		0.00005	mg/L		03-JUL-07	QLI	R542398
Zinc (Zn)	0.0856		0.0008	mg/L		03-JUL-07	QLI	R542398
Ammonia-N	<0.005		0.005	mg/L		24-JUN-07	SHC	R539767
Bismuth (Bi)	<0.00003		0.00003	mg/L		03-JUL-07	QLI	R542398
Bismuth (Bi)	<0.00003		0.00003	mg/L		03-JUL-07	QLI	R542398
Iron (Fe)-Extractable	<0.05		0.05	mg/L		30-JUN-07	WYA	R542778
Lithium (Li)	0.0029		0.0001	mg/L		03-JUL-07	QLI	R542398
Lithium (Li)	0.0030		0.0001	mg/L		03-JUL-07	QLI	R542398
Manganese (Mn)-Extractable	0.04		0.01	mg/L		30-JUN-07	WYA	R542778
Phosphorus, Total	0.007		0.001	mg/L		26-JUN-07	MCH	R541610
Silicon (Si)-Dissolved	2.4		0.1	mg/L		03-JUL-07	HAS	R543281
Silicon (Si)-Total	2.4		0.1	mg/L		03-JUL-07	HAS	R543281
Tin (Sn)-Total	<0.0001		0.0001	mg/L		03-JUL-07	QLI	R542398
Tin (Sn)-Dissolved	<0.0001		0.0001	mg/L		03-JUL-07	QLI	R542398
Total Organic Carbon	<1		1	mg/L		25-JUN-07	TL	R539841
Total Suspended Solids	<3		3	mg/L		25-JUN-07	SVG	R539896
Turbidity	1.2		0.1	NTU		22-JUN-07	LD	R539045
Routine Water: Major Ions,F,Fe,Mn - Low								
Chloride (Cl)	<1		1	mg/L		25-JUN-07	RGM/	R540075
Fluoride (F)	0.19		0.05	mg/L		22-JUN-07	CLT	R539332
ICP metals for routine water								
Calcium (Ca)	33.7		0.5	mg/L		25-JUN-07	EOC	R540101
Potassium (K)	0.5		0.1	mg/L		25-JUN-07	EOC	R540101
Magnesium (Mg)	3.3		0.1	mg/L		25-JUN-07	EOC	R540101
Sodium (Na)	1		1	mg/L		25-JUN-07	EOC	R540101
Ion Balance Calculation								
Ion Balance	93.9			%		26-JUN-07		
TDS (Calculated)	130			mg/L		26-JUN-07		
Hardness (as CaCO3)	98			mg/L		26-JUN-07		
Nitrate+Nitrite-N	0.071		0.006	mg/L		22-JUN-07	FYG	R539265
Nitrate-N	0.071		0.006	mg/L		22-JUN-07	FYG	R539265
Nitrite-N	<0.002		0.002	mg/L		22-JUN-07	FYG	R539265
Sulphate (SO4)	71.4		0.05	mg/L		22-JUN-07	JTV	R537487
pH, Conductivity and Total Alkalinity								
pH	7.4		0.1	pH		22-JUN-07	CLT	R539332
Conductivity (EC)	220		0.2	uS/cm		22-JUN-07	CLT	R539332
Bicarbonate (HCO3)	39		5	mg/L		22-JUN-07	CLT	R539332
Carbonate (CO3)	<5		5	mg/L		22-JUN-07	CLT	R539332
Hydroxide (OH)	<5		5	mg/L		22-JUN-07	CLT	R539332
Alkalinity, Total (as CaCO3)	32		5	mg/L		22-JUN-07	CLT	R539332
L520779-2 STATION 2								
Sampled By: SM/KL on 17-JUN-07								
Matrix: WATER								
Total Metals								
Total Major Metals								

ALS LABORATORY GROUP ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	By	Batch
L520779-2 STATION 2								
Sampled By: SM/KL on 17-JUN-07								
Matrix: WATER								
Total Metals								
Total Major Metals								
Calcium (Ca)	28.2		0.5	mg/L		04-JUL-07	HAS	R543010
Potassium (K)	0.5		0.1	mg/L		04-JUL-07	HAS	R543010
Magnesium (Mg)	7.5		0.1	mg/L		04-JUL-07	HAS	R543010
Sodium (Na)	<1		1	mg/L		04-JUL-07	HAS	R543010
Iron (Fe)	0.704		0.005	mg/L		04-JUL-07	HAS	R543010
Manganese (Mn)	0.121		0.001	mg/L		04-JUL-07	HAS	R543010
Total Trace Metals (Low Level)								
Silver (Ag)	<0.0004		0.0004	mg/L		05-JUL-07	MX	R544326
Aluminum (Al)	2.02		0.02	mg/L		05-JUL-07	MX	R544326
Arsenic (As)	0.0010		0.0004	mg/L		05-JUL-07	MX	R544326
Boron (B)	<0.02		0.02	mg/L		05-JUL-07	MX	R544326
Barium (Ba)	0.0556		0.0002	mg/L		05-JUL-07	MX	R544326
Beryllium (Be)	<0.001		0.001	mg/L		05-JUL-07	MX	R544326
Bismuth (Bi)	<0.0001		0.0001	mg/L		05-JUL-07	MX	R544326
Cadmium (Cd)	0.0033		0.0002	mg/L		05-JUL-07	MX	R544326
Cobalt (Co)	0.0076		0.0002	mg/L		05-JUL-07	MX	R544326
Chromium (Cr)	<0.0008		0.0008	mg/L		05-JUL-07	MX	R544326
Copper (Cu)	0.020		0.001	mg/L		05-JUL-07	MX	R544326
Molybdenum (Mo)	0.0016		0.0001	mg/L		05-JUL-07	MX	R544326
Nickel (Ni)	0.0686		0.0002	mg/L		05-JUL-07	MX	R544326
Lead (Pb)	0.0002		0.0001	mg/L		05-JUL-07	MX	R544326
Antimony (Sb)	<0.0004		0.0004	mg/L		05-JUL-07	MX	R544326
Selenium (Se)	0.0022		0.0004	mg/L		05-JUL-07	MX	R544326
Tin (Sn)	<0.0004		0.0004	mg/L		05-JUL-07	MX	R544326
Strontium (Sr)	0.110		0.0002	mg/L		05-JUL-07	MX	R544326
Titanium (Ti)	<0.005		0.005	mg/L		05-JUL-07	MX	R544326
Thallium (Tl)	<0.0001		0.0001	mg/L		05-JUL-07	MX	R544326
Uranium (U)	0.0011		0.0001	mg/L		05-JUL-07	MX	R544326
Vanadium (V)	0.0013		0.0002	mg/L		05-JUL-07	MX	R544326
Zinc (Zn)	0.207		0.004	mg/L		05-JUL-07	MX	R544326
Ultra-Low Metals - Dissolved								
Iron (Fe)	0.094		0.005	mg/L		03-JUL-07	HAS	R543281
Ultra-Low Metals - Dissolved								
Silver (Ag)	<0.0001		0.0001	mg/L		03-JUL-07	QLI	R542398
Aluminum (Al)	0.0239		0.0003	mg/L		03-JUL-07	QLI	R542398
Arsenic (As)	0.00008		0.00003	mg/L		03-JUL-07	QLI	R542398
Boron (B)	0.001		0.001	mg/L		03-JUL-07	QLI	R542398
Barium (Ba)	0.0403		0.00005	mg/L		03-JUL-07	QLI	R542398
Beryllium (Be)	<0.0002		0.0002	mg/L		03-JUL-07	QLI	R542398
Calcium (Ca)	24.6		0.02	mg/L		03-JUL-07	QLI	R542398
Cadmium (Cd)	0.00277		0.00005	mg/L		03-JUL-07	QLI	R542398
Cobalt (Co)	0.0078		0.0001	mg/L		03-JUL-07	QLI	R542398
Chromium (Cr)	<0.00006		0.00006	mg/L		03-JUL-07	QLI	R542398
Copper (Cu)	0.0039		0.0006	mg/L		03-JUL-07	QLI	R542398
Mercury (Hg)	<0.00002		0.00002	mg/L		04-JUL-07	DEO	R543813
Potassium (K)	0.53		0.02	mg/L		03-JUL-07	QLI	R542398
Magnesium (Mg)	7.67		0.004	mg/L		03-JUL-07	QLI	R542398
Manganese (Mn)	0.112	RRVAP	0.0001	mg/L		03-JUL-07	QLI	R542398
Molybdenum (Mo)	0.00122		0.00006	mg/L		03-JUL-07	QLI	R542398
Sodium (Na)	0.554		0.005	mg/L		03-JUL-07	QLI	R542398

ALS LABORATORY GROUP ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	By	Batch
L520779-2 STATION 2								
Sampled By: SM/KL on 17-JUN-07								
Matrix: WATER								
Ultra-Low Metals - Dissolved								
Ultra-Low Metals - Dissolved								
Nickel (Ni)	0.0686		0.00006	mg/L		03-JUL-07	QLI	R542398
Lead (Pb)	<0.00005		0.00005	mg/L		03-JUL-07	QLI	R542398
Antimony (Sb)	0.00014		0.00003	mg/L		03-JUL-07	QLI	R542398
Selenium (Se)	0.0020		0.0001	mg/L		03-JUL-07	QLI	R542398
Strontium (Sr)	0.114		0.0001	mg/L		03-JUL-07	QLI	R542398
Uranium (U)	<0.00005		0.00005	mg/L		03-JUL-07	QLI	R542398
Vanadium (V)	0.00007		0.00005	mg/L		03-JUL-07	QLI	R542398
Zinc (Zn)	0.182		0.0008	mg/L		03-JUL-07	QLI	R542398
Ammonia-N	<0.005		0.005	mg/L		24-JUN-07	SHC	R539767
Bismuth (Bi)	<0.00003		0.00003	mg/L		03-JUL-07	QLI	R542398
Iron (Fe)-Extractable	0.44		0.05	mg/L		30-JUN-07	WYA	R542778
Lithium (Li)	0.0055		0.0001	mg/L		03-JUL-07	QLI	R542398
Lithium (Li)-Total	0.006		0.006	mg/L		05-JUL-07	MX	R544326
Manganese (Mn)-Extractable	0.09		0.01	mg/L		30-JUN-07	WYA	R542778
Mercury (Hg)-Total	<0.0002		0.0002	mg/L		05-JUL-07	MX	R544326
Phosphorus, Total	0.020		0.001	mg/L		26-JUN-07	MCH	R541610
Silicon (Si)-Dissolved	2.4		0.1	mg/L		03-JUL-07	HAS	R543281
Silicon (Si)-Total	2.8		0.1	mg/L		04-JUL-07	HAS	R543010
Tin (Sn)-Dissolved	<0.0001		0.0001	mg/L		03-JUL-07	QLI	R542398
Tin (Sn)-Total	<0.0004		0.0004	mg/L		05-JUL-07	MX	R544326
Total Organic Carbon	<1		1	mg/L		25-JUN-07	TL	R539841
Total Suspended Solids	19		3	mg/L		25-JUN-07	SVG	R539896
Turbidity	1.8		0.1	NTU		22-JUN-07	LD	R539045
Routine Water: Major Ions,F,Fe,Mn - Low								
Chloride (Cl)	<1		1	mg/L		25-JUN-07	RGM/	R540075
Fluoride (F)	0.17		0.05	mg/L		22-JUN-07	CLT	R539332
ICP metals for routine water								
Calcium (Ca)	27.2		0.5	mg/L		25-JUN-07	EOC	R540101
Potassium (K)	0.4		0.1	mg/L		25-JUN-07	EOC	R540101
Magnesium (Mg)	7.0		0.1	mg/L		25-JUN-07	EOC	R540101
Sodium (Na)	<1		1	mg/L		25-JUN-07	EOC	R540101
Ion Balance Calculation								
Ion Balance	94.8			%		26-JUN-07		
TDS (Calculated)	126			mg/L		26-JUN-07		
Hardness (as CaCO3)	97			mg/L		26-JUN-07		
Nitrate+Nitrite-N	0.072		0.006	mg/L		22-JUN-07	FYG	R539265
Nitrate-N	0.072		0.006	mg/L		22-JUN-07	FYG	R539265
Nitrite-N	<0.002		0.002	mg/L		22-JUN-07	FYG	R539265
Sulphate (SO4)	80.5		0.05	mg/L		22-JUN-07	JTV	R537487
pH, Conductivity and Total Alkalinity								
pH	7.0		0.1	pH		22-JUN-07	CLT	R539332
Conductivity (EC)	218		0.2	uS/cm		22-JUN-07	CLT	R539332
Bicarbonate (HCO3)	22		5	mg/L		22-JUN-07	CLT	R539332
Carbonate (CO3)	<5		5	mg/L		22-JUN-07	CLT	R539332
Hydroxide (OH)	<5		5	mg/L		22-JUN-07	CLT	R539332
Alkalinity, Total (as CaCO3)	18		5	mg/L		22-JUN-07	CLT	R539332

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Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	By	Batch
L520779-3 STATION 3								
Sampled By: SM/KL on 17-JUN-07								
Matrix: WATER								
Total Metals								
Total Major Metals								
Calcium (Ca)	10.0		0.5	mg/L		04-JUL-07	HAS	R543010
Potassium (K)	0.3		0.1	mg/L		04-JUL-07	HAS	R543010
Magnesium (Mg)	4.6		0.1	mg/L		04-JUL-07	HAS	R543010
Sodium (Na)	<1		1	mg/L		04-JUL-07	HAS	R543010
Iron (Fe)	0.607		0.005	mg/L		04-JUL-07	HAS	R543010
Manganese (Mn)	0.029		0.001	mg/L		04-JUL-07	HAS	R543010
Total Trace Metals (Low Level)								
Silver (Ag)	<0.0004		0.0004	mg/L		05-JUL-07	MX	R544326
Aluminum (Al)	0.45		0.02	mg/L		05-JUL-07	MX	R544326
Arsenic (As)	0.0010		0.0004	mg/L		05-JUL-07	MX	R544326
Boron (B)	<0.02		0.02	mg/L		05-JUL-07	MX	R544326
Barium (Ba)	0.0207		0.0002	mg/L		05-JUL-07	MX	R544326
Beryllium (Be)	<0.001		0.001	mg/L		05-JUL-07	MX	R544326
Bismuth (Bi)	<0.0001		0.0001	mg/L		05-JUL-07	MX	R544326
Cadmium (Cd)	<0.0002		0.0002	mg/L		05-JUL-07	MX	R544326
Cobalt (Co)	0.0010		0.0002	mg/L		05-JUL-07	MX	R544326
Chromium (Cr)	<0.0008		0.0008	mg/L		05-JUL-07	MX	R544326
Copper (Cu)	0.001		0.001	mg/L		05-JUL-07	MX	R544326
Molybdenum (Mo)	0.0003		0.0001	mg/L		05-JUL-07	MX	R544326
Nickel (Ni)	0.0044		0.0002	mg/L		05-JUL-07	MX	R544326
Lead (Pb)	0.0003		0.0001	mg/L		05-JUL-07	MX	R544326
Antimony (Sb)	<0.0004		0.0004	mg/L		05-JUL-07	MX	R544326
Selenium (Se)	<0.0004		0.0004	mg/L		05-JUL-07	MX	R544326
Tin (Sn)	<0.0004		0.0004	mg/L		05-JUL-07	MX	R544326
Strontium (Sr)	0.0300		0.0002	mg/L		05-JUL-07	MX	R544326
Titanium (Ti)	0.026		0.005	mg/L		05-JUL-07	MX	R544326
Thallium (Tl)	<0.0001		0.0001	mg/L		05-JUL-07	MX	R544326
Uranium (U)	0.0003		0.0001	mg/L		05-JUL-07	MX	R544326
Vanadium (V)	0.0009		0.0002	mg/L		05-JUL-07	MX	R544326
Zinc (Zn)	0.010		0.004	mg/L		05-JUL-07	MX	R544326
Ultra-Low Metals - Dissolved								
Iron (Fe)	0.020		0.005	mg/L		03-JUL-07	HAS	R543281
Ultra-Low Metals - Dissolved								
Silver (Ag)	<0.0001		0.0001	mg/L		03-JUL-07	QLI	R542398
Aluminum (Al)	0.0343		0.0003	mg/L		03-JUL-07	QLI	R542398
Arsenic (As)	0.00033		0.00003	mg/L		03-JUL-07	QLI	R542398
Boron (B)	0.002		0.001	mg/L		03-JUL-07	QLI	R542398
Barium (Ba)	0.0139		0.00005	mg/L		03-JUL-07	QLI	R542398
Beryllium (Be)	<0.0002		0.0002	mg/L		03-JUL-07	QLI	R542398
Calcium (Ca)	8.52		0.02	mg/L		03-JUL-07	QLI	R542398
Cadmium (Cd)	<0.00005		0.00005	mg/L		03-JUL-07	QLI	R542398
Cobalt (Co)	0.0007		0.0001	mg/L		03-JUL-07	QLI	R542398
Chromium (Cr)	<0.00006		0.00006	mg/L		03-JUL-07	QLI	R542398
Copper (Cu)	0.0007		0.0006	mg/L		03-JUL-07	QLI	R542398
Mercury (Hg)	<0.00002		0.00002	mg/L		04-JUL-07	DEO	R543813
Potassium (K)	0.35		0.02	mg/L		03-JUL-07	QLI	R542398
Magnesium (Mg)	4.49		0.004	mg/L		03-JUL-07	QLI	R542398
Manganese (Mn)	0.0179		0.0001	mg/L		03-JUL-07	QLI	R542398
Molybdenum (Mo)	0.00025		0.00006	mg/L		03-JUL-07	QLI	R542398
Sodium (Na)	0.351		0.005	mg/L		03-JUL-07	QLI	R542398

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Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	By	Batch
L520779-3 STATION 3								
Sampled By: SM/KL on 17-JUN-07								
Matrix: WATER								
Ultra-Low Metals - Dissolved								
Ultra-Low Metals - Dissolved								
Nickel (Ni)	0.00378		0.00006	mg/L		03-JUL-07	QLI	R542398
Lead (Pb)	<0.00005		0.00005	mg/L		03-JUL-07	QLI	R542398
Antimony (Sb)	0.00007		0.00003	mg/L		03-JUL-07	QLI	R542398
Selenium (Se)	0.0003		0.0001	mg/L		03-JUL-07	QLI	R542398
Strontium (Sr)	0.0290		0.0001	mg/L		03-JUL-07	QLI	R542398
Uranium (U)	0.00022		0.00005	mg/L		03-JUL-07	QLI	R542398
Vanadium (V)	0.00008		0.00005	mg/L		03-JUL-07	QLI	R542398
Zinc (Zn)	0.0055		0.0008	mg/L		03-JUL-07	QLI	R542398
Ammonia-N	<0.005		0.005	mg/L		24-JUN-07	SHC	R539767
Bismuth (Bi)	<0.00003		0.00003	mg/L		03-JUL-07	QLI	R542398
Iron (Fe)-Extractable	<0.05		0.05	mg/L		30-JUN-07	WYA	R542778
Lithium (Li)	0.0018		0.0001	mg/L		03-JUL-07	QLI	R542398
Lithium (Li)-Total	<0.006		0.006	mg/L		05-JUL-07	MX	R544326
Manganese (Mn)-Extractable	<0.01		0.01	mg/L		30-JUN-07	WYA	R542778
Mercury (Hg)-Total	<0.0002		0.0002	mg/L		05-JUL-07	MX	R544326
Phosphorus, Total	0.013		0.001	mg/L		26-JUN-07	MCH	R541610
Silicon (Si)-Dissolved	1.2		0.1	mg/L		03-JUL-07	HAS	R543281
Silicon (Si)-Total	2.0		0.1	mg/L		04-JUL-07	HAS	R543010
Tin (Sn)-Dissolved	<0.0001		0.0001	mg/L		03-JUL-07	QLI	R542398
Tin (Sn)-Total	<0.0004		0.0004	mg/L		05-JUL-07	MX	R544326
Total Organic Carbon	<1		1	mg/L		25-JUN-07	TL	R539841
Total Suspended Solids	4		3	mg/L		25-JUN-07	SVG	R539896
Turbidity	4.9		0.1	NTU		22-JUN-07	LD	R539045
Routine Water: Major Ions,F,Fe,Mn - Low								
Chloride (Cl)	<1		1	mg/L		25-JUN-07	RGM/	R540075
Fluoride (F)	0.06		0.05	mg/L		22-JUN-07	CLT	R539332
ICP metals for routine water								
Calcium (Ca)	9.4		0.5	mg/L		25-JUN-07	EOC	R540101
Potassium (K)	0.3		0.1	mg/L		25-JUN-07	EOC	R540101
Magnesium (Mg)	4.2		0.1	mg/L		25-JUN-07	EOC	R540101
Sodium (Na)	<1		1	mg/L		25-JUN-07	EOC	R540101
Ion Balance Calculation								
Ion Balance	Low EC			%		26-JUN-07		
TDS (Calculated)	48			mg/L		26-JUN-07		
Hardness (as CaCO3)	41			mg/L		26-JUN-07		
Nitrate+Nitrite-N	0.029		0.006	mg/L		22-JUN-07	FYG	R539265
Nitrate-N	0.029		0.006	mg/L		22-JUN-07	FYG	R539265
Nitrite-N	<0.002		0.002	mg/L		22-JUN-07	FYG	R539265
Sulphate (SO4)	25.2		0.05	mg/L		22-JUN-07	JTV	R537487
pH, Conductivity and Total Alkalinity								
pH	7.1		0.1	pH		22-JUN-07	CLT	R539332
Conductivity (EC)	95.7		0.2	uS/cm		22-JUN-07	CLT	R539332
Bicarbonate (HCO3)	17		5	mg/L		22-JUN-07	CLT	R539332
Carbonate (CO3)	<5		5	mg/L		22-JUN-07	CLT	R539332
Hydroxide (OH)	<5		5	mg/L		22-JUN-07	CLT	R539332
Alkalinity, Total (as CaCO3)	14		5	mg/L		22-JUN-07	CLT	R539332

ALS LABORATORY GROUP ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	By	Batch
L520779-4 STATION 3 DUPLICATE								
Sampled By: SM/KL on 17-JUN-07								
Matrix: WATER								
Total Metals								
Total Major Metals								
Calcium (Ca)	9.9		0.5	mg/L		04-JUL-07	HAS	R543010
Potassium (K)	0.4		0.1	mg/L		04-JUL-07	HAS	R543010
Magnesium (Mg)	4.5		0.1	mg/L		04-JUL-07	HAS	R543010
Sodium (Na)	<1		1	mg/L		04-JUL-07	HAS	R543010
Iron (Fe)	0.597		0.005	mg/L		04-JUL-07	HAS	R543010
Manganese (Mn)	0.029		0.001	mg/L		04-JUL-07	HAS	R543010
Total Trace Metals (Low Level)								
Silver (Ag)	<0.0004		0.0004	mg/L		05-JUL-07	MX	R544326
Aluminum (Al)	0.43		0.02	mg/L		05-JUL-07	MX	R544326
Arsenic (As)	0.0010		0.0004	mg/L		05-JUL-07	MX	R544326
Boron (B)	<0.02		0.02	mg/L		05-JUL-07	MX	R544326
Barium (Ba)	0.0208		0.0002	mg/L		05-JUL-07	MX	R544326
Beryllium (Be)	<0.001		0.001	mg/L		05-JUL-07	MX	R544326
Bismuth (Bi)	<0.0001		0.0001	mg/L		05-JUL-07	MX	R544326
Cadmium (Cd)	<0.0002		0.0002	mg/L		05-JUL-07	MX	R544326
Cobalt (Co)	0.0010		0.0002	mg/L		05-JUL-07	MX	R544326
Chromium (Cr)	<0.0008		0.0008	mg/L		05-JUL-07	MX	R544326
Copper (Cu)	0.001		0.001	mg/L		05-JUL-07	MX	R544326
Molybdenum (Mo)	0.0003		0.0001	mg/L		05-JUL-07	MX	R544326
Nickel (Ni)	0.0045		0.0002	mg/L		05-JUL-07	MX	R544326
Lead (Pb)	0.0004		0.0001	mg/L		05-JUL-07	MX	R544326
Antimony (Sb)	<0.0004		0.0004	mg/L		05-JUL-07	MX	R544326
Selenium (Se)	<0.0004		0.0004	mg/L		05-JUL-07	MX	R544326
Tin (Sn)	<0.0004		0.0004	mg/L		05-JUL-07	MX	R544326
Strontium (Sr)	0.0301		0.0002	mg/L		05-JUL-07	MX	R544326
Titanium (Ti)	0.026		0.005	mg/L		05-JUL-07	MX	R544326
Thallium (Tl)	<0.0001		0.0001	mg/L		05-JUL-07	MX	R544326
Uranium (U)	0.0003		0.0001	mg/L		05-JUL-07	MX	R544326
Vanadium (V)	0.0008		0.0002	mg/L		05-JUL-07	MX	R544326
Zinc (Zn)	0.009		0.004	mg/L		05-JUL-07	MX	R544326
Ultra-Low Metals - Dissolved								
Iron (Fe)	0.022		0.005	mg/L		03-JUL-07	HAS	R543281
Ultra-Low Metals - Dissolved								
Silver (Ag)	<0.0001		0.0001	mg/L		03-JUL-07	QLI	R542398
Aluminum (Al)	0.0359		0.0003	mg/L		03-JUL-07	QLI	R542398
Arsenic (As)	0.00034		0.00003	mg/L		03-JUL-07	QLI	R542398
Boron (B)	0.002		0.001	mg/L		03-JUL-07	QLI	R542398
Barium (Ba)	0.0139		0.00005	mg/L		03-JUL-07	QLI	R542398
Beryllium (Be)	<0.0002		0.0002	mg/L		03-JUL-07	QLI	R542398
Calcium (Ca)	8.82		0.02	mg/L		03-JUL-07	QLI	R542398
Cadmium (Cd)	<0.00005		0.00005	mg/L		03-JUL-07	QLI	R542398
Cobalt (Co)	0.0007		0.0001	mg/L		03-JUL-07	QLI	R542398
Chromium (Cr)	<0.00006		0.00006	mg/L		03-JUL-07	QLI	R542398
Copper (Cu)	0.0008		0.0006	mg/L		03-JUL-07	QLI	R542398
Mercury (Hg)	<0.00002		0.00002	mg/L		04-JUL-07	DEO	R543813
Potassium (K)	0.37		0.02	mg/L		03-JUL-07	QLI	R542398
Magnesium (Mg)	4.58		0.004	mg/L		03-JUL-07	QLI	R542398
Manganese (Mn)	0.0182		0.0001	mg/L		03-JUL-07	QLI	R542398
Molybdenum (Mo)	0.00027		0.00006	mg/L		03-JUL-07	QLI	R542398
Sodium (Na)	0.362		0.005	mg/L		03-JUL-07	QLI	R542398

ALS LABORATORY GROUP ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	By	Batch
L520779-4 STATION 3 DUPLICATE								
Sampled By: SM/KL on 17-JUN-07								
Matrix: WATER								
Ultra-Low Metals - Dissolved								
Ultra-Low Metals - Dissolved								
Nickel (Ni)	0.00377		0.00006	mg/L		03-JUL-07	QLI	R542398
Lead (Pb)	<0.00005		0.00005	mg/L		03-JUL-07	QLI	R542398
Antimony (Sb)	0.00006		0.00003	mg/L		03-JUL-07	QLI	R542398
Selenium (Se)	0.0001		0.0001	mg/L		03-JUL-07	QLI	R542398
Strontium (Sr)	0.0292		0.0001	mg/L		03-JUL-07	QLI	R542398
Uranium (U)	0.00023		0.00005	mg/L		03-JUL-07	QLI	R542398
Vanadium (V)	0.00009		0.00005	mg/L		03-JUL-07	QLI	R542398
Zinc (Zn)	0.0058		0.0008	mg/L		03-JUL-07	QLI	R542398
Ammonia-N	<0.005		0.005	mg/L		24-JUN-07	SHC	R539767
Bismuth (Bi)	<0.00003		0.00003	mg/L		03-JUL-07	QLI	R542398
Iron (Fe)-Extractable	<0.05		0.05	mg/L		30-JUN-07	WYA	R542778
Lithium (Li)	0.0016		0.0001	mg/L		03-JUL-07	QLI	R542398
Lithium (Li)-Total	<0.006		0.006	mg/L		05-JUL-07	MX	R544326
Manganese (Mn)-Extractable	<0.01		0.01	mg/L		30-JUN-07	WYA	R542778
Mercury (Hg)-Total	<0.0002		0.0002	mg/L		05-JUL-07	MX	R544326
Phosphorus, Total	0.012		0.001	mg/L		26-JUN-07	MCH	R541610
Silicon (Si)-Dissolved	1.2		0.1	mg/L		03-JUL-07	HAS	R543281
Silicon (Si)-Total	1.9		0.1	mg/L		04-JUL-07	HAS	R543010
Tin (Sn)-Dissolved	0.0001		0.0001	mg/L		03-JUL-07	QLI	R542398
Tin (Sn)-Total	<0.0004		0.0004	mg/L		05-JUL-07	MX	R544326
Total Organic Carbon	<1		1	mg/L		25-JUN-07	TL	R539841
Total Suspended Solids	6		3	mg/L		25-JUN-07	SVG	R539896
Turbidity	5.8		0.1	NTU		22-JUN-07	LD	R539045
Routine Water: Major Ions,F,Fe,Mn - Low								
Chloride (Cl)	<1		1	mg/L		25-JUN-07	RGM/	R540075
Fluoride (F)	0.06		0.05	mg/L		22-JUN-07	CLT	R539332
ICP metals for routine water								
Calcium (Ca)	9.5		0.5	mg/L		25-JUN-07	EOC	R540101
Potassium (K)	0.4		0.1	mg/L		25-JUN-07	EOC	R540101
Magnesium (Mg)	4.3		0.1	mg/L		25-JUN-07	EOC	R540101
Sodium (Na)	<1		1	mg/L		25-JUN-07	EOC	R540101
Ion Balance Calculation								
Ion Balance	Low EC			%		26-JUN-07		
TDS (Calculated)	49			mg/L		26-JUN-07		
Hardness (as CaCO3)	41			mg/L		26-JUN-07		
Nitrate+Nitrite-N	0.029		0.006	mg/L		22-JUN-07	FYG	R539265
Nitrate-N	0.029		0.006	mg/L		22-JUN-07	FYG	R539265
Nitrite-N	<0.002		0.002	mg/L		22-JUN-07	FYG	R539265
Sulphate (SO4)	25.2		0.05	mg/L		22-JUN-07	JTV	R537487
pH, Conductivity and Total Alkalinity								
pH	7.2		0.1	pH		22-JUN-07	CLT	R539332
Conductivity (EC)	95.9		0.2	uS/cm		22-JUN-07	CLT	R539332
Bicarbonate (HCO3)	18		5	mg/L		22-JUN-07	CLT	R539332
Carbonate (CO3)	<5		5	mg/L		22-JUN-07	CLT	R539332
Hydroxide (OH)	<5		5	mg/L		22-JUN-07	CLT	R539332
Alkalinity, Total (as CaCO3)	15		5	mg/L		22-JUN-07	CLT	R539332

ALS LABORATORY GROUP ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	By	Batch
L520779-5 STATION 4								
Sampled By: SM/KL on 17-JUN-07								
Matrix: WATER								
Total Metals								
Total Major Metals								
Calcium (Ca)	15.3		0.5	mg/L		04-JUL-07	HAS	R543010
Potassium (K)	0.4		0.1	mg/L		04-JUL-07	HAS	R543010
Magnesium (Mg)	5.6		0.1	mg/L		04-JUL-07	HAS	R543010
Sodium (Na)	<1		1	mg/L		04-JUL-07	HAS	R543010
Iron (Fe)	0.637		0.005	mg/L		04-JUL-07	HAS	R543010
Manganese (Mn)	0.052		0.001	mg/L		04-JUL-07	HAS	R543010
Total Trace Metals (Low Level)								
Silver (Ag)	<0.0004		0.0004	mg/L		05-JUL-07	MX	R544326
Aluminum (Al)	0.81		0.02	mg/L		05-JUL-07	MX	R544326
Arsenic (As)	0.0010		0.0004	mg/L		05-JUL-07	MX	R544326
Boron (B)	<0.02		0.02	mg/L		05-JUL-07	MX	R544326
Barium (Ba)	0.0313		0.0002	mg/L		05-JUL-07	MX	R544326
Beryllium (Be)	<0.001		0.001	mg/L		05-JUL-07	MX	R544326
Bismuth (Bi)	<0.0001		0.0001	mg/L		05-JUL-07	MX	R544326
Cadmium (Cd)	0.0009		0.0002	mg/L		05-JUL-07	MX	R544326
Cobalt (Co)	0.0026		0.0002	mg/L		05-JUL-07	MX	R544326
Chromium (Cr)	<0.0008		0.0008	mg/L		05-JUL-07	MX	R544326
Copper (Cu)	0.006		0.001	mg/L		05-JUL-07	MX	R544326
Molybdenum (Mo)	0.0006		0.0001	mg/L		05-JUL-07	MX	R544326
Nickel (Ni)	0.0210		0.0002	mg/L		05-JUL-07	MX	R544326
Lead (Pb)	0.0004		0.0001	mg/L		05-JUL-07	MX	R544326
Antimony (Sb)	<0.0004		0.0004	mg/L		05-JUL-07	MX	R544326
Selenium (Se)	0.0008		0.0004	mg/L		05-JUL-07	MX	R544326
Tin (Sn)	<0.0004		0.0004	mg/L		05-JUL-07	MX	R544326
Strontium (Sr)	0.0556		0.0002	mg/L		05-JUL-07	MX	R544326
Titanium (Ti)	0.019		0.005	mg/L		05-JUL-07	MX	R544326
Thallium (Tl)	<0.0001		0.0001	mg/L		05-JUL-07	MX	R544326
Uranium (U)	0.0005		0.0001	mg/L		05-JUL-07	MX	R544326
Vanadium (V)	0.0009		0.0002	mg/L		05-JUL-07	MX	R544326
Zinc (Zn)	0.062		0.004	mg/L		05-JUL-07	MX	R544326
Ultra-Low Metals - Dissolved								
Iron (Fe)	0.020		0.005	mg/L		03-JUL-07	HAS	R543281
Ultra-Low Metals - Dissolved								
Silver (Ag)	<0.0001		0.0001	mg/L		03-JUL-07	QLI	R542398
Aluminum (Al)	0.0353		0.0003	mg/L		03-JUL-07	QLI	R542398
Arsenic (As)	0.00020		0.00003	mg/L		03-JUL-07	QLI	R542398
Boron (B)	0.002		0.001	mg/L		03-JUL-07	QLI	R542398
Barium (Ba)	0.0217		0.00005	mg/L		03-JUL-07	QLI	R542398
Beryllium (Be)	<0.0002		0.0002	mg/L		03-JUL-07	QLI	R542398
Calcium (Ca)	13.1		0.02	mg/L		03-JUL-07	QLI	R542398
Cadmium (Cd)	0.00068		0.00005	mg/L		03-JUL-07	QLI	R542398
Cobalt (Co)	0.0023		0.0001	mg/L		03-JUL-07	QLI	R542398
Chromium (Cr)	<0.00006		0.00006	mg/L		03-JUL-07	QLI	R542398
Copper (Cu)	0.0019		0.0006	mg/L		03-JUL-07	QLI	R542398
Mercury (Hg)	<0.00002		0.00002	mg/L		04-JUL-07	DEO	R543813
Potassium (K)	0.41		0.02	mg/L		03-JUL-07	QLI	R542398
Magnesium (Mg)	5.52		0.004	mg/L		03-JUL-07	QLI	R542398
Manganese (Mn)	0.0402	RRVAP	0.0001	mg/L		03-JUL-07	QLI	R542398
Molybdenum (Mo)	0.00053		0.00006	mg/L		03-JUL-07	QLI	R542398
Sodium (Na)	0.412		0.005	mg/L		03-JUL-07	QLI	R542398

ALS LABORATORY GROUP ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	By	Batch
L520779-5 STATION 4								
Sampled By: SM/KL on 17-JUN-07								
Matrix: WATER								
Ultra-Low Metals - Dissolved								
Ultra-Low Metals - Dissolved								
Nickel (Ni)	0.0198		0.00006	mg/L		03-JUL-07	QLI	R542398
Lead (Pb)	<0.00005		0.00005	mg/L		03-JUL-07	QLI	R542398
Antimony (Sb)	0.00008		0.00003	mg/L		03-JUL-07	QLI	R542398
Selenium (Se)	0.0007		0.0001	mg/L		03-JUL-07	QLI	R542398
Strontium (Sr)	0.0515		0.0001	mg/L		03-JUL-07	QLI	R542398
Uranium (U)	0.00011		0.00005	mg/L		03-JUL-07	QLI	R542398
Vanadium (V)	0.00007		0.00005	mg/L		03-JUL-07	QLI	R542398
Zinc (Zn)	0.0482		0.0008	mg/L		03-JUL-07	QLI	R542398
Ammonia-N	<0.005		0.005	mg/L		24-JUN-07	SHC	R539767
Bismuth (Bi)	<0.00003		0.00003	mg/L		03-JUL-07	QLI	R542398
Iron (Fe)-Extractable	0.10		0.05	mg/L		30-JUN-07	WYA	R542778
Lithium (Li)	0.0028		0.0001	mg/L		03-JUL-07	QLI	R542398
Lithium (Li)-Total	<0.006		0.006	mg/L		05-JUL-07	MX	R544326
Manganese (Mn)-Extractable	0.02		0.01	mg/L		30-JUN-07	WYA	R542778
Mercury (Hg)-Total	<0.0002		0.0002	mg/L		05-JUL-07	MX	R544326
Phosphorus, Total	0.015		0.001	mg/L		26-JUN-07	MCH	R541610
Silicon (Si)-Dissolved	1.5		0.1	mg/L		03-JUL-07	HAS	R543281
Silicon (Si)-Total	2.2		0.1	mg/L		04-JUL-07	HAS	R543010
Tin (Sn)-Dissolved	<0.0001		0.0001	mg/L		03-JUL-07	QLI	R542398
Tin (Sn)-Total	<0.0004		0.0004	mg/L		05-JUL-07	MX	R544326
Total Organic Carbon	<1		1	mg/L		25-JUN-07	TL	R539841
Total Suspended Solids	10		3	mg/L		25-JUN-07	SVG	R539896
Turbidity	6.4		0.1	NTU		22-JUN-07	LD	R539045
Routine Water: Major Ions,F,Fe,Mn - Low								
Chloride (Cl)	<1		1	mg/L		25-JUN-07	RGM/	R540075
Fluoride (F)	0.09		0.05	mg/L		22-JUN-07	CLT	R539332
ICP metals for routine water								
Calcium (Ca)	14.7		0.5	mg/L		25-JUN-07	EOC	R540101
Potassium (K)	0.4		0.1	mg/L		25-JUN-07	EOC	R540101
Magnesium (Mg)	5.2		0.1	mg/L		25-JUN-07	EOC	R540101
Sodium (Na)	<1		1	mg/L		25-JUN-07	EOC	R540101
Ion Balance Calculation								
Ion Balance	100			%		26-JUN-07		
TDS (Calculated)	70			mg/L		26-JUN-07		
Hardness (as CaCO3)	58			mg/L		26-JUN-07		
Nitrate+Nitrite-N	0.041		0.006	mg/L		22-JUN-07	FYG	R539265
Nitrate-N	0.041		0.006	mg/L		22-JUN-07	FYG	R539265
Nitrite-N	<0.002		0.002	mg/L		22-JUN-07	FYG	R539265
Sulphate (SO4)	40.9		0.05	mg/L		22-JUN-07	JTV	R537487
pH, Conductivity and Total Alkalinity								
pH	7.2		0.1	pH		22-JUN-07	CLT	R539332
Conductivity (EC)	135		0.2	uS/cm		22-JUN-07	CLT	R539332
Bicarbonate (HCO3)	19		5	mg/L		22-JUN-07	CLT	R539332
Carbonate (CO3)	<5		5	mg/L		22-JUN-07	CLT	R539332
Hydroxide (OH)	<5		5	mg/L		22-JUN-07	CLT	R539332
Alkalinity, Total (as CaCO3)	15		5	mg/L		22-JUN-07	CLT	R539332

ALS LABORATORY GROUP ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	By	Batch
L520779-6 STATION 5								
Sampled By: SM/KL on 18-JUN-07								
Matrix: WATER								
Total Metals								
Total Major Metals								
Calcium (Ca)	17.0		0.5	mg/L		04-JUL-07	HAS	R543010
Potassium (K)	0.4		0.1	mg/L		04-JUL-07	HAS	R543010
Magnesium (Mg)	2.3		0.1	mg/L		04-JUL-07	HAS	R543010
Sodium (Na)	<1		1	mg/L		04-JUL-07	HAS	R543010
Iron (Fe)	0.167		0.005	mg/L		04-JUL-07	HAS	R543010
Manganese (Mn)	0.016		0.001	mg/L		04-JUL-07	HAS	R543010
Total Trace Metals (Low Level)								
Silver (Ag)	<0.0004		0.0004	mg/L		05-JUL-07	MX	R544326
Aluminum (Al)	0.11		0.02	mg/L		05-JUL-07	MX	R544326
Arsenic (As)	0.0017		0.0004	mg/L		05-JUL-07	MX	R544326
Boron (B)	<0.02		0.02	mg/L		05-JUL-07	MX	R544326
Barium (Ba)	0.0343		0.0002	mg/L		05-JUL-07	MX	R544326
Beryllium (Be)	<0.001		0.001	mg/L		05-JUL-07	MX	R544326
Bismuth (Bi)	<0.0001		0.0001	mg/L		05-JUL-07	MX	R544326
Cadmium (Cd)	0.0004		0.0002	mg/L		05-JUL-07	MX	R544326
Cobalt (Co)	0.0006		0.0002	mg/L		05-JUL-07	MX	R544326
Chromium (Cr)	<0.0008		0.0008	mg/L		05-JUL-07	MX	R544326
Copper (Cu)	0.002		0.001	mg/L		05-JUL-07	MX	R544326
Molybdenum (Mo)	0.0014		0.0001	mg/L		05-JUL-07	MX	R544326
Nickel (Ni)	0.0094		0.0002	mg/L		05-JUL-07	MX	R544326
Lead (Pb)	<0.0001		0.0001	mg/L		05-JUL-07	MX	R544326
Antimony (Sb)	<0.0004		0.0004	mg/L		05-JUL-07	MX	R544326
Selenium (Se)	0.0009		0.0004	mg/L		05-JUL-07	MX	R544326
Tin (Sn)	<0.0004		0.0004	mg/L		05-JUL-07	MX	R544326
Strontium (Sr)	0.0566		0.0002	mg/L		05-JUL-07	MX	R544326
Titanium (Ti)	<0.005		0.005	mg/L		05-JUL-07	MX	R544326
Thallium (Tl)	<0.0001		0.0001	mg/L		05-JUL-07	MX	R544326
Uranium (U)	0.0007		0.0001	mg/L		05-JUL-07	MX	R544326
Vanadium (V)	0.0013		0.0002	mg/L		05-JUL-07	MX	R544326
Zinc (Zn)	0.027		0.004	mg/L		05-JUL-07	MX	R544326
Ultra-Low Metals - Dissolved								
Iron (Fe)	0.028		0.005	mg/L		03-JUL-07	HAS	R543281
Ultra-Low Metals - Dissolved								
Silver (Ag)	<0.0001		0.0001	mg/L		03-JUL-07	QLI	R542398
Aluminum (Al)	0.0128		0.0003	mg/L		03-JUL-07	QLI	R542398
Arsenic (As)	0.00064		0.00003	mg/L		03-JUL-07	QLI	R542398
Boron (B)	<0.001		0.001	mg/L		03-JUL-07	QLI	R542398
Barium (Ba)	0.0281		0.00005	mg/L		03-JUL-07	QLI	R542398
Beryllium (Be)	<0.0002		0.0002	mg/L		03-JUL-07	QLI	R542398
Calcium (Ca)	15.1		0.02	mg/L		03-JUL-07	QLI	R542398
Cadmium (Cd)	0.00032		0.00005	mg/L		03-JUL-07	QLI	R542398
Cobalt (Co)	0.0004		0.0001	mg/L		03-JUL-07	QLI	R542398
Chromium (Cr)	<0.00006		0.00006	mg/L		03-JUL-07	QLI	R542398
Copper (Cu)	0.0010		0.0006	mg/L		03-JUL-07	QLI	R542398
Mercury (Hg)	<0.00002		0.00002	mg/L		04-JUL-07	DEO	R543813
Potassium (K)	0.56		0.02	mg/L		03-JUL-07	QLI	R542398
Magnesium (Mg)	2.33		0.004	mg/L		03-JUL-07	QLI	R542398
Manganese (Mn)	0.0130		0.0001	mg/L		03-JUL-07	QLI	R542398
Molybdenum (Mo)	0.00114		0.00006	mg/L		03-JUL-07	QLI	R542398
Sodium (Na)	0.255		0.005	mg/L		03-JUL-07	QLI	R542398

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Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	By	Batch
L520779-6 STATION 5								
Sampled By: SM/KL on 18-JUN-07								
Matrix: WATER								
Ultra-Low Metals - Dissolved								
Ultra-Low Metals - Dissolved								
Nickel (Ni)	0.00817		0.00006	mg/L		03-JUL-07	QLI	R542398
Lead (Pb)	<0.00005		0.00005	mg/L		03-JUL-07	QLI	R542398
Antimony (Sb)	0.00013		0.00003	mg/L		03-JUL-07	QLI	R542398
Selenium (Se)	0.0007		0.0001	mg/L		03-JUL-07	QLI	R542398
Strontium (Sr)	0.0538		0.0001	mg/L		03-JUL-07	QLI	R542398
Uranium (U)	0.00064		0.00005	mg/L		03-JUL-07	QLI	R542398
Vanadium (V)	0.00007		0.00005	mg/L		03-JUL-07	QLI	R542398
Zinc (Zn)	0.0218		0.0008	mg/L		03-JUL-07	QLI	R542398
Ammonia-N	<0.005		0.005	mg/L		24-JUN-07	SHC	R539767
Bismuth (Bi)	<0.00003		0.00003	mg/L		03-JUL-07	QLI	R542398
Iron (Fe)-Extractable	<0.05		0.05	mg/L		30-JUN-07	WYA	R542778
Lithium (Li)	0.0012		0.0001	mg/L		03-JUL-07	QLI	R542398
Lithium (Li)-Total	<0.006		0.006	mg/L		05-JUL-07	MX	R544326
Manganese (Mn)-Extractable	<0.01		0.01	mg/L		30-JUN-07	WYA	R542778
Mercury (Hg)-Total	<0.0002		0.0002	mg/L		05-JUL-07	MX	R544326
Phosphorus, Total	0.008		0.001	mg/L		26-JUN-07	MCH	R541610
Silicon (Si)-Dissolved	1.6		0.1	mg/L		03-JUL-07	HAS	R543281
Silicon (Si)-Total	1.7		0.1	mg/L		04-JUL-07	HAS	R543010
Tin (Sn)-Dissolved	<0.0001		0.0001	mg/L		03-JUL-07	QLI	R542398
Tin (Sn)-Total	<0.0004		0.0004	mg/L		05-JUL-07	MX	R544326
Total Organic Carbon	<1		1	mg/L		25-JUN-07	TL	R539841
Total Suspended Solids	<3		3	mg/L		25-JUN-07	SVG	R539896
Turbidity	0.95		0.1	NTU		22-JUN-07	LD	R539045
Routine Water: Major Ions,F,Fe,Mn - Low								
Chloride (Cl)	<1		1	mg/L		25-JUN-07	RGM/	R540075
Fluoride (F)	0.08		0.05	mg/L		22-JUN-07	CLT	R539332
ICP metals for routine water								
Calcium (Ca)	16.3		0.5	mg/L		25-JUN-07	EOC	R540101
Potassium (K)	0.4		0.1	mg/L		25-JUN-07	EOC	R540101
Magnesium (Mg)	2.1		0.1	mg/L		25-JUN-07	EOC	R540101
Sodium (Na)	<1		1	mg/L		25-JUN-07	EOC	R540101
Ion Balance Calculation								
Ion Balance	96.6			%		26-JUN-07		
TDS (Calculated)	59			mg/L		26-JUN-07		
Hardness (as CaCO3)	49			mg/L		26-JUN-07		
Nitrate+Nitrite-N	0.037		0.006	mg/L		22-JUN-07	FYG	R539265
Nitrate-N	0.037		0.006	mg/L		22-JUN-07	FYG	R539265
Nitrite-N	<0.002		0.002	mg/L		22-JUN-07	FYG	R539265
Sulphate (SO4)	24.8		0.05	mg/L		22-JUN-07	JTV	R537487
pH, Conductivity and Total Alkalinity								
pH	7.3		0.1	pH		22-JUN-07	CLT	R539332
Conductivity (EC)	113		0.2	uS/cm		22-JUN-07	CLT	R539332
Bicarbonate (HCO3)	31		5	mg/L		22-JUN-07	CLT	R539332
Carbonate (CO3)	<5		5	mg/L		22-JUN-07	CLT	R539332
Hydroxide (OH)	<5		5	mg/L		22-JUN-07	CLT	R539332
Alkalinity, Total (as CaCO3)	26		5	mg/L		22-JUN-07	CLT	R539332

ALS LABORATORY GROUP ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	By	Batch
L520779-7 STATION 8								
Sampled By: SM/KL on 18-JUN-07								
Matrix: WATER								
Ultra-Low Metals - Dissolved								
Iron (Fe)	<0.005		0.005	mg/L		03-JUL-07	HAS	R543281
Ultra-Low Metals - Dissolved								
Silver (Ag)	<0.0001		0.0001	mg/L		03-JUL-07	QLI	R542398
Aluminum (Al)	0.0239		0.0003	mg/L		03-JUL-07	QLI	R542398
Arsenic (As)	0.00132		0.00003	mg/L		03-JUL-07	QLI	R542398
Boron (B)	<0.001		0.001	mg/L		03-JUL-07	QLI	R542398
Barium (Ba)	0.00719		0.00005	mg/L		03-JUL-07	QLI	R542398
Beryllium (Be)	<0.0002		0.0002	mg/L		03-JUL-07	QLI	R542398
Calcium (Ca)	4.40		0.02	mg/L		03-JUL-07	QLI	R542398
Cadmium (Cd)	0.00006		0.00005	mg/L		03-JUL-07	QLI	R542398
Cobalt (Co)	0.0015		0.0001	mg/L		03-JUL-07	QLI	R542398
Chromium (Cr)	<0.00006		0.00006	mg/L		03-JUL-07	QLI	R542398
Copper (Cu)	0.0011		0.0006	mg/L		03-JUL-07	QLI	R542398
Mercury (Hg)	<0.00002		0.00002	mg/L		04-JUL-07	DEO	R543813
Potassium (K)	0.14		0.02	mg/L		03-JUL-07	QLI	R542398
Magnesium (Mg)	0.385		0.004	mg/L		03-JUL-07	QLI	R542398
Manganese (Mn)	0.0457	RRVAP	0.0001	mg/L		03-JUL-07	QLI	R542398
Molybdenum (Mo)	0.00077		0.00006	mg/L		03-JUL-07	QLI	R542398
Sodium (Na)	0.150		0.005	mg/L		03-JUL-07	QLI	R542398
Nickel (Ni)	0.00417		0.00006	mg/L		03-JUL-07	QLI	R542398
Lead (Pb)	<0.00005		0.00005	mg/L		03-JUL-07	QLI	R542398
Antimony (Sb)	0.00025		0.00003	mg/L		03-JUL-07	QLI	R542398
Selenium (Se)	0.0001		0.0001	mg/L		03-JUL-07	QLI	R542398
Strontium (Sr)	0.0103		0.0001	mg/L		03-JUL-07	QLI	R542398
Uranium (U)	0.00017		0.00005	mg/L		03-JUL-07	QLI	R542398
Vanadium (V)	<0.00005		0.00005	mg/L		03-JUL-07	QLI	R542398
Zinc (Zn)	0.0061		0.0008	mg/L		03-JUL-07	QLI	R542398
Ultra-Low Metals								
Iron (Fe)	0.015		0.005	mg/L		03-JUL-07	HAS	R543281
Ultra-Low Metals								
Silver (Ag)	<0.0001		0.0001	mg/L		03-JUL-07	QLI	R542398
Aluminum (Al)	0.0854		0.0003	mg/L		03-JUL-07	QLI	R542398
Arsenic (As)	0.00286		0.00003	mg/L		03-JUL-07	QLI	R542398
Boron (B)	<0.001		0.001	mg/L		03-JUL-07	QLI	R542398
Barium (Ba)	0.00780		0.00005	mg/L		03-JUL-07	QLI	R542398
Beryllium (Be)	<0.0002		0.0002	mg/L		03-JUL-07	QLI	R542398
Calcium (Ca)	4.74		0.02	mg/L		03-JUL-07	QLI	R542398
Cadmium (Cd)	0.00005		0.00005	mg/L		03-JUL-07	QLI	R542398
Cobalt (Co)	0.0014		0.0001	mg/L		03-JUL-07	QLI	R542398
Chromium (Cr)	<0.00006		0.00006	mg/L		03-JUL-07	QLI	R542398
Copper (Cu)	0.0016		0.0006	mg/L		03-JUL-07	QLI	R542398
Mercury (Hg)	<0.00002		0.00002	mg/L		04-JUL-07	DEO	R543813
Potassium (K)	0.15		0.02	mg/L		03-JUL-07	QLI	R542398
Magnesium (Mg)	0.407		0.004	mg/L		03-JUL-07	QLI	R542398
Manganese (Mn)	0.0451		0.0001	mg/L		03-JUL-07	QLI	R542398
Molybdenum (Mo)	0.00079		0.00006	mg/L		03-JUL-07	QLI	R542398
Sodium (Na)	0.153		0.005	mg/L		03-JUL-07	QLI	R542398
Nickel (Ni)	0.00404		0.00006	mg/L		03-JUL-07	QLI	R542398
Lead (Pb)	0.00013		0.00005	mg/L		03-JUL-07	QLI	R542398
Antimony (Sb)	0.00025		0.00003	mg/L		03-JUL-07	QLI	R542398
Selenium (Se)	0.0002		0.0001	mg/L		03-JUL-07	QLI	R542398

ALS LABORATORY GROUP ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	By	Batch
L520779-7 STATION 8								
Sampled By: SM/KL on 18-JUN-07								
Matrix: WATER								
Ultra-Low Metals								
Ultra-Low Metals								
Strontium (Sr)	0.0109		0.0001	mg/L		03-JUL-07	QLI	R542398
Uranium (U)	0.00033		0.00005	mg/L		03-JUL-07	QLI	R542398
Vanadium (V)	<0.00005		0.00005	mg/L		03-JUL-07	QLI	R542398
Zinc (Zn)	0.0053		0.0008	mg/L		03-JUL-07	QLI	R542398
Ammonia-N	<0.005		0.005	mg/L		24-JUN-07	SHC	R539767
Bismuth (Bi)	<0.00003		0.00003	mg/L		03-JUL-07	QLI	R542398
Bismuth (Bi)	<0.00003		0.00003	mg/L		03-JUL-07	QLI	R542398
Iron (Fe)-Extractable	<0.05		0.05	mg/L		30-JUN-07	WYA	R542778
Lithium (Li)	0.0010		0.0001	mg/L		03-JUL-07	QLI	R542398
Lithium (Li)	0.0011		0.0001	mg/L		03-JUL-07	QLI	R542398
Manganese (Mn)-Extractable	0.02		0.01	mg/L		30-JUN-07	WYA	R542778
Phosphorus, Total	0.004		0.001	mg/L		26-JUN-07	MCH	R541610
Silicon (Si)-Dissolved								
Silicon (Si)-Dissolved	0.9		0.1	mg/L		03-JUL-07	HAS	R543281
Silicon (Si)-Dissolved	0.9		0.1	mg/L		03-JUL-07	HAS	R543281
Silicon (Si)-Total								
Silicon (Si)-Total	0.9		0.1	mg/L		03-JUL-07	HAS	R543281
Silicon (Si)-Total	0.9		0.1	mg/L		03-JUL-07	HAS	R543281
Tin (Sn)-Total	<0.0001		0.0001	mg/L		03-JUL-07	QLI	R542398
Tin (Sn)-Dissolved	<0.0001		0.0001	mg/L		03-JUL-07	QLI	R542398
Total Organic Carbon	<1		1	mg/L		25-JUN-07	TL	R539841
Total Suspended Solids	<3		3	mg/L		25-JUN-07	SVG	R539896
Turbidity	0.35		0.1	NTU		22-JUN-07	LD	R539045
Routine Water: Major Ions,F,Fe,Mn - Low								
Chloride (Cl)	<1		1	mg/L		25-JUN-07	RGM/	R540075
Fluoride (F)	0.05		0.05	mg/L		22-JUN-07	CLT	R539332
ICP metals for routine water								
Calcium (Ca)	4.9		0.5	mg/L		25-JUN-07	EOC	R540101
Potassium (K)	0.1		0.1	mg/L		25-JUN-07	EOC	R540101
Magnesium (Mg)	0.3		0.1	mg/L		25-JUN-07	EOC	R540101
Sodium (Na)	<1		1	mg/L		25-JUN-07	EOC	R540101
Ion Balance Calculation								
Ion Balance	Low EC			%		26-JUN-07		
TDS (Calculated)	15			mg/L		26-JUN-07		
Hardness (as CaCO3)	13			mg/L		26-JUN-07		
Nitrate+Nitrite-N	0.020		0.006	mg/L		22-JUN-07	FYG	R539265
Nitrate-N	0.020		0.006	mg/L		22-JUN-07	FYG	R539265
Nitrite-N	<0.002		0.002	mg/L		22-JUN-07	FYG	R539265
Sulphate (SO4)	9.56		0.05	mg/L		22-JUN-07	JTV	R537487
pH, Conductivity and Total Alkalinity								
pH	6.7		0.1	pH		22-JUN-07	CLT	R539332
Conductivity (EC)	35.6		0.2	uS/cm		22-JUN-07	CLT	R539332
Bicarbonate (HCO3)	5		5	mg/L		22-JUN-07	CLT	R539332
Carbonate (CO3)	<5		5	mg/L		22-JUN-07	CLT	R539332
Hydroxide (OH)	<5		5	mg/L		22-JUN-07	CLT	R539332
Alkalinity, Total (as CaCO3)	<5		5	mg/L		22-JUN-07	CLT	R539332

ALS LABORATORY GROUP ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	By	Batch
L520779-8 STATION 8 DUPLICATE								
Sampled By: SM/KL on 18-JUN-07								
Matrix: WATER								
Ultra-Low Metals - Dissolved								
Iron (Fe)	<0.005		0.005	mg/L		03-JUL-07	HAS	R543281
Ultra-Low Metals - Dissolved								
Silver (Ag)	<0.0001		0.0001	mg/L		03-JUL-07	QLI	R542398
Aluminum (Al)	0.0247		0.0003	mg/L		03-JUL-07	QLI	R542398
Arsenic (As)	0.00146		0.00003	mg/L		03-JUL-07	QLI	R542398
Boron (B)	<0.001		0.001	mg/L		03-JUL-07	QLI	R542398
Barium (Ba)	0.00757		0.00005	mg/L		03-JUL-07	QLI	R542398
Beryllium (Be)	<0.0002		0.0002	mg/L		03-JUL-07	QLI	R542398
Calcium (Ca)	4.77		0.02	mg/L		03-JUL-07	QLI	R542398
Cadmium (Cd)	0.00006		0.00005	mg/L		03-JUL-07	QLI	R542398
Cobalt (Co)	0.0014		0.0001	mg/L		03-JUL-07	QLI	R542398
Chromium (Cr)	<0.00006		0.00006	mg/L		03-JUL-07	QLI	R542398
Copper (Cu)	0.0011		0.0006	mg/L		03-JUL-07	QLI	R542398
Mercury (Hg)	<0.00002		0.00002	mg/L		04-JUL-07	DEO	R543813
Potassium (K)	0.16		0.02	mg/L		03-JUL-07	QLI	R542398
Magnesium (Mg)	0.396		0.004	mg/L		03-JUL-07	QLI	R542398
Manganese (Mn)	0.0442	RRVAP	0.0001	mg/L		03-JUL-07	QLI	R542398
Molybdenum (Mo)	0.00075		0.00006	mg/L		03-JUL-07	QLI	R542398
Sodium (Na)	0.157		0.005	mg/L		03-JUL-07	QLI	R542398
Nickel (Ni)	0.00408		0.00006	mg/L		03-JUL-07	QLI	R542398
Lead (Pb)	<0.00005		0.00005	mg/L		03-JUL-07	QLI	R542398
Antimony (Sb)	0.00023		0.00003	mg/L		03-JUL-07	QLI	R542398
Selenium (Se)	0.0001		0.0001	mg/L		03-JUL-07	QLI	R542398
Strontium (Sr)	0.0110		0.0001	mg/L		03-JUL-07	QLI	R542398
Uranium (U)	0.00019		0.00005	mg/L		03-JUL-07	QLI	R542398
Vanadium (V)	<0.00005		0.00005	mg/L		03-JUL-07	QLI	R542398
Zinc (Zn)	0.0065		0.0008	mg/L		03-JUL-07	QLI	R542398
Ultra-Low Metals								
Iron (Fe)	0.013		0.005	mg/L		03-JUL-07	HAS	R543281
Ultra-Low Metals								
Silver (Ag)	<0.0001		0.0001	mg/L		03-JUL-07	QLI	R542398
Aluminum (Al)	0.0870		0.0003	mg/L		03-JUL-07	QLI	R542398
Arsenic (As)	0.00279		0.00003	mg/L		03-JUL-07	QLI	R542398
Boron (B)	<0.001		0.001	mg/L		03-JUL-07	QLI	R542398
Barium (Ba)	0.00738		0.00005	mg/L		03-JUL-07	QLI	R542398
Beryllium (Be)	<0.0002		0.0002	mg/L		03-JUL-07	QLI	R542398
Calcium (Ca)	4.47		0.02	mg/L		03-JUL-07	QLI	R542398
Cadmium (Cd)	<0.00005		0.00005	mg/L		03-JUL-07	QLI	R542398
Cobalt (Co)	0.0016		0.0001	mg/L		03-JUL-07	QLI	R542398
Chromium (Cr)	<0.00006		0.00006	mg/L		03-JUL-07	QLI	R542398
Copper (Cu)	0.0017		0.0006	mg/L		03-JUL-07	QLI	R542398
Mercury (Hg)	<0.00002		0.00002	mg/L		04-JUL-07	DEO	R543813
Potassium (K)	0.14	RRVAP	0.02	mg/L		03-JUL-07	QLI	R542398
Magnesium (Mg)	0.387		0.004	mg/L		03-JUL-07	QLI	R542398
Manganese (Mn)	0.0464		0.0001	mg/L		03-JUL-07	QLI	R542398
Molybdenum (Mo)	0.00077		0.00006	mg/L		03-JUL-07	QLI	R542398
Sodium (Na)	0.144		0.005	mg/L		03-JUL-07	QLI	R542398
Nickel (Ni)	0.00419		0.00006	mg/L		03-JUL-07	QLI	R542398
Lead (Pb)	0.00012		0.00005	mg/L		03-JUL-07	QLI	R542398
Antimony (Sb)	0.00024		0.00003	mg/L		03-JUL-07	QLI	R542398
Selenium (Se)	<0.0001		0.0001	mg/L		03-JUL-07	QLI	R542398

ALS LABORATORY GROUP ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	By	Batch
L520779-8 STATION 8 DUPLICATE								
Sampled By: SM/KL on 18-JUN-07								
Matrix: WATER								
Ultra-Low Metals								
Ultra-Low Metals								
Strontium (Sr)	0.0103		0.0001	mg/L		03-JUL-07	QLI	R542398
Uranium (U)	0.00035		0.00005	mg/L		03-JUL-07	QLI	R542398
Vanadium (V)	<0.00005		0.00005	mg/L		03-JUL-07	QLI	R542398
Zinc (Zn)	0.0052		0.0008	mg/L		03-JUL-07	QLI	R542398
Ammonia-N	<0.005		0.005	mg/L		24-JUN-07	SHC	R539767
Bismuth (Bi)	<0.00003		0.00003	mg/L		03-JUL-07	QLI	R542398
Bismuth (Bi)	<0.00003		0.00003	mg/L		03-JUL-07	QLI	R542398
Iron (Fe)-Extractable	<0.05		0.05	mg/L		30-JUN-07	WYA	R542778
Lithium (Li)	0.0011		0.0001	mg/L		03-JUL-07	QLI	R542398
Lithium (Li)	0.0011		0.0001	mg/L		03-JUL-07	QLI	R542398
Manganese (Mn)-Extractable	0.02		0.01	mg/L		30-JUN-07	WYA	R542778
Phosphorus, Total	0.004		0.001	mg/L		26-JUN-07	MCH	R541610
Silicon (Si)-Dissolved	0.9		0.1	mg/L		03-JUL-07	HAS	R543281
Silicon (Si)-Total								
Silicon (Si)-Total	0.9		0.1	mg/L		03-JUL-07	HAS	R543281
Silicon (Si)-Total	0.9		0.1	mg/L		03-JUL-07	HAS	R543281
Tin (Sn)-Total	<0.0001		0.0001	mg/L		03-JUL-07	QLI	R542398
Tin (Sn)-Dissolved	<0.0001		0.0001	mg/L		03-JUL-07	QLI	R542398
Total Organic Carbon	<1		1	mg/L		25-JUN-07	TL	R539841
Total Suspended Solids	<3		3	mg/L		25-JUN-07	SVG	R539896
Turbidity	0.40		0.1	NTU		22-JUN-07	LD	R539045
Routine Water: Major Ions,F,Fe,Mn - Low								
Chloride (Cl)	<1		1	mg/L		25-JUN-07	RGM/	R540075
Fluoride (F)	0.05		0.05	mg/L		22-JUN-07	CLT	R539332
ICP metals for routine water								
Calcium (Ca)	4.8		0.5	mg/L		25-JUN-07	EOC	R540101
Potassium (K)	0.2		0.1	mg/L		25-JUN-07	EOC	R540101
Magnesium (Mg)	0.3		0.1	mg/L		25-JUN-07	EOC	R540101
Sodium (Na)	<1		1	mg/L		25-JUN-07	EOC	R540101
Ion Balance Calculation								
Ion Balance	Low EC			%		26-JUN-07		
TDS (Calculated)	15			mg/L		26-JUN-07		
Hardness (as CaCO3)	13			mg/L		26-JUN-07		
Nitrate+Nitrite-N	0.019		0.006	mg/L		22-JUN-07	FYG	R539265
Nitrate-N	0.019		0.006	mg/L		22-JUN-07	FYG	R539265
Nitrite-N	<0.002		0.002	mg/L		22-JUN-07	FYG	R539265
Sulphate (SO4)	9.49		0.05	mg/L		22-JUN-07	JTV	R537487
pH, Conductivity and Total Alkalinity								
pH	6.7		0.1	pH		22-JUN-07	CLT	R539332
Conductivity (EC)	35.2		0.2	uS/cm		22-JUN-07	CLT	R539332
Bicarbonate (HCO3)	5		5	mg/L		22-JUN-07	CLT	R539332
Carbonate (CO3)	<5		5	mg/L		22-JUN-07	CLT	R539332
Hydroxide (OH)	<5		5	mg/L		22-JUN-07	CLT	R539332
Alkalinity, Total (as CaCO3)	<5		5	mg/L		22-JUN-07	CLT	R539332
L520779-9 STATION 7								
Sampled By: SM/KL on 19-JUN-07								
Matrix: WATER								
Total Metals								

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Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	By	Batch
L520779-9 STATION 7								
Sampled By: SM/KL on 19-JUN-07								
Matrix: WATER								
Total Metals								
Total Major Metals								
Calcium (Ca)	15.8		0.5	mg/L		04-JUL-07	HAS	R543010
Potassium (K)	0.5		0.1	mg/L		04-JUL-07	HAS	R543010
Magnesium (Mg)	3.8		0.1	mg/L		04-JUL-07	HAS	R543010
Sodium (Na)	<1		1	mg/L		04-JUL-07	HAS	R543010
Iron (Fe)	1.97		0.005	mg/L		04-JUL-07	HAS	R543010
Manganese (Mn)	0.112		0.001	mg/L		04-JUL-07	HAS	R543010
Total Trace Metals (Low Level)								
Silver (Ag)	<0.0004		0.0004	mg/L		05-JUL-07	MX	R544326
Aluminum (Al)	2.18		0.02	mg/L		05-JUL-07	MX	R544326
Arsenic (As)	0.0025		0.0004	mg/L		05-JUL-07	MX	R544326
Boron (B)	<0.02		0.02	mg/L		05-JUL-07	MX	R544326
Barium (Ba)	0.0631		0.0002	mg/L		05-JUL-07	MX	R544326
Beryllium (Be)	<0.001		0.001	mg/L		05-JUL-07	MX	R544326
Bismuth (Bi)	<0.0001		0.0001	mg/L		05-JUL-07	MX	R544326
Cadmium (Cd)	0.0034		0.0002	mg/L		05-JUL-07	MX	R544326
Cobalt (Co)	0.0084		0.0002	mg/L		05-JUL-07	MX	R544326
Chromium (Cr)	0.0009		0.0008	mg/L		05-JUL-07	MX	R544326
Copper (Cu)	0.037		0.001	mg/L		05-JUL-07	MX	R544326
Molybdenum (Mo)	0.0007		0.0001	mg/L		05-JUL-07	MX	R544326
Nickel (Ni)	0.0678		0.0002	mg/L		05-JUL-07	MX	R544326
Lead (Pb)	0.0004		0.0001	mg/L		05-JUL-07	MX	R544326
Antimony (Sb)	<0.0004		0.0004	mg/L		05-JUL-07	MX	R544326
Selenium (Se)	0.0008		0.0004	mg/L		05-JUL-07	MX	R544326
Tin (Sn)	<0.0004		0.0004	mg/L		05-JUL-07	MX	R544326
Strontium (Sr)	0.0460		0.0002	mg/L		05-JUL-07	MX	R544326
Titanium (Ti)	0.022		0.005	mg/L		05-JUL-07	MX	R544326
Thallium (Tl)	<0.0001		0.0001	mg/L		05-JUL-07	MX	R544326
Uranium (U)	0.0009		0.0001	mg/L		05-JUL-07	MX	R544326
Vanadium (V)	0.0034		0.0002	mg/L		05-JUL-07	MX	R544326
Zinc (Zn)	0.247		0.004	mg/L		05-JUL-07	MX	R544326
Ultra-Low Metals - Dissolved								
Iron (Fe)	0.519		0.005	mg/L		03-JUL-07	HAS	R543281
Ultra-Low Metals - Dissolved								
Silver (Ag)	<0.0001		0.0001	mg/L		03-JUL-07	QLI	R542398
Aluminum (Al)	0.0159		0.0003	mg/L		03-JUL-07	QLI	R542398
Arsenic (As)	0.00016		0.00003	mg/L		03-JUL-07	QLI	R542398
Boron (B)	<0.001		0.001	mg/L		03-JUL-07	QLI	R542398
Barium (Ba)	0.0367		0.00005	mg/L		03-JUL-07	QLI	R542398
Beryllium (Be)	<0.0002		0.0002	mg/L		03-JUL-07	QLI	R542398
Calcium (Ca)	13.6		0.02	mg/L		03-JUL-07	QLI	R542398
Cadmium (Cd)	0.00289		0.00005	mg/L		03-JUL-07	QLI	R542398
Cobalt (Co)	0.0084		0.0001	mg/L		03-JUL-07	QLI	R542398
Chromium (Cr)	<0.00006		0.00006	mg/L		03-JUL-07	QLI	R542398
Copper (Cu)	0.0123		0.0006	mg/L		03-JUL-07	QLI	R542398
Mercury (Hg)	<0.00002		0.00002	mg/L		04-JUL-07	DEO	R543813
Potassium (K)	0.49		0.02	mg/L		03-JUL-07	QLI	R542398
Magnesium (Mg)	3.40		0.004	mg/L		03-JUL-07	QLI	R542398
Manganese (Mn)	0.0980	RRVAP	0.0001	mg/L		03-JUL-07	QLI	R542398
Molybdenum (Mo)	0.00045		0.00006	mg/L		03-JUL-07	QLI	R542398
Sodium (Na)	0.267		0.005	mg/L		03-JUL-07	QLI	R542398

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Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	By	Batch
L520779-9 STATION 7								
Sampled By: SM/KL on 19-JUN-07								
Matrix: WATER								
Ultra-Low Metals - Dissolved								
Ultra-Low Metals - Dissolved								
Nickel (Ni)	0.0679		0.00006	mg/L		03-JUL-07	QLI	R542398
Lead (Pb)	<0.00005		0.00005	mg/L		03-JUL-07	QLI	R542398
Antimony (Sb)	0.00010		0.00003	mg/L		03-JUL-07	QLI	R542398
Selenium (Se)	0.0007		0.0001	mg/L		03-JUL-07	QLI	R542398
Strontium (Sr)	0.0431		0.0001	mg/L		03-JUL-07	QLI	R542398
Uranium (U)	<0.00005		0.00005	mg/L		03-JUL-07	QLI	R542398
Vanadium (V)	<0.00005		0.00005	mg/L		03-JUL-07	QLI	R542398
Zinc (Zn)	0.224		0.0008	mg/L		03-JUL-07	QLI	R542398
Ammonia-N	<0.005		0.005	mg/L		24-JUN-07	SHC	R539767
Bismuth (Bi)	<0.00003		0.00003	mg/L		03-JUL-07	QLI	R542398
Iron (Fe)-Extractable	1.05		0.05	mg/L		30-JUN-07	WYA	R542778
Lithium (Li)	0.0043		0.0001	mg/L		03-JUL-07	QLI	R542398
Lithium (Li)-Total	<0.006		0.006	mg/L		05-JUL-07	MX	R544326
Manganese (Mn)-Extractable	0.07		0.01	mg/L		30-JUN-07	WYA	R542778
Mercury (Hg)-Total	<0.0002		0.0002	mg/L		05-JUL-07	MX	R544326
Phosphorus, Total	0.049		0.001	mg/L		26-JUN-07	MCH	R541610
Silicon (Si)-Dissolved	1.9		0.1	mg/L		03-JUL-07	HAS	R543281
Silicon (Si)-Total	3.1		0.1	mg/L		04-JUL-07	HAS	R543010
Tin (Sn)-Dissolved	<0.0001		0.0001	mg/L		03-JUL-07	QLI	R542398
Tin (Sn)-Total	<0.0004		0.0004	mg/L		05-JUL-07	MX	R544326
Total Organic Carbon	<1		1	mg/L		25-JUN-07	TL	R539841
Total Suspended Solids	28		3	mg/L		25-JUN-07	SVG	R539896
Turbidity	15		0.1	NTU		22-JUN-07	LD	R539045
Routine Water: Major Ions,F,Fe,Mn - Low								
Chloride (Cl)	<1		1	mg/L		25-JUN-07	RGM/	R540075
Fluoride (F)	0.14		0.05	mg/L		22-JUN-07	CLT	R539332
ICP metals for routine water								
Calcium (Ca)	15.2		0.5	mg/L		25-JUN-07	EOC	R540101
Potassium (K)	0.4		0.1	mg/L		25-JUN-07	EOC	R540101
Magnesium (Mg)	3.2		0.1	mg/L		25-JUN-07	EOC	R540101
Sodium (Na)	<1		1	mg/L		25-JUN-07	EOC	R540101
Ion Balance Calculation								
Ion Balance	98.7			%		26-JUN-07		
TDS (Calculated)	67			mg/L		26-JUN-07		
Hardness (as CaCO3)	51			mg/L		26-JUN-07		
Nitrate+Nitrite-N	0.040		0.006	mg/L		22-JUN-07	FYG	R539265
Nitrate-N	0.040		0.006	mg/L		22-JUN-07	FYG	R539265
Nitrite-N	<0.002		0.002	mg/L		22-JUN-07	FYG	R539265
Sulphate (SO4)	44.2		0.05	mg/L		22-JUN-07	JTV	R537487
pH, Conductivity and Total Alkalinity								
pH	6.6		0.1	pH		22-JUN-07	CLT	R539332
Conductivity (EC)	125		0.2	uS/cm		22-JUN-07	CLT	R539332
Bicarbonate (HCO3)	7		5	mg/L		22-JUN-07	CLT	R539332
Carbonate (CO3)	<5		5	mg/L		22-JUN-07	CLT	R539332
Hydroxide (OH)	<5		5	mg/L		22-JUN-07	CLT	R539332
Alkalinity, Total (as CaCO3)	6		5	mg/L		22-JUN-07	CLT	R539332

ALS LABORATORY GROUP ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	By	Batch
L520779-10 FIELD BLANK								
Sampled By: SM/KL on 19-JUN-07								
Matrix: WATER								
Ultra-Low Metals - Dissolved								
Iron (Fe)	<0.005		0.005	mg/L		03-JUL-07	HAS	R543281
Ultra-Low Metals - Dissolved								
Silver (Ag)	<0.0001		0.0001	mg/L		03-JUL-07	QLI	R542398
Aluminum (Al)	0.0004		0.0003	mg/L		03-JUL-07	QLI	R542398
Arsenic (As)	<0.00003		0.00003	mg/L		03-JUL-07	QLI	R542398
Boron (B)	<0.001		0.001	mg/L		03-JUL-07	QLI	R542398
Barium (Ba)	0.00011	RRVAP	0.00005	mg/L		03-JUL-07	QLI	R542398
Beryllium (Be)	<0.0002		0.0002	mg/L		03-JUL-07	QLI	R542398
Calcium (Ca)	0.08	RRVAP	0.02	mg/L		03-JUL-07	QLI	R542398
Cadmium (Cd)	<0.00005		0.00005	mg/L		03-JUL-07	QLI	R542398
Cobalt (Co)	<0.0001		0.0001	mg/L		03-JUL-07	QLI	R542398
Chromium (Cr)	<0.00006		0.00006	mg/L		03-JUL-07	QLI	R542398
Copper (Cu)	<0.0006		0.0006	mg/L		03-JUL-07	QLI	R542398
Mercury (Hg)	<0.00002		0.00002	mg/L		04-JUL-07	DEO	R543813
Potassium (K)	<0.02		0.02	mg/L		03-JUL-07	QLI	R542398
Magnesium (Mg)	<0.004		0.004	mg/L		03-JUL-07	QLI	R542398
Manganese (Mn)	<0.0001		0.0001	mg/L		03-JUL-07	QLI	R542398
Molybdenum (Mo)	<0.00006		0.00006	mg/L		03-JUL-07	QLI	R542398
Sodium (Na)	0.340	RRVAP	0.005	mg/L		03-JUL-07	QLI	R542398
Nickel (Ni)	<0.00006		0.00006	mg/L		03-JUL-07	QLI	R542398
Lead (Pb)	<0.00005		0.00005	mg/L		03-JUL-07	QLI	R542398
Antimony (Sb)	<0.00003		0.00003	mg/L		03-JUL-07	QLI	R542398
Selenium (Se)	<0.0001		0.0001	mg/L		03-JUL-07	QLI	R542398
Strontium (Sr)	0.0001		0.0001	mg/L		03-JUL-07	QLI	R542398
Uranium (U)	<0.00005		0.00005	mg/L		03-JUL-07	QLI	R542398
Vanadium (V)	<0.00005		0.00005	mg/L		03-JUL-07	QLI	R542398
Zinc (Zn)	0.0015	RRVAP	0.0008	mg/L		03-JUL-07	QLI	R542398
Ultra-Low Metals								
Iron (Fe)	<0.005		0.005	mg/L		03-JUL-07	HAS	R543281
Ultra-Low Metals								
Silver (Ag)	<0.0001		0.0001	mg/L		03-JUL-07	QLI	R542398
Aluminum (Al)	0.0005		0.0003	mg/L		03-JUL-07	QLI	R542398
Arsenic (As)	<0.00003		0.00003	mg/L		03-JUL-07	QLI	R542398
Boron (B)	<0.001		0.001	mg/L		03-JUL-07	QLI	R542398
Barium (Ba)	0.00012	RRVAP	0.00005	mg/L		03-JUL-07	QLI	R542398
Beryllium (Be)	<0.0002		0.0002	mg/L		03-JUL-07	QLI	R542398
Calcium (Ca)	0.07	RRVAP	0.02	mg/L		03-JUL-07	QLI	R542398
Cadmium (Cd)	<0.00005		0.00005	mg/L		03-JUL-07	QLI	R542398
Cobalt (Co)	<0.0001		0.0001	mg/L		03-JUL-07	QLI	R542398
Chromium (Cr)	<0.00006		0.00006	mg/L		03-JUL-07	QLI	R542398
Copper (Cu)	<0.0006		0.0006	mg/L		03-JUL-07	QLI	R542398
Mercury (Hg)	<0.00002		0.00002	mg/L		04-JUL-07	DEO	R543813
Potassium (K)	<0.02		0.02	mg/L		03-JUL-07	QLI	R542398
Magnesium (Mg)	<0.004		0.004	mg/L		03-JUL-07	QLI	R542398
Manganese (Mn)	<0.0001		0.0001	mg/L		03-JUL-07	QLI	R542398
Molybdenum (Mo)	<0.00006		0.00006	mg/L		03-JUL-07	QLI	R542398
Sodium (Na)	0.332	RRVAP	0.005	mg/L		03-JUL-07	QLI	R542398
Nickel (Ni)	<0.00006		0.00006	mg/L		03-JUL-07	QLI	R542398
Lead (Pb)	<0.00005		0.00005	mg/L		03-JUL-07	QLI	R542398
Antimony (Sb)	<0.00003		0.00003	mg/L		03-JUL-07	QLI	R542398
Selenium (Se)	<0.0001		0.0001	mg/L		03-JUL-07	QLI	R542398

ALS LABORATORY GROUP ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	By	Batch
L520779-10 FIELD BLANK								
Sampled By: SM/KL on 19-JUN-07								
Matrix: WATER								
Ultra-Low Metals								
Ultra-Low Metals								
Strontium (Sr)	<0.0001		0.0001	mg/L		03-JUL-07	QLI	R542398
Uranium (U)	<0.00005		0.00005	mg/L		03-JUL-07	QLI	R542398
Vanadium (V)	<0.00005		0.00005	mg/L		03-JUL-07	QLI	R542398
Zinc (Zn)	<0.0008		0.0008	mg/L		03-JUL-07	QLI	R542398
Ammonia-N	<0.005		0.005	mg/L		24-JUN-07	SHC	R539767
Bismuth (Bi)	<0.00003		0.00003	mg/L		03-JUL-07	QLI	R542398
Bismuth (Bi)	<0.00003		0.00003	mg/L		03-JUL-07	QLI	R542398
Iron (Fe)-Extractable	<0.05		0.05	mg/L		30-JUN-07	WYA	R542778
Lithium (Li)	<0.0001		0.0001	mg/L		03-JUL-07	QLI	R542398
Lithium (Li)	<0.0001		0.0001	mg/L		03-JUL-07	QLI	R542398
Manganese (Mn)-Extractable	<0.01		0.01	mg/L		30-JUN-07	WYA	R542778
Phosphorus, Total	<0.001		0.001	mg/L		26-JUN-07	MCH	R541610
Silicon (Si)-Dissolved	0.1		0.1	mg/L		03-JUL-07	HAS	R543281
Silicon (Si)-Total	0.1		0.1	mg/L		03-JUL-07	HAS	R543281
Tin (Sn)	0.0002		0.0001	mg/L		03-JUL-07	HAS	R543281
Tin (Sn)-Dissolved	0.0005	RRVAP	0.0001	mg/L		03-JUL-07	QLI	R542398
Total Organic Carbon	<1		1	mg/L		25-JUN-07	TL	R539841
Total Suspended Solids	<3		3	mg/L		25-JUN-07	SVG	R539896
Turbidity	0.30		0.1	NTU		22-JUN-07	LD	R539045
Routine Water: Major Ions,F,Fe,Mn - Low								
Chloride (Cl)	<1		1	mg/L		25-JUN-07	RGM/	R540075
Fluoride (F)	<0.05		0.05	mg/L		22-JUN-07	CLT	R539332
ICP metals for routine water								
Calcium (Ca)	<0.5		0.5	mg/L		25-JUN-07	EOC	R540101
Potassium (K)	0.1		0.1	mg/L		25-JUN-07	EOC	R540101
Magnesium (Mg)	<0.1		0.1	mg/L		25-JUN-07	EOC	R540101
Sodium (Na)	<1		1	mg/L		25-JUN-07	EOC	R540101
Ion Balance Calculation								
Ion Balance	Low TDS			%		26-JUN-07		
TDS (Calculated)	<1			mg/L		26-JUN-07		
Hardness (as CaCO3)	<1			mg/L		26-JUN-07		
Nitrate+Nitrite-N	<0.006		0.006	mg/L		22-JUN-07	FYG	R539265
Nitrate-N	<0.006		0.006	mg/L		22-JUN-07	FYG	R539265
Nitrite-N	<0.002		0.002	mg/L		22-JUN-07	FYG	R539265
Sulphate (SO4)	<0.05		0.05	mg/L		22-JUN-07	JTV	R537487
pH, Conductivity and Total Alkalinity								
pH	6.4		0.1	pH		22-JUN-07	CLT	R539332
Conductivity (EC)	1.7		0.2	uS/cm		22-JUN-07	CLT	R539332
Bicarbonate (HCO3)	<5		5	mg/L		22-JUN-07	CLT	R539332
Carbonate (CO3)	<5		5	mg/L		22-JUN-07	CLT	R539332
Hydroxide (OH)	<5		5	mg/L		22-JUN-07	CLT	R539332
Alkalinity, Total (as CaCO3)	<5		5	mg/L		22-JUN-07	CLT	R539332
L520779-11 TRAVEL BLANK								
Sampled By: NOT PROVIDED								
Matrix: WATER								
Ultra-Low Metals - Dissolved								
Iron (Fe)	<0.005		0.005	mg/L		03-JUL-07	HAS	R543281

ALS LABORATORY GROUP ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	By	Batch
L520779-11 TRAVEL BLANK								
Sampled By: NOT PROVIDED								
Matrix: WATER								
Ultra-Low Metals - Dissolved								
Ultra-Low Metals - Dissolved								
Silver (Ag)	<0.0001		0.0001	mg/L		03-JUL-07	QLI	R542398
Aluminum (Al)	<0.0003		0.0003	mg/L		03-JUL-07	QLI	R542398
Arsenic (As)	<0.00003		0.00003	mg/L		03-JUL-07	QLI	R542398
Boron (B)	<0.001		0.001	mg/L		03-JUL-07	QLI	R542398
Barium (Ba)	<0.00005		0.00005	mg/L		03-JUL-07	QLI	R542398
Beryllium (Be)	<0.0002		0.0002	mg/L		03-JUL-07	QLI	R542398
Calcium (Ca)	<0.02		0.02	mg/L		03-JUL-07	QLI	R542398
Cadmium (Cd)	<0.00005		0.00005	mg/L		03-JUL-07	QLI	R542398
Cobalt (Co)	<0.0001		0.0001	mg/L		03-JUL-07	QLI	R542398
Chromium (Cr)	<0.00006		0.00006	mg/L		03-JUL-07	QLI	R542398
Copper (Cu)	<0.0006		0.0006	mg/L		03-JUL-07	QLI	R542398
Mercury (Hg)	<0.00002		0.00002	mg/L		04-JUL-07	DEO	R543813
Potassium (K)	<0.02		0.02	mg/L		03-JUL-07	QLI	R542398
Magnesium (Mg)	<0.004		0.004	mg/L		03-JUL-07	QLI	R542398
Manganese (Mn)	<0.0001		0.0001	mg/L		03-JUL-07	QLI	R542398
Molybdenum (Mo)	<0.00006		0.00006	mg/L		03-JUL-07	QLI	R542398
Sodium (Na)	<0.005		0.005	mg/L		03-JUL-07	QLI	R542398
Nickel (Ni)	<0.00006		0.00006	mg/L		03-JUL-07	QLI	R542398
Lead (Pb)	<0.00005		0.00005	mg/L		03-JUL-07	QLI	R542398
Antimony (Sb)	<0.00003		0.00003	mg/L		03-JUL-07	QLI	R542398
Selenium (Se)	<0.0001		0.0001	mg/L		03-JUL-07	QLI	R542398
Strontium (Sr)	<0.0001		0.0001	mg/L		03-JUL-07	QLI	R542398
Uranium (U)	<0.00005		0.00005	mg/L		03-JUL-07	QLI	R542398
Vanadium (V)	<0.00005		0.00005	mg/L		03-JUL-07	QLI	R542398
Zinc (Zn)	0.0010	RRVAP	0.0008	mg/L		03-JUL-07	QLI	R542398
Ultra-Low Metals								
Iron (Fe)	<0.005		0.005	mg/L		03-JUL-07	HAS	R543281
Ultra-Low Metals								
Silver (Ag)	<0.0001		0.0001	mg/L		03-JUL-07	QLI	R542398
Aluminum (Al)	<0.0003		0.0003	mg/L		03-JUL-07	QLI	R542398
Arsenic (As)	<0.00003		0.00003	mg/L		03-JUL-07	QLI	R542398
Boron (B)	<0.001		0.001	mg/L		03-JUL-07	QLI	R542398
Barium (Ba)	<0.00005		0.00005	mg/L		03-JUL-07	QLI	R542398
Beryllium (Be)	<0.0002		0.0002	mg/L		03-JUL-07	QLI	R542398
Calcium (Ca)	<0.02		0.02	mg/L		03-JUL-07	QLI	R542398
Cadmium (Cd)	<0.00005		0.00005	mg/L		03-JUL-07	QLI	R542398
Cobalt (Co)	<0.0001		0.0001	mg/L		03-JUL-07	QLI	R542398
Chromium (Cr)	<0.00006		0.00006	mg/L		03-JUL-07	QLI	R542398
Copper (Cu)	<0.0006		0.0006	mg/L		03-JUL-07	QLI	R542398
Mercury (Hg)	<0.00002		0.00002	mg/L		04-JUL-07	DEO	R543813
Potassium (K)	<0.02		0.02	mg/L		03-JUL-07	QLI	R542398
Magnesium (Mg)	<0.004		0.004	mg/L		03-JUL-07	QLI	R542398
Manganese (Mn)	<0.0001		0.0001	mg/L		03-JUL-07	QLI	R542398
Molybdenum (Mo)	<0.00006		0.00006	mg/L		03-JUL-07	QLI	R542398
Sodium (Na)	<0.005		0.005	mg/L		03-JUL-07	QLI	R542398
Nickel (Ni)	<0.00006		0.00006	mg/L		03-JUL-07	QLI	R542398
Lead (Pb)	<0.00005		0.00005	mg/L		03-JUL-07	QLI	R542398
Antimony (Sb)	<0.00003		0.00003	mg/L		03-JUL-07	QLI	R542398
Selenium (Se)	<0.0001		0.0001	mg/L		03-JUL-07	QLI	R542398
Strontium (Sr)	<0.0001		0.0001	mg/L		03-JUL-07	QLI	R542398

ALS LABORATORY GROUP ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	By	Batch
L520779-11 TRAVEL BLANK								
Sampled By: NOT PROVIDED								
Matrix: WATER								
Ultra-Low Metals								
Ultra-Low Metals								
Uranium (U)	<0.00005		0.00005	mg/L		03-JUL-07	QLI	R542398
Vanadium (V)	<0.00005		0.00005	mg/L		03-JUL-07	QLI	R542398
Zinc (Zn)	<0.0008		0.0008	mg/L		03-JUL-07	QLI	R542398
Ammonia-N	<0.005		0.005	mg/L		24-JUN-07	SHC	R539767
Bismuth (Bi)	<0.00003		0.00003	mg/L		03-JUL-07	QLI	R542398
Bismuth (Bi)	<0.00003		0.00003	mg/L		03-JUL-07	QLI	R542398
Iron (Fe)-Extractable	<0.05		0.05	mg/L		30-JUN-07	WYA	R542778
Lithium (Li)	<0.0001		0.0001	mg/L		03-JUL-07	QLI	R542398
Lithium (Li)	<0.0001		0.0001	mg/L		03-JUL-07	QLI	R542398
Manganese (Mn)-Extractable	<0.01		0.01	mg/L		30-JUN-07	WYA	R542778
Phosphorus, Total	<0.001		0.001	mg/L		26-JUN-07	MCH	R541610
Silicon (Si)-Dissolved	<0.1		0.1	mg/L		03-JUL-07	HAS	R543281
Silicon (Si)-Total	<0.1		0.1	mg/L		03-JUL-07	HAS	R543281
Tin (Sn)-Total	<0.0001		0.0001	mg/L		03-JUL-07	QLI	R542398
Tin (Sn)-Dissolved	<0.0001		0.0001	mg/L		03-JUL-07	QLI	R542398
Total Organic Carbon	<1		1	mg/L		25-JUN-07	TL	R539841
Total Suspended Solids	<3		3	mg/L		25-JUN-07	SVG	R539896
Turbidity	0.20		0.1	NTU		22-JUN-07	LD	R539045
Routine Water: Major Ions,F,Fe,Mn - Low								
Chloride (Cl)	<1		1	mg/L		25-JUN-07	RGM/	R540075
Fluoride (F)	<0.05		0.05	mg/L		22-JUN-07	CLT	R539332
ICP metals for routine water								
Calcium (Ca)	<0.5		0.5	mg/L		25-JUN-07	EOC	R540101
Potassium (K)	<0.1		0.1	mg/L		25-JUN-07	EOC	R540101
Magnesium (Mg)	<0.1		0.1	mg/L		25-JUN-07	EOC	R540101
Sodium (Na)	<1		1	mg/L		25-JUN-07	EOC	R540101
Ion Balance Calculation								
Ion Balance	Low TDS			%		26-JUN-07		
TDS (Calculated)	<1			mg/L		26-JUN-07		
Hardness (as CaCO3)	<1			mg/L		26-JUN-07		
Nitrate+Nitrite-N	<0.006		0.006	mg/L		22-JUN-07	FYG	R539265
Nitrate-N	<0.006		0.006	mg/L		22-JUN-07	FYG	R539265
Nitrite-N	<0.002		0.002	mg/L		22-JUN-07	FYG	R539265
Sulphate (SO4)	<0.05		0.05	mg/L		22-JUN-07	JTV	R537487
pH, Conductivity and Total Alkalinity								
pH	5.6		0.1	pH		22-JUN-07	CLT	R539332
Conductivity (EC)	0.5		0.2	uS/cm		22-JUN-07	CLT	R539332
Bicarbonate (HCO3)	<5		5	mg/L		22-JUN-07	CLT	R539332
Carbonate (CO3)	<5		5	mg/L		22-JUN-07	CLT	R539332
Hydroxide (OH)	<5		5	mg/L		22-JUN-07	CLT	R539332
Alkalinity, Total (as CaCO3)	<5		5	mg/L		22-JUN-07	CLT	R539332
L520779-13 STATION 6								
Sampled By: SM/KL								
Matrix: WATER								
Total Metals								
Total Major Metals								
Calcium (Ca)	18.1		0.5	mg/L		04-JUL-07	HAS	R543010

ALS LABORATORY GROUP ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	By	Batch
L520779-13 STATION 6								
Sampled By: SM/KL								
Matrix: WATER								
Total Metals								
Total Major Metals								
Potassium (K)	1.0		0.1	mg/L		04-JUL-07	HAS	R543010
Magnesium (Mg)	3.6		0.1	mg/L		04-JUL-07	HAS	R543010
Sodium (Na)	<1		1	mg/L		04-JUL-07	HAS	R543010
Iron (Fe)	2.22		0.005	mg/L		04-JUL-07	HAS	R543010
Manganese (Mn)	0.051		0.001	mg/L		04-JUL-07	HAS	R543010
Total Trace Metals (Low Level)								
Silver (Ag)	<0.0004		0.0004	mg/L		05-JUL-07	MX	R544326
Aluminum (Al)	2.05		0.02	mg/L		05-JUL-07	MX	R544326
Arsenic (As)	0.0054		0.0004	mg/L		05-JUL-07	MX	R544326
Boron (B)	<0.02		0.02	mg/L		05-JUL-07	MX	R544326
Barium (Ba)	0.118		0.0002	mg/L		05-JUL-07	MX	R544326
Beryllium (Be)	<0.001		0.001	mg/L		05-JUL-07	MX	R544326
Bismuth (Bi)	<0.0001		0.0001	mg/L		05-JUL-07	MX	R544326
Cadmium (Cd)	0.0005		0.0002	mg/L		05-JUL-07	MX	R544326
Cobalt (Co)	0.0024		0.0002	mg/L		05-JUL-07	MX	R544326
Chromium (Cr)	0.0018		0.0008	mg/L		05-JUL-07	MX	R544326
Copper (Cu)	0.007		0.001	mg/L		05-JUL-07	MX	R544326
Molybdenum (Mo)	0.0014		0.0001	mg/L		05-JUL-07	MX	R544326
Nickel (Ni)	0.0107		0.0002	mg/L		05-JUL-07	MX	R544326
Lead (Pb)	0.0014		0.0001	mg/L		05-JUL-07	MX	R544326
Antimony (Sb)	<0.0004		0.0004	mg/L		05-JUL-07	MX	R544326
Selenium (Se)	0.0009		0.0004	mg/L		05-JUL-07	MX	R544326
Tin (Sn)	<0.0004		0.0004	mg/L		05-JUL-07	MX	R544326
Strontium (Sr)	0.0537		0.0002	mg/L		05-JUL-07	MX	R544326
Titanium (Ti)	0.069		0.005	mg/L		05-JUL-07	MX	R544326
Thallium (Tl)	<0.0001		0.0001	mg/L		05-JUL-07	MX	R544326
Uranium (U)	0.0008		0.0001	mg/L		05-JUL-07	MX	R544326
Vanadium (V)	0.0079		0.0002	mg/L		05-JUL-07	MX	R544326
Zinc (Zn)	0.040		0.004	mg/L		05-JUL-07	MX	R544326
Ultra-Low Metals - Dissolved								
Iron (Fe)	0.025		0.005	mg/L		03-JUL-07	HAS	R543281
Ultra-Low Metals - Dissolved								
Silver (Ag)	<0.0001		0.0001	mg/L		03-JUL-07	QLI	R542398
Aluminum (Al)	0.0379		0.0003	mg/L		03-JUL-07	QLI	R542398
Arsenic (As)	0.00106		0.00003	mg/L		03-JUL-07	QLI	R542398
Boron (B)	<0.001		0.001	mg/L		03-JUL-07	QLI	R542398
Barium (Ba)	0.0329		0.00005	mg/L		03-JUL-07	QLI	R542398
Beryllium (Be)	<0.0002		0.0002	mg/L		03-JUL-07	QLI	R542398
Calcium (Ca)	15.3		0.02	mg/L		03-JUL-07	QLI	R542398
Cadmium (Cd)	0.00013		0.00005	mg/L		03-JUL-07	QLI	R542398
Cobalt (Co)	0.0008		0.0001	mg/L		03-JUL-07	QLI	R542398
Chromium (Cr)	<0.00006		0.00006	mg/L		03-JUL-07	QLI	R542398
Copper (Cu)	0.0009		0.0006	mg/L		03-JUL-07	QLI	R542398
Mercury (Hg)	<0.00002		0.00002	mg/L		04-JUL-07	DEO	R543813
Potassium (K)	0.60		0.02	mg/L		03-JUL-07	QLI	R542398
Magnesium (Mg)	2.25		0.004	mg/L		03-JUL-07	QLI	R542398
Manganese (Mn)	0.0185		0.0001	mg/L		03-JUL-07	QLI	R542398
Molybdenum (Mo)	0.00112		0.00006	mg/L		03-JUL-07	QLI	R542398
Sodium (Na)	0.267		0.005	mg/L		03-JUL-07	QLI	R542398
Nickel (Ni)	0.00489		0.00006	mg/L		03-JUL-07	QLI	R542398

ALS LABORATORY GROUP ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	By	Batch
L520779-13 STATION 6								
Sampled By: SM/KL								
Matrix: WATER								
Ultra-Low Metals - Dissolved								
Ultra-Low Metals - Dissolved								
Lead (Pb)	<0.00005		0.00005	mg/L		03-JUL-07	QLI	R542398
Antimony (Sb)	0.00020		0.00003	mg/L		03-JUL-07	QLI	R542398
Selenium (Se)	0.0008		0.0001	mg/L		03-JUL-07	QLI	R542398
Strontium (Sr)	0.0467		0.0001	mg/L		03-JUL-07	QLI	R542398
Uranium (U)	0.00047		0.00005	mg/L		03-JUL-07	QLI	R542398
Vanadium (V)	0.00015		0.00005	mg/L		03-JUL-07	QLI	R542398
Zinc (Zn)	0.0098		0.0008	mg/L		03-JUL-07	QLI	R542398
Bismuth (Bi)	<0.00003		0.00003	mg/L		03-JUL-07	QLI	R542398
Lithium (Li)	0.0012		0.0001	mg/L		03-JUL-07	QLI	R542398
Lithium (Li)-Total	0.006		0.006	mg/L		05-JUL-07	MX	R544326
Mercury (Hg)-Total	<0.0002		0.0002	mg/L		05-JUL-07	MX	R544326
Silicon (Si)-Dissolved	1.7		0.1	mg/L		03-JUL-07	HAS	R543281
Silicon (Si)-Total	5.0		0.1	mg/L		04-JUL-07	HAS	R543010
Tin (Sn)-Dissolved	<0.0001		0.0001	mg/L		03-JUL-07	QLI	R542398
Tin (Sn)-Total	<0.0004		0.0004	mg/L		05-JUL-07	MX	R544326

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

Reference Information

Sample Parameter Qualifier key listed:

Qualifier	Description
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)
BI-ULTRA-DIS-ED	Water	Bismuth (Bi)-Dissolved		EPA 6020
BI-ULTRA-ED	Water	Bismuth (Bi)		EPA 6020
C-TOT-ORG-ED	Water	Total Organic Carbon		APHA 5310 B-Instrumental
CL-ED	Water	Chloride (Cl)		APHA 4500 Cl E-Colorimetry
ETL-ROUTINE-LOW-ED	Water	ICP metals for routine water		APHA 3120 B-ICP/OES
F-ED	Water	Fluoride (F)		APHA 4500 F-C-Electrode
FE-EXT-ROU-ED	Water	Iron (Fe)-Extractable		APHA 3120 B-ICP-OES
HG-TOT-LOW-ED	Water	Mercury, (Hg)-Total	EPA3015	EPA 6020
IONBALANCE-ED	Water	Ion Balance Calculation		APHA 1030E
LI-TOT-LOW-ED	Water	Lithium (Li)-Total	EPA3015	EPA 6020
LI-ULTRA-DIS-ED	Water	Lithium (Li)-Dissolved		EPA 6020
LI-ULTRA-ED	Water	Lithium (Li)		EPA 6020
MET1-TOT-LOW-ED	Water	Total Trace Metals (Low Level)	EPA3015	EPA 6020
MET1-ULTRA-DIS-ED	Water	Ultra-Low Metals - Dissolved		APHA 3112 B
MET1-ULTRA-ED	Water	Ultra-Low Metals		APHA 3112 B
MET2-TOT-LOW-ED	Water	Total Major Metals	EPA3015	EPA 200.7
MET2-ULTRA-DIS-ED	Water	Major Metals - Dissolved		EPA 200.7
MET2-ULTRA-ED	Water	Major Metals		EPA 200.7
MN-EXT-ROU-ED	Water	Manganese (Mn)-Extractable		APHA 3120 B-ICP-OES
N2N3-LOW-ED	Water	Nitrate+Nitrite-N		APHA 4500 NO3E-Colorimetry
NH4-LOW-ED	Water	Ammonia-N		APHA 4500 NH3F-Colorimetry
NO2-LOW-ED	Water	Nitrite-N		APHA 4500 NO2B-Colorimetry
NO3-LOW-ED	Water	Nitrate-N		APHA 4500 NO3H-Colorimetry
P-TOTAL-LOW-ED	Water	Phosphorus, Total		APHA 4500 P B,E-Auto-Colorimetry
PH/EC/ALK-ED	Water	pH, Conductivity and Total Alkalinity		APHA 4500-H, 2510, 2320
SI-DIS-ED	Water	Silicon (Si)-Dissolved		EPA 200.7
SI-TOT-ED	Water	Silicon (Si)-Total	EPA3015	EPA 200.7
SN-TOT-LOW-ED	Water	Tin (Sn)-Total	EPA3015	EPA 6020
SN-ULTRA-DIS-ED	Water	Tin (Sn)-Dissolved		EPA 6020
SN-ULTRA-ED	Water	Tin (Sn)		APHA 3125-ICP-MS
SO4-LOW-ED	Water	Sulfate (SO4)		APHA 4110 B-Ion Chromatography
SOLIDS-TOTSUS-ED	Water	Total Suspended Solids		APHA 2540 D-Gravimetric

Reference Information

TURBIDITY-ED	Water	Turbidity	APHA 2130 B-Nephelometer

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

Chain of Custody numbers:

A040186

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.

ANALYTICAL REPORT

EBA ENG CONSULTANTS LTD

ATTN: STEVE MOORE

201- 4916 49 STREET
PO BOX 2244
YELLOWKNIFE NT X1A 2P7

Reported On: 02-AUG-07 06:51 PM

Lab Work Order #: **L530243** **Date Received:** **16-JUL-07**

Project P.O. #:
Job Reference: W23101021
Legal Site Desc:
CofC Numbers: A071264, A071270

Other Information:

Comments: L530243-1, -2, -3, -8, -9, -10; Analysis for total metals was changed from ultra-low level to low level analysis.

RON MINKS
Director, Western Canada Operations

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

CATHERINE EVARISTO-CORDERO

ALS LABORATORY GROUP ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	By	Batch
L530243-1 STATION 4								
Sampled By: KL/CS on 10-JUL-07								
Matrix: WATER								
Total Metals								
Total Major Metals								
Calcium (Ca)	13.3		0.5	mg/L		27-JUL-07	SYF	R553867
Potassium (K)	0.6		0.1	mg/L		27-JUL-07	SYF	R553867
Magnesium (Mg)	4.1		0.1	mg/L		27-JUL-07	SYF	R553867
Sodium (Na)	<1		1	mg/L		27-JUL-07	SYF	R553867
Iron (Fe)	0.772		0.005	mg/L		27-JUL-07	SYF	R553867
Manganese (Mn)	0.041		0.001	mg/L		27-JUL-07	SYF	R553867
Total Trace Metals (Low Level)								
Silver (Ag)	<0.0004		0.0004	mg/L		25-JUL-07	CVM	R553043
Aluminum (Al)	1.18		0.02	mg/L		25-JUL-07	CVM	R553043
Arsenic (As)	0.0008		0.0004	mg/L		25-JUL-07	CVM	R553043
Boron (B)	<0.02		0.02	mg/L		25-JUL-07	CVM	R553043
Barium (Ba)	0.0302		0.0002	mg/L		25-JUL-07	CVM	R553043
Beryllium (Be)	<0.001		0.001	mg/L		25-JUL-07	CVM	R553043
Bismuth (Bi)	<0.0001		0.0001	mg/L		25-JUL-07	CVM	R553043
Cadmium (Cd)	0.0008		0.0002	mg/L		25-JUL-07	CVM	R553043
Cobalt (Co)	0.0022		0.0002	mg/L		25-JUL-07	CVM	R553043
Chromium (Cr)	<0.0008		0.0008	mg/L		25-JUL-07	CVM	R553043
Copper (Cu)	0.006		0.001	mg/L		25-JUL-07	CVM	R553043
Molybdenum (Mo)	0.0006		0.0001	mg/L		25-JUL-07	CVM	R553043
Nickel (Ni)	0.0179		0.0002	mg/L		25-JUL-07	CVM	R553043
Lead (Pb)	0.0003		0.0001	mg/L		25-JUL-07	CVM	R553043
Antimony (Sb)	<0.0004		0.0004	mg/L		25-JUL-07	CVM	R553043
Selenium (Se)	0.0008		0.0004	mg/L		25-JUL-07	CVM	R553043
Tin (Sn)	<0.0004		0.0004	mg/L		25-JUL-07	CVM	R553043
Strontium (Sr)	0.0570		0.0002	mg/L		25-JUL-07	CVM	R553043
Titanium (Ti)	0.043		0.005	mg/L		25-JUL-07	CVM	R553043
Thallium (Tl)	<0.0001		0.0001	mg/L		25-JUL-07	CVM	R553043
Uranium (U)	0.0005		0.0001	mg/L		25-JUL-07	CVM	R553043
Vanadium (V)	0.0014		0.0002	mg/L		25-JUL-07	CVM	R553043
Zinc (Zn)	0.052		0.004	mg/L		25-JUL-07	CVM	R553043
Ultra-Low Metals - Dissolved								
Iron (Fe)	0.039		0.005	mg/L		26-JUL-07	SYF	R553864
Mercury (Hg)	<0.00002		0.00002	mg/L		19-JUL-07	DEO	R550926
Ultra-Low Metals - Dissolved								
Silver (Ag)	<0.0001		0.0001	mg/L		26-JUL-07	QLI	R553277
Aluminum (Al)	0.0468		0.0003	mg/L		26-JUL-07	QLI	R553277
Arsenic (As)	0.00023		0.00003	mg/L		26-JUL-07	QLI	R553277
Boron (B)	<0.001		0.001	mg/L		26-JUL-07	QLI	R553277
Barium (Ba)	0.0210		0.00005	mg/L		26-JUL-07	QLI	R553277
Beryllium (Be)	<0.0002		0.0002	mg/L		26-JUL-07	QLI	R553277
Calcium (Ca)	13.3		0.02	mg/L		26-JUL-07	QLI	R553277
Cadmium (Cd)	0.00073		0.00005	mg/L		26-JUL-07	QLI	R553277
Cobalt (Co)	0.0019		0.0001	mg/L		26-JUL-07	QLI	R553277
Chromium (Cr)	<0.00006		0.00006	mg/L		26-JUL-07	QLI	R553277
Copper (Cu)	0.0021		0.0006	mg/L		26-JUL-07	QLI	R553277
Potassium (K)	0.37		0.02	mg/L		26-JUL-07	QLI	R553277
Magnesium (Mg)	4.53		0.004	mg/L		26-JUL-07	QLI	R553277
Manganese (Mn)	0.0318	RRVAP	0.0001	mg/L		26-JUL-07	QLI	R553277
Molybdenum (Mo)	0.00054		0.00006	mg/L		26-JUL-07	QLI	R553277
Sodium (Na)	0.475		0.005	mg/L		26-JUL-07	QLI	R553277

ALS LABORATORY GROUP ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	By	Batch
L530243-1 STATION 4								
Sampled By: KL/CS on 10-JUL-07								
Matrix: WATER								
Ultra-Low Metals - Dissolved								
Ultra-Low Metals - Dissolved								
Nickel (Ni)	0.0173		0.00006	mg/L		26-JUL-07	QLI	R553277
Lead (Pb)	<0.00005		0.00005	mg/L		26-JUL-07	QLI	R553277
Antimony (Sb)	0.00008		0.00003	mg/L		26-JUL-07	QLI	R553277
Selenium (Se)	0.0006		0.0001	mg/L		26-JUL-07	QLI	R553277
Strontium (Sr)	0.0474		0.0001	mg/L		26-JUL-07	QLI	R553277
Uranium (U)	0.00011		0.00005	mg/L		26-JUL-07	QLI	R553277
Vanadium (V)	0.00008		0.00005	mg/L		26-JUL-07	QLI	R553277
Zinc (Zn)	0.0442		0.0008	mg/L		26-JUL-07	QLI	R553277
Ammonia-N	0.006		0.005	mg/L		18-JUL-07	MCH/HZ	R549666
Bismuth (Bi)	<0.00003		0.00003	mg/L		26-JUL-07	QLI	R553277
Iron (Fe)-Extractable	0.10		0.05	mg/L		18-JUL-07	JWU	R550111
Lithium (Li)	0.0027		0.0001	mg/L		26-JUL-07	QLI	R553277
Lithium (Li)-Total	<0.006		0.006	mg/L		25-JUL-07	CVM	R553043
Manganese (Mn)-Extractable	0.01		0.01	mg/L		18-JUL-07	JWU	R550111
Mercury (Hg)	<0.00002		0.00002	mg/L		19-JUL-07	DEO	R550926
Phosphorus, Total	0.013		0.001	mg/L		18-JUL-07	SHC/	R549997
Silicon (Si)-Dissolved	1.6		0.1	mg/L		26-JUL-07	SYF	R553864
Silicon (Si)-Total	2.3		0.1	mg/L		27-JUL-07	SYF	R553867
Tin (Sn)-Dissolved	<0.0001		0.0001	mg/L		26-JUL-07	QLI	R553277
Total Organic Carbon	2		1	mg/L		24-JUL-07	ZOW	R552351
Total Suspended Solids	10		3	mg/L		18-JUL-07	SVG	R549701
Turbidity	11		0.1	NTU		17-JUL-07	LD	R549071
Routine Water: Major Ions,F,Fe,Mn - Low								
Chloride (Cl)	<1		1	mg/L		17-JUL-07	LWW	R549067
Fluoride (F)	0.08		0.05	mg/L		17-JUL-07	CLT	R549563
ICP metals for routine water								
Calcium (Ca)	14.9		0.5	mg/L		17-JUL-07	JWU	R549280
Potassium (K)	0.4		0.1	mg/L		17-JUL-07	JWU	R549280
Magnesium (Mg)	5.1		0.1	mg/L		17-JUL-07	JWU	R549280
Sodium (Na)	<1		1	mg/L		17-JUL-07	JWU	R549280
Ion Balance Calculation								
Ion Balance	94.6			%		19-JUL-07		
TDS (Calculated)	72			mg/L		19-JUL-07		
Hardness (as CaCO3)	58			mg/L		19-JUL-07		
Nitrate+Nitrite-N	0.031		0.006	mg/L		16-JUL-07	FYG	R548901
Nitrate-N	0.028		0.006	mg/L		16-JUL-07	FYG	R548901
Nitrite-N	0.003		0.002	mg/L		16-JUL-07	FYG	R548901
Sulphate (SO4)	38.8		0.05	mg/L		16-JUL-07	JTV	R546840
pH, Conductivity and Total Alkalinity								
pH	7.5		0.1	pH		17-JUL-07	CLT	R549563
Conductivity (EC)	126		0.2	uS/cm		17-JUL-07	CLT	R549563
Bicarbonate (HCO3)	26		5	mg/L		17-JUL-07	CLT	R549563
Carbonate (CO3)	<5		5	mg/L		17-JUL-07	CLT	R549563
Hydroxide (OH)	<5		5	mg/L		17-JUL-07	CLT	R549563
Alkalinity, Total (as CaCO3)	21		5	mg/L		17-JUL-07	CLT	R549563

ALS LABORATORY GROUP ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	By	Batch
L530243-2 STATION 5								
Sampled By: KL/CS on 10-JUL-07								
Matrix: WATER								
Total Metals								
Total Major Metals								
Calcium (Ca)	17.0		0.5	mg/L		27-JUL-07	SYF	R553867
Potassium (K)	0.5		0.1	mg/L		27-JUL-07	SYF	R553867
Magnesium (Mg)	2.1		0.1	mg/L		27-JUL-07	SYF	R553867
Sodium (Na)	<1		1	mg/L		27-JUL-07	SYF	R553867
Iron (Fe)	0.079		0.005	mg/L		27-JUL-07	SYF	R553867
Manganese (Mn)	0.008		0.001	mg/L		27-JUL-07	SYF	R553867
Total Trace Metals (Low Level)								
Silver (Ag)	<0.0004		0.0004	mg/L		25-JUL-07	CVM	R553043
Aluminum (Al)	0.05		0.02	mg/L		25-JUL-07	CVM	R553043
Arsenic (As)	0.0013		0.0004	mg/L		25-JUL-07	CVM	R553043
Boron (B)	<0.02		0.02	mg/L		25-JUL-07	CVM	R553043
Barium (Ba)	0.0322		0.0002	mg/L		25-JUL-07	CVM	R553043
Beryllium (Be)	<0.001		0.001	mg/L		25-JUL-07	CVM	R553043
Bismuth (Bi)	<0.0001		0.0001	mg/L		25-JUL-07	CVM	R553043
Cadmium (Cd)	0.0003		0.0002	mg/L		25-JUL-07	CVM	R553043
Cobalt (Co)	0.0004		0.0002	mg/L		25-JUL-07	CVM	R553043
Chromium (Cr)	<0.0008		0.0008	mg/L		25-JUL-07	CVM	R553043
Copper (Cu)	<0.001		0.001	mg/L		25-JUL-07	CVM	R553043
Molybdenum (Mo)	0.0014		0.0001	mg/L		25-JUL-07	CVM	R553043
Nickel (Ni)	0.0071		0.0002	mg/L		25-JUL-07	CVM	R553043
Lead (Pb)	<0.0001		0.0001	mg/L		25-JUL-07	CVM	R553043
Antimony (Sb)	<0.0004		0.0004	mg/L		25-JUL-07	CVM	R553043
Selenium (Se)	0.0008		0.0004	mg/L		25-JUL-07	CVM	R553043
Tin (Sn)	<0.0004		0.0004	mg/L		25-JUL-07	CVM	R553043
Strontium (Sr)	0.0643		0.0002	mg/L		25-JUL-07	CVM	R553043
Titanium (Ti)	<0.005		0.005	mg/L		25-JUL-07	CVM	R553043
Thallium (Tl)	<0.0001		0.0001	mg/L		25-JUL-07	CVM	R553043
Uranium (U)	0.0008		0.0001	mg/L		25-JUL-07	CVM	R553043
Vanadium (V)	<0.0002		0.0002	mg/L		25-JUL-07	CVM	R553043
Zinc (Zn)	0.020		0.004	mg/L		25-JUL-07	CVM	R553043
Ultra-Low Metals - Dissolved								
Iron (Fe)	0.034		0.005	mg/L		26-JUL-07	SYF	R553864
Mercury (Hg)	<0.00002		0.00002	mg/L		19-JUL-07	DEO	R550926
Ultra-Low Metals - Dissolved								
Silver (Ag)	<0.0001		0.0001	mg/L		26-JUL-07	QLI	R553277
Aluminum (Al)	0.0129		0.0003	mg/L		26-JUL-07	QLI	R553277
Arsenic (As)	0.00078		0.00003	mg/L		26-JUL-07	QLI	R553277
Boron (B)	<0.001		0.001	mg/L		26-JUL-07	QLI	R553277
Barium (Ba)	0.0326		0.00005	mg/L		26-JUL-07	QLI	R553277
Beryllium (Be)	<0.0002		0.0002	mg/L		26-JUL-07	QLI	R553277
Calcium (Ca)	17.4		0.02	mg/L		26-JUL-07	QLI	R553277
Cadmium (Cd)	0.00034		0.00005	mg/L		26-JUL-07	QLI	R553277
Cobalt (Co)	0.0004		0.0001	mg/L		26-JUL-07	QLI	R553277
Chromium (Cr)	<0.00006		0.00006	mg/L		26-JUL-07	QLI	R553277
Copper (Cu)	0.0007		0.0006	mg/L		26-JUL-07	QLI	R553277
Potassium (K)	0.44		0.02	mg/L		26-JUL-07	QLI	R553277
Magnesium (Mg)	2.37		0.004	mg/L		26-JUL-07	QLI	R553277
Manganese (Mn)	0.0087		0.0001	mg/L		26-JUL-07	QLI	R553277
Molybdenum (Mo)	0.00140		0.00006	mg/L		26-JUL-07	QLI	R553277
Sodium (Na)	0.330		0.005	mg/L		26-JUL-07	QLI	R553277

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Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	By	Batch
L530243-2 STATION 5								
Sampled By: KL/CS on 10-JUL-07								
Matrix: WATER								
Ultra-Low Metals - Dissolved								
Ultra-Low Metals - Dissolved								
Nickel (Ni)	0.00685		0.00006	mg/L		26-JUL-07	QLI	R553277
Lead (Pb)	<0.00005		0.00005	mg/L		26-JUL-07	QLI	R553277
Antimony (Sb)	0.00017		0.00003	mg/L		26-JUL-07	QLI	R553277
Selenium (Se)	0.0009		0.0001	mg/L		26-JUL-07	QLI	R553277
Strontium (Sr)	0.0584		0.0001	mg/L		26-JUL-07	QLI	R553277
Uranium (U)	0.00078		0.00005	mg/L		26-JUL-07	QLI	R553277
Vanadium (V)	0.00007		0.00005	mg/L		26-JUL-07	QLI	R553277
Zinc (Zn)	0.0206		0.0008	mg/L		26-JUL-07	QLI	R553277
Ammonia-N	<0.005		0.005	mg/L		18-JUL-07	MCH/HZ	R549666
Bismuth (Bi)	<0.00003		0.00003	mg/L		26-JUL-07	QLI	R553277
Iron (Fe)-Extractable	<0.05		0.05	mg/L		18-JUL-07	JWU	R550111
Lithium (Li)	0.0013		0.0001	mg/L		26-JUL-07	QLI	R553277
Lithium (Li)-Total	<0.006		0.006	mg/L		25-JUL-07	CVM	R553043
Manganese (Mn)-Extractable	<0.01		0.01	mg/L		18-JUL-07	JWU	R550111
Mercury (Hg)	<0.00002		0.00002	mg/L		19-JUL-07	DEO	R550926
Phosphorus, Total	0.004		0.001	mg/L		18-JUL-07	SHC/	R549997
Silicon (Si)-Dissolved	1.7		0.1	mg/L		26-JUL-07	SYF	R553864
Silicon (Si)-Total	1.5		0.1	mg/L		27-JUL-07	SYF	R553867
Tin (Sn)-Dissolved	<0.0001		0.0001	mg/L		26-JUL-07	QLI	R553277
Total Organic Carbon	1		1	mg/L		24-JUL-07	ZOW	R552351
Total Suspended Solids	<3		3	mg/L		18-JUL-07	SVG	R549701
Turbidity	0.30		0.1	NTU		17-JUL-07	LD	R549071
Routine Water: Major Ions,F,Fe,Mn - Low								
Chloride (Cl)	<1		1	mg/L		17-JUL-07	LWW	R549067
Fluoride (F)	0.07		0.05	mg/L		17-JUL-07	CLT	R549563
ICP metals for routine water								
Calcium (Ca)	19.7		0.5	mg/L		17-JUL-07	JWU	R549280
Potassium (K)	0.6		0.1	mg/L		17-JUL-07	JWU	R549280
Magnesium (Mg)	2.6		0.1	mg/L		17-JUL-07	JWU	R549280
Sodium (Na)	<1		1	mg/L		17-JUL-07	JWU	R549280
Ion Balance Calculation								
Ion Balance	97.0			%		19-JUL-07		
TDS (Calculated)	72			mg/L		19-JUL-07		
Hardness (as CaCO3)	60			mg/L		19-JUL-07		
Nitrate+Nitrite-N	0.043		0.006	mg/L		16-JUL-07	FYG	R548901
Nitrate-N	0.043		0.006	mg/L		16-JUL-07	FYG	R548901
Nitrite-N	<0.002		0.002	mg/L		16-JUL-07	FYG	R548901
Sulphate (SO4)	29.8		0.05	mg/L		16-JUL-07	JTV	R546840
pH, Conductivity and Total Alkalinity								
pH	7.7		0.1	pH		17-JUL-07	CLT	R549563
Conductivity (EC)	127		0.2	uS/cm		17-JUL-07	CLT	R549563
Bicarbonate (HCO3)	38		5	mg/L		17-JUL-07	CLT	R549563
Carbonate (CO3)	<5		5	mg/L		17-JUL-07	CLT	R549563
Hydroxide (OH)	<5		5	mg/L		17-JUL-07	CLT	R549563
Alkalinity, Total (as CaCO3)	31		5	mg/L		17-JUL-07	CLT	R549563

ALS LABORATORY GROUP ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	By	Batch
L530243-3 STATION 6								
Sampled By: KL/CS on 10-JUL-07								
Matrix: WATER								
Total Metals								
Total Major Metals								
Calcium (Ca)	17.7		0.5	mg/L		27-JUL-07	SYF	R553867
Potassium (K)	0.6		0.1	mg/L		27-JUL-07	SYF	R553867
Magnesium (Mg)	2.3		0.1	mg/L		27-JUL-07	SYF	R553867
Sodium (Na)	<1		1	mg/L		27-JUL-07	SYF	R553867
Iron (Fe)	0.405		0.005	mg/L		27-JUL-07	SYF	R553867
Manganese (Mn)	0.019		0.001	mg/L		27-JUL-07	SYF	R553867
Total Trace Metals (Low Level)								
Silver (Ag)	<0.0004		0.0004	mg/L		25-JUL-07	CVM	R553043
Aluminum (Al)	0.43		0.02	mg/L		25-JUL-07	CVM	R553043
Arsenic (As)	0.0020		0.0004	mg/L		25-JUL-07	CVM	R553043
Boron (B)	<0.02		0.02	mg/L		25-JUL-07	CVM	R553043
Barium (Ba)	0.0532		0.0002	mg/L		25-JUL-07	CVM	R553043
Beryllium (Be)	<0.001		0.001	mg/L		25-JUL-07	CVM	R553043
Bismuth (Bi)	<0.0001		0.0001	mg/L		25-JUL-07	CVM	R553043
Cadmium (Cd)	0.0002		0.0002	mg/L		25-JUL-07	CVM	R553043
Cobalt (Co)	0.0014		0.0002	mg/L		25-JUL-07	CVM	R553043
Chromium (Cr)	<0.0008		0.0008	mg/L		25-JUL-07	CVM	R553043
Copper (Cu)	0.002		0.001	mg/L		25-JUL-07	CVM	R553043
Molybdenum (Mo)	0.0013		0.0001	mg/L		25-JUL-07	CVM	R553043
Nickel (Ni)	0.0065		0.0002	mg/L		25-JUL-07	CVM	R553043
Lead (Pb)	0.0002		0.0001	mg/L		25-JUL-07	CVM	R553043
Antimony (Sb)	0.0006		0.0004	mg/L		25-JUL-07	CVM	R553043
Selenium (Se)	<0.0004		0.0004	mg/L		25-JUL-07	CVM	R553043
Tin (Sn)	<0.0004		0.0004	mg/L		25-JUL-07	CVM	R553043
Strontium (Sr)	0.0591		0.0002	mg/L		25-JUL-07	CVM	R553043
Titanium (Ti)	0.013		0.005	mg/L		25-JUL-07	CVM	R553043
Thallium (Tl)	<0.0001		0.0001	mg/L		25-JUL-07	CVM	R553043
Uranium (U)	0.0006		0.0001	mg/L		25-JUL-07	CVM	R553043
Vanadium (V)	0.0016		0.0002	mg/L		25-JUL-07	CVM	R553043
Zinc (Zn)	0.017		0.004	mg/L		25-JUL-07	CVM	R553043
Ultra-Low Metals - Dissolved								
Iron (Fe)	0.027		0.005	mg/L		26-JUL-07	SYF	R553864
Mercury (Hg)	<0.00002		0.00002	mg/L		19-JUL-07	DEO	R550926
Ultra-Low Metals - Dissolved								
Silver (Ag)	<0.0001		0.0001	mg/L		26-JUL-07	QLI	R553277
Aluminum (Al)	0.0290		0.0003	mg/L		26-JUL-07	QLI	R553277
Arsenic (As)	0.00102		0.00003	mg/L		26-JUL-07	QLI	R553277
Boron (B)	<0.001		0.001	mg/L		26-JUL-07	QLI	R553277
Barium (Ba)	0.0399		0.00005	mg/L		26-JUL-07	QLI	R553277
Beryllium (Be)	<0.0002		0.0002	mg/L		26-JUL-07	QLI	R553277
Calcium (Ca)	18.3		0.02	mg/L		26-JUL-07	QLI	R553277
Cadmium (Cd)	0.00016		0.00005	mg/L		26-JUL-07	QLI	R553277
Cobalt (Co)	0.0011		0.0001	mg/L		26-JUL-07	QLI	R553277
Chromium (Cr)	<0.00006		0.00006	mg/L		26-JUL-07	QLI	R553277
Copper (Cu)	0.0007		0.0006	mg/L		26-JUL-07	QLI	R553277
Potassium (K)	0.51		0.02	mg/L		26-JUL-07	QLI	R553277
Magnesium (Mg)	2.41		0.004	mg/L		26-JUL-07	QLI	R553277
Manganese (Mn)	0.0159		0.0001	mg/L		26-JUL-07	QLI	R553277
Molybdenum (Mo)	0.00126		0.00006	mg/L		26-JUL-07	QLI	R553277
Sodium (Na)	0.349		0.005	mg/L		26-JUL-07	QLI	R553277

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Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	By	Batch
L530243-3 STATION 6								
Sampled By: KL/CS on 10-JUL-07								
Matrix: WATER								
Ultra-Low Metals - Dissolved								
Ultra-Low Metals - Dissolved								
Nickel (Ni)	0.00575		0.00006	mg/L		26-JUL-07	QLI	R553277
Lead (Pb)	<0.00005		0.00005	mg/L		26-JUL-07	QLI	R553277
Antimony (Sb)	0.00019		0.00003	mg/L		26-JUL-07	QLI	R553277
Selenium (Se)	0.0007		0.0001	mg/L		26-JUL-07	QLI	R553277
Strontium (Sr)	0.0523		0.0001	mg/L		26-JUL-07	QLI	R553277
Uranium (U)	0.00056		0.00005	mg/L		26-JUL-07	QLI	R553277
Vanadium (V)	0.00010		0.00005	mg/L		26-JUL-07	QLI	R553277
Zinc (Zn)	0.0123		0.0008	mg/L		26-JUL-07	QLI	R553277
Ammonia-N	0.006		0.005	mg/L		18-JUL-07	MCH/HZ	R549666
Bismuth (Bi)	<0.00003		0.00003	mg/L		26-JUL-07	QLI	R553277
Iron (Fe)-Extractable	<0.05		0.05	mg/L		20-JUL-07	CJN	R551244
Lithium (Li)	0.0013		0.0001	mg/L		26-JUL-07	QLI	R553277
Lithium (Li)-Total	<0.006		0.006	mg/L		25-JUL-07	CVM	R553043
Manganese (Mn)-Extractable	<0.01		0.01	mg/L		20-JUL-07	CJN	R551244
Mercury (Hg)	<0.00002		0.00002	mg/L		19-JUL-07	DEO	R550926
Phosphorus, Total	0.023		0.001	mg/L		18-JUL-07	SHC/	R549997
Silicon (Si)-Dissolved	1.8		0.1	mg/L		26-JUL-07	SYF	R553864
Silicon (Si)-Total	2.0		0.1	mg/L		27-JUL-07	SYF	R553867
Tin (Sn)-Dissolved	<0.0001		0.0001	mg/L		26-JUL-07	QLI	R553277
Total Organic Carbon	2		1	mg/L		24-JUL-07	ZOW	R552351
Total Suspended Solids	7		3	mg/L		18-JUL-07	SVG	R549701
Turbidity	0.80		0.1	NTU		17-JUL-07	LD	R549071
Routine Water: Major Ions,F,Fe,Mn - Low								
Chloride (Cl)	<1		1	mg/L		17-JUL-07	LWW	R549067
Fluoride (F)	0.07		0.05	mg/L		17-JUL-07	CLT	R549563
ICP metals for routine water								
Calcium (Ca)	20.3		0.5	mg/L		17-JUL-07	JWU	R549280
Potassium (K)	0.6		0.1	mg/L		17-JUL-07	JWU	R549280
Magnesium (Mg)	2.6		0.1	mg/L		17-JUL-07	JWU	R549280
Sodium (Na)	<1		1	mg/L		17-JUL-07	JWU	R549280
Ion Balance Calculation								
Ion Balance	99.6			%		19-JUL-07		
TDS (Calculated)	72			mg/L		19-JUL-07		
Hardness (as CaCO3)	61			mg/L		19-JUL-07		
Nitrate+Nitrite-N	0.037		0.006	mg/L		16-JUL-07	FYG	R548901
Nitrate-N	0.037		0.006	mg/L		16-JUL-07	FYG	R548901
Nitrite-N	<0.002		0.002	mg/L		16-JUL-07	FYG	R548901
Sulphate (SO4)	28.9		0.05	mg/L		16-JUL-07	JTV	R546840
pH, Conductivity and Total Alkalinity								
pH	7.8		0.1	pH		17-JUL-07	CLT	R549563
Conductivity (EC)	129		0.2	uS/cm		17-JUL-07	CLT	R549563
Bicarbonate (HCO3)	39		5	mg/L		17-JUL-07	CLT	R549563
Carbonate (CO3)	<5		5	mg/L		17-JUL-07	CLT	R549563
Hydroxide (OH)	<5		5	mg/L		17-JUL-07	CLT	R549563
Alkalinity, Total (as CaCO3)	32		5	mg/L		17-JUL-07	CLT	R549563

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Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	By	Batch
L530243-4 STATION 7								
Sampled By: KL/CS on 10-JUL-07								
Matrix: WATER								
Ultra-Low Metals - Dissolved								
Iron (Fe)	0.290		0.005	mg/L		26-JUL-07	SYF	R553864
Mercury (Hg)	<0.00002		0.00002	mg/L		19-JUL-07	DEO	R550926
Ultra-Low Metals - Dissolved								
Silver (Ag)	<0.0001		0.0001	mg/L		26-JUL-07	QLI	R553277
Aluminum (Al)	0.0288		0.0003	mg/L		26-JUL-07	QLI	R553277
Arsenic (As)	0.00017		0.00003	mg/L		26-JUL-07	QLI	R553277
Boron (B)	<0.001		0.001	mg/L		26-JUL-07	QLI	R553277
Barium (Ba)	0.0413		0.00005	mg/L		26-JUL-07	QLI	R553277
Beryllium (Be)	<0.0002		0.0002	mg/L		26-JUL-07	QLI	R553277
Calcium (Ca)	15.1		0.02	mg/L		26-JUL-07	QLI	R553277
Cadmium (Cd)	0.00336		0.00005	mg/L		26-JUL-07	QLI	R553277
Cobalt (Co)	0.0089		0.0001	mg/L		26-JUL-07	QLI	R553277
Chromium (Cr)	<0.00006		0.00006	mg/L		26-JUL-07	QLI	R553277
Copper (Cu)	0.0244		0.0006	mg/L		26-JUL-07	QLI	R553277
Potassium (K)	0.40		0.02	mg/L		26-JUL-07	QLI	R553277
Magnesium (Mg)	3.23		0.004	mg/L		26-JUL-07	QLI	R553277
Manganese (Mn)	0.103		0.0001	mg/L		26-JUL-07	QLI	R553277
Molybdenum (Mo)	0.00031		0.00006	mg/L		26-JUL-07	QLI	R553277
Sodium (Na)	0.320		0.005	mg/L		26-JUL-07	QLI	R553277
Nickel (Ni)	0.0700		0.00006	mg/L		26-JUL-07	QLI	R553277
Lead (Pb)	<0.00005		0.00005	mg/L		26-JUL-07	QLI	R553277
Antimony (Sb)	0.00008		0.00003	mg/L		26-JUL-07	QLI	R553277
Selenium (Se)	0.0005		0.0001	mg/L		26-JUL-07	QLI	R553277
Strontium (Sr)	0.0416		0.0001	mg/L		26-JUL-07	QLI	R553277
Uranium (U)	0.00008		0.00005	mg/L		26-JUL-07	QLI	R553277
Vanadium (V)	<0.00005		0.00005	mg/L		26-JUL-07	QLI	R553277
Zinc (Zn)	0.243		0.0008	mg/L		26-JUL-07	QLI	R553277
Ultra-Low Metals								
Iron (Fe)	1.11		0.005	mg/L		26-JUL-07	SYF	R553864
Mercury (Hg)	<0.00002		0.00002	mg/L		19-JUL-07	DEO	R550926
Ultra-Low Metals								
Silver (Ag)	<0.0001		0.0001	mg/L		26-JUL-07	QLI	R553277
Aluminum (Al)	1.62		0.0003	mg/L		26-JUL-07	QLI	R553277
Arsenic (As)	0.00094		0.00003	mg/L		26-JUL-07	QLI	R553277
Boron (B)	<0.001		0.001	mg/L		26-JUL-07	QLI	R553277
Barium (Ba)	0.0439		0.00005	mg/L		26-JUL-07	QLI	R553277
Beryllium (Be)	<0.0002		0.0002	mg/L		26-JUL-07	QLI	R553277
Calcium (Ca)	15.0		0.02	mg/L		26-JUL-07	QLI	R553277
Cadmium (Cd)	0.00345		0.00005	mg/L		26-JUL-07	QLI	R553277
Cobalt (Co)	0.0090		0.0001	mg/L		26-JUL-07	QLI	R553277
Chromium (Cr)	0.00073		0.00006	mg/L		26-JUL-07	QLI	R553277
Copper (Cu)	0.0482		0.0006	mg/L		26-JUL-07	QLI	R553277
Potassium (K)	0.42	RRVAP	0.02	mg/L		26-JUL-07	QLI	R553277
Magnesium (Mg)	3.28		0.004	mg/L		26-JUL-07	QLI	R553277
Manganese (Mn)	0.105		0.0001	mg/L		26-JUL-07	QLI	R553277
Molybdenum (Mo)	0.00048		0.00006	mg/L		26-JUL-07	QLI	R553277
Sodium (Na)	0.310		0.005	mg/L		26-JUL-07	QLI	R553277
Nickel (Ni)	0.0711		0.00006	mg/L		26-JUL-07	QLI	R553277
Lead (Pb)	0.00010		0.00005	mg/L		26-JUL-07	QLI	R553277
Antimony (Sb)	0.00010		0.00003	mg/L		26-JUL-07	QLI	R553277
Selenium (Se)	0.0004		0.0001	mg/L		26-JUL-07	QLI	R553277

ALS LABORATORY GROUP ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	By	Batch
L530243-4 STATION 7								
Sampled By: KL/CS on 10-JUL-07								
Matrix: WATER								
Ultra-Low Metals								
Ultra-Low Metals								
Strontium (Sr)	0.0382		0.0001	mg/L		26-JUL-07	QLI	R553277
Uranium (U)	0.00098		0.00005	mg/L		26-JUL-07	QLI	R553277
Vanadium (V)	0.00164		0.00005	mg/L		26-JUL-07	QLI	R553277
Zinc (Zn)	0.251		0.0008	mg/L		26-JUL-07	QLI	R553277
Ammonia-N	0.009		0.005	mg/L		18-JUL-07	MCH/HZ	R549666
Bismuth (Bi)	<0.00003		0.00003	mg/L		26-JUL-07	QLI	R553277
Bismuth (Bi)	<0.00003		0.00003	mg/L		26-JUL-07	QLI	R553277
Iron (Fe)-Extractable	0.72		0.05	mg/L		18-JUL-07	JWU	R550111
Lithium (Li)	0.0050		0.0001	mg/L		26-JUL-07	QLI	R553277
Lithium (Li)	0.0048		0.0001	mg/L		26-JUL-07	QLI	R553277
Manganese (Mn)-Extractable	0.09		0.01	mg/L		18-JUL-07	JWU	R550111
Phosphorus, Total	0.028		0.001	mg/L		18-JUL-07	SHC/	R549997
Silicon (Si)-Dissolved	2.1		0.1	mg/L		26-JUL-07	SYF	R553864
Silicon (Si)-Total	2.3		0.1	mg/L		26-JUL-07	SYF	R553864
Tin (Sn)-Total	<0.0001		0.0001	mg/L		26-JUL-07	QLI	R553277
Tin (Sn)-Dissolved	<0.0001		0.0001	mg/L		26-JUL-07	QLI	R553277
Total Organic Carbon	2		1	mg/L		24-JUL-07	ZOW	R552351
Total Suspended Solids	15		3	mg/L		18-JUL-07	SVG	R549701
Turbidity	7.3		0.1	NTU		17-JUL-07	LD	R549071
Routine Water: Major Ions,F,Fe,Mn - Low								
Chloride (Cl)	<1		1	mg/L		17-JUL-07	LWW	R549067
Fluoride (F)	0.13		0.05	mg/L		17-JUL-07	CLT	R549563
ICP metals for routine water								
Calcium (Ca)	16.9		0.5	mg/L		17-JUL-07	JWU	R549280
Potassium (K)	0.6		0.1	mg/L		17-JUL-07	JWU	R549280
Magnesium (Mg)	3.6		0.1	mg/L		17-JUL-07	JWU	R549280
Sodium (Na)	<1		1	mg/L		17-JUL-07	JWU	R549280
Ion Balance Calculation								
Ion Balance	98.6			%		19-JUL-07		
TDS (Calculated)	75			mg/L		19-JUL-07		
Hardness (as CaCO3)	57			mg/L		19-JUL-07		
Nitrate+Nitrite-N	0.037		0.006	mg/L		16-JUL-07	FYG	R548901
Nitrate-N	0.037		0.006	mg/L		16-JUL-07	FYG	R548901
Nitrite-N	<0.002		0.002	mg/L		16-JUL-07	FYG	R548901
Sulphate (SO4)	50.3		0.05	mg/L		16-JUL-07	JTV	R546840
pH, Conductivity and Total Alkalinity								
pH	6.8		0.1	pH		17-JUL-07	CLT	R549563
Conductivity (EC)	131		0.2	uS/cm		17-JUL-07	CLT	R549563
Bicarbonate (HCO3)	7		5	mg/L		17-JUL-07	CLT	R549563
Carbonate (CO3)	<5		5	mg/L		17-JUL-07	CLT	R549563
Hydroxide (OH)	<5		5	mg/L		17-JUL-07	CLT	R549563
Alkalinity, Total (as CaCO3)	6		5	mg/L		17-JUL-07	CLT	R549563
L530243-5 STATION 8								
Sampled By: KL/CS on 10-JUL-07								
Matrix: WATER								
Ultra-Low Metals - Dissolved								
Iron (Fe)	0.011		0.005	mg/L		26-JUL-07	SYF	R553864

ALS LABORATORY GROUP ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	By	Batch
L530243-5 STATION 8								
Sampled By: KL/CS on 10-JUL-07								
Matrix: WATER								
Ultra-Low Metals - Dissolved								
Mercury (Hg)	<0.00002		0.00002	mg/L		19-JUL-07	DEO	R550926
Ultra-Low Metals - Dissolved								
Silver (Ag)	<0.0001		0.0001	mg/L		26-JUL-07	QLI	R553277
Aluminum (Al)	0.0163		0.0003	mg/L		26-JUL-07	QLI	R553277
Arsenic (As)	0.00175		0.00003	mg/L		26-JUL-07	QLI	R553277
Boron (B)	<0.001		0.001	mg/L		26-JUL-07	QLI	R553277
Barium (Ba)	0.0107		0.00005	mg/L		26-JUL-07	QLI	R553277
Beryllium (Be)	<0.0002		0.0002	mg/L		26-JUL-07	QLI	R553277
Calcium (Ca)	7.62		0.02	mg/L		26-JUL-07	QLI	R553277
Cadmium (Cd)	<0.00005		0.00005	mg/L		26-JUL-07	QLI	R553277
Cobalt (Co)	0.0009		0.0001	mg/L		26-JUL-07	QLI	R553277
Chromium (Cr)	<0.00006		0.00006	mg/L		26-JUL-07	QLI	R553277
Copper (Cu)	0.0009		0.0006	mg/L		26-JUL-07	QLI	R553277
Potassium (K)	0.14		0.02	mg/L		26-JUL-07	QLI	R553277
Magnesium (Mg)	0.606		0.004	mg/L		26-JUL-07	QLI	R553277
Manganese (Mn)	0.0335	RRVAP	0.0001	mg/L		26-JUL-07	QLI	R553277
Molybdenum (Mo)	0.00119		0.00006	mg/L		26-JUL-07	QLI	R553277
Sodium (Na)	0.238		0.005	mg/L		26-JUL-07	QLI	R553277
Nickel (Ni)	0.00400		0.00006	mg/L		26-JUL-07	QLI	R553277
Lead (Pb)	<0.00005		0.00005	mg/L		26-JUL-07	QLI	R553277
Antimony (Sb)	0.00029		0.00003	mg/L		26-JUL-07	QLI	R553277
Selenium (Se)	0.0001		0.0001	mg/L		26-JUL-07	QLI	R553277
Strontium (Sr)	0.0166		0.0001	mg/L		26-JUL-07	QLI	R553277
Uranium (U)	0.00022		0.00005	mg/L		26-JUL-07	QLI	R553277
Vanadium (V)	<0.00005		0.00005	mg/L		26-JUL-07	QLI	R553277
Zinc (Zn)	0.0053		0.0008	mg/L		26-JUL-07	QLI	R553277
Ultra-Low Metals								
Iron (Fe)	0.019		0.005	mg/L		26-JUL-07	SYF	R553864
Mercury (Hg)	<0.00002		0.00002	mg/L		19-JUL-07	DEO	R550926
Ultra-Low Metals								
Silver (Ag)	<0.0001		0.0001	mg/L		26-JUL-07	QLI	R553277
Aluminum (Al)	0.0589		0.0003	mg/L		26-JUL-07	QLI	R553277
Arsenic (As)	0.00288		0.00003	mg/L		26-JUL-07	QLI	R553277
Boron (B)	<0.001		0.001	mg/L		26-JUL-07	QLI	R553277
Barium (Ba)	0.0108		0.00005	mg/L		26-JUL-07	QLI	R553277
Beryllium (Be)	<0.0002		0.0002	mg/L		26-JUL-07	QLI	R553277
Calcium (Ca)	7.67		0.02	mg/L		26-JUL-07	QLI	R553277
Cadmium (Cd)	<0.00005		0.00005	mg/L		26-JUL-07	QLI	R553277
Cobalt (Co)	0.0009		0.0001	mg/L		26-JUL-07	QLI	R553277
Chromium (Cr)	<0.00006		0.00006	mg/L		26-JUL-07	QLI	R553277
Copper (Cu)	0.0013		0.0006	mg/L		26-JUL-07	QLI	R553277
Potassium (K)	0.14	RRVAP	0.02	mg/L		26-JUL-07	QLI	R553277
Magnesium (Mg)	0.601		0.004	mg/L		26-JUL-07	QLI	R553277
Manganese (Mn)	0.0356		0.0001	mg/L		26-JUL-07	QLI	R553277
Molybdenum (Mo)	0.00115		0.00006	mg/L		26-JUL-07	QLI	R553277
Sodium (Na)	0.232		0.005	mg/L		26-JUL-07	QLI	R553277
Nickel (Ni)	0.00402		0.00006	mg/L		26-JUL-07	QLI	R553277
Lead (Pb)	0.00007		0.00005	mg/L		26-JUL-07	QLI	R553277
Antimony (Sb)	0.00028		0.00003	mg/L		26-JUL-07	QLI	R553277
Selenium (Se)	<0.0001		0.0001	mg/L		26-JUL-07	QLI	R553277
Strontium (Sr)	0.0161		0.0001	mg/L		26-JUL-07	QLI	R553277

ALS LABORATORY GROUP ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	By	Batch
L530243-5 STATION 8								
Sampled By: KL/CS on 10-JUL-07								
Matrix: WATER								
Ultra-Low Metals								
Ultra-Low Metals								
Uranium (U)	0.00034		0.00005	mg/L		26-JUL-07	QLI	R553277
Vanadium (V)	<0.00005		0.00005	mg/L		26-JUL-07	QLI	R553277
Zinc (Zn)	0.0041		0.0008	mg/L		26-JUL-07	QLI	R553277
Ammonia-N	<0.005		0.005	mg/L		18-JUL-07	MCH/HZ	R549666
Bismuth (Bi)	<0.00003		0.00003	mg/L		26-JUL-07	QLI	R553277
Bismuth (Bi)	<0.00003		0.00003	mg/L		26-JUL-07	QLI	R553277
Iron (Fe)-Extractable	<0.05		0.05	mg/L		18-JUL-07	JWU	R550111
Lithium (Li)	0.0012		0.0001	mg/L		26-JUL-07	QLI	R553277
Lithium (Li)	0.0012		0.0001	mg/L		26-JUL-07	QLI	R553277
Manganese (Mn)-Extractable	0.01		0.01	mg/L		18-JUL-07	JWU	R550111
Phosphorus, Total	0.001		0.001	mg/L		18-JUL-07	SHC/	R549997
Silicon (Si)-Dissolved	1.1		0.1	mg/L		26-JUL-07	SYF	R553864
Silicon (Si)-Total	1.1		0.1	mg/L		26-JUL-07	SYF	R553864
Tin (Sn)-Total	<0.0001		0.0001	mg/L		26-JUL-07	QLI	R553277
Tin (Sn)-Dissolved	<0.0001		0.0001	mg/L		26-JUL-07	QLI	R553277
Total Organic Carbon	1		1	mg/L		24-JUL-07	ZOW	R552351
Total Suspended Solids	<3		3	mg/L		18-JUL-07	SVG	R549701
Turbidity	0.25		0.1	NTU		17-JUL-07	LD	R549071
Routine Water: Major Ions,F,Fe,Mn - Low								
Chloride (Cl)	<1		1	mg/L		17-JUL-07	LWW	R549067
Fluoride (F)	0.06		0.05	mg/L		17-JUL-07	CLT	R549563
ICP metals for routine water								
Calcium (Ca)	8.8		0.5	mg/L		17-JUL-07	JWU	R549280
Potassium (K)	0.3		0.1	mg/L		17-JUL-07	JWU	R549280
Magnesium (Mg)	0.5		0.1	mg/L		17-JUL-07	JWU	R549280
Sodium (Na)	<1		1	mg/L		17-JUL-07	JWU	R549280
Ion Balance Calculation								
Ion Balance	Low EC			%		19-JUL-07		
TDS (Calculated)	32			mg/L		19-JUL-07		
Hardness (as CaCO3)	24			mg/L		19-JUL-07		
Nitrate+Nitrite-N	0.008		0.006	mg/L		16-JUL-07	FYG	R548901
Nitrate-N	0.008		0.006	mg/L		16-JUL-07	FYG	R548901
Nitrite-N	<0.002		0.002	mg/L		16-JUL-07	FYG	R548901
Sulphate (SO4)	16.1		0.05	mg/L		16-JUL-07	JTV	R546840
pH, Conductivity and Total Alkalinity								
pH	7.2		0.1	pH		17-JUL-07	CLT	R549563
Conductivity (EC)	57.1		0.2	uS/cm		17-JUL-07	CLT	R549563
Bicarbonate (HCO3)	12		5	mg/L		17-JUL-07	CLT	R549563
Carbonate (CO3)	<5		5	mg/L		17-JUL-07	CLT	R549563
Hydroxide (OH)	<5		5	mg/L		17-JUL-07	CLT	R549563
Alkalinity, Total (as CaCO3)	10		5	mg/L		17-JUL-07	CLT	R549563
L530243-6 STATION 8 DUPLICATE								
Sampled By: KL/CS on 10-JUL-07								
Matrix: WATER								
Ultra-Low Metals - Dissolved								
Iron (Fe)	0.008		0.005	mg/L		26-JUL-07	SYF	R553864
Mercury (Hg)	<0.00002		0.00002	mg/L		19-JUL-07	DEO	R550926

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Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	By	Batch
L530243-6 STATION 8 DUPLICATE								
Sampled By: KL/CS on 10-JUL-07								
Matrix: WATER								
Ultra-Low Metals - Dissolved								
Ultra-Low Metals - Dissolved								
Silver (Ag)	<0.0001		0.0001	mg/L		26-JUL-07	QLI	R553277
Aluminum (Al)	0.0167		0.0003	mg/L		26-JUL-07	QLI	R553277
Arsenic (As)	0.00175		0.00003	mg/L		26-JUL-07	QLI	R553277
Boron (B)	<0.001		0.001	mg/L		26-JUL-07	QLI	R553277
Barium (Ba)	0.0108		0.00005	mg/L		26-JUL-07	QLI	R553277
Beryllium (Be)	<0.0002		0.0002	mg/L		26-JUL-07	QLI	R553277
Calcium (Ca)	7.87		0.02	mg/L		26-JUL-07	QLI	R553277
Cadmium (Cd)	0.00005		0.00005	mg/L		26-JUL-07	QLI	R553277
Cobalt (Co)	0.0009		0.0001	mg/L		26-JUL-07	QLI	R553277
Chromium (Cr)	<0.00006		0.00006	mg/L		26-JUL-07	QLI	R553277
Copper (Cu)	0.0009		0.0006	mg/L		26-JUL-07	QLI	R553277
Potassium (K)	0.14		0.02	mg/L		26-JUL-07	QLI	R553277
Magnesium (Mg)	0.606		0.004	mg/L		26-JUL-07	QLI	R553277
Manganese (Mn)	0.0352	RRVAP	0.0001	mg/L		26-JUL-07	QLI	R553277
Molybdenum (Mo)	0.00118		0.00006	mg/L		26-JUL-07	QLI	R553277
Sodium (Na)	0.243		0.005	mg/L		26-JUL-07	QLI	R553277
Nickel (Ni)	0.00405		0.00006	mg/L		26-JUL-07	QLI	R553277
Lead (Pb)	<0.00005		0.00005	mg/L		26-JUL-07	QLI	R553277
Antimony (Sb)	0.00028		0.00003	mg/L		26-JUL-07	QLI	R553277
Selenium (Se)	0.0002		0.0001	mg/L		26-JUL-07	QLI	R553277
Strontium (Sr)	0.0166		0.0001	mg/L		26-JUL-07	QLI	R553277
Uranium (U)	0.00019		0.00005	mg/L		26-JUL-07	QLI	R553277
Vanadium (V)	<0.00005		0.00005	mg/L		26-JUL-07	QLI	R553277
Zinc (Zn)	0.0055		0.0008	mg/L		26-JUL-07	QLI	R553277
Ultra-Low Metals								
Iron (Fe)	0.019		0.005	mg/L		26-JUL-07	SYF	R553864
Mercury (Hg)	<0.00002		0.00002	mg/L		19-JUL-07	DEO	R550926
Ultra-Low Metals								
Silver (Ag)	<0.0001		0.0001	mg/L		26-JUL-07	QLI	R553277
Aluminum (Al)	0.0602		0.0003	mg/L		26-JUL-07	QLI	R553277
Arsenic (As)	0.00299		0.00003	mg/L		26-JUL-07	QLI	R553277
Boron (B)	<0.001		0.001	mg/L		26-JUL-07	QLI	R553277
Barium (Ba)	0.0108		0.00005	mg/L		26-JUL-07	QLI	R553277
Beryllium (Be)	<0.0002		0.0002	mg/L		26-JUL-07	QLI	R553277
Calcium (Ca)	7.87		0.02	mg/L		26-JUL-07	QLI	R553277
Cadmium (Cd)	<0.00005		0.00005	mg/L		26-JUL-07	QLI	R553277
Cobalt (Co)	0.0009		0.0001	mg/L		26-JUL-07	QLI	R553277
Chromium (Cr)	<0.00006		0.00006	mg/L		26-JUL-07	QLI	R553277
Copper (Cu)	0.0013		0.0006	mg/L		26-JUL-07	QLI	R553277
Potassium (K)	0.15	RRVAP	0.02	mg/L		26-JUL-07	QLI	R553277
Magnesium (Mg)	0.609		0.004	mg/L		26-JUL-07	QLI	R553277
Manganese (Mn)	0.0367		0.0001	mg/L		26-JUL-07	QLI	R553277
Molybdenum (Mo)	0.00115		0.00006	mg/L		26-JUL-07	QLI	R553277
Sodium (Na)	0.234		0.005	mg/L		26-JUL-07	QLI	R553277
Nickel (Ni)	0.00413		0.00006	mg/L		26-JUL-07	QLI	R553277
Lead (Pb)	0.00007		0.00005	mg/L		26-JUL-07	QLI	R553277
Antimony (Sb)	0.00027		0.00003	mg/L		26-JUL-07	QLI	R553277
Selenium (Se)	0.0002		0.0001	mg/L		26-JUL-07	QLI	R553277
Strontium (Sr)	0.0164		0.0001	mg/L		26-JUL-07	QLI	R553277
Uranium (U)	0.00033		0.00005	mg/L		26-JUL-07	QLI	R553277

ALS LABORATORY GROUP ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	By	Batch
L530243-6 STATION 8 DUPLICATE								
Sampled By: KL/CS on 10-JUL-07								
Matrix: WATER								
Ultra-Low Metals								
Ultra-Low Metals								
Vanadium (V)	<0.00005		0.00005	mg/L		26-JUL-07	QLI	R553277
Zinc (Zn)	0.0042		0.0008	mg/L		26-JUL-07	QLI	R553277
Ammonia-N	0.006		0.005	mg/L		18-JUL-07	MCH/HZ	R549666
Bismuth (Bi)	<0.00003		0.00003	mg/L		26-JUL-07	QLI	R553277
Bismuth (Bi)	<0.00003		0.00003	mg/L		26-JUL-07	QLI	R553277
Iron (Fe)-Extractable	<0.05		0.05	mg/L		18-JUL-07	JWU	R550111
Lithium (Li)	0.0012		0.0001	mg/L		26-JUL-07	QLI	R553277
Lithium (Li)	0.0012		0.0001	mg/L		26-JUL-07	QLI	R553277
Manganese (Mn)-Extractable	0.01		0.01	mg/L		18-JUL-07	JWU	R550111
Phosphorus, Total	0.001		0.001	mg/L		18-JUL-07	SHC/	R549997
Silicon (Si)-Dissolved	1.1		0.1	mg/L		26-JUL-07	SYF	R553864
Silicon (Si)-Total	1.1		0.1	mg/L		26-JUL-07	SYF	R553864
Tin (Sn)-Total	<0.0001		0.0001	mg/L		26-JUL-07	QLI	R553277
Tin (Sn)-Dissolved	<0.0001		0.0001	mg/L		26-JUL-07	QLI	R553277
Total Organic Carbon	1		1	mg/L		24-JUL-07	ZOW	R552351
Total Suspended Solids	<3		3	mg/L		18-JUL-07	SVG	R549701
Turbidity	0.35		0.1	NTU		17-JUL-07	LD	R549071
Routine Water: Major Ions,F,Fe,Mn - Low								
Chloride (Cl)	<1		1	mg/L		17-JUL-07	LWW	R549067
Fluoride (F)	0.06		0.05	mg/L		17-JUL-07	CLT	R549563
ICP metals for routine water								
Calcium (Ca)	8.9		0.5	mg/L		17-JUL-07	JWU	R549280
Potassium (K)	0.3		0.1	mg/L		17-JUL-07	JWU	R549280
Magnesium (Mg)	0.5		0.1	mg/L		17-JUL-07	JWU	R549280
Sodium (Na)	<1		1	mg/L		17-JUL-07	JWU	R549280
Ion Balance Calculation								
Ion Balance	Low EC			%		19-JUL-07		
TDS (Calculated)	32			mg/L		19-JUL-07		
Hardness (as CaCO3)	24			mg/L		19-JUL-07		
Nitrate+Nitrite-N	0.008		0.006	mg/L		16-JUL-07	FYG	R548901
Nitrate-N	0.008		0.006	mg/L		16-JUL-07	FYG	R548901
Nitrite-N	<0.002		0.002	mg/L		16-JUL-07	FYG	R548901
Sulphate (SO4)	16.1		0.05	mg/L		16-JUL-07	JTV	R546840
pH, Conductivity and Total Alkalinity								
pH	7.2		0.1	pH		17-JUL-07	CLT	R549563
Conductivity (EC)	57.2		0.2	uS/cm		17-JUL-07	CLT	R549563
Bicarbonate (HCO3)	12		5	mg/L		17-JUL-07	CLT	R549563
Carbonate (CO3)	<5		5	mg/L		17-JUL-07	CLT	R549563
Hydroxide (OH)	<5		5	mg/L		17-JUL-07	CLT	R549563
Alkalinity, Total (as CaCO3)	10		5	mg/L		17-JUL-07	CLT	R549563
L530243-7 STATION 1								
Sampled By: KL/CS on 11-JUL-07								
Matrix: WATER								
Ultra-Low Metals - Dissolved								
Iron (Fe)	0.008		0.005	mg/L		26-JUL-07	SYF	R553864
Mercury (Hg)	<0.00002		0.00002	mg/L		19-JUL-07	DEO	R550926
Ultra-Low Metals - Dissolved								

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Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	By	Batch
L530243-7 STATION 1								
Sampled By: KL/CS on 11-JUL-07								
Matrix: WATER								
Ultra-Low Metals - Dissolved								
Ultra-Low Metals - Dissolved								
Silver (Ag)	<0.0001		0.0001	mg/L		26-JUL-07	QLI	R553277
Aluminum (Al)	0.0536		0.0003	mg/L		26-JUL-07	QLI	R553277
Arsenic (As)	0.00094		0.00003	mg/L		26-JUL-07	QLI	R553277
Boron (B)	0.002		0.001	mg/L		26-JUL-07	QLI	R553277
Barium (Ba)	0.0339		0.00005	mg/L		26-JUL-07	QLI	R553277
Beryllium (Be)	<0.0002		0.0002	mg/L		26-JUL-07	QLI	R553277
Calcium (Ca)	42.5		0.02	mg/L		26-JUL-07	QLI	R553277
Cadmium (Cd)	0.00065		0.00005	mg/L		26-JUL-07	QLI	R553277
Cobalt (Co)	0.0018		0.0001	mg/L		26-JUL-07	QLI	R553277
Chromium (Cr)	<0.00006		0.00006	mg/L		26-JUL-07	QLI	R553277
Copper (Cu)	0.0018		0.0006	mg/L		26-JUL-07	QLI	R553277
Potassium (K)	0.81		0.02	mg/L		26-JUL-07	QLI	R553277
Magnesium (Mg)	3.52		0.004	mg/L		26-JUL-07	QLI	R553277
Manganese (Mn)	0.0405	RRVAP	0.0001	mg/L		26-JUL-07	QLI	R553277
Molybdenum (Mo)	0.00378		0.00006	mg/L		26-JUL-07	QLI	R553277
Sodium (Na)	1.24		0.005	mg/L		26-JUL-07	QLI	R553277
Nickel (Ni)	0.0205		0.00006	mg/L		26-JUL-07	QLI	R553277
Lead (Pb)	<0.00005		0.00005	mg/L		26-JUL-07	QLI	R553277
Antimony (Sb)	0.00025		0.00003	mg/L		26-JUL-07	QLI	R553277
Selenium (Se)	0.0029		0.0001	mg/L		26-JUL-07	QLI	R553277
Strontium (Sr)	0.109		0.0001	mg/L		26-JUL-07	QLI	R553277
Uranium (U)	0.00119		0.00005	mg/L		26-JUL-07	QLI	R553277
Vanadium (V)	0.00046		0.00005	mg/L		26-JUL-07	QLI	R553277
Zinc (Zn)	0.0654		0.0008	mg/L		26-JUL-07	QLI	R553277
Ultra-Low Metals								
Iron (Fe)	0.029		0.005	mg/L		26-JUL-07	SYF	R553864
Mercury (Hg)	<0.00002		0.00002	mg/L		19-JUL-07	DEO	R550926
Ultra-Low Metals								
Silver (Ag)	<0.0001		0.0001	mg/L		26-JUL-07	QLI	R553277
Aluminum (Al)	0.252		0.0003	mg/L		26-JUL-07	QLI	R553277
Arsenic (As)	0.00134		0.00003	mg/L		26-JUL-07	QLI	R553277
Boron (B)	0.002		0.001	mg/L		26-JUL-07	QLI	R553277
Barium (Ba)	0.0355		0.00005	mg/L		26-JUL-07	QLI	R553277
Beryllium (Be)	<0.0002		0.0002	mg/L		26-JUL-07	QLI	R553277
Calcium (Ca)	42.7		0.02	mg/L		26-JUL-07	QLI	R553277
Cadmium (Cd)	0.00072		0.00005	mg/L		26-JUL-07	QLI	R553277
Cobalt (Co)	0.0019		0.0001	mg/L		26-JUL-07	QLI	R553277
Chromium (Cr)	<0.00006		0.00006	mg/L		26-JUL-07	QLI	R553277
Copper (Cu)	0.0033		0.0006	mg/L		26-JUL-07	QLI	R553277
Potassium (K)	0.84		0.02	mg/L		26-JUL-07	QLI	R553277
Magnesium (Mg)	3.51		0.004	mg/L		26-JUL-07	QLI	R553277
Manganese (Mn)	0.0414		0.0001	mg/L		26-JUL-07	QLI	R553277
Molybdenum (Mo)	0.00368		0.00006	mg/L		26-JUL-07	QLI	R553277
Sodium (Na)	1.22		0.005	mg/L		26-JUL-07	QLI	R553277
Nickel (Ni)	0.0208		0.00006	mg/L		26-JUL-07	QLI	R553277
Lead (Pb)	<0.00005		0.00005	mg/L		26-JUL-07	QLI	R553277
Antimony (Sb)	0.00026		0.00003	mg/L		26-JUL-07	QLI	R553277
Selenium (Se)	0.0029		0.0001	mg/L		26-JUL-07	QLI	R553277
Strontium (Sr)	0.109		0.0001	mg/L		26-JUL-07	QLI	R553277
Uranium (U)	0.00239		0.00005	mg/L		26-JUL-07	QLI	R553277

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Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	By	Batch
L530243-7 STATION 1								
Sampled By: KL/CS on 11-JUL-07								
Matrix: WATER								
Ultra-Low Metals								
Ultra-Low Metals								
Vanadium (V)	0.00067		0.00005	mg/L		26-JUL-07	QLI	R553277
Zinc (Zn)	0.0754		0.0008	mg/L		26-JUL-07	QLI	R553277
Ammonia-N	<0.005		0.005	mg/L		18-JUL-07	MCH/HZ	R549666
Bismuth (Bi)	<0.00003		0.00003	mg/L		26-JUL-07	QLI	R553277
Bismuth (Bi)	<0.00003		0.00003	mg/L		26-JUL-07	QLI	R553277
Iron (Fe)-Extractable	<0.05		0.05	mg/L		18-JUL-07	JWU	R550111
Lithium (Li)	0.0028		0.0001	mg/L		26-JUL-07	QLI	R553277
Lithium (Li)	0.0029		0.0001	mg/L		26-JUL-07	QLI	R553277
Manganese (Mn)-Extractable	0.02		0.01	mg/L		18-JUL-07	JWU	R550111
Phosphorus, Total	0.003		0.001	mg/L		18-JUL-07	SHC/	R549997
Silicon (Si)-Dissolved	2.8		0.1	mg/L		26-JUL-07	SYF	R553864
Silicon (Si)-Total	2.8		0.1	mg/L		26-JUL-07	SYF	R553864
Tin (Sn)-Total	<0.0001		0.0001	mg/L		26-JUL-07	QLI	R553277
Tin (Sn)-Dissolved	<0.0001		0.0001	mg/L		26-JUL-07	QLI	R553277
Total Organic Carbon	1		1	mg/L		24-JUL-07	ZOW	R552351
Total Suspended Solids	3		3	mg/L		18-JUL-07	SVG	R549701
Turbidity	0.40		0.1	NTU		17-JUL-07	LD	R549071
Routine Water: Major Ions,F,Fe,Mn - Low								
Chloride (Cl)	<1		1	mg/L		17-JUL-07	LWW	R549067
Fluoride (F)	0.17		0.05	mg/L		17-JUL-07	CLT	R549563
ICP metals for routine water								
Calcium (Ca)	45.8		0.5	mg/L		17-JUL-07	JWU	R549280
Potassium (K)	0.9		0.1	mg/L		17-JUL-07	JWU	R549280
Magnesium (Mg)	3.8		0.1	mg/L		17-JUL-07	JWU	R549280
Sodium (Na)	1		1	mg/L		17-JUL-07	JWU	R549280
Ion Balance Calculation								
Ion Balance	97.6			%		19-JUL-07		
TDS (Calculated)	166			mg/L		19-JUL-07		
Hardness (as CaCO3)	130			mg/L		19-JUL-07		
Nitrate+Nitrite-N	0.037		0.006	mg/L		16-JUL-07	FYG	R548901
Nitrate-N	0.037		0.006	mg/L		16-JUL-07	FYG	R548901
Nitrite-N	<0.002		0.002	mg/L		16-JUL-07	FYG	R548901
Sulphate (SO4)	87.3		0.05	mg/L		16-JUL-07	JTV	R546840
pH, Conductivity and Total Alkalinity								
pH	7.9		0.1	pH		17-JUL-07	CLT	R549563
Conductivity (EC)	266		0.2	uS/cm		17-JUL-07	CLT	R549563
Bicarbonate (HCO3)	55		5	mg/L		17-JUL-07	CLT	R549563
Carbonate (CO3)	<5		5	mg/L		17-JUL-07	CLT	R549563
Hydroxide (OH)	<5		5	mg/L		17-JUL-07	CLT	R549563
Alkalinity, Total (as CaCO3)	45		5	mg/L		17-JUL-07	CLT	R549563
L530243-8 STATION 2								
Sampled By: KL/CS on 11-JUL-07								
Matrix: WATER								
Total Metals								
Total Major Metals								
Calcium (Ca)	30.0		0.5	mg/L		27-JUL-07	SYF	R553867
Potassium (K)	0.5		0.1	mg/L		27-JUL-07	SYF	R553867

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Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	By	Batch
L530243-8 STATION 2								
Sampled By: KL/CS on 11-JUL-07								
Matrix: WATER								
Total Metals								
Total Major Metals								
Magnesium (Mg)	6.6		0.1	mg/L		27-JUL-07	SYF	R553867
Sodium (Na)	<1		1	mg/L		27-JUL-07	SYF	R553867
Iron (Fe)	0.661		0.005	mg/L		27-JUL-07	SYF	R553867
Manganese (Mn)	0.107		0.001	mg/L		27-JUL-07	SYF	R553867
Total Trace Metals (Low Level)								
Silver (Ag)	<0.0004		0.0004	mg/L		25-JUL-07	CVM	R553043
Aluminum (Al)	2.68		0.02	mg/L		25-JUL-07	CVM	R553043
Arsenic (As)	0.0007		0.0004	mg/L		25-JUL-07	CVM	R553043
Boron (B)	<0.02		0.02	mg/L		25-JUL-07	CVM	R553043
Barium (Ba)	0.0462		0.0002	mg/L		25-JUL-07	CVM	R553043
Beryllium (Be)	<0.001		0.001	mg/L		25-JUL-07	CVM	R553043
Bismuth (Bi)	<0.0001		0.0001	mg/L		25-JUL-07	CVM	R553043
Cadmium (Cd)	0.0044		0.0002	mg/L		25-JUL-07	CVM	R553043
Cobalt (Co)	0.0081		0.0002	mg/L		25-JUL-07	CVM	R553043
Chromium (Cr)	<0.0008		0.0008	mg/L		25-JUL-07	CVM	R553043
Copper (Cu)	0.024		0.001	mg/L		25-JUL-07	CVM	R553043
Molybdenum (Mo)	0.0017		0.0001	mg/L		25-JUL-07	CVM	R553043
Nickel (Ni)	0.0773		0.0002	mg/L		25-JUL-07	CVM	R553043
Lead (Pb)	<0.0001		0.0001	mg/L		25-JUL-07	CVM	R553043
Antimony (Sb)	<0.0004		0.0004	mg/L		25-JUL-07	CVM	R553043
Selenium (Se)	0.0021		0.0004	mg/L		25-JUL-07	CVM	R553043
Tin (Sn)	<0.0004		0.0004	mg/L		25-JUL-07	CVM	R553043
Strontium (Sr)	0.135		0.0002	mg/L		25-JUL-07	CVM	R553043
Titanium (Ti)	<0.005		0.005	mg/L		25-JUL-07	CVM	R553043
Thallium (Tl)	<0.0001		0.0001	mg/L		25-JUL-07	CVM	R553043
Uranium (U)	0.0015		0.0001	mg/L		25-JUL-07	CVM	R553043
Vanadium (V)	0.0006		0.0002	mg/L		25-JUL-07	CVM	R553043
Zinc (Zn)	0.241		0.004	mg/L		25-JUL-07	CVM	R553043
Ultra-Low Metals - Dissolved								
Iron (Fe)	0.112		0.005	mg/L		26-JUL-07	SYF	R553864
Mercury (Hg)	<0.00002		0.00002	mg/L		19-JUL-07	DEO	R550926
Ultra-Low Metals - Dissolved								
Silver (Ag)	<0.0001		0.0001	mg/L		26-JUL-07	QLI	R553277
Aluminum (Al)	0.0227		0.0003	mg/L		26-JUL-07	QLI	R553277
Arsenic (As)	0.00012		0.00003	mg/L		26-JUL-07	QLI	R553277
Boron (B)	<0.001		0.001	mg/L		26-JUL-07	QLI	R553277
Barium (Ba)	0.0458		0.00005	mg/L		26-JUL-07	QLI	R553277
Beryllium (Be)	<0.0002		0.0002	mg/L		26-JUL-07	QLI	R553277
Calcium (Ca)	32.5		0.02	mg/L		26-JUL-07	QLI	R553277
Cadmium (Cd)	0.00388		0.00005	mg/L		26-JUL-07	QLI	R553277
Cobalt (Co)	0.0086		0.0001	mg/L		26-JUL-07	QLI	R553277
Chromium (Cr)	<0.00006		0.00006	mg/L		26-JUL-07	QLI	R553277
Copper (Cu)	0.0041		0.0006	mg/L		26-JUL-07	QLI	R553277
Potassium (K)	0.54		0.02	mg/L		26-JUL-07	QLI	R553277
Magnesium (Mg)	7.75		0.004	mg/L		26-JUL-07	QLI	R553277
Manganese (Mn)	0.117		0.0001	mg/L		26-JUL-07	QLI	R553277
Molybdenum (Mo)	0.00151		0.00006	mg/L		26-JUL-07	QLI	R553277
Sodium (Na)	0.694		0.005	mg/L		26-JUL-07	QLI	R553277
Nickel (Ni)	0.0809		0.00006	mg/L		26-JUL-07	QLI	R553277
Lead (Pb)	<0.00005		0.00005	mg/L		26-JUL-07	QLI	R553277

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Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	By	Batch
L530243-8 STATION 2								
Sampled By: KL/CS on 11-JUL-07								
Matrix: WATER								
Ultra-Low Metals - Dissolved								
Ultra-Low Metals - Dissolved								
Antimony (Sb)	0.00015		0.00003	mg/L		26-JUL-07	QLI	R553277
Selenium (Se)	0.0024		0.0001	mg/L		26-JUL-07	QLI	R553277
Strontium (Sr)	0.111		0.0001	mg/L		26-JUL-07	QLI	R553277
Uranium (U)	0.00007		0.00005	mg/L		26-JUL-07	QLI	R553277
Vanadium (V)	0.00006		0.00005	mg/L		26-JUL-07	QLI	R553277
Zinc (Zn)	0.216		0.0008	mg/L		26-JUL-07	QLI	R553277
Ammonia-N	0.009		0.005	mg/L		18-JUL-07	MCH/HZ	R549666
Bismuth (Bi)	<0.00003		0.00003	mg/L		26-JUL-07	QLI	R553277
Iron (Fe)-Extractable	0.42		0.05	mg/L		18-JUL-07	JWU	R550111
Lithium (Li)	0.0071		0.0001	mg/L		26-JUL-07	QLI	R553277
Lithium (Li)-Total	0.008		0.006	mg/L		25-JUL-07	CVM	R553043
Manganese (Mn)-Extractable	0.10		0.01	mg/L		18-JUL-07	JWU	R550111
Mercury (Hg)	<0.00002		0.00002	mg/L		19-JUL-07	DEO	R550926
Phosphorus, Total	0.012		0.001	mg/L		18-JUL-07	SHC/	R549997
Silicon (Si)-Dissolved	2.7		0.1	mg/L		26-JUL-07	SYF	R553864
Silicon (Si)-Total	2.6		0.1	mg/L		27-JUL-07	SYF	R553867
Tin (Sn)-Dissolved	<0.0001		0.0001	mg/L		26-JUL-07	QLI	R553277
Total Organic Carbon	1		1	mg/L		24-JUL-07	ZOW	R552351
Total Suspended Solids	14		3	mg/L		18-JUL-07	SVG	R549701
Turbidity	6.2		0.1	NTU		17-JUL-07	LD	R549071
Routine Water: Major Ions,F,Fe,Mn - Low								
Chloride (Cl)	<1		1	mg/L		17-JUL-07	LWW	R549067
Fluoride (F)	0.18		0.05	mg/L		17-JUL-07	CLT	R549563
ICP metals for routine water								
Calcium (Ca)	35.1		0.5	mg/L		17-JUL-07	JWU	R549280
Potassium (K)	0.7		0.1	mg/L		17-JUL-07	JWU	R549280
Magnesium (Mg)	8.6		0.1	mg/L		17-JUL-07	JWU	R549280
Sodium (Na)	<1		1	mg/L		17-JUL-07	JWU	R549280
Ion Balance Calculation								
Ion Balance	99.2			%		19-JUL-07		
TDS (Calculated)	157			mg/L		19-JUL-07		
Hardness (as CaCO3)	123			mg/L		19-JUL-07		
Nitrate+Nitrite-N	0.049		0.006	mg/L		16-JUL-07	FYG	R548901
Nitrate-N	0.049		0.006	mg/L		16-JUL-07	FYG	R548901
Nitrite-N	<0.002		0.002	mg/L		16-JUL-07	FYG	R548901
Sulphate (SO4)	98.1		0.05	mg/L		16-JUL-07	JTV	R546840
pH, Conductivity and Total Alkalinity								
pH	7.5		0.1	pH		17-JUL-07	CLT	R549563
Conductivity (EC)	256		0.2	uS/cm		17-JUL-07	CLT	R549563
Bicarbonate (HCO3)	27		5	mg/L		17-JUL-07	CLT	R549563
Carbonate (CO3)	<5		5	mg/L		17-JUL-07	CLT	R549563
Hydroxide (OH)	<5		5	mg/L		17-JUL-07	CLT	R549563
Alkalinity, Total (as CaCO3)	23		5	mg/L		17-JUL-07	CLT	R549563
L530243-9 STATION 3								
Sampled By: KL/CS on 11-JUL-07								
Matrix: WATER								
Total Metals								
Total Major Metals								

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Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	By	Batch
L530243-9 STATION 3								
Sampled By: KL/CS on 11-JUL-07								
Matrix: WATER								
Total Metals								
Total Major Metals								
Calcium (Ca)	8.7		0.5	mg/L		27-JUL-07	SYF	R553867
Potassium (K)	0.6		0.1	mg/L		27-JUL-07	SYF	R553867
Magnesium (Mg)	3.4		0.1	mg/L		27-JUL-07	SYF	R553867
Sodium (Na)	<1		1	mg/L		27-JUL-07	SYF	R553867
Iron (Fe)	0.708		0.005	mg/L		27-JUL-07	SYF	R553867
Manganese (Mn)	0.025		0.001	mg/L		27-JUL-07	SYF	R553867
Total Trace Metals (Low Level)								
Silver (Ag)	<0.0004		0.0004	mg/L		25-JUL-07	CVM	R553043
Aluminum (Al)	0.67		0.02	mg/L		25-JUL-07	CVM	R553043
Arsenic (As)	0.0007		0.0004	mg/L		25-JUL-07	CVM	R553043
Boron (B)	<0.02		0.02	mg/L		25-JUL-07	CVM	R553043
Barium (Ba)	0.0217		0.0002	mg/L		25-JUL-07	CVM	R553043
Beryllium (Be)	<0.001		0.001	mg/L		25-JUL-07	CVM	R553043
Bismuth (Bi)	<0.0001		0.0001	mg/L		25-JUL-07	CVM	R553043
Cadmium (Cd)	<0.0002		0.0002	mg/L		25-JUL-07	CVM	R553043
Cobalt (Co)	0.0009		0.0002	mg/L		25-JUL-07	CVM	R553043
Chromium (Cr)	<0.0008		0.0008	mg/L		25-JUL-07	CVM	R553043
Copper (Cu)	0.001		0.001	mg/L		25-JUL-07	CVM	R553043
Molybdenum (Mo)	0.0003		0.0001	mg/L		25-JUL-07	CVM	R553043
Nickel (Ni)	0.0035		0.0002	mg/L		25-JUL-07	CVM	R553043
Lead (Pb)	0.0003		0.0001	mg/L		25-JUL-07	CVM	R553043
Antimony (Sb)	<0.0004		0.0004	mg/L		25-JUL-07	CVM	R553043
Selenium (Se)	<0.0004		0.0004	mg/L		25-JUL-07	CVM	R553043
Tin (Sn)	<0.0004		0.0004	mg/L		25-JUL-07	CVM	R553043
Strontium (Sr)	0.0318		0.0002	mg/L		25-JUL-07	CVM	R553043
Titanium (Ti)	0.055		0.005	mg/L		25-JUL-07	CVM	R553043
Thallium (Tl)	<0.0001		0.0001	mg/L		25-JUL-07	CVM	R553043
Uranium (U)	0.0004		0.0001	mg/L		25-JUL-07	CVM	R553043
Vanadium (V)	0.0012		0.0002	mg/L		25-JUL-07	CVM	R553043
Zinc (Zn)	0.007		0.004	mg/L		25-JUL-07	CVM	R553043
Ultra-Low Metals - Dissolved								
Iron (Fe)	0.031		0.005	mg/L		26-JUL-07	SYF	R553864
Mercury (Hg)	<0.00002		0.00002	mg/L		19-JUL-07	DEO	R550926
Ultra-Low Metals - Dissolved								
Silver (Ag)	<0.0001		0.0001	mg/L		26-JUL-07	QLI	R553277
Aluminum (Al)	0.0365		0.0003	mg/L		26-JUL-07	QLI	R553277
Arsenic (As)	0.00029		0.00003	mg/L		26-JUL-07	QLI	R553277
Boron (B)	<0.001		0.001	mg/L		26-JUL-07	QLI	R553277
Barium (Ba)	0.0137		0.00005	mg/L		26-JUL-07	QLI	R553277
Beryllium (Be)	<0.0002		0.0002	mg/L		26-JUL-07	QLI	R553277
Calcium (Ca)	9.28		0.02	mg/L		26-JUL-07	QLI	R553277
Cadmium (Cd)	<0.00005		0.00005	mg/L		26-JUL-07	QLI	R553277
Cobalt (Co)	0.0005		0.0001	mg/L		26-JUL-07	QLI	R553277
Chromium (Cr)	<0.00006		0.00006	mg/L		26-JUL-07	QLI	R553277
Copper (Cu)	0.0007		0.0006	mg/L		26-JUL-07	QLI	R553277
Potassium (K)	0.35		0.02	mg/L		26-JUL-07	QLI	R553277
Magnesium (Mg)	3.84		0.004	mg/L		26-JUL-07	QLI	R553277
Manganese (Mn)	0.0134		0.0001	mg/L		26-JUL-07	QLI	R553277
Molybdenum (Mo)	0.00031		0.00006	mg/L		26-JUL-07	QLI	R553277
Sodium (Na)	0.427		0.005	mg/L		26-JUL-07	QLI	R553277

ALS LABORATORY GROUP ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	By	Batch
L530243-9 STATION 3								
Sampled By: KL/CS on 11-JUL-07								
Matrix: WATER								
Ultra-Low Metals - Dissolved								
Ultra-Low Metals - Dissolved								
Nickel (Ni)	0.00295		0.00006	mg/L		26-JUL-07	QLI	R553277
Lead (Pb)	<0.00005		0.00005	mg/L		26-JUL-07	QLI	R553277
Antimony (Sb)	0.00006		0.00003	mg/L		26-JUL-07	QLI	R553277
Selenium (Se)	<0.0001		0.0001	mg/L		26-JUL-07	QLI	R553277
Strontium (Sr)	0.0279		0.0001	mg/L		26-JUL-07	QLI	R553277
Uranium (U)	0.00024		0.00005	mg/L		26-JUL-07	QLI	R553277
Vanadium (V)	0.00009		0.00005	mg/L		26-JUL-07	QLI	R553277
Zinc (Zn)	0.0052		0.0008	mg/L		26-JUL-07	QLI	R553277
Ammonia-N	<0.005		0.005	mg/L		18-JUL-07	MCH/HZ	R549666
Bismuth (Bi)	<0.00003		0.00003	mg/L		26-JUL-07	QLI	R553277
Iron (Fe)-Extractable	<0.05		0.05	mg/L		18-JUL-07	JWU	R550111
Lithium (Li)	0.0017		0.0001	mg/L		26-JUL-07	QLI	R553277
Lithium (Li)-Total	<0.006		0.006	mg/L		25-JUL-07	CVM	R553043
Manganese (Mn)-Extractable	<0.01		0.01	mg/L		18-JUL-07	JWU	R550111
Mercury (Hg)	<0.00002		0.00002	mg/L		19-JUL-07	DEO	R550926
Phosphorus, Total	0.010		0.001	mg/L		18-JUL-07	SHC/	R549997
Silicon (Si)-Dissolved	1.2		0.1	mg/L		26-JUL-07	SYF	R553864
Silicon (Si)-Total	1.9		0.1	mg/L		27-JUL-07	SYF	R553867
Tin (Sn)-Dissolved	<0.0001		0.0001	mg/L		26-JUL-07	QLI	R553277
Total Organic Carbon	2		1	mg/L		24-JUL-07	ZOW	R552351
Total Suspended Solids	8		3	mg/L		18-JUL-07	SVG	R549701
Turbidity	6.4		0.1	NTU		17-JUL-07	LD	R549071
Routine Water: Major Ions,F,Fe,Mn - Low								
Chloride (Cl)	<1		1	mg/L		17-JUL-07	LWW	R549067
Fluoride (F)	0.05		0.05	mg/L		17-JUL-07	CLT	R549563
ICP metals for routine water								
Calcium (Ca)	9.9		0.5	mg/L		20-JUL-07	JWU	R551079
Potassium (K)	0.6		0.1	mg/L		20-JUL-07	JWU	R551079
Magnesium (Mg)	4.3		0.1	mg/L		20-JUL-07	JWU	R551079
Sodium (Na)	<1		1	mg/L		20-JUL-07	JWU	R551079
Ion Balance Calculation								
Ion Balance	Low EC			%		20-JUL-07		
TDS (Calculated)	49			mg/L		20-JUL-07		
Hardness (as CaCO3)	42			mg/L		20-JUL-07		
Nitrate+Nitrite-N	0.018		0.006	mg/L		16-JUL-07	FYG	R548901
Nitrate-N	0.015		0.006	mg/L		16-JUL-07	FYG	R548901
Nitrite-N	0.003		0.002	mg/L		16-JUL-07	FYG	R548901
Sulphate (SO4)	24.6		0.05	mg/L		16-JUL-07	JTV	R546840
pH, Conductivity and Total Alkalinity								
pH	7.6		0.1	pH		17-JUL-07	CLT	R549563
Conductivity (EC)	92.1		0.2	uS/cm		17-JUL-07	CLT	R549563
Bicarbonate (HCO3)	19		5	mg/L		17-JUL-07	CLT	R549563
Carbonate (CO3)	<5		5	mg/L		17-JUL-07	CLT	R549563
Hydroxide (OH)	<5		5	mg/L		17-JUL-07	CLT	R549563
Alkalinity, Total (as CaCO3)	16		5	mg/L		17-JUL-07	CLT	R549563

ALS LABORATORY GROUP ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	By	Batch
L530243-10 STATION 3 DUPLICATE								
Sampled By: KL/CS on 11-JUL-07								
Matrix: WATER								
Total Metals								
Total Major Metals								
Calcium (Ca)	8.8		0.5	mg/L		27-JUL-07	SYF	R553867
Potassium (K)	0.6		0.1	mg/L		27-JUL-07	SYF	R553867
Magnesium (Mg)	3.5		0.1	mg/L		27-JUL-07	SYF	R553867
Sodium (Na)	<1		1	mg/L		27-JUL-07	SYF	R553867
Iron (Fe)	0.746		0.005	mg/L		27-JUL-07	SYF	R553867
Manganese (Mn)	0.024		0.001	mg/L		27-JUL-07	SYF	R553867
Total Trace Metals (Low Level)								
Silver (Ag)	<0.0004		0.0004	mg/L		25-JUL-07	CVM	R553043
Aluminum (Al)	0.77		0.02	mg/L		25-JUL-07	CVM	R553043
Arsenic (As)	0.0007		0.0004	mg/L		25-JUL-07	CVM	R553043
Boron (B)	<0.02		0.02	mg/L		25-JUL-07	CVM	R553043
Barium (Ba)	0.0221		0.0002	mg/L		25-JUL-07	CVM	R553043
Beryllium (Be)	<0.001		0.001	mg/L		25-JUL-07	CVM	R553043
Bismuth (Bi)	<0.0001		0.0001	mg/L		25-JUL-07	CVM	R553043
Cadmium (Cd)	<0.0002		0.0002	mg/L		25-JUL-07	CVM	R553043
Cobalt (Co)	0.0008		0.0002	mg/L		25-JUL-07	CVM	R553043
Chromium (Cr)	<0.0008		0.0008	mg/L		25-JUL-07	CVM	R553043
Copper (Cu)	0.001		0.001	mg/L		25-JUL-07	CVM	R553043
Molybdenum (Mo)	0.0003		0.0001	mg/L		25-JUL-07	CVM	R553043
Nickel (Ni)	0.0030		0.0002	mg/L		25-JUL-07	CVM	R553043
Lead (Pb)	0.0003		0.0001	mg/L		25-JUL-07	CVM	R553043
Antimony (Sb)	<0.0004		0.0004	mg/L		25-JUL-07	CVM	R553043
Selenium (Se)	<0.0004		0.0004	mg/L		25-JUL-07	CVM	R553043
Tin (Sn)	<0.0004		0.0004	mg/L		25-JUL-07	CVM	R553043
Strontium (Sr)	0.0323		0.0002	mg/L		25-JUL-07	CVM	R553043
Titanium (Ti)	0.053		0.005	mg/L		25-JUL-07	CVM	R553043
Thallium (Tl)	<0.0001		0.0001	mg/L		25-JUL-07	CVM	R553043
Uranium (U)	0.0004		0.0001	mg/L		25-JUL-07	CVM	R553043
Vanadium (V)	0.0014		0.0002	mg/L		25-JUL-07	CVM	R553043
Zinc (Zn)	0.008		0.004	mg/L		25-JUL-07	CVM	R553043
Ultra-Low Metals - Dissolved								
Iron (Fe)	0.033		0.005	mg/L		26-JUL-07	SYF	R553864
Mercury (Hg)	<0.00002		0.00002	mg/L		19-JUL-07	DEO	R550926
Ultra-Low Metals - Dissolved								
Silver (Ag)	<0.0001		0.0001	mg/L		26-JUL-07	QLI	R553277
Aluminum (Al)	0.0351		0.0003	mg/L		26-JUL-07	QLI	R553277
Arsenic (As)	0.00029		0.00003	mg/L		26-JUL-07	QLI	R553277
Boron (B)	<0.001		0.001	mg/L		26-JUL-07	QLI	R553277
Barium (Ba)	0.0135		0.00005	mg/L		26-JUL-07	QLI	R553277
Beryllium (Be)	<0.0002		0.0002	mg/L		26-JUL-07	QLI	R553277
Calcium (Ca)	9.12		0.02	mg/L		26-JUL-07	QLI	R553277
Cadmium (Cd)	<0.00005		0.00005	mg/L		26-JUL-07	QLI	R553277
Cobalt (Co)	0.0005		0.0001	mg/L		26-JUL-07	QLI	R553277
Chromium (Cr)	<0.00006		0.00006	mg/L		26-JUL-07	QLI	R553277
Copper (Cu)	0.0007		0.0006	mg/L		26-JUL-07	QLI	R553277
Potassium (K)	0.34		0.02	mg/L		26-JUL-07	QLI	R553277
Magnesium (Mg)	3.73		0.004	mg/L		26-JUL-07	QLI	R553277
Manganese (Mn)	0.0132		0.0001	mg/L		26-JUL-07	QLI	R553277
Molybdenum (Mo)	0.00030		0.00006	mg/L		26-JUL-07	QLI	R553277
Sodium (Na)	0.419		0.005	mg/L		26-JUL-07	QLI	R553277

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Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	By	Batch
L530243-10 STATION 3 DUPLICATE								
Sampled By: KL/CS on 11-JUL-07								
Matrix: WATER								
Ultra-Low Metals - Dissolved								
Ultra-Low Metals - Dissolved								
Nickel (Ni)	0.00294		0.00006	mg/L		26-JUL-07	QLI	R553277
Lead (Pb)	<0.00005		0.00005	mg/L		26-JUL-07	QLI	R553277
Antimony (Sb)	0.00006		0.00003	mg/L		26-JUL-07	QLI	R553277
Selenium (Se)	<0.0001		0.0001	mg/L		26-JUL-07	QLI	R553277
Strontium (Sr)	0.0274		0.0001	mg/L		26-JUL-07	QLI	R553277
Uranium (U)	0.00024		0.00005	mg/L		26-JUL-07	QLI	R553277
Vanadium (V)	0.00008		0.00005	mg/L		26-JUL-07	QLI	R553277
Zinc (Zn)	0.0051		0.0008	mg/L		26-JUL-07	QLI	R553277
Ammonia-N	<0.005		0.005	mg/L		18-JUL-07	MCH/HZ	R549666
Bismuth (Bi)	<0.00003		0.00003	mg/L		26-JUL-07	QLI	R553277
Iron (Fe)-Extractable	<0.05		0.05	mg/L		18-JUL-07	JWU	R550111
Lithium (Li)	0.0019		0.0001	mg/L		26-JUL-07	QLI	R553277
Lithium (Li)-Total	<0.006		0.006	mg/L		25-JUL-07	CVM	R553043
Manganese (Mn)-Extractable	<0.01		0.01	mg/L		18-JUL-07	JWU	R550111
Mercury (Hg)	<0.00002		0.00002	mg/L		19-JUL-07	DEO	R550926
Phosphorus, Total	0.010		0.001	mg/L		18-JUL-07	SHC/	R549997
Silicon (Si)-Dissolved	1.3		0.1	mg/L		26-JUL-07	SYF	R553864
Silicon (Si)-Total	2.1		0.1	mg/L		27-JUL-07	SYF	R553867
Tin (Sn)-Dissolved	<0.0001		0.0001	mg/L		26-JUL-07	QLI	R553277
Total Organic Carbon	2		1	mg/L		24-JUL-07	ZOW	R552351
Total Suspended Solids	9		3	mg/L		18-JUL-07	SVG	R549701
Turbidity	6.5		0.1	NTU		17-JUL-07	LD	R549071
Routine Water: Major Ions,F,Fe,Mn - Low								
Chloride (Cl)	<1		1	mg/L		17-JUL-07	LWW	R549067
Fluoride (F)	0.05		0.05	mg/L		17-JUL-07	CLT	R549563
ICP metals for routine water								
Calcium (Ca)	9.8		0.5	mg/L		17-JUL-07	JWU	R549280
Potassium (K)	0.4		0.1	mg/L		17-JUL-07	JWU	R549280
Magnesium (Mg)	4.2		0.1	mg/L		17-JUL-07	JWU	R549280
Sodium (Na)	<1		1	mg/L		17-JUL-07	JWU	R549280
Ion Balance Calculation								
Ion Balance	Low EC			%		19-JUL-07		
TDS (Calculated)	52			mg/L		19-JUL-07		
Hardness (as CaCO3)	42			mg/L		19-JUL-07		
Nitrate+Nitrite-N	0.018		0.006	mg/L		16-JUL-07	FYG	R548901
Nitrate-N	0.015		0.006	mg/L		16-JUL-07	FYG	R548901
Nitrite-N	0.003		0.002	mg/L		16-JUL-07	FYG	R548901
Sulphate (SO4)	24.6		0.05	mg/L		16-JUL-07	JTV	R546840
pH, Conductivity and Total Alkalinity								
pH	7.5		0.1	pH		17-JUL-07	CLT	R549563
Conductivity (EC)	91.9		0.2	uS/cm		17-JUL-07	CLT	R549563
Bicarbonate (HCO3)	25		5	mg/L		17-JUL-07	CLT	R549563
Carbonate (CO3)	<5		5	mg/L		17-JUL-07	CLT	R549563
Hydroxide (OH)	<5		5	mg/L		17-JUL-07	CLT	R549563
Alkalinity, Total (as CaCO3)	21		5	mg/L		17-JUL-07	CLT	R549563

ALS LABORATORY GROUP ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	By	Batch
L530243-11 TRAVEL BLANK								
Sampled By: KL/CS								
Matrix: WATER								
Ultra-Low Metals - Dissolved								
Iron (Fe)	0.008		0.005	mg/L		26-JUL-07	SYF	R553864
Mercury (Hg)	<0.00002		0.00002	mg/L		19-JUL-07	DEO	R550926
Ultra-Low Metals - Dissolved								
Silver (Ag)	<0.0001		0.0001	mg/L		26-JUL-07	QLI	R553277
Aluminum (Al)	0.0003		0.0003	mg/L		26-JUL-07	QLI	R553277
Arsenic (As)	<0.00003		0.00003	mg/L		26-JUL-07	QLI	R553277
Boron (B)	<0.001		0.001	mg/L		26-JUL-07	QLI	R553277
Barium (Ba)	<0.00005		0.00005	mg/L		26-JUL-07	QLI	R553277
Beryllium (Be)	<0.0002		0.0002	mg/L		26-JUL-07	QLI	R553277
Calcium (Ca)	<0.02		0.02	mg/L		26-JUL-07	QLI	R553277
Cadmium (Cd)	<0.00005		0.00005	mg/L		26-JUL-07	QLI	R553277
Cobalt (Co)	<0.0001		0.0001	mg/L		26-JUL-07	QLI	R553277
Chromium (Cr)	<0.00006		0.00006	mg/L		26-JUL-07	QLI	R553277
Copper (Cu)	<0.0006		0.0006	mg/L		26-JUL-07	QLI	R553277
Potassium (K)	<0.02		0.02	mg/L		26-JUL-07	QLI	R553277
Magnesium (Mg)	<0.004		0.004	mg/L		26-JUL-07	QLI	R553277
Manganese (Mn)	<0.0001		0.0001	mg/L		26-JUL-07	QLI	R553277
Molybdenum (Mo)	<0.00006		0.00006	mg/L		26-JUL-07	QLI	R553277
Sodium (Na)	<0.005		0.005	mg/L		26-JUL-07	QLI	R553277
Nickel (Ni)	<0.00006		0.00006	mg/L		26-JUL-07	QLI	R553277
Lead (Pb)	<0.00005		0.00005	mg/L		26-JUL-07	QLI	R553277
Antimony (Sb)	<0.00003		0.00003	mg/L		26-JUL-07	QLI	R553277
Selenium (Se)	<0.0001		0.0001	mg/L		26-JUL-07	QLI	R553277
Strontium (Sr)	<0.0001		0.0001	mg/L		26-JUL-07	QLI	R553277
Uranium (U)	<0.00005		0.00005	mg/L		26-JUL-07	QLI	R553277
Vanadium (V)	<0.00005		0.00005	mg/L		26-JUL-07	QLI	R553277
Zinc (Zn)	<0.0008		0.0008	mg/L		26-JUL-07	QLI	R553277
Ultra-Low Metals								
Iron (Fe)	0.008		0.005	mg/L		26-JUL-07	SYF	R553864
Mercury (Hg)	<0.00002		0.00002	mg/L		19-JUL-07	DEO	R550926
Ultra-Low Metals								
Silver (Ag)	<0.0001		0.0001	mg/L		26-JUL-07	QLI	R553277
Aluminum (Al)	0.0006		0.0003	mg/L		26-JUL-07	QLI	R553277
Arsenic (As)	<0.00003		0.00003	mg/L		26-JUL-07	QLI	R553277
Boron (B)	<0.001		0.001	mg/L		26-JUL-07	QLI	R553277
Barium (Ba)	<0.00005		0.00005	mg/L		26-JUL-07	QLI	R553277
Beryllium (Be)	<0.0002		0.0002	mg/L		26-JUL-07	QLI	R553277
Calcium (Ca)	<0.02		0.02	mg/L		26-JUL-07	QLI	R553277
Cadmium (Cd)	<0.00005		0.00005	mg/L		26-JUL-07	QLI	R553277
Cobalt (Co)	<0.0001		0.0001	mg/L		26-JUL-07	QLI	R553277
Chromium (Cr)	<0.00006		0.00006	mg/L		26-JUL-07	QLI	R553277
Copper (Cu)	<0.0006		0.0006	mg/L		26-JUL-07	QLI	R553277
Potassium (K)	<0.02		0.02	mg/L		26-JUL-07	QLI	R553277
Magnesium (Mg)	<0.004		0.004	mg/L		26-JUL-07	QLI	R553277
Manganese (Mn)	<0.0001		0.0001	mg/L		26-JUL-07	QLI	R553277
Molybdenum (Mo)	<0.00006		0.00006	mg/L		26-JUL-07	QLI	R553277
Sodium (Na)	<0.005		0.005	mg/L		26-JUL-07	QLI	R553277
Nickel (Ni)	<0.00006		0.00006	mg/L		26-JUL-07	QLI	R553277
Lead (Pb)	<0.00005		0.00005	mg/L		26-JUL-07	QLI	R553277
Antimony (Sb)	<0.00003		0.00003	mg/L		26-JUL-07	QLI	R553277
Selenium (Se)	<0.0001		0.0001	mg/L		26-JUL-07	QLI	R553277

ALS LABORATORY GROUP ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	By	Batch
L530243-11 TRAVEL BLANK								
Sampled By: KL/CS								
Matrix: WATER								
Ultra-Low Metals								
Ultra-Low Metals								
Strontium (Sr)	<0.0001		0.0001	mg/L		26-JUL-07	QLI	R553277
Uranium (U)	<0.00005		0.00005	mg/L		26-JUL-07	QLI	R553277
Vanadium (V)	<0.00005		0.00005	mg/L		26-JUL-07	QLI	R553277
Zinc (Zn)	<0.0008		0.0008	mg/L		26-JUL-07	QLI	R553277
Ammonia-N	0.011	RRV	0.005	mg/L		26-JUL-07	HZH	R553445
Bismuth (Bi)	<0.00003		0.00003	mg/L		26-JUL-07	QLI	R553277
Bismuth (Bi)	<0.00003		0.00003	mg/L		26-JUL-07	QLI	R553277
Iron (Fe)-Extractable	<0.05		0.05	mg/L		18-JUL-07	JWU	R550111
Lithium (Li)	<0.0001		0.0001	mg/L		26-JUL-07	QLI	R553277
Lithium (Li)	<0.0001		0.0001	mg/L		26-JUL-07	QLI	R553277
Manganese (Mn)-Extractable	<0.01		0.01	mg/L		18-JUL-07	JWU	R550111
Phosphorus, Total	<0.001		0.001	mg/L		18-JUL-07	SHC/	R549997
Silicon (Si)-Dissolved	<0.1		0.1	mg/L		26-JUL-07	SYF	R553864
Silicon (Si)-Total	<0.1		0.1	mg/L		26-JUL-07	SYF	R553864
Tin (Sn)-Total	<0.0001		0.0001	mg/L		26-JUL-07	QLI	R553277
Tin (Sn)-Dissolved	<0.0001		0.0001	mg/L		26-JUL-07	QLI	R553277
Total Organic Carbon	<1		1	mg/L		24-JUL-07	ZOW	R552351
Total Suspended Solids	<3		3	mg/L		18-JUL-07	SVG	R549701
Turbidity	<0.1		0.1	NTU		17-JUL-07	LD	R549071
Routine Water: Major Ions,F,Fe,Mn - Low								
Chloride (Cl)	<1		1	mg/L		17-JUL-07	LWW	R549067
Fluoride (F)	<0.05		0.05	mg/L		17-JUL-07	CLT	R549563
ICP metals for routine water								
Calcium (Ca)	<0.5		0.5	mg/L		17-JUL-07	JWU	R549280
Potassium (K)	<0.1		0.1	mg/L		17-JUL-07	JWU	R549280
Magnesium (Mg)	<0.1		0.1	mg/L		17-JUL-07	JWU	R549280
Sodium (Na)	<1		1	mg/L		17-JUL-07	JWU	R549280
Ion Balance Calculation								
Ion Balance	Low TDS			%		19-JUL-07		
TDS (Calculated)	<1			mg/L		19-JUL-07		
Hardness (as CaCO3)	<1			mg/L		19-JUL-07		
Nitrate+Nitrite-N	<0.006		0.006	mg/L		16-JUL-07	FYG	R548901
Nitrate-N	<0.006		0.006	mg/L		16-JUL-07	FYG	R548901
Nitrite-N	<0.002		0.002	mg/L		16-JUL-07	FYG	R548901
Sulphate (SO4)	<0.05		0.05	mg/L		16-JUL-07	JTV	R546840
pH, Conductivity and Total Alkalinity								
pH	5.7		0.1	pH		17-JUL-07	CLT	R549563
Conductivity (EC)	0.5		0.2	uS/cm		17-JUL-07	CLT	R549563
Bicarbonate (HCO3)	<5		5	mg/L		17-JUL-07	CLT	R549563
Carbonate (CO3)	<5		5	mg/L		17-JUL-07	CLT	R549563
Hydroxide (OH)	<5		5	mg/L		17-JUL-07	CLT	R549563
Alkalinity, Total (as CaCO3)	<5		5	mg/L		17-JUL-07	CLT	R549563
L530243-12 FIELD BLANK								
Sampled By: KL/CS								
Matrix: WATER								
Ultra-Low Metals - Dissolved								
Iron (Fe)	0.008		0.005	mg/L		26-JUL-07	SYF	R553864

ALS LABORATORY GROUP ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	By	Batch
L530243-12 FIELD BLANK								
Sampled By: KL/CS								
Matrix: WATER								
Ultra-Low Metals - Dissolved								
Mercury (Hg)	<0.00002		0.00002	mg/L		19-JUL-07	DEO	R550926
Ultra-Low Metals - Dissolved								
Silver (Ag)	<0.0001		0.0001	mg/L		26-JUL-07	QLI	R553277
Aluminum (Al)	<0.0003		0.0003	mg/L		26-JUL-07	QLI	R553277
Arsenic (As)	<0.00003		0.00003	mg/L		26-JUL-07	QLI	R553277
Boron (B)	<0.001		0.001	mg/L		26-JUL-07	QLI	R553277
Barium (Ba)	0.00011		0.00005	mg/L		26-JUL-07	QLI	R553277
Beryllium (Be)	<0.0002		0.0002	mg/L		26-JUL-07	QLI	R553277
Calcium (Ca)	0.12	RRVAP	0.02	mg/L		26-JUL-07	QLI	R553277
Cadmium (Cd)	<0.00005		0.00005	mg/L		26-JUL-07	QLI	R553277
Cobalt (Co)	<0.0001		0.0001	mg/L		26-JUL-07	QLI	R553277
Chromium (Cr)	<0.00006		0.00006	mg/L		26-JUL-07	QLI	R553277
Copper (Cu)	<0.0006		0.0006	mg/L		26-JUL-07	QLI	R553277
Potassium (K)	<0.02		0.02	mg/L		26-JUL-07	QLI	R553277
Magnesium (Mg)	<0.004		0.004	mg/L		26-JUL-07	QLI	R553277
Manganese (Mn)	0.0001		0.0001	mg/L		26-JUL-07	QLI	R553277
Molybdenum (Mo)	<0.00006		0.00006	mg/L		26-JUL-07	QLI	R553277
Sodium (Na)	0.457	RRVAP	0.005	mg/L		26-JUL-07	QLI	R553277
Nickel (Ni)	0.00017		0.00006	mg/L		26-JUL-07	QLI	R553277
Lead (Pb)	<0.00005		0.00005	mg/L		26-JUL-07	QLI	R553277
Antimony (Sb)	<0.00003		0.00003	mg/L		26-JUL-07	QLI	R553277
Selenium (Se)	<0.0001		0.0001	mg/L		26-JUL-07	QLI	R553277
Strontium (Sr)	0.0001		0.0001	mg/L		26-JUL-07	QLI	R553277
Uranium (U)	<0.00005		0.00005	mg/L		26-JUL-07	QLI	R553277
Vanadium (V)	<0.00005		0.00005	mg/L		26-JUL-07	QLI	R553277
Zinc (Zn)	0.0020		0.0008	mg/L		26-JUL-07	QLI	R553277
Ultra-Low Metals								
Iron (Fe)	0.007		0.005	mg/L		26-JUL-07	SYF	R553864
Mercury (Hg)	<0.00002		0.00002	mg/L		19-JUL-07	DEO	R550926
Ultra-Low Metals								
Silver (Ag)	<0.0001		0.0001	mg/L		26-JUL-07	QLI	R553277
Aluminum (Al)	0.0004		0.0003	mg/L		26-JUL-07	QLI	R553277
Arsenic (As)	<0.00003		0.00003	mg/L		26-JUL-07	QLI	R553277
Boron (B)	<0.001		0.001	mg/L		26-JUL-07	QLI	R553277
Barium (Ba)	0.00011		0.00005	mg/L		26-JUL-07	QLI	R553277
Beryllium (Be)	<0.0002		0.0002	mg/L		26-JUL-07	QLI	R553277
Calcium (Ca)	0.07	RRVAP	0.02	mg/L		26-JUL-07	QLI	R553277
Cadmium (Cd)	<0.00005		0.00005	mg/L		26-JUL-07	QLI	R553277
Cobalt (Co)	<0.0001		0.0001	mg/L		26-JUL-07	QLI	R553277
Chromium (Cr)	<0.00006		0.00006	mg/L		26-JUL-07	QLI	R553277
Copper (Cu)	<0.0006		0.0006	mg/L		26-JUL-07	QLI	R553277
Potassium (K)	<0.02		0.02	mg/L		26-JUL-07	QLI	R553277
Magnesium (Mg)	<0.004		0.004	mg/L		26-JUL-07	QLI	R553277
Manganese (Mn)	<0.0001		0.0001	mg/L		26-JUL-07	QLI	R553277
Molybdenum (Mo)	<0.00006		0.00006	mg/L		26-JUL-07	QLI	R553277
Sodium (Na)	0.442	RRVAP	0.005	mg/L		26-JUL-07	QLI	R553277
Nickel (Ni)	<0.00006		0.00006	mg/L		26-JUL-07	QLI	R553277
Lead (Pb)	<0.00005		0.00005	mg/L		26-JUL-07	QLI	R553277
Antimony (Sb)	<0.00003		0.00003	mg/L		26-JUL-07	QLI	R553277
Selenium (Se)	<0.0001		0.0001	mg/L		26-JUL-07	QLI	R553277
Strontium (Sr)	<0.0001		0.0001	mg/L		26-JUL-07	QLI	R553277

ALS LABORATORY GROUP ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	By	Batch
L530243-12 FIELD BLANK								
Sampled By: KL/CS								
Matrix: WATER								
Ultra-Low Metals								
Ultra-Low Metals								
Uranium (U)	<0.00005		0.00005	mg/L		26-JUL-07	QLI	R553277
Vanadium (V)	<0.00005		0.00005	mg/L		26-JUL-07	QLI	R553277
Zinc (Zn)	<0.0008		0.0008	mg/L		26-JUL-07	QLI	R553277
Ammonia-N	<0.005		0.005	mg/L		18-JUL-07	MCH/HZ	R549666
Bismuth (Bi)	<0.00003		0.00003	mg/L		26-JUL-07	QLI	R553277
Bismuth (Bi)	<0.00003		0.00003	mg/L		26-JUL-07	QLI	R553277
Iron (Fe)-Extractable	<0.05		0.05	mg/L		18-JUL-07	JWU	R550111
Lithium (Li)	<0.0001		0.0001	mg/L		26-JUL-07	QLI	R553277
Lithium (Li)	<0.0001		0.0001	mg/L		26-JUL-07	QLI	R553277
Manganese (Mn)-Extractable	<0.01		0.01	mg/L		18-JUL-07	JWU	R550111
Phosphorus, Total	<0.001		0.001	mg/L		18-JUL-07	SHC/	R549997
Silicon (Si)-Dissolved	0.1		0.1	mg/L		26-JUL-07	SYF	R553864
Silicon (Si)-Total	0.1		0.1	mg/L		26-JUL-07	SYF	R553864
Tin (Sn)-Total	0.0004		0.0001	mg/L		26-JUL-07	QLI	R553277
Tin (Sn)-Dissolved	<0.0001		0.0001	mg/L		26-JUL-07	QLI	R553277
Total Organic Carbon	<1		1	mg/L		24-JUL-07	ZOW	R552351
Total Suspended Solids	<3		3	mg/L		18-JUL-07	SVG	R549701
Turbidity	<0.1		0.1	NTU		17-JUL-07	LD	R549071
Routine Water: Major Ions,F,Fe,Mn - Low								
Chloride (Cl)	<1		1	mg/L		17-JUL-07	LWW	R549067
Fluoride (F)	<0.05		0.05	mg/L		17-JUL-07	CLT	R549563
ICP metals for routine water								
Calcium (Ca)	<0.5		0.5	mg/L		17-JUL-07	JWU	R549280
Potassium (K)	<0.1		0.1	mg/L		19-JUL-07	JWU	R550341
Magnesium (Mg)	<0.1		0.1	mg/L		17-JUL-07	JWU	R549280
Sodium (Na)	<1		1	mg/L		17-JUL-07	JWU	R549280
Ion Balance Calculation								
Ion Balance	Low TDS			%		20-JUL-07		
TDS (Calculated)	<1			mg/L		20-JUL-07		
Hardness (as CaCO3)	<1			mg/L		20-JUL-07		
Nitrate+Nitrite-N	<0.006		0.006	mg/L		16-JUL-07	FYG	R548901
Nitrate-N	<0.006		0.006	mg/L		16-JUL-07	FYG	R548901
Nitrite-N	<0.002		0.002	mg/L		16-JUL-07	FYG	R548901
Sulphate (SO4)	<0.05		0.05	mg/L		16-JUL-07	JTV	R546840
pH, Conductivity and Total Alkalinity								
pH	6.5		0.1	pH		17-JUL-07	CLT	R549563
Conductivity (EC)	1.9		0.2	uS/cm		17-JUL-07	CLT	R549563
Bicarbonate (HCO3)	<5		5	mg/L		17-JUL-07	CLT	R549563
Carbonate (CO3)	<5		5	mg/L		17-JUL-07	CLT	R549563
Hydroxide (OH)	<5		5	mg/L		17-JUL-07	CLT	R549563
Alkalinity, Total (as CaCO3)	<5		5	mg/L		17-JUL-07	CLT	R549563
L530243-13 FILTER BLANK								
Sampled By: KL/CS								
Matrix: WATER								
Ultra-Low Metals - Dissolved								
Iron (Fe)	0.007		0.005	mg/L		26-JUL-07	SYF	R553864
Mercury (Hg)	<0.00002		0.00002	mg/L		19-JUL-07	DEO	R550926

ALS LABORATORY GROUP ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	By	Batch
L530243-13 FILTER BLANK								
Sampled By: KL/CS								
Matrix: WATER								
Ultra-Low Metals - Dissolved								
Ultra-Low Metals - Dissolved								
Silver (Ag)	<0.0001		0.0001	mg/L		26-JUL-07	QLI	R553277
Aluminum (Al)	<0.0003		0.0003	mg/L		26-JUL-07	QLI	R553277
Arsenic (As)	<0.00003		0.00003	mg/L		26-JUL-07	QLI	R553277
Boron (B)	<0.001		0.001	mg/L		26-JUL-07	QLI	R553277
Barium (Ba)	0.00005		0.00005	mg/L		26-JUL-07	QLI	R553277
Beryllium (Be)	<0.0002		0.0002	mg/L		26-JUL-07	QLI	R553277
Calcium (Ca)	0.12		0.02	mg/L		26-JUL-07	QLI	R553277
Cadmium (Cd)	<0.00005		0.00005	mg/L		26-JUL-07	QLI	R553277
Cobalt (Co)	<0.0001		0.0001	mg/L		26-JUL-07	QLI	R553277
Chromium (Cr)	<0.00006		0.00006	mg/L		26-JUL-07	QLI	R553277
Copper (Cu)	<0.0006		0.0006	mg/L		26-JUL-07	QLI	R553277
Potassium (K)	<0.02		0.02	mg/L		26-JUL-07	QLI	R553277
Magnesium (Mg)	<0.004		0.004	mg/L		26-JUL-07	QLI	R553277
Manganese (Mn)	0.0001		0.0001	mg/L		26-JUL-07	QLI	R553277
Molybdenum (Mo)	<0.00006		0.00006	mg/L		26-JUL-07	QLI	R553277
Sodium (Na)	0.045		0.005	mg/L		26-JUL-07	QLI	R553277
Nickel (Ni)	0.00015		0.00006	mg/L		26-JUL-07	QLI	R553277
Lead (Pb)	<0.00005		0.00005	mg/L		26-JUL-07	QLI	R553277
Antimony (Sb)	<0.00003		0.00003	mg/L		26-JUL-07	QLI	R553277
Selenium (Se)	<0.0001		0.0001	mg/L		26-JUL-07	QLI	R553277
Strontium (Sr)	0.0001		0.0001	mg/L		26-JUL-07	QLI	R553277
Uranium (U)	<0.00005		0.00005	mg/L		26-JUL-07	QLI	R553277
Vanadium (V)	<0.00005		0.00005	mg/L		26-JUL-07	QLI	R553277
Zinc (Zn)	0.0029		0.0008	mg/L		26-JUL-07	QLI	R553277
Bismuth (Bi)	<0.00003		0.00003	mg/L		26-JUL-07	QLI	R553277
Lithium (Li)	<0.0001		0.0001	mg/L		26-JUL-07	QLI	R553277
Silicon (Si)-Dissolved	<0.1		0.1	mg/L		26-JUL-07	SYF	R553864
Tin (Sn)-Dissolved	<0.0001		0.0001	mg/L		26-JUL-07	QLI	R553277

* 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)
BI-ULTRA-DIS-ED	Water	Bismuth (Bi)-Dissolved		EPA 6020
BI-ULTRA-ED	Water	Bismuth (Bi)		EPA 6020
C-TOT-ORG-ED	Water	Total Organic Carbon		APHA 5310 B-Instrumental
CL-ED	Water	Chloride (Cl)		APHA 4500 Cl E-Colorimetry
ETL-ROUTINE-LOW-ED	Water	ICP metals for routine water		APHA 3120 B-ICP/OES
F-ED	Water	Fluoride (F)		APHA 4500 F-C-Electrode
FE-EXT-ROU-ED	Water	Iron (Fe)-Extractable		APHA 3120 B-ICP-OES
HG-ULT-CV-ED	Water	Mercury (Hg)	APHA 3112B	APHA 3112 B
HG-ULT-DIS-CV-ED	Water	Mercury (Hg) - Dissolved	APHA 3112B	APHA 3112 B
IONBALANCE-ED	Water	Ion Balance Calculation		APHA 1030E
LI-TOT-LOW-ED	Water	Lithium (Li)-Total	EPA3015	EPA 6020
LI-ULTRA-DIS-ED	Water	Lithium (Li)-Dissolved		EPA 6020
LI-ULTRA-ED	Water	Lithium (Li)		EPA 6020
MET1-TOT-LOW-ED	Water	Total Trace Metals (Low Level)	EPA3015	EPA 6020
MET1-ULTRA-DIS-ED	Water	Ultra-Low Metals - Dissolved		EPA 6020
MET1-ULTRA-ED	Water	Ultra-Low Metals		EPA 6020
MET2-TOT-LOW-ED	Water	Total Major Metals	EPA3015	EPA 200.7
MET2-ULTRA-DIS-ED	Water	Major Metals - Dissolved		EPA 200.7
MET2-ULTRA-ED	Water	Major Metals		EPA 200.7
MN-EXT-ROU-ED	Water	Manganese (Mn)-Extractable		APHA 3120 B-ICP-OES
N2N3-LOW-ED	Water	Nitrate+Nitrite-N		APHA 4500 NO3E-Colorimetry
NH4-LOW-ED	Water	Ammonia-N		APHA 4500 NH3F-Colorimetry
NO2-LOW-ED	Water	Nitrite-N		APHA 4500 NO2B-Colorimetry
NO3-LOW-ED	Water	Nitrate-N		APHA 4500 NO3H-Colorimetry
P-TOTAL-LOW-ED	Water	Phosphorus, Total		APHA 4500 P B,E-Auto-Colorimetry
PH/EC/ALK-ED	Water	pH, Conductivity and Total Alkalinity		APHA 4500-H, 2510, 2320
SI-DIS-ED	Water	Silicon (Si)-Dissolved		EPA 200.7
SI-TOT-ED	Water	Silicon (Si)-Total	EPA3015	EPA 200.7
SN-ULTRA-DIS-ED	Water	Tin (Sn)-Dissolved		EPA 6020
SN-ULTRA-ED	Water	Tin (Sn)		EPA 6020
SO4-LOW-ED	Water	Sulfate (SO4)		APHA 4110 B-Ion Chromatography
SOLIDS-TOTSUS-ED	Water	Total Suspended Solids		APHA 2540 D-Gravimetric

Reference Information

TURBIDITY-ED	Water	Turbidity	APHA 2130 B-Nephelometer

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

Chain of Custody numbers:

A071264 A071270

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.

ANALYTICAL REPORT

EBA ENG CONSULTANTS LTD

ATTN: STEVE MOORE

201- 4916 49 STREET
PO BOX 2244
YELLOWKNIFE NT X1A 2P7

Reported On: 31-AUG-07 04:38 PM

Lab Work Order #: **L544077** **Date Received:** **20-AUG-07**

Project P.O. #:
Job Reference: MACTUNG
Legal Site Desc:
CofC Numbers: A073235, A073236

Other Information:

Comments: L544077-4; Analysis for total metals was changed from ultra-low level to low level as sample contained too many suspended solids.

CHARLES LEBLANC
General Manager, Edmonton

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

CATHERINE EVARISTO-CORDERO

ALS LABORATORY GROUP CHEMICAL ANALYSIS REPORT

Lab ID	Sample ID	Test Description	Result	Qual.	D.L.	Units	Extracted	Analyzed	By
L544077-1	WQ STATION 4								
Sampled By:	NOT PROVIDED on 14-AUG-07								
Matrix:	WATER								
	Ultra-Low Metals - Dissolved								
	Ultra-Low Metals - Dissolved								
		Aluminum (Al)	0.0357		0.0003	mg/L		24-AUG-07	QLI
		Antimony (Sb)	0.00007		0.00003	mg/L		24-AUG-07	QLI
		Arsenic (As)	0.00020		0.00003	mg/L		24-AUG-07	QLI
		Barium (Ba)	0.0264		0.00005	mg/L		24-AUG-07	QLI
		Beryllium (Be)	<0.0002		0.0002	mg/L		24-AUG-07	QLI
		Boron (B)	0.003		0.001	mg/L		24-AUG-07	QLI
		Cadmium (Cd)	0.00128		0.00005	mg/L		24-AUG-07	QLI
		Calcium (Ca)	18.2		0.02	mg/L		24-AUG-07	QLI
		Chromium (Cr)	<0.00006		0.00006	mg/L		24-AUG-07	QLI
		Cobalt (Co)	0.0031		0.0001	mg/L		24-AUG-07	QLI
		Copper (Cu)	0.0017		0.0006	mg/L		24-AUG-07	QLI
		Lead (Pb)	<0.00005		0.00005	mg/L		24-AUG-07	QLI
		Magnesium (Mg)	5.86		0.004	mg/L		24-AUG-07	QLI
		Manganese (Mn)	0.0424		0.0001	mg/L		24-AUG-07	QLI
		Molybdenum (Mo)	0.00057		0.00006	mg/L		24-AUG-07	QLI
		Nickel (Ni)	0.0293		0.00006	mg/L		24-AUG-07	QLI
		Potassium (K)	0.44		0.02	mg/L		24-AUG-07	QLI
		Selenium (Se)	0.0010		0.0001	mg/L		24-AUG-07	QLI
		Silver (Ag)	<0.0001		0.0001	mg/L		24-AUG-07	QLI
		Sodium (Na)	0.623		0.005	mg/L		24-AUG-07	QLI
		Strontium (Sr)	0.0607		0.0001	mg/L		24-AUG-07	QLI
		Uranium (U)	0.00006		0.00005	mg/L		24-AUG-07	QLI
		Vanadium (V)	<0.00005		0.00005	mg/L		24-AUG-07	QLI
		Zinc (Zn)	0.0709		0.0008	mg/L		24-AUG-07	QLI
		Iron (Fe)	0.015		0.005	mg/L		24-AUG-07	HAS
		Mercury (Hg)	<0.00002		0.00002	mg/L		30-AUG-07	DEO
	Ultra-Low Metals								
	Ultra-Low Metals								
		Aluminum (Al)	1.09		0.0003	mg/L		24-AUG-07	QLI
		Antimony (Sb)	0.00008		0.00003	mg/L		24-AUG-07	QLI
		Arsenic (As)	0.00054		0.00003	mg/L		24-AUG-07	QLI
		Barium (Ba)	0.0317		0.00005	mg/L		24-AUG-07	QLI
		Beryllium (Be)	<0.0002		0.0002	mg/L		24-AUG-07	QLI
		Boron (B)	0.003		0.001	mg/L		24-AUG-07	QLI
		Cadmium (Cd)	0.00139		0.00005	mg/L		24-AUG-07	QLI
		Calcium (Ca)	18.4		0.02	mg/L		24-AUG-07	QLI
		Chromium (Cr)	0.00029		0.00006	mg/L		24-AUG-07	QLI
		Cobalt (Co)	0.0033		0.0001	mg/L		24-AUG-07	QLI
		Copper (Cu)	0.0089		0.0006	mg/L		24-AUG-07	QLI
		Lead (Pb)	0.00024		0.00005	mg/L		24-AUG-07	QLI
		Magnesium (Mg)	5.96		0.004	mg/L		24-AUG-07	QLI
		Manganese (Mn)	0.0478		0.0001	mg/L		24-AUG-07	QLI
		Molybdenum (Mo)	0.00044		0.00006	mg/L		24-AUG-07	QLI
		Nickel (Ni)	0.0300		0.00006	mg/L		24-AUG-07	QLI
		Potassium (K)	0.56		0.02	mg/L		24-AUG-07	QLI
		Selenium (Se)	0.0009		0.0001	mg/L		24-AUG-07	QLI
		Silver (Ag)	<0.0001		0.0001	mg/L		24-AUG-07	QLI
		Sodium (Na)	0.611		0.005	mg/L		24-AUG-07	QLI
		Strontium (Sr)	0.0544		0.0001	mg/L		24-AUG-07	QLI
		Uranium (U)	0.00086		0.00005	mg/L		24-AUG-07	QLI
		Vanadium (V)	0.00108		0.00005	mg/L		24-AUG-07	QLI
		Zinc (Zn)	0.0933		0.0008	mg/L		24-AUG-07	QLI

ALS LABORATORY GROUP CHEMICAL ANALYSIS REPORT

Lab ID	Sample ID	Test Description	Result	Qual.	D.L.	Units	Extracted	Analyzed	By
L544077-1	WQ STATION 4								
Sampled By:	NOT PROVIDED on 14-AUG-07								
Matrix:	WATER								
	Ultra-Low Metals								
		Iron (Fe)	0.678		0.005	mg/L		24-AUG-07	HAS
		Mercury (Hg)	<0.00002		0.00002	mg/L		30-AUG-07	DEO
	Routine Water: Major Ions,F,Fe,Mn - Low								
	ICP metals for routine water								
		Calcium (Ca)	18.9		0.5	mg/L		21-AUG-07	WYA
		Magnesium (Mg)	6.0		0.1	mg/L		21-AUG-07	WYA
		Potassium (K)	0.5		0.1	mg/L		21-AUG-07	WYA
		Sodium (Na)	<1		1	mg/L		21-AUG-07	WYA
	Ion Balance Calculation								
		Hardness (as CaCO3)	72			mg/L		22-AUG-07	
		Ion Balance	93.0			%		22-AUG-07	
		TDS (Calculated)	92			mg/L		22-AUG-07	
	pH, Conductivity and Total Alkalinity								
		Alkalinity, Total (as CaCO3)	20		5	mg/L		21-AUG-07	CLT
		Bicarbonate (HCO3)	25		5	mg/L		21-AUG-07	CLT
		Carbonate (CO3)	<5		5	mg/L		21-AUG-07	CLT
		Conductivity (EC)	166		0.2	uS/cm		21-AUG-07	CLT
		Hydroxide (OH)	<5		5	mg/L		21-AUG-07	CLT
		pH	7.5		0.1	pH		21-AUG-07	CLT
		Chloride (Cl)	<1		1	mg/L		21-AUG-07	BOC
		Fluoride (F)	0.10		0.05	mg/L		21-AUG-07	CLT
		Nitrate+Nitrite-N	0.017		0.006	mg/L		21-AUG-07	FYG
		Nitrate-N	0.017		0.006	mg/L		21-AUG-07	FYG
		Nitrite-N	<0.002		0.002	mg/L		21-AUG-07	FYG
		Sulphate (SO4)	54.9		0.05	mg/L		21-AUG-07	JTV
	Dissolved Metals								
		Silicon (Si)-Dissolved	1.7		0.1	mg/L		24-AUG-07	HAS
	Inorganic approval & RPD chain								
		Iron (Fe)-Extractable	0.17		0.05	mg/L		21-AUG-07	JWU
		Manganese (Mn)-Extractable	0.04		0.01	mg/L		21-AUG-07	JWU
	Total Metals								
		Silicon (Si)-Total	2.1		0.1	mg/L		24-AUG-07	HAS
		Ammonia-N	0.007		0.005	mg/L		22-AUG-07	HZH
		Bismuth (Bi)	<0.00003		0.00003	mg/L		24-AUG-07	QLI
		Bismuth (Bi)	<0.00003		0.00003	mg/L		24-AUG-07	QLI
		Lithium (Li)	0.0046		0.0001	mg/L		24-AUG-07	QLI
		Lithium (Li)	0.0038		0.0001	mg/L		24-AUG-07	QLI
		Phosphorus, Total	0.010		0.001	mg/L		22-AUG-07	FYG
		Tin (Sn)-Total	<0.0001		0.0001	mg/L		24-AUG-07	QLI
		Tin (Sn)-Dissolved	<0.0001		0.0001	mg/L		24-AUG-07	QLI
		Total Organic Carbon	1		1	mg/L		21-AUG-07	ZOW
		Total Suspended Solids	5		3	mg/L		22-AUG-07	SVG
		Turbidity	3.4		0.1	NTU		21-AUG-07	LD
L544077-2	WQ STATION 1								
Sampled By:	NOT PROVIDED on 17-AUG-07								
Matrix:	WATER								
	Ultra-Low Metals - Dissolved								
	Ultra-Low Metals - Dissolved								
		Aluminum (Al)	0.0624		0.0003	mg/L		24-AUG-07	QLI
		Antimony (Sb)	0.00028		0.00003	mg/L		24-AUG-07	QLI

ALS LABORATORY GROUP CHEMICAL ANALYSIS REPORT

Lab ID	Sample ID	Test Description	Result	Qual.	D.L.	Units	Extracted	Analyzed	By
L544077-2	WQ STATION 1								
Sampled By:	NOT PROVIDED on 17-AUG-07								
Matrix:	WATER								
	Ultra-Low Metals - Dissolved								
	Ultra-Low Metals - Dissolved								
		Arsenic (As)	0.00066		0.00003	mg/L		24-AUG-07	QLI
		Barium (Ba)	0.0447		0.00005	mg/L		24-AUG-07	QLI
		Beryllium (Be)	<0.0002		0.0002	mg/L		24-AUG-07	QLI
		Boron (B)	0.007		0.001	mg/L		24-AUG-07	QLI
		Cadmium (Cd)	0.00130		0.00005	mg/L		24-AUG-07	QLI
		Calcium (Ca)	56.3		0.02	mg/L		24-AUG-07	QLI
		Chromium (Cr)	<0.00006		0.00006	mg/L		24-AUG-07	QLI
		Cobalt (Co)	0.0025		0.0001	mg/L		24-AUG-07	QLI
		Copper (Cu)	0.0017		0.0006	mg/L		24-AUG-07	QLI
		Lead (Pb)	<0.00005		0.00005	mg/L		24-AUG-07	QLI
		Magnesium (Mg)	4.99		0.004	mg/L		24-AUG-07	QLI
		Manganese (Mn)	0.0384		0.0001	mg/L		24-AUG-07	QLI
		Molybdenum (Mo)	0.00398		0.00006	mg/L		24-AUG-07	QLI
		Nickel (Ni)	0.0314		0.00006	mg/L		24-AUG-07	QLI
		Potassium (K)	1.12		0.02	mg/L		24-AUG-07	QLI
		Selenium (Se)	0.0042		0.0001	mg/L		24-AUG-07	QLI
		Silver (Ag)	<0.0001		0.0001	mg/L		24-AUG-07	QLI
		Sodium (Na)	2.08		0.005	mg/L		24-AUG-07	QLI
		Strontium (Sr)	0.161		0.0001	mg/L		24-AUG-07	QLI
		Uranium (U)	0.00196		0.00005	mg/L		24-AUG-07	QLI
		Vanadium (V)	0.00041		0.00005	mg/L		24-AUG-07	QLI
		Zinc (Zn)	0.0804		0.0008	mg/L		24-AUG-07	QLI
		Iron (Fe)	<0.005		0.005	mg/L		24-AUG-07	HAS
		Mercury (Hg)	<0.00002		0.00002	mg/L		30-AUG-07	DEO
	Ultra-Low Metals								
	Ultra-Low Metals								
		Aluminum (Al)	0.729		0.0003	mg/L		24-AUG-07	QLI
		Antimony (Sb)	0.00030		0.00003	mg/L		24-AUG-07	QLI
		Arsenic (As)	0.00111		0.00003	mg/L		24-AUG-07	QLI
		Barium (Ba)	0.0454		0.00005	mg/L		24-AUG-07	QLI
		Beryllium (Be)	<0.0002		0.0002	mg/L		24-AUG-07	QLI
		Boron (B)	0.007		0.001	mg/L		24-AUG-07	QLI
		Cadmium (Cd)	0.00144		0.00005	mg/L		24-AUG-07	QLI
		Calcium (Ca)	57.0		0.02	mg/L		24-AUG-07	QLI
		Chromium (Cr)	<0.00006		0.00006	mg/L		24-AUG-07	QLI
		Cobalt (Co)	0.0027		0.0001	mg/L		24-AUG-07	QLI
		Copper (Cu)	0.0089		0.0006	mg/L		24-AUG-07	QLI
		Lead (Pb)	<0.00005		0.00005	mg/L		24-AUG-07	QLI
		Magnesium (Mg)	4.98		0.004	mg/L		24-AUG-07	QLI
		Manganese (Mn)	0.0396		0.0001	mg/L		24-AUG-07	QLI
		Molybdenum (Mo)	0.00362		0.00006	mg/L		24-AUG-07	QLI
		Nickel (Ni)	0.0325		0.00006	mg/L		24-AUG-07	QLI
		Potassium (K)	1.15		0.02	mg/L		24-AUG-07	QLI
		Selenium (Se)	0.0035		0.0001	mg/L		24-AUG-07	QLI
		Silver (Ag)	<0.0001		0.0001	mg/L		24-AUG-07	QLI
		Sodium (Na)	2.07		0.005	mg/L		24-AUG-07	QLI
		Strontium (Sr)	0.143		0.0001	mg/L		24-AUG-07	QLI
		Uranium (U)	0.00358		0.00005	mg/L		24-AUG-07	QLI
		Vanadium (V)	0.00062		0.00005	mg/L		24-AUG-07	QLI
		Zinc (Zn)	0.134		0.0008	mg/L		24-AUG-07	QLI
		Iron (Fe)	0.075		0.005	mg/L		24-AUG-07	HAS
		Mercury (Hg)	<0.00002		0.00002	mg/L		30-AUG-07	DEO

ALS LABORATORY GROUP CHEMICAL ANALYSIS REPORT

Lab ID	Sample ID	Test Description	Result	Qual.	D.L.	Units	Extracted	Analyzed	By
L544077-2	WQ STATION 1								
Sampled By:	NOT PROVIDED on 17-AUG-07								
Matrix:	WATER								
	Routine Water: Major Ions,F,Fe,Mn - Low								
	ICP metals for routine water								
		Calcium (Ca)	59.4		0.5	mg/L		21-AUG-07	WYA
		Magnesium (Mg)	4.8		0.1	mg/L		21-AUG-07	WYA
		Potassium (K)	1.0		0.1	mg/L		21-AUG-07	WYA
		Sodium (Na)	2		1	mg/L		21-AUG-07	WYA
	Ion Balance Calculation								
		Hardness (as CaCO3)	168			mg/L		24-AUG-07	
		Ion Balance	101			%		24-AUG-07	
		TDS (Calculated)	215			mg/L		24-AUG-07	
	pH, Conductivity and Total Alkalinity								
		Alkalinity, Total (as CaCO3)	50		5	mg/L		21-AUG-07	CLT
		Bicarbonate (HCO3)	61		5	mg/L		21-AUG-07	CLT
		Carbonate (CO3)	<5		5	mg/L		21-AUG-07	CLT
		Conductivity (EC)	345		0.2	uS/cm		21-AUG-07	CLT
		Hydroxide (OH)	<5		5	mg/L		21-AUG-07	CLT
		pH	7.8		0.1	pH		21-AUG-07	CLT
		Chloride (Cl)	<1		1	mg/L		21-AUG-07	BOC
		Fluoride (F)	0.26		0.05	mg/L		21-AUG-07	CLT
		Nitrate+Nitrite-N	0.031		0.006	mg/L		21-AUG-07	FYG
		Nitrate-N	0.031		0.006	mg/L		21-AUG-07	FYG
		Nitrite-N	<0.002		0.002	mg/L		21-AUG-07	FYG
		Sulphate (SO4)	117		0.05	mg/L		22-AUG-07	JTV
	Dissolved Metals								
		Silicon (Si)-Dissolved	3.3		0.1	mg/L		24-AUG-07	HAS
	Inorganic approval & RPD chain								
		Iron (Fe)-Extractable	<0.05		0.05	mg/L		21-AUG-07	JWU
		Manganese (Mn)-Extractable	0.03		0.01	mg/L		21-AUG-07	JWU
	Total Metals								
		Silicon (Si)-Total	3.6		0.1	mg/L		24-AUG-07	HAS
		Ammonia-N	<0.005		0.005	mg/L		22-AUG-07	HZH
		Bismuth (Bi)	<0.00003		0.00003	mg/L		24-AUG-07	QLI
		Bismuth (Bi)	<0.00003		0.00003	mg/L		24-AUG-07	QLI
		Lithium (Li)	0.0038		0.0001	mg/L		24-AUG-07	QLI
		Lithium (Li)	0.0039		0.0001	mg/L		24-AUG-07	QLI
		Phosphorus, Total	0.003		0.001	mg/L		22-AUG-07	FYG
		Tin (Sn)-Total	<0.0001		0.0001	mg/L		24-AUG-07	QLI
		Tin (Sn)-Dissolved	<0.0001		0.0001	mg/L		24-AUG-07	QLI
		Total Organic Carbon	<1		1	mg/L		21-AUG-07	ZOW
		Total Suspended Solids	3		3	mg/L		22-AUG-07	SVG
		Turbidity	0.70		0.1	NTU		21-AUG-07	LD
L544077-3	WQ STATION 2								
Sampled By:	NOT PROVIDED on 17-AUG-07								
Matrix:	WATER								
	Ultra-Low Metals - Dissolved								
	Ultra-Low Metals - Dissolved								
		Aluminum (Al)	0.0230		0.0003	mg/L		24-AUG-07	QLI
		Antimony (Sb)	0.00013		0.00003	mg/L		24-AUG-07	QLI
		Arsenic (As)	0.00010		0.00003	mg/L		24-AUG-07	QLI
		Barium (Ba)	0.0510		0.00005	mg/L		24-AUG-07	QLI
		Beryllium (Be)	<0.0002		0.0002	mg/L		24-AUG-07	QLI

ALS LABORATORY GROUP CHEMICAL ANALYSIS REPORT

Lab ID	Sample ID	Test Description	Result	Qual.	D.L.	Units	Extracted	Analyzed	By
L544077-3	WQ STATION 2								
Sampled By:	NOT PROVIDED on 17-AUG-07								
Matrix:	WATER								
	Ultra-Low Metals - Dissolved								
	Ultra-Low Metals - Dissolved								
		Boron (B)	0.003		0.001	mg/L		24-AUG-07	QLI
		Cadmium (Cd)	0.00585		0.00005	mg/L		24-AUG-07	QLI
		Calcium (Ca)	37.6		0.02	mg/L		24-AUG-07	QLI
		Chromium (Cr)	<0.00006		0.00006	mg/L		24-AUG-07	QLI
		Cobalt (Co)	0.0137		0.0001	mg/L		24-AUG-07	QLI
		Copper (Cu)	0.0108		0.0006	mg/L		24-AUG-07	QLI
		Lead (Pb)	<0.00005		0.00005	mg/L		24-AUG-07	QLI
		Magnesium (Mg)	9.50		0.004	mg/L		24-AUG-07	QLI
		Manganese (Mn)	0.134		0.0001	mg/L		24-AUG-07	QLI
		Molybdenum (Mo)	0.00108		0.00006	mg/L		24-AUG-07	QLI
		Nickel (Ni)	0.126		0.00006	mg/L		24-AUG-07	QLI
		Potassium (K)	0.64		0.02	mg/L		24-AUG-07	QLI
		Selenium (Se)	0.0027		0.0001	mg/L		24-AUG-07	QLI
		Silver (Ag)	<0.0001		0.0001	mg/L		24-AUG-07	QLI
		Sodium (Na)	0.921		0.005	mg/L		24-AUG-07	QLI
		Strontium (Sr)	0.124		0.0001	mg/L		24-AUG-07	QLI
		Uranium (U)	0.00010		0.00005	mg/L		24-AUG-07	QLI
		Vanadium (V)	<0.00005		0.00005	mg/L		24-AUG-07	QLI
		Zinc (Zn)	0.355		0.0008	mg/L		24-AUG-07	QLI
		Iron (Fe)	0.132		0.005	mg/L		24-AUG-07	HAS
		Mercury (Hg)	<0.00002		0.00002	mg/L		30-AUG-07	DEO
	Ultra-Low Metals								
	Ultra-Low Metals								
		Aluminum (Al)	4.16		0.0003	mg/L		24-AUG-07	QLI
		Antimony (Sb)	0.00015		0.00003	mg/L		24-AUG-07	QLI
		Arsenic (As)	0.00030		0.00003	mg/L		24-AUG-07	QLI
		Barium (Ba)	0.0518		0.00005	mg/L		24-AUG-07	QLI
		Beryllium (Be)	0.0003		0.0002	mg/L		24-AUG-07	QLI
		Boron (B)	0.002		0.001	mg/L		24-AUG-07	QLI
		Cadmium (Cd)	0.00622		0.00005	mg/L		24-AUG-07	QLI
		Calcium (Ca)	37.3		0.02	mg/L		24-AUG-07	QLI
		Chromium (Cr)	0.00066		0.00006	mg/L		24-AUG-07	QLI
		Cobalt (Co)	0.0136		0.0001	mg/L		24-AUG-07	QLI
		Copper (Cu)	0.0378		0.0006	mg/L		24-AUG-07	QLI
		Lead (Pb)	<0.00005		0.00005	mg/L		24-AUG-07	QLI
		Magnesium (Mg)	9.52		0.004	mg/L		24-AUG-07	QLI
		Manganese (Mn)	0.136		0.0001	mg/L		24-AUG-07	QLI
		Molybdenum (Mo)	0.00103		0.00006	mg/L		24-AUG-07	QLI
		Nickel (Ni)	0.126		0.00006	mg/L		24-AUG-07	QLI
		Potassium (K)	0.64		0.02	mg/L		24-AUG-07	QLI
		Selenium (Se)	0.0018		0.0001	mg/L		24-AUG-07	QLI
		Silver (Ag)	<0.0001		0.0001	mg/L		24-AUG-07	QLI
		Sodium (Na)	0.927		0.005	mg/L		24-AUG-07	QLI
		Strontium (Sr)	0.0887		0.0001	mg/L		24-AUG-07	QLI
		Uranium (U)	0.00228		0.00005	mg/L		24-AUG-07	QLI
		Vanadium (V)	0.00126		0.00005	mg/L		24-AUG-07	QLI
		Zinc (Zn)	0.398		0.0008	mg/L		24-AUG-07	QLI
		Iron (Fe)	1.22		0.005	mg/L		24-AUG-07	HAS
		Mercury (Hg)	<0.00002		0.00002	mg/L		30-AUG-07	DEO
	Routine Water: Major Ions,F,Fe,Mn - Low								
	ICP metals for routine water								
		Calcium (Ca)	38.6		0.5	mg/L		21-AUG-07	WYA

ALS LABORATORY GROUP CHEMICAL ANALYSIS REPORT

Lab ID	Sample ID	Test Description	Result	Qual.	D.L.	Units	Extracted	Analyzed	By
L544077-3	WQ STATION 2								
Sampled By:	NOT PROVIDED on 17-AUG-07								
Matrix:	WATER								
		Routine Water: Major Ions,F,Fe,Mn - Low							
		ICP metals for routine water							
		Magnesium (Mg)	9.6		0.1	mg/L		21-AUG-07	WYA
		Potassium (K)	0.5		0.1	mg/L		21-AUG-07	WYA
		Sodium (Na)	<1		1	mg/L		21-AUG-07	WYA
		Ion Balance Calculation							
		Hardness (as CaCO3)	136			mg/L		24-AUG-07	
		Ion Balance	98.7			%		24-AUG-07	
		TDS (Calculated)	177			mg/L		24-AUG-07	
		pH, Conductivity and Total Alkalinity							
		Alkalinity, Total (as CaCO3)	10		5	mg/L		21-AUG-07	CLT
		Bicarbonate (HCO3)	13		5	mg/L		21-AUG-07	CLT
		Carbonate (CO3)	<5		5	mg/L		21-AUG-07	CLT
		Conductivity (EC)	294		0.2	uS/cm		21-AUG-07	CLT
		Hydroxide (OH)	<5		5	mg/L		21-AUG-07	CLT
		pH	6.9		0.1	pH		21-AUG-07	CLT
		Chloride (Cl)	<1		1	mg/L		21-AUG-07	BOC
		Fluoride (F)	0.17		0.05	mg/L		21-AUG-07	CLT
		Nitrate+Nitrite-N	0.046		0.006	mg/L		21-AUG-07	FYG
		Nitrate-N	0.046		0.006	mg/L		21-AUG-07	FYG
		Nitrite-N	<0.002		0.002	mg/L		21-AUG-07	FYG
		Sulphate (SO4)	122		0.05	mg/L		22-AUG-07	JTV
		Dissolved Metals							
		Silicon (Si)-Dissolved	3.2		0.1	mg/L		24-AUG-07	HAS
		Inorganic approval & RPD chain							
		Iron (Fe)-Extractable	0.32		0.05	mg/L		21-AUG-07	JWU
		Manganese (Mn)-Extractable	0.13		0.01	mg/L		21-AUG-07	JWU
		Total Metals							
		Silicon (Si)-Total	3.6		0.1	mg/L		24-AUG-07	HAS
		Ammonia-N	0.007		0.005	mg/L		22-AUG-07	HZH
		Bismuth (Bi)	<0.00003		0.00003	mg/L		24-AUG-07	QLI
		Bismuth (Bi)	<0.00003		0.00003	mg/L		24-AUG-07	QLI
		Lithium (Li)	0.0091		0.0001	mg/L		24-AUG-07	QLI
		Lithium (Li)	0.0092		0.0001	mg/L		24-AUG-07	QLI
		Phosphorus, Total	0.018		0.001	mg/L		22-AUG-07	FYG
		Tin (Sn)-Total	<0.0001		0.0001	mg/L		24-AUG-07	QLI
		Tin (Sn)-Dissolved	<0.0001		0.0001	mg/L		24-AUG-07	QLI
		Total Organic Carbon	<1		1	mg/L		21-AUG-07	ZOW
		Total Suspended Solids	22		3	mg/L		22-AUG-07	SVG
		Turbidity	0.80		0.1	NTU		21-AUG-07	LD
L544077-4	WQ STATION 3								
Sampled By:	NOT PROVIDED on 17-AUG-07								
Matrix:	WATER								
		Total Metals							
		Total Major Metals							
		Calcium (Ca)	8.9		0.5	mg/L		27-AUG-07	HAS
		Iron (Fe)	1.38		0.005	mg/L		27-AUG-07	HAS
		Magnesium (Mg)	3.7		0.1	mg/L		27-AUG-07	HAS
		Manganese (Mn)	0.035		0.001	mg/L		27-AUG-07	HAS
		Potassium (K)	1.0		0.1	mg/L		27-AUG-07	HAS
		Sodium (Na)	<1		1	mg/L		27-AUG-07	HAS

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Lab ID	Sample ID	Test Description	Result	Qual.	D.L.	Units	Extracted	Analyzed	By
L544077-4	WQ STATION 3								
Sampled By:	NOT PROVIDED on 17-AUG-07								
Matrix:	WATER								
	Total Metals								
	Total Trace Metals (Low Level)								
		Aluminum (Al)	1.09		0.02	mg/L		28-AUG-07	CVM
		Antimony (Sb)	<0.0004		0.0004	mg/L		28-AUG-07	CVM
		Arsenic (As)	0.0010		0.0004	mg/L		28-AUG-07	CVM
		Barium (Ba)	0.0264		0.0002	mg/L		28-AUG-07	CVM
		Beryllium (Be)	<0.001		0.001	mg/L		28-AUG-07	CVM
		Bismuth (Bi)	0.0001		0.0001	mg/L		28-AUG-07	CVM
		Boron (B)	<0.02		0.02	mg/L		28-AUG-07	CVM
		Cadmium (Cd)	<0.0002		0.0002	mg/L		28-AUG-07	CVM
		Chromium (Cr)	<0.0008		0.0008	mg/L		28-AUG-07	CVM
		Cobalt (Co)	0.0007		0.0002	mg/L		28-AUG-07	CVM
		Copper (Cu)	0.001		0.001	mg/L		28-AUG-07	CVM
		Lead (Pb)	0.0006		0.0001	mg/L		28-AUG-07	CVM
		Molybdenum (Mo)	0.0003		0.0001	mg/L		28-AUG-07	CVM
		Nickel (Ni)	0.0023		0.0002	mg/L		28-AUG-07	CVM
		Selenium (Se)	<0.0004		0.0004	mg/L		28-AUG-07	CVM
		Silver (Ag)	<0.0004		0.0004	mg/L		28-AUG-07	CVM
		Strontium (Sr)	0.0330		0.0002	mg/L		28-AUG-07	CVM
		Thallium (Tl)	<0.0001		0.0001	mg/L		28-AUG-07	CVM
		Tin (Sn)	<0.0004		0.0004	mg/L		28-AUG-07	CVM
		Titanium (Ti)	0.114		0.005	mg/L		28-AUG-07	CVM
		Uranium (U)	0.0004		0.0001	mg/L		28-AUG-07	CVM
		Vanadium (V)	0.0024		0.0002	mg/L		28-AUG-07	CVM
		Zinc (Zn)	0.012		0.004	mg/L		28-AUG-07	CVM
	Ultra-Low Metals - Dissolved								
	Ultra-Low Metals - Dissolved								
		Aluminum (Al)	0.0381		0.0003	mg/L		24-AUG-07	QLI
		Antimony (Sb)	0.00004		0.00003	mg/L		24-AUG-07	QLI
		Arsenic (As)	0.00027		0.00003	mg/L		24-AUG-07	QLI
		Barium (Ba)	0.0112		0.00005	mg/L		24-AUG-07	QLI
		Beryllium (Be)	<0.0002		0.0002	mg/L		24-AUG-07	QLI
		Boron (B)	0.003		0.001	mg/L		24-AUG-07	QLI
		Cadmium (Cd)	<0.00005		0.00005	mg/L		24-AUG-07	QLI
		Calcium (Ca)	7.77		0.02	mg/L		24-AUG-07	QLI
		Chromium (Cr)	<0.00006		0.00006	mg/L		24-AUG-07	QLI
		Cobalt (Co)	0.0003		0.0001	mg/L		24-AUG-07	QLI
		Copper (Cu)	<0.0006		0.0006	mg/L		24-AUG-07	QLI
		Lead (Pb)	<0.00005		0.00005	mg/L		24-AUG-07	QLI
		Magnesium (Mg)	3.08		0.004	mg/L		24-AUG-07	QLI
		Manganese (Mn)	0.0112		0.0001	mg/L		24-AUG-07	QLI
		Molybdenum (Mo)	0.00025		0.00006	mg/L		24-AUG-07	QLI
		Nickel (Ni)	0.00187		0.00006	mg/L		24-AUG-07	QLI
		Potassium (K)	0.35		0.02	mg/L		24-AUG-07	QLI
		Selenium (Se)	0.0001		0.0001	mg/L		24-AUG-07	QLI
		Silver (Ag)	<0.0001		0.0001	mg/L		24-AUG-07	QLI
		Sodium (Na)	0.383		0.005	mg/L		24-AUG-07	QLI
		Strontium (Sr)	0.0257		0.0001	mg/L		24-AUG-07	QLI
		Uranium (U)	0.00020		0.00005	mg/L		24-AUG-07	QLI
		Vanadium (V)	0.00009		0.00005	mg/L		24-AUG-07	QLI
		Zinc (Zn)	0.0035		0.0008	mg/L		24-AUG-07	QLI
	Iron (Fe)		0.023		0.005	mg/L		24-AUG-07	HAS
	Mercury (Hg)		<0.00002		0.00002	mg/L		30-AUG-07	DEO
	Routine Water: Major Ions,F,Fe,Mn - Low								

ALS LABORATORY GROUP CHEMICAL ANALYSIS REPORT

Lab ID	Sample ID	Test Description	Result	Qual.	D.L.	Units	Extracted	Analyzed	By
L544077-4	WQ STATION 3								
Sampled By:	NOT PROVIDED on 17-AUG-07								
Matrix:	WATER								
		Routine Water: Major Ions,F,Fe,Mn - Low							
		ICP metals for routine water							
		Calcium (Ca)	8.3		0.5	mg/L		21-AUG-07	WYA
		Magnesium (Mg)	3.2		0.1	mg/L		21-AUG-07	WYA
		Potassium (K)	0.6		0.1	mg/L		21-AUG-07	WYA
		Sodium (Na)	<1		1	mg/L		21-AUG-07	WYA
		Ion Balance Calculation							
		Hardness (as CaCO3)	34			mg/L		22-AUG-07	
		Ion Balance	Low EC			%		22-AUG-07	
		TDS (Calculated)	40			mg/L		22-AUG-07	
		pH, Conductivity and Total Alkalinity							
		Alkalinity, Total (as CaCO3)	13		5	mg/L		21-AUG-07	CLT
		Bicarbonate (HCO3)	16		5	mg/L		21-AUG-07	CLT
		Carbonate (CO3)	<5		5	mg/L		21-AUG-07	CLT
		Conductivity (EC)	80.5		0.2	uS/cm		21-AUG-07	CLT
		Hydroxide (OH)	<5		5	mg/L		21-AUG-07	CLT
		pH	7.4		0.1	pH		21-AUG-07	CLT
		Chloride (Cl)	<1		1	mg/L		21-AUG-07	BOC
		Fluoride (F)	0.05		0.05	mg/L		21-AUG-07	CLT
		Nitrate+Nitrite-N	<0.006		0.006	mg/L		21-AUG-07	FYG
		Nitrate-N	<0.006		0.006	mg/L		21-AUG-07	FYG
		Nitrite-N	0.004		0.002	mg/L		21-AUG-07	FYG
		Sulphate (SO4)	20.3		0.05	mg/L		21-AUG-07	JTV
		Dissolved Metals							
		Silicon (Si)-Dissolved	1.0		0.1	mg/L		24-AUG-07	HAS
		Inorganic approval & RPD chain							
		Iron (Fe)-Extractable	<0.05		0.05	mg/L		21-AUG-07	JWU
		Manganese (Mn)-Extractable	<0.01		0.01	mg/L		21-AUG-07	JWU
		Total Metals							
		Silicon (Si)-Total	3.4		0.1	mg/L		27-AUG-07	HAS
		Total Trace Metals (Low Level)							
		Lithium (Li)-Total	<0.006		0.006	mg/L		28-AUG-07	CVM
		Ammonia-N	<0.005		0.005	mg/L		22-AUG-07	HZH
		Bismuth (Bi)	<0.00003		0.00003	mg/L		24-AUG-07	QLI
		Lithium (Li)	0.0017		0.0001	mg/L		24-AUG-07	QLI
		Mercury (Hg)	<0.00002		0.00002	mg/L		30-AUG-07	DEO
		Phosphorus, Total	0.014		0.001	mg/L		22-AUG-07	FYG
		Tin (Sn)-Dissolved	<0.0001		0.0001	mg/L		24-AUG-07	QLI
		Total Organic Carbon	1		1	mg/L		21-AUG-07	ZOW
		Total Suspended Solids	17		3	mg/L		22-AUG-07	SVG
		Turbidity	10		0.1	NTU		21-AUG-07	LD
L544077-5	WQ STATION 5								
Sampled By:	NOT PROVIDED on 17-AUG-07								
Matrix:	WATER								
		Ultra-Low Metals - Dissolved							
		Ultra-Low Metals - Dissolved							
		Aluminum (Al)	0.0098		0.0003	mg/L		24-AUG-07	QLI
		Antimony (Sb)	0.00022		0.00003	mg/L		24-AUG-07	QLI
		Arsenic (As)	0.00096		0.00003	mg/L		24-AUG-07	QLI
		Barium (Ba)	0.0462		0.00005	mg/L		24-AUG-07	QLI
		Beryllium (Be)	<0.0002		0.0002	mg/L		24-AUG-07	QLI

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Lab ID	Sample ID	Test Description	Result	Qual.	D.L.	Units	Extracted	Analyzed	By
L544077-5	WQ STATION 5								
Sampled By:	NOT PROVIDED on 17-AUG-07								
Matrix:	WATER								
	Ultra-Low Metals - Dissolved								
	Ultra-Low Metals - Dissolved								
		Boron (B)	<0.001		0.001	mg/L		24-AUG-07	QLI
		Cadmium (Cd)	0.00024		0.00005	mg/L		24-AUG-07	QLI
		Calcium (Ca)	29.5		0.02	mg/L		24-AUG-07	QLI
		Chromium (Cr)	0.00015		0.00006	mg/L		24-AUG-07	QLI
		Cobalt (Co)	0.0001		0.0001	mg/L		24-AUG-07	QLI
		Copper (Cu)	<0.0006		0.0006	mg/L		24-AUG-07	QLI
		Lead (Pb)	<0.00005		0.00005	mg/L		24-AUG-07	QLI
		Magnesium (Mg)	3.84		0.004	mg/L		24-AUG-07	QLI
		Manganese (Mn)	0.0075		0.0001	mg/L		24-AUG-07	QLI
		Molybdenum (Mo)	0.00197		0.00006	mg/L		24-AUG-07	QLI
		Nickel (Ni)	0.00575		0.00006	mg/L		24-AUG-07	QLI
		Potassium (K)	0.72		0.02	mg/L		24-AUG-07	QLI
		Selenium (Se)	0.0016		0.0001	mg/L		24-AUG-07	QLI
		Silver (Ag)	<0.0001		0.0001	mg/L		24-AUG-07	QLI
		Sodium (Na)	0.503		0.005	mg/L		24-AUG-07	QLI
		Strontium (Sr)	0.0926		0.0001	mg/L		24-AUG-07	QLI
		Uranium (U)	0.00165		0.00005	mg/L		24-AUG-07	QLI
		Vanadium (V)	0.00008		0.00005	mg/L		24-AUG-07	QLI
		Zinc (Zn)	0.0147		0.0008	mg/L		24-AUG-07	QLI
		Iron (Fe)	0.044		0.005	mg/L		24-AUG-07	HAS
		Mercury (Hg)	<0.00002		0.00002	mg/L		30-AUG-07	DEO
	Ultra-Low Metals								
	Ultra-Low Metals								
		Aluminum (Al)	0.0199		0.0003	mg/L		24-AUG-07	QLI
		Antimony (Sb)	0.00022		0.00003	mg/L		24-AUG-07	QLI
		Arsenic (As)	0.00129		0.00003	mg/L		24-AUG-07	QLI
		Barium (Ba)	0.0463		0.00005	mg/L		24-AUG-07	QLI
		Beryllium (Be)	<0.0002		0.0002	mg/L		24-AUG-07	QLI
		Boron (B)	<0.001		0.001	mg/L		24-AUG-07	QLI
		Cadmium (Cd)	0.00027		0.00005	mg/L		24-AUG-07	QLI
		Calcium (Ca)	29.1		0.02	mg/L		24-AUG-07	QLI
		Chromium (Cr)	0.00018		0.00006	mg/L		24-AUG-07	QLI
		Cobalt (Co)	0.0002		0.0001	mg/L		24-AUG-07	QLI
		Copper (Cu)	0.0006		0.0006	mg/L		24-AUG-07	QLI
		Lead (Pb)	<0.00005		0.00005	mg/L		24-AUG-07	QLI
		Magnesium (Mg)	3.82		0.004	mg/L		24-AUG-07	QLI
		Manganese (Mn)	0.0076		0.0001	mg/L		24-AUG-07	QLI
		Molybdenum (Mo)	0.00202		0.00006	mg/L		24-AUG-07	QLI
		Nickel (Ni)	0.00552		0.00006	mg/L		24-AUG-07	QLI
		Potassium (K)	0.72		0.02	mg/L		24-AUG-07	QLI
		Selenium (Se)	0.0015		0.0001	mg/L		24-AUG-07	QLI
		Silver (Ag)	<0.0001		0.0001	mg/L		24-AUG-07	QLI
		Sodium (Na)	0.490		0.005	mg/L		24-AUG-07	QLI
		Strontium (Sr)	0.0913		0.0001	mg/L		24-AUG-07	QLI
		Uranium (U)	0.00169		0.00005	mg/L		24-AUG-07	QLI
		Vanadium (V)	0.00021		0.00005	mg/L		24-AUG-07	QLI
		Zinc (Zn)	0.0127		0.0008	mg/L		24-AUG-07	QLI
		Iron (Fe)	0.105		0.005	mg/L		24-AUG-07	HAS
		Mercury (Hg)	<0.00002		0.00002	mg/L		30-AUG-07	DEO
	Routine Water: Major Ions,F,Fe,Mn - Low								
	ICP metals for routine water								
		Calcium (Ca)	30.5		0.5	mg/L		21-AUG-07	WYA

ALS LABORATORY GROUP CHEMICAL ANALYSIS REPORT

Lab ID	Sample ID	Test Description	Result	Qual.	D.L.	Units	Extracted	Analyzed	By
L544077-5	WQ STATION 5								
Sampled By:	NOT PROVIDED on 17-AUG-07								
Matrix:	WATER								
		Routine Water: Major Ions,F,Fe,Mn - Low							
		ICP metals for routine water							
		Magnesium (Mg)	3.8		0.1	mg/L		21-AUG-07	WYA
		Potassium (K)	0.7		0.1	mg/L		21-AUG-07	WYA
		Sodium (Na)	<1		1	mg/L		21-AUG-07	WYA
		Ion Balance Calculation							
		Hardness (as CaCO3)	92			mg/L		22-AUG-07	
		Ion Balance	95.8			%		22-AUG-07	
		TDS (Calculated)	112			mg/L		22-AUG-07	
		pH, Conductivity and Total Alkalinity							
		Alkalinity, Total (as CaCO3)	43		5	mg/L		21-AUG-07	CLT
		Bicarbonate (HCO3)	53		5	mg/L		21-AUG-07	CLT
		Carbonate (CO3)	<5		5	mg/L		21-AUG-07	CLT
		Conductivity (EC)	199		0.2	uS/cm		21-AUG-07	CLT
		Hydroxide (OH)	<5		5	mg/L		21-AUG-07	CLT
		pH	7.8		0.1	pH		21-AUG-07	CLT
		Chloride (Cl)	<1		1	mg/L		21-AUG-07	BOC
		Fluoride (F)	0.10		0.05	mg/L		21-AUG-07	CLT
		Nitrate+Nitrite-N	0.016		0.006	mg/L		21-AUG-07	FYG
		Nitrate-N	0.016		0.006	mg/L		21-AUG-07	FYG
		Nitrite-N	<0.002		0.002	mg/L		21-AUG-07	FYG
		Sulphate (SO4)	50.9		0.05	mg/L		21-AUG-07	JTV
		Dissolved Metals							
		Silicon (Si)-Dissolved	2.2		0.1	mg/L		24-AUG-07	HAS
		Inorganic approval & RPD chain							
		Iron (Fe)-Extractable	<0.05		0.05	mg/L		21-AUG-07	JWU
		Manganese (Mn)-Extractable	<0.01		0.01	mg/L		21-AUG-07	JWU
		Total Metals							
		Silicon (Si)-Total	2.2		0.1	mg/L		24-AUG-07	HAS
		Ammonia-N	<0.005		0.005	mg/L		22-AUG-07	HZH
		Bismuth (Bi)	<0.00003		0.00003	mg/L		24-AUG-07	QLI
		Bismuth (Bi)	<0.00003		0.00003	mg/L		24-AUG-07	QLI
		Lithium (Li)	0.0014		0.0001	mg/L		24-AUG-07	QLI
		Lithium (Li)	0.0015		0.0001	mg/L		24-AUG-07	QLI
		Phosphorus, Total	0.002		0.001	mg/L		22-AUG-07	FYG
		Tin (Sn)-Total	<0.0001		0.0001	mg/L		24-AUG-07	QLI
		Tin (Sn)-Dissolved	<0.0001		0.0001	mg/L		24-AUG-07	QLI
		Total Organic Carbon	1		1	mg/L		21-AUG-07	ZOW
		Total Suspended Solids	<3		3	mg/L		22-AUG-07	SVG
		Turbidity	0.20		0.1	NTU		21-AUG-07	LD
L544077-6	WQ STATION 6								
Sampled By:	NOT PROVIDED on 17-AUG-07								
Matrix:	WATER								
		Ultra-Low Metals - Dissolved							
		Ultra-Low Metals - Dissolved							
		Aluminum (Al)	0.0368		0.0003	mg/L		24-AUG-07	QLI
		Antimony (Sb)	0.00022		0.00003	mg/L		24-AUG-07	QLI
		Arsenic (As)	0.00107		0.00003	mg/L		24-AUG-07	QLI
		Barium (Ba)	0.0524		0.00005	mg/L		24-AUG-07	QLI
		Beryllium (Be)	<0.0002		0.0002	mg/L		24-AUG-07	QLI
		Boron (B)	<0.001		0.001	mg/L		24-AUG-07	QLI

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Lab ID	Sample ID	Test Description	Result	Qual.	D.L.	Units	Extracted	Analyzed	By
L544077-6	WQ STATION 6								
Sampled By:	NOT PROVIDED on 17-AUG-07								
Matrix:	WATER								
	Ultra-Low Metals - Dissolved								
	Ultra-Low Metals - Dissolved								
		Cadmium (Cd)	0.00016		0.00005	mg/L		24-AUG-07	QLI
		Calcium (Ca)	27.3		0.02	mg/L		24-AUG-07	QLI
		Chromium (Cr)	0.00015		0.00006	mg/L		24-AUG-07	QLI
		Cobalt (Co)	0.0013		0.0001	mg/L		24-AUG-07	QLI
		Copper (Cu)	0.0007		0.0006	mg/L		24-AUG-07	QLI
		Lead (Pb)	<0.00005		0.00005	mg/L		24-AUG-07	QLI
		Magnesium (Mg)	3.58		0.004	mg/L		24-AUG-07	QLI
		Manganese (Mn)	0.0201		0.0001	mg/L		24-AUG-07	QLI
		Molybdenum (Mo)	0.00161		0.00006	mg/L		24-AUG-07	QLI
		Nickel (Ni)	0.00562		0.00006	mg/L		24-AUG-07	QLI
		Potassium (K)	0.78		0.02	mg/L		24-AUG-07	QLI
		Selenium (Se)	0.0011		0.0001	mg/L		24-AUG-07	QLI
		Silver (Ag)	<0.0001		0.0001	mg/L		24-AUG-07	QLI
		Sodium (Na)	0.457		0.005	mg/L		24-AUG-07	QLI
		Strontium (Sr)	0.0734		0.0001	mg/L		24-AUG-07	QLI
		Uranium (U)	0.00100		0.00005	mg/L		24-AUG-07	QLI
		Vanadium (V)	0.00011		0.00005	mg/L		24-AUG-07	QLI
		Zinc (Zn)	0.0099		0.0008	mg/L		24-AUG-07	QLI
		Iron (Fe)	0.012		0.005	mg/L		24-AUG-07	HAS
		Mercury (Hg)	<0.00002		0.00002	mg/L		30-AUG-07	DEO
	Ultra-Low Metals								
	Ultra-Low Metals								
		Aluminum (Al)	0.0557		0.0003	mg/L		24-AUG-07	QLI
		Antimony (Sb)	0.00021		0.00003	mg/L		24-AUG-07	QLI
		Arsenic (As)	0.00117		0.00003	mg/L		24-AUG-07	QLI
		Barium (Ba)	0.0528		0.00005	mg/L		24-AUG-07	QLI
		Beryllium (Be)	<0.0002		0.0002	mg/L		24-AUG-07	QLI
		Boron (B)	<0.001		0.001	mg/L		24-AUG-07	QLI
		Cadmium (Cd)	0.00019		0.00005	mg/L		24-AUG-07	QLI
		Calcium (Ca)	27.7		0.02	mg/L		24-AUG-07	QLI
		Chromium (Cr)	0.00014		0.00006	mg/L		24-AUG-07	QLI
		Cobalt (Co)	0.0014		0.0001	mg/L		24-AUG-07	QLI
		Copper (Cu)	0.0009		0.0006	mg/L		24-AUG-07	QLI
		Lead (Pb)	<0.00005		0.00005	mg/L		24-AUG-07	QLI
		Magnesium (Mg)	3.64		0.004	mg/L		24-AUG-07	QLI
		Manganese (Mn)	0.0213		0.0001	mg/L		24-AUG-07	QLI
		Molybdenum (Mo)	0.00164		0.00006	mg/L		24-AUG-07	QLI
		Nickel (Ni)	0.00575		0.00006	mg/L		24-AUG-07	QLI
		Potassium (K)	0.82		0.02	mg/L		24-AUG-07	QLI
		Selenium (Se)	0.0012		0.0001	mg/L		24-AUG-07	QLI
		Silver (Ag)	<0.0001		0.0001	mg/L		24-AUG-07	QLI
		Sodium (Na)	0.453		0.005	mg/L		24-AUG-07	QLI
		Strontium (Sr)	0.0736		0.0001	mg/L		24-AUG-07	QLI
		Uranium (U)	0.00105		0.00005	mg/L		24-AUG-07	QLI
		Vanadium (V)	0.00017		0.00005	mg/L		24-AUG-07	QLI
		Zinc (Zn)	0.0091		0.0008	mg/L		24-AUG-07	QLI
		Iron (Fe)	0.042		0.005	mg/L		24-AUG-07	HAS
		Mercury (Hg)	<0.00002		0.00002	mg/L		30-AUG-07	DEO
	Routine Water: Major Ions,F,Fe,Mn - Low								
	ICP metals for routine water								
		Calcium (Ca)	28.6		0.5	mg/L		21-AUG-07	WYA
		Magnesium (Mg)	3.5		0.1	mg/L		21-AUG-07	WYA

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Lab ID	Sample ID	Test Description	Result	Qual.	D.L.	Units	Extracted	Analyzed	By
L544077-6	WQ STATION 6								
Sampled By:	NOT PROVIDED on 17-AUG-07								
Matrix:	WATER								
	Routine Water: Major Ions,F,Fe,Mn - Low								
	ICP metals for routine water								
		Potassium (K)	0.7		0.1	mg/L		21-AUG-07	WYA
		Sodium (Na)	<1		1	mg/L		21-AUG-07	WYA
	Ion Balance Calculation								
		Hardness (as CaCO3)	86			mg/L		22-AUG-07	
		Ion Balance	97.0			%		22-AUG-07	
		TDS (Calculated)	103			mg/L		22-AUG-07	
	pH, Conductivity and Total Alkalinity								
		Alkalinity, Total (as CaCO3)	43		5	mg/L		21-AUG-07	CLT
		Bicarbonate (HCO3)	53		5	mg/L		21-AUG-07	CLT
		Carbonate (CO3)	<5		5	mg/L		21-AUG-07	CLT
		Conductivity (EC)	186		0.2	uS/cm		21-AUG-07	CLT
		Hydroxide (OH)	<5		5	mg/L		21-AUG-07	CLT
		pH	7.9		0.1	pH		21-AUG-07	CLT
		Chloride (Cl)	<1		1	mg/L		21-AUG-07	BOC
		Fluoride (F)	0.10		0.05	mg/L		21-AUG-07	CLT
		Nitrate+Nitrite-N	0.009		0.006	mg/L		21-AUG-07	FYG
		Nitrate-N	0.009		0.006	mg/L		21-AUG-07	FYG
		Nitrite-N	<0.002		0.002	mg/L		21-AUG-07	FYG
		Sulphate (SO4)	43.8		0.05	mg/L		21-AUG-07	JTV
	Dissolved Metals								
		Silicon (Si)-Dissolved	2.3		0.1	mg/L		24-AUG-07	HAS
	Inorganic approval & RPD chain								
		Iron (Fe)-Extractable	<0.05		0.05	mg/L		21-AUG-07	JWU
		Manganese (Mn)-Extractable	0.01		0.01	mg/L		21-AUG-07	JWU
	Total Metals								
		Silicon (Si)-Total	2.2		0.1	mg/L		24-AUG-07	HAS
		Ammonia-N	<0.005		0.005	mg/L		22-AUG-07	HZH
		Bismuth (Bi)	<0.00003		0.00003	mg/L		24-AUG-07	QLI
		Bismuth (Bi)	<0.00003		0.00003	mg/L		24-AUG-07	QLI
		Lithium (Li)	0.0015		0.0001	mg/L		24-AUG-07	QLI
		Lithium (Li)	0.0015		0.0001	mg/L		24-AUG-07	QLI
		Phosphorus, Total	0.003		0.001	mg/L		22-AUG-07	FYG
		Tin (Sn)-Total	<0.0001		0.0001	mg/L		24-AUG-07	QLI
		Tin (Sn)-Dissolved	<0.0001		0.0001	mg/L		24-AUG-07	QLI
		Total Organic Carbon	1		1	mg/L		21-AUG-07	ZOW
		Total Suspended Solids	<3		3	mg/L		22-AUG-07	SVG
		Turbidity	0.20		0.1	NTU		21-AUG-07	LD
L544077-7	WQ STATION 6 DUPLICATE								
Sampled By:	NOT PROVIDED on 17-AUG-07								
Matrix:	WATER								
	Ultra-Low Metals - Dissolved								
	Ultra-Low Metals - Dissolved								
		Aluminum (Al)	0.0372		0.0003	mg/L		24-AUG-07	QLI
		Antimony (Sb)	0.00022		0.00003	mg/L		24-AUG-07	QLI
		Arsenic (As)	0.00106		0.00003	mg/L		24-AUG-07	QLI
		Barium (Ba)	0.0521		0.00005	mg/L		24-AUG-07	QLI
		Beryllium (Be)	<0.0002		0.0002	mg/L		24-AUG-07	QLI
		Boron (B)	<0.001		0.001	mg/L		24-AUG-07	QLI
		Cadmium (Cd)	0.00015		0.00005	mg/L		24-AUG-07	QLI

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Lab ID	Sample ID	Test Description	Result	Qual.	D.L.	Units	Extracted	Analyzed	By
L544077-7	WQ STATION 6 DUPLICATE								
Sampled By:	NOT PROVIDED on 17-AUG-07								
Matrix:	WATER								
	Ultra-Low Metals - Dissolved								
	Ultra-Low Metals - Dissolved								
		Calcium (Ca)	27.4		0.02	mg/L		24-AUG-07	QLI
		Chromium (Cr)	0.00018		0.00006	mg/L		24-AUG-07	QLI
		Cobalt (Co)	0.0013		0.0001	mg/L		24-AUG-07	QLI
		Copper (Cu)	0.0007		0.0006	mg/L		24-AUG-07	QLI
		Lead (Pb)	<0.00005		0.00005	mg/L		24-AUG-07	QLI
		Magnesium (Mg)	3.62		0.004	mg/L		24-AUG-07	QLI
		Manganese (Mn)	0.0205		0.0001	mg/L		24-AUG-07	QLI
		Molybdenum (Mo)	0.00163		0.00006	mg/L		24-AUG-07	QLI
		Nickel (Ni)	0.00559		0.00006	mg/L		24-AUG-07	QLI
		Potassium (K)	0.81		0.02	mg/L		24-AUG-07	QLI
		Selenium (Se)	0.0012		0.0001	mg/L		24-AUG-07	QLI
		Silver (Ag)	<0.0001		0.0001	mg/L		24-AUG-07	QLI
		Sodium (Na)	0.463		0.005	mg/L		24-AUG-07	QLI
		Strontium (Sr)	0.0728		0.0001	mg/L		24-AUG-07	QLI
		Uranium (U)	0.00100		0.00005	mg/L		24-AUG-07	QLI
		Vanadium (V)	0.00011		0.00005	mg/L		24-AUG-07	QLI
		Zinc (Zn)	0.0101		0.0008	mg/L		24-AUG-07	QLI
		Iron (Fe)	0.012		0.005	mg/L		24-AUG-07	HAS
		Mercury (Hg)	<0.00002		0.00002	mg/L		30-AUG-07	DEO
	Ultra-Low Metals								
	Ultra-Low Metals								
		Aluminum (Al)	0.0538		0.0003	mg/L		24-AUG-07	QLI
		Antimony (Sb)	0.00021		0.00003	mg/L		24-AUG-07	QLI
		Arsenic (As)	0.00119		0.00003	mg/L		24-AUG-07	QLI
		Barium (Ba)	0.0526		0.00005	mg/L		24-AUG-07	QLI
		Beryllium (Be)	<0.0002		0.0002	mg/L		24-AUG-07	QLI
		Boron (B)	<0.001		0.001	mg/L		24-AUG-07	QLI
		Cadmium (Cd)	0.00019		0.00005	mg/L		24-AUG-07	QLI
		Calcium (Ca)	27.4		0.02	mg/L		24-AUG-07	QLI
		Chromium (Cr)	0.00014		0.00006	mg/L		24-AUG-07	QLI
		Cobalt (Co)	0.0014		0.0001	mg/L		24-AUG-07	QLI
		Copper (Cu)	0.0009		0.0006	mg/L		24-AUG-07	QLI
		Lead (Pb)	<0.00005		0.00005	mg/L		24-AUG-07	QLI
		Magnesium (Mg)	3.65		0.004	mg/L		24-AUG-07	QLI
		Manganese (Mn)	0.0208		0.0001	mg/L		24-AUG-07	QLI
		Molybdenum (Mo)	0.00168		0.00006	mg/L		24-AUG-07	QLI
		Nickel (Ni)	0.00565		0.00006	mg/L		24-AUG-07	QLI
		Potassium (K)	0.82		0.02	mg/L		24-AUG-07	QLI
		Selenium (Se)	0.0012		0.0001	mg/L		24-AUG-07	QLI
		Silver (Ag)	<0.0001		0.0001	mg/L		24-AUG-07	QLI
		Sodium (Na)	0.459		0.005	mg/L		24-AUG-07	QLI
		Strontium (Sr)	0.0738		0.0001	mg/L		24-AUG-07	QLI
		Uranium (U)	0.00105		0.00005	mg/L		24-AUG-07	QLI
		Vanadium (V)	0.00017		0.00005	mg/L		24-AUG-07	QLI
		Zinc (Zn)	0.0087		0.0008	mg/L		24-AUG-07	QLI
		Iron (Fe)	0.044		0.005	mg/L		24-AUG-07	HAS
		Mercury (Hg)	<0.00002		0.00002	mg/L		30-AUG-07	DEO
	Routine Water: Major Ions,F,Fe,Mn - Low								
	ICP metals for routine water								
		Calcium (Ca)	29.4		0.5	mg/L		21-AUG-07	WYA
		Magnesium (Mg)	3.7		0.1	mg/L		21-AUG-07	WYA
		Potassium (K)	0.8		0.1	mg/L		21-AUG-07	WYA

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Lab ID	Sample ID	Test Description	Result	Qual.	D.L.	Units	Extracted	Analyzed	By
L544077-7	WQ STATION 6 DUPLICATE								
Sampled By:	NOT PROVIDED on 17-AUG-07								
Matrix:	WATER								
	Routine Water: Major Ions,F,Fe,Mn - Low								
	ICP metals for routine water								
		Sodium (Na)	<1		1	mg/L		21-AUG-07	WYA
	Ion Balance Calculation								
		Hardness (as CaCO3)	89			mg/L		22-AUG-07	
		Ion Balance	99.3			%		22-AUG-07	
		TDS (Calculated)	104			mg/L		22-AUG-07	
	pH, Conductivity and Total Alkalinity								
		Alkalinity, Total (as CaCO3)	44		5	mg/L		21-AUG-07	CLT
		Bicarbonate (HCO3)	54		5	mg/L		21-AUG-07	CLT
		Carbonate (CO3)	<5		5	mg/L		21-AUG-07	CLT
		Conductivity (EC)	186		0.2	uS/cm		21-AUG-07	CLT
		Hydroxide (OH)	<5		5	mg/L		21-AUG-07	CLT
		pH	7.9		0.1	pH		21-AUG-07	CLT
		Chloride (Cl)	<1		1	mg/L		21-AUG-07	BOC
		Fluoride (F)	0.10		0.05	mg/L		21-AUG-07	CLT
		Nitrate+Nitrite-N	0.009		0.006	mg/L		21-AUG-07	FYG
		Nitrate-N	0.009		0.006	mg/L		21-AUG-07	FYG
		Nitrite-N	<0.002		0.002	mg/L		21-AUG-07	FYG
		Sulphate (SO4)	43.9		0.05	mg/L		21-AUG-07	JTV
	Dissolved Metals								
		Silicon (Si)-Dissolved	2.2		0.1	mg/L		24-AUG-07	HAS
	Inorganic approval & RPD chain								
		Iron (Fe)-Extractable	<0.05		0.05	mg/L		21-AUG-07	JWU
		Manganese (Mn)-Extractable	0.01		0.01	mg/L		21-AUG-07	JWU
	Total Metals								
		Silicon (Si)-Total	2.2		0.1	mg/L		24-AUG-07	HAS
		Ammonia-N	0.005		0.005	mg/L		22-AUG-07	HZH
		Bismuth (Bi)	<0.00003		0.00003	mg/L		24-AUG-07	QLI
		Bismuth (Bi)	<0.00003		0.00003	mg/L		24-AUG-07	QLI
		Lithium (Li)	0.0017		0.0001	mg/L		24-AUG-07	QLI
		Lithium (Li)	0.0014		0.0001	mg/L		24-AUG-07	QLI
		Phosphorus, Total	0.003		0.001	mg/L		22-AUG-07	FYG
		Tin (Sn)-Total	<0.0001		0.0001	mg/L		24-AUG-07	QLI
		Tin (Sn)-Dissolved	<0.0001		0.0001	mg/L		24-AUG-07	QLI
		Total Organic Carbon	1		1	mg/L		21-AUG-07	ZOW
		Total Suspended Solids	<3		3	mg/L		22-AUG-07	SVG
		Turbidity	0.20		0.1	NTU		21-AUG-07	LD
L544077-8	WQ STATION 7								
Sampled By:	NOT PROVIDED on 17-AUG-07								
Matrix:	WATER								
	Ultra-Low Metals - Dissolved								
	Ultra-Low Metals - Dissolved								
		Aluminum (Al)	0.0206		0.0003	mg/L		24-AUG-07	QLI
		Antimony (Sb)	0.00009		0.00003	mg/L		24-AUG-07	QLI
		Arsenic (As)	0.00013		0.00003	mg/L		24-AUG-07	QLI
		Barium (Ba)	0.0505		0.00005	mg/L		24-AUG-07	QLI
		Beryllium (Be)	<0.0002		0.0002	mg/L		24-AUG-07	QLI
		Boron (B)	<0.001		0.001	mg/L		24-AUG-07	QLI
		Cadmium (Cd)	0.00477		0.00005	mg/L		24-AUG-07	QLI
		Calcium (Ca)	21.9		0.02	mg/L		24-AUG-07	QLI

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Lab ID	Sample ID	Test Description	Result	Qual.	D.L.	Units	Extracted	Analyzed	By
L544077-8	WQ STATION 7								
Sampled By:	NOT PROVIDED on 17-AUG-07								
Matrix:	WATER								
	Ultra-Low Metals - Dissolved								
	Ultra-Low Metals - Dissolved								
		Chromium (Cr)	0.00006		0.00006	mg/L		24-AUG-07	QLI
		Cobalt (Co)	0.0110		0.0001	mg/L		24-AUG-07	QLI
		Copper (Cu)	0.0057		0.0006	mg/L		24-AUG-07	QLI
		Lead (Pb)	<0.00005		0.00005	mg/L		24-AUG-07	QLI
		Magnesium (Mg)	4.68		0.004	mg/L		24-AUG-07	QLI
		Manganese (Mn)	0.116		0.0001	mg/L		24-AUG-07	QLI
		Molybdenum (Mo)	0.00045		0.00006	mg/L		24-AUG-07	QLI
		Nickel (Ni)	0.107		0.00006	mg/L		24-AUG-07	QLI
		Potassium (K)	0.57		0.02	mg/L		24-AUG-07	QLI
		Selenium (Se)	0.0008		0.0001	mg/L		24-AUG-07	QLI
		Silver (Ag)	<0.0001		0.0001	mg/L		24-AUG-07	QLI
		Sodium (Na)	0.403		0.005	mg/L		24-AUG-07	QLI
		Strontium (Sr)	0.0583		0.0001	mg/L		24-AUG-07	QLI
		Uranium (U)	<0.00005		0.00005	mg/L		24-AUG-07	QLI
		Vanadium (V)	<0.00005		0.00005	mg/L		24-AUG-07	QLI
		Zinc (Zn)	0.359		0.0008	mg/L		24-AUG-07	QLI
		Iron (Fe)	0.051		0.005	mg/L		24-AUG-07	HAS
		Mercury (Hg)	<0.00002		0.00002	mg/L		30-AUG-07	DEO
	Ultra-Low Metals								
	Ultra-Low Metals								
		Aluminum (Al)	2.11		0.0003	mg/L		24-AUG-07	QLI
		Antimony (Sb)	0.00010		0.00003	mg/L		24-AUG-07	QLI
		Arsenic (As)	0.00056		0.00003	mg/L		24-AUG-07	QLI
		Barium (Ba)	0.0509		0.00005	mg/L		24-AUG-07	QLI
		Beryllium (Be)	0.0003		0.0002	mg/L		24-AUG-07	QLI
		Boron (B)	<0.001		0.001	mg/L		24-AUG-07	QLI
		Cadmium (Cd)	0.00492		0.00005	mg/L		24-AUG-07	QLI
		Calcium (Ca)	21.0		0.02	mg/L		24-AUG-07	QLI
		Chromium (Cr)	0.00091		0.00006	mg/L		24-AUG-07	QLI
		Cobalt (Co)	0.0103		0.0001	mg/L		24-AUG-07	QLI
		Copper (Cu)	0.0494		0.0006	mg/L		24-AUG-07	QLI
		Lead (Pb)	<0.00005		0.00005	mg/L		24-AUG-07	QLI
		Magnesium (Mg)	4.49		0.004	mg/L		24-AUG-07	QLI
		Manganese (Mn)	0.113		0.0001	mg/L		24-AUG-07	QLI
		Molybdenum (Mo)	0.00053		0.00006	mg/L		24-AUG-07	QLI
		Nickel (Ni)	0.103		0.00006	mg/L		24-AUG-07	QLI
		Potassium (K)	0.57		0.02	mg/L		24-AUG-07	QLI
		Selenium (Se)	0.0008		0.0001	mg/L		24-AUG-07	QLI
		Silver (Ag)	<0.0001		0.0001	mg/L		24-AUG-07	QLI
		Sodium (Na)	0.376		0.005	mg/L		24-AUG-07	QLI
		Strontium (Sr)	0.0452		0.0001	mg/L		24-AUG-07	QLI
		Uranium (U)	0.00133		0.00005	mg/L		24-AUG-07	QLI
		Vanadium (V)	0.00262		0.00005	mg/L		24-AUG-07	QLI
		Zinc (Zn)	0.381		0.0008	mg/L		24-AUG-07	QLI
		Iron (Fe)	1.47		0.005	mg/L		24-AUG-07	HAS
		Mercury (Hg)	<0.00002		0.00002	mg/L		30-AUG-07	DEO
	Routine Water: Major Ions,F,Fe,Mn - Low								
	ICP metals for routine water								
		Calcium (Ca)	23.3		0.5	mg/L		28-AUG-07	JWU
		Magnesium (Mg)	5.0		0.1	mg/L		28-AUG-07	JWU
		Potassium (K)	0.5		0.1	mg/L		28-AUG-07	JWU
		Sodium (Na)	<1		1	mg/L		28-AUG-07	JWU

ALS LABORATORY GROUP CHEMICAL ANALYSIS REPORT

Lab ID	Sample ID	Test Description	Result	Qual.	D.L.	Units	Extracted	Analyzed	By
L544077-8	WQ STATION 7								
Sampled By:	NOT PROVIDED on 17-AUG-07								
Matrix:	WATER								
	Routine Water: Major Ions,F,Fe,Mn - Low								
	Ion Balance Calculation								
		Hardness (as CaCO3)	79			mg/L		29-AUG-07	
		Ion Balance	91.5			%		29-AUG-07	
		TDS (Calculated)	109			mg/L		29-AUG-07	
	pH, Conductivity and Total Alkalinity								
		Alkalinity, Total (as CaCO3)	8		5	mg/L		21-AUG-07	CLT
		Bicarbonate (HCO3)	9		5	mg/L		21-AUG-07	CLT
		Carbonate (CO3)	<5		5	mg/L		21-AUG-07	CLT
		Conductivity (EC)	178		0.2	uS/cm		21-AUG-07	CLT
		Hydroxide (OH)	<5		5	mg/L		21-AUG-07	CLT
		pH	7.0		0.1	pH		21-AUG-07	CLT
		Chloride (Cl)	2		1	mg/L		21-AUG-07	BOC
		Fluoride (F)	0.20		0.05	mg/L		21-AUG-07	CLT
		Nitrate+Nitrite-N	0.027		0.006	mg/L		21-AUG-07	FYG
		Nitrate-N	0.027		0.006	mg/L		21-AUG-07	FYG
		Nitrite-N	<0.002		0.002	mg/L		21-AUG-07	FYG
		Sulphate (SO4)	72.9		0.05	mg/L		22-AUG-07	JTV
	Dissolved Metals								
		Silicon (Si)-Dissolved	2.5		0.1	mg/L		24-AUG-07	HAS
	Inorganic approval & RPD chain								
		Iron (Fe)-Extractable	0.87		0.05	mg/L		21-AUG-07	JWU
		Manganese (Mn)-Extractable	0.12		0.01	mg/L		21-AUG-07	JWU
	Total Metals								
		Silicon (Si)-Total	2.8		0.1	mg/L		24-AUG-07	HAS
		Ammonia-N	0.005		0.005	mg/L		22-AUG-07	HZH
		Bismuth (Bi)	<0.00003		0.00003	mg/L		24-AUG-07	QLI
		Bismuth (Bi)	<0.00003		0.00003	mg/L		24-AUG-07	QLI
		Lithium (Li)	0.0063		0.0001	mg/L		24-AUG-07	QLI
		Lithium (Li)	0.0061		0.0001	mg/L		24-AUG-07	QLI
		Phosphorus, Total	0.026		0.001	mg/L		22-AUG-07	FYG
		Tin (Sn)-Total	<0.0001		0.0001	mg/L		24-AUG-07	QLI
		Tin (Sn)-Dissolved	<0.0001		0.0001	mg/L		24-AUG-07	QLI
		Total Organic Carbon	<1		1	mg/L		21-AUG-07	ZOW
		Total Suspended Solids	16		3	mg/L		22-AUG-07	SVG
		Turbidity	1.5		0.1	NTU		21-AUG-07	LD
L544077-9	WQ STATION 8								
Sampled By:	NOT PROVIDED on 17-AUG-07								
Matrix:	WATER								
	Ultra-Low Metals - Dissolved								
	Ultra-Low Metals - Dissolved								
		Aluminum (Al)	0.0387		0.0003	mg/L		24-AUG-07	QLI
		Antimony (Sb)	0.00033		0.00003	mg/L		24-AUG-07	QLI
		Arsenic (As)	0.00242		0.00003	mg/L		24-AUG-07	QLI
		Barium (Ba)	0.0108		0.00005	mg/L		24-AUG-07	QLI
		Beryllium (Be)	<0.0002		0.0002	mg/L		24-AUG-07	QLI
		Boron (B)	<0.001		0.001	mg/L		24-AUG-07	QLI
		Cadmium (Cd)	<0.00005		0.00005	mg/L		24-AUG-07	QLI
		Calcium (Ca)	8.63		0.02	mg/L		24-AUG-07	QLI
		Chromium (Cr)	<0.00006		0.00006	mg/L		24-AUG-07	QLI
		Cobalt (Co)	0.0007		0.0001	mg/L		24-AUG-07	QLI

ALS LABORATORY GROUP CHEMICAL ANALYSIS REPORT

Lab ID	Sample ID	Test Description	Result	Qual.	D.L.	Units	Extracted	Analyzed	By
L544077-9	WQ STATION 8								
Sampled By:	NOT PROVIDED on 17-AUG-07								
Matrix:	WATER								
	Ultra-Low Metals - Dissolved								
	Ultra-Low Metals - Dissolved								
		Copper (Cu)	0.0010		0.0006	mg/L		24-AUG-07	QLI
		Lead (Pb)	<0.00005		0.00005	mg/L		24-AUG-07	QLI
		Magnesium (Mg)	0.690		0.004	mg/L		24-AUG-07	QLI
		Manganese (Mn)	0.0264		0.0001	mg/L		24-AUG-07	QLI
		Molybdenum (Mo)	0.00145		0.00006	mg/L		24-AUG-07	QLI
		Nickel (Ni)	0.00398		0.00006	mg/L		24-AUG-07	QLI
		Potassium (K)	0.14		0.02	mg/L		24-AUG-07	QLI
		Selenium (Se)	0.0004		0.0001	mg/L		24-AUG-07	QLI
		Silver (Ag)	<0.0001		0.0001	mg/L		24-AUG-07	QLI
		Sodium (Na)	0.245		0.005	mg/L		24-AUG-07	QLI
		Strontium (Sr)	0.0197		0.0001	mg/L		24-AUG-07	QLI
		Uranium (U)	0.00025		0.00005	mg/L		24-AUG-07	QLI
		Vanadium (V)	<0.00005		0.00005	mg/L		24-AUG-07	QLI
		Zinc (Zn)	0.0050		0.0008	mg/L		24-AUG-07	QLI
		Iron (Fe)	<0.005		0.005	mg/L		24-AUG-07	HAS
		Mercury (Hg)	<0.00002		0.00002	mg/L		30-AUG-07	DEO
	Ultra-Low Metals								
	Ultra-Low Metals								
		Aluminum (Al)	0.0628		0.0003	mg/L		24-AUG-07	QLI
		Antimony (Sb)	0.00034		0.00003	mg/L		24-AUG-07	QLI
		Arsenic (As)	0.00297		0.00003	mg/L		24-AUG-07	QLI
		Barium (Ba)	0.0107		0.00005	mg/L		24-AUG-07	QLI
		Beryllium (Be)	<0.0002		0.0002	mg/L		24-AUG-07	QLI
		Boron (B)	<0.001		0.001	mg/L		24-AUG-07	QLI
		Cadmium (Cd)	<0.00005		0.00005	mg/L		24-AUG-07	QLI
		Calcium (Ca)	8.72		0.02	mg/L		24-AUG-07	QLI
		Chromium (Cr)	<0.00006		0.00006	mg/L		24-AUG-07	QLI
		Cobalt (Co)	0.0007		0.0001	mg/L		24-AUG-07	QLI
		Copper (Cu)	0.0012		0.0006	mg/L		24-AUG-07	QLI
		Lead (Pb)	<0.00005		0.00005	mg/L		24-AUG-07	QLI
		Magnesium (Mg)	0.698		0.004	mg/L		24-AUG-07	QLI
		Manganese (Mn)	0.0285		0.0001	mg/L		24-AUG-07	QLI
		Molybdenum (Mo)	0.00145		0.00006	mg/L		24-AUG-07	QLI
		Nickel (Ni)	0.00398		0.00006	mg/L		24-AUG-07	QLI
		Potassium (K)	0.15		0.02	mg/L		24-AUG-07	QLI
		Selenium (Se)	0.0003		0.0001	mg/L		24-AUG-07	QLI
		Silver (Ag)	<0.0001		0.0001	mg/L		24-AUG-07	QLI
		Sodium (Na)	0.242		0.005	mg/L		24-AUG-07	QLI
		Strontium (Sr)	0.0193		0.0001	mg/L		24-AUG-07	QLI
		Uranium (U)	0.00039		0.00005	mg/L		24-AUG-07	QLI
		Vanadium (V)	<0.00005		0.00005	mg/L		24-AUG-07	QLI
		Zinc (Zn)	0.0034		0.0008	mg/L		24-AUG-07	QLI
		Iron (Fe)	0.006		0.005	mg/L		24-AUG-07	HAS
		Mercury (Hg)	<0.00002		0.00002	mg/L		30-AUG-07	DEO
	Routine Water: Major Ions,F,Fe,Mn - Low								
	ICP metals for routine water								
		Calcium (Ca)	9.4		0.5	mg/L		21-AUG-07	WYA
		Magnesium (Mg)	0.4		0.1	mg/L		21-AUG-07	WYA
		Potassium (K)	0.3		0.1	mg/L		21-AUG-07	WYA
		Sodium (Na)	<1		1	mg/L		21-AUG-07	WYA
	Ion Balance Calculation								
		Hardness (as CaCO3)	25			mg/L		22-AUG-07	

ALS LABORATORY GROUP CHEMICAL ANALYSIS REPORT

Lab ID	Sample ID	Test Description	Result	Qual.	D.L.	Units	Extracted	Analyzed	By
L544077-9	WQ STATION 8								
Sampled By:	NOT PROVIDED on 17-AUG-07								
Matrix:	WATER								
		Routine Water: Major Ions,F,Fe,Mn - Low							
		Ion Balance Calculation							
		Ion Balance	Low EC			%		22-AUG-07	
		TDS (Calculated)	34			mg/L		22-AUG-07	
		pH, Conductivity and Total Alkalinity							
		Alkalinity, Total (as CaCO3)	7		5	mg/L		21-AUG-07	CLT
		Bicarbonate (HCO3)	8		5	mg/L		21-AUG-07	CLT
		Carbonate (CO3)	<5		5	mg/L		21-AUG-07	CLT
		Conductivity (EC)	66.9		0.2	uS/cm		21-AUG-07	CLT
		Hydroxide (OH)	<5		5	mg/L		21-AUG-07	CLT
		pH	7.2		0.1	pH		21-AUG-07	CLT
		Chloride (Cl)	<1		1	mg/L		21-AUG-07	BOC
		Fluoride (F)	0.07		0.05	mg/L		21-AUG-07	CLT
		Nitrate+Nitrite-N	<0.006		0.006	mg/L		21-AUG-07	FYG
		Nitrate-N	<0.006		0.006	mg/L		21-AUG-07	FYG
		Nitrite-N	<0.002		0.002	mg/L		21-AUG-07	FYG
		Sulphate (SO4)	19.2		0.05	mg/L		21-AUG-07	JTV
		Dissolved Metals							
		Silicon (Si)-Dissolved	1.2		0.1	mg/L		24-AUG-07	HAS
		Inorganic approval & RPD chain							
		Iron (Fe)-Extractable	<0.05		0.05	mg/L		21-AUG-07	JWU
		Manganese (Mn)-Extractable	0.02		0.01	mg/L		21-AUG-07	JWU
		Total Metals							
		Silicon (Si)-Total	1.3		0.1	mg/L		24-AUG-07	HAS
		Ammonia-N	<0.005		0.005	mg/L		22-AUG-07	HZH
		Bismuth (Bi)	<0.00003		0.00003	mg/L		24-AUG-07	QLI
		Bismuth (Bi)	<0.00003		0.00003	mg/L		24-AUG-07	QLI
		Lithium (Li)	0.0014		0.0001	mg/L		24-AUG-07	QLI
		Lithium (Li)	0.0014		0.0001	mg/L		24-AUG-07	QLI
		Phosphorus, Total	<0.001		0.001	mg/L		22-AUG-07	FYG
		Tin (Sn)-Total	<0.0001		0.0001	mg/L		24-AUG-07	QLI
		Tin (Sn)-Dissolved	<0.0001		0.0001	mg/L		24-AUG-07	QLI
		Total Organic Carbon	<1		1	mg/L		21-AUG-07	ZOW
		Total Suspended Solids	<3		3	mg/L		22-AUG-07	SVG
		Turbidity	<0.1		0.1	NTU		21-AUG-07	LD
L544077-10	WQ STATION 8 DUPLICATE								
Sampled By:	NOT PROVIDED on 17-AUG-07								
Matrix:	WATER								
		Ultra-Low Metals - Dissolved							
		Ultra-Low Metals - Dissolved							
		Aluminum (Al)	0.0363		0.0003	mg/L		24-AUG-07	QLI
		Antimony (Sb)	0.00035		0.00003	mg/L		24-AUG-07	QLI
		Arsenic (As)	0.00248		0.00003	mg/L		24-AUG-07	QLI
		Barium (Ba)	0.0108		0.00005	mg/L		24-AUG-07	QLI
		Beryllium (Be)	<0.0002		0.0002	mg/L		24-AUG-07	QLI
		Boron (B)	<0.001		0.001	mg/L		24-AUG-07	QLI
		Cadmium (Cd)	<0.00005		0.00005	mg/L		24-AUG-07	QLI
		Calcium (Ca)	8.68		0.02	mg/L		24-AUG-07	QLI
		Chromium (Cr)	<0.00006		0.00006	mg/L		24-AUG-07	QLI
		Cobalt (Co)	0.0007		0.0001	mg/L		24-AUG-07	QLI
		Copper (Cu)	0.0009		0.0006	mg/L		24-AUG-07	QLI

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Lab ID	Sample ID	Test Description	Result	Qual.	D.L.	Units	Extracted	Analyzed	By
L544077-10	WQ STATION 8 DUPLICATE								
Sampled By:	NOT PROVIDED on 17-AUG-07								
Matrix:	WATER								
	Ultra-Low Metals - Dissolved								
	Ultra-Low Metals - Dissolved								
		Lead (Pb)	<0.00005		0.00005	mg/L		24-AUG-07	QLI
		Magnesium (Mg)	0.683		0.004	mg/L		24-AUG-07	QLI
		Manganese (Mn)	0.0265		0.0001	mg/L		24-AUG-07	QLI
		Molybdenum (Mo)	0.00141		0.00006	mg/L		24-AUG-07	QLI
		Nickel (Ni)	0.00395		0.00006	mg/L		24-AUG-07	QLI
		Potassium (K)	0.14		0.02	mg/L		24-AUG-07	QLI
		Selenium (Se)	0.0002		0.0001	mg/L		24-AUG-07	QLI
		Silver (Ag)	<0.0001		0.0001	mg/L		24-AUG-07	QLI
		Sodium (Na)	0.249		0.005	mg/L		24-AUG-07	QLI
		Strontium (Sr)	0.0197		0.0001	mg/L		24-AUG-07	QLI
		Uranium (U)	0.00020		0.00005	mg/L		24-AUG-07	QLI
		Vanadium (V)	<0.00005		0.00005	mg/L		24-AUG-07	QLI
		Zinc (Zn)	0.0047		0.0008	mg/L		24-AUG-07	QLI
		Iron (Fe)	<0.005		0.005	mg/L		24-AUG-07	HAS
		Mercury (Hg)	<0.00002		0.00002	mg/L		30-AUG-07	DEO
	Ultra-Low Metals								
	Ultra-Low Metals								
		Aluminum (Al)	0.0610		0.0003	mg/L		24-AUG-07	QLI
		Antimony (Sb)	0.00032		0.00003	mg/L		24-AUG-07	QLI
		Arsenic (As)	0.00289		0.00003	mg/L		24-AUG-07	QLI
		Barium (Ba)	0.0108		0.00005	mg/L		24-AUG-07	QLI
		Beryllium (Be)	<0.0002		0.0002	mg/L		24-AUG-07	QLI
		Boron (B)	<0.001		0.001	mg/L		24-AUG-07	QLI
		Cadmium (Cd)	<0.00005		0.00005	mg/L		24-AUG-07	QLI
		Calcium (Ca)	8.75		0.02	mg/L		24-AUG-07	QLI
		Chromium (Cr)	<0.00006		0.00006	mg/L		24-AUG-07	QLI
		Cobalt (Co)	0.0007		0.0001	mg/L		24-AUG-07	QLI
		Copper (Cu)	0.0012		0.0006	mg/L		24-AUG-07	QLI
		Lead (Pb)	<0.00005		0.00005	mg/L		24-AUG-07	QLI
		Magnesium (Mg)	0.681		0.004	mg/L		24-AUG-07	QLI
		Manganese (Mn)	0.0282		0.0001	mg/L		24-AUG-07	QLI
		Molybdenum (Mo)	0.00145		0.00006	mg/L		24-AUG-07	QLI
		Nickel (Ni)	0.00383		0.00006	mg/L		24-AUG-07	QLI
		Potassium (K)	0.15		0.02	mg/L		24-AUG-07	QLI
		Selenium (Se)	0.0003		0.0001	mg/L		24-AUG-07	QLI
		Silver (Ag)	<0.0001		0.0001	mg/L		24-AUG-07	QLI
		Sodium (Na)	0.240		0.005	mg/L		24-AUG-07	QLI
		Strontium (Sr)	0.0194		0.0001	mg/L		24-AUG-07	QLI
		Uranium (U)	0.00038		0.00005	mg/L		24-AUG-07	QLI
		Vanadium (V)	<0.00005		0.00005	mg/L		24-AUG-07	QLI
		Zinc (Zn)	0.0032		0.0008	mg/L		24-AUG-07	QLI
		Iron (Fe)	0.007		0.005	mg/L		24-AUG-07	HAS
		Mercury (Hg)	<0.00002		0.00002	mg/L		30-AUG-07	DEO
	Routine Water: Major Ions,F,Fe,Mn - Low								
	ICP metals for routine water								
		Calcium (Ca)	9.5		0.5	mg/L		21-AUG-07	WYA
		Magnesium (Mg)	0.4		0.1	mg/L		21-AUG-07	WYA
		Potassium (K)	0.2		0.1	mg/L		21-AUG-07	WYA
		Sodium (Na)	<1		1	mg/L		21-AUG-07	WYA
	Ion Balance Calculation								
		Hardness (as CaCO3)	25			mg/L		22-AUG-07	
		Ion Balance	Low EC			%		22-AUG-07	

ALS LABORATORY GROUP CHEMICAL ANALYSIS REPORT

Lab ID	Sample ID	Test Description	Result	Qual.	D.L.	Units	Extracted	Analyzed	By
L544077-10	WQ STATION 8 DUPLICATE								
Sampled By:	NOT PROVIDED on 17-AUG-07								
Matrix:	WATER								
	Routine Water: Major Ions,F,Fe,Mn - Low								
	Ion Balance Calculation								
		TDS (Calculated)	33			mg/L		22-AUG-07	
	pH, Conductivity and Total Alkalinity								
		Alkalinity, Total (as CaCO3)	6		5	mg/L		21-AUG-07	CLT
		Bicarbonate (HCO3)	8		5	mg/L		21-AUG-07	CLT
		Carbonate (CO3)	<5		5	mg/L		21-AUG-07	CLT
		Conductivity (EC)	67.0		0.2	uS/cm		21-AUG-07	CLT
		Hydroxide (OH)	<5		5	mg/L		21-AUG-07	CLT
		pH	7.2		0.1	pH		21-AUG-07	CLT
		Chloride (Cl)	<1		1	mg/L		21-AUG-07	BOC
		Fluoride (F)	0.07		0.05	mg/L		21-AUG-07	CLT
		Nitrate+Nitrite-N	<0.006		0.006	mg/L		21-AUG-07	FYG
		Nitrate-N	<0.006		0.006	mg/L		21-AUG-07	FYG
		Nitrite-N	<0.002		0.002	mg/L		21-AUG-07	FYG
		Sulphate (SO4)	19.2		0.05	mg/L		21-AUG-07	JTV
	Dissolved Metals								
		Silicon (Si)-Dissolved	1.2		0.1	mg/L		24-AUG-07	HAS
	Inorganic approval & RPD chain								
		Iron (Fe)-Extractable	0.13		0.05	mg/L		21-AUG-07	JWU
		Manganese (Mn)-Extractable	0.02		0.01	mg/L		21-AUG-07	JWU
	Total Metals								
		Silicon (Si)-Total	1.2		0.1	mg/L		24-AUG-07	HAS
		Ammonia-N	<0.005		0.005	mg/L		22-AUG-07	HZH
		Bismuth (Bi)	<0.00003		0.00003	mg/L		24-AUG-07	QLI
		Bismuth (Bi)	<0.00003		0.00003	mg/L		24-AUG-07	QLI
		Lithium (Li)	0.0013		0.0001	mg/L		24-AUG-07	QLI
		Lithium (Li)	0.0015		0.0001	mg/L		24-AUG-07	QLI
		Phosphorus, Total	<0.001		0.001	mg/L		22-AUG-07	FYG
		Tin (Sn)-Total	<0.0001		0.0001	mg/L		24-AUG-07	QLI
		Tin (Sn)-Dissolved	<0.0001		0.0001	mg/L		24-AUG-07	QLI
		Total Organic Carbon	<1		1	mg/L		21-AUG-07	ZOW
		Total Suspended Solids	4		3	mg/L		22-AUG-07	SVG
		Turbidity	0.20		0.1	NTU		21-AUG-07	LD
L544077-11	TRAVEL BLANK								
Sampled By:	NOT PROVIDED								
Matrix:	WATER								
	Ultra-Low Metals - Dissolved								
	Ultra-Low Metals - Dissolved								
		Aluminum (Al)	<0.0003		0.0003	mg/L		24-AUG-07	QLI
		Antimony (Sb)	<0.00003		0.00003	mg/L		24-AUG-07	QLI
		Arsenic (As)	<0.00003		0.00003	mg/L		24-AUG-07	QLI
		Barium (Ba)	<0.00005		0.00005	mg/L		24-AUG-07	QLI
		Beryllium (Be)	<0.0002		0.0002	mg/L		24-AUG-07	QLI
		Boron (B)	<0.001		0.001	mg/L		24-AUG-07	QLI
		Cadmium (Cd)	<0.00005		0.00005	mg/L		24-AUG-07	QLI
		Calcium (Ca)	<0.02		0.02	mg/L		24-AUG-07	QLI
		Chromium (Cr)	<0.00006		0.00006	mg/L		24-AUG-07	QLI
		Cobalt (Co)	<0.0001		0.0001	mg/L		24-AUG-07	QLI
		Copper (Cu)	<0.0006		0.0006	mg/L		24-AUG-07	QLI
		Lead (Pb)	<0.00005		0.00005	mg/L		24-AUG-07	QLI

ALS LABORATORY GROUP CHEMICAL ANALYSIS REPORT

Lab ID	Sample ID	Test Description	Result	Qual.	D.L.	Units	Extracted	Analyzed	By
L544077-11	TRAVEL BLANK								
Sampled By:	NOT PROVIDED								
Matrix:	WATER								
		Ultra-Low Metals - Dissolved							
		Ultra-Low Metals - Dissolved							
		Magnesium (Mg)	<0.004		0.004	mg/L		24-AUG-07	QLI
		Manganese (Mn)	<0.0001		0.0001	mg/L		24-AUG-07	QLI
		Molybdenum (Mo)	<0.00006		0.00006	mg/L		24-AUG-07	QLI
		Nickel (Ni)	<0.00006		0.00006	mg/L		24-AUG-07	QLI
		Potassium (K)	<0.02		0.02	mg/L		24-AUG-07	QLI
		Selenium (Se)	<0.0001		0.0001	mg/L		24-AUG-07	QLI
		Silver (Ag)	<0.0001		0.0001	mg/L		24-AUG-07	QLI
		Sodium (Na)	<0.005		0.005	mg/L		24-AUG-07	QLI
		Strontium (Sr)	<0.0001		0.0001	mg/L		24-AUG-07	QLI
		Uranium (U)	<0.00005		0.00005	mg/L		24-AUG-07	QLI
		Vanadium (V)	<0.00005		0.00005	mg/L		24-AUG-07	QLI
		Zinc (Zn)	<0.0008		0.0008	mg/L		24-AUG-07	QLI
		Iron (Fe)	<0.005		0.005	mg/L		24-AUG-07	HAS
		Mercury (Hg)	<0.00002		0.00002	mg/L		30-AUG-07	DEO
		Ultra-Low Metals							
		Ultra-Low Metals							
		Aluminum (Al)	<0.0003		0.0003	mg/L		24-AUG-07	QLI
		Antimony (Sb)	<0.00003		0.00003	mg/L		24-AUG-07	QLI
		Arsenic (As)	<0.00003		0.00003	mg/L		24-AUG-07	QLI
		Barium (Ba)	<0.00005		0.00005	mg/L		24-AUG-07	QLI
		Beryllium (Be)	<0.0002		0.0002	mg/L		24-AUG-07	QLI
		Boron (B)	<0.001		0.001	mg/L		24-AUG-07	QLI
		Cadmium (Cd)	<0.00005		0.00005	mg/L		24-AUG-07	QLI
		Calcium (Ca)	<0.02		0.02	mg/L		24-AUG-07	QLI
		Chromium (Cr)	<0.00006		0.00006	mg/L		24-AUG-07	QLI
		Cobalt (Co)	<0.0001		0.0001	mg/L		24-AUG-07	QLI
		Copper (Cu)	<0.0006		0.0006	mg/L		24-AUG-07	QLI
		Lead (Pb)	<0.00005		0.00005	mg/L		24-AUG-07	QLI
		Magnesium (Mg)	<0.004		0.004	mg/L		24-AUG-07	QLI
		Manganese (Mn)	<0.0001		0.0001	mg/L		24-AUG-07	QLI
		Molybdenum (Mo)	<0.00006		0.00006	mg/L		24-AUG-07	QLI
		Nickel (Ni)	<0.00006		0.00006	mg/L		24-AUG-07	QLI
		Potassium (K)	<0.02		0.02	mg/L		24-AUG-07	QLI
		Selenium (Se)	<0.0001		0.0001	mg/L		24-AUG-07	QLI
		Silver (Ag)	<0.0001		0.0001	mg/L		24-AUG-07	QLI
		Sodium (Na)	<0.005		0.005	mg/L		24-AUG-07	QLI
		Strontium (Sr)	<0.0001		0.0001	mg/L		24-AUG-07	QLI
		Uranium (U)	<0.00005		0.00005	mg/L		24-AUG-07	QLI
		Vanadium (V)	<0.00005		0.00005	mg/L		24-AUG-07	QLI
		Zinc (Zn)	<0.0008		0.0008	mg/L		24-AUG-07	QLI
		Iron (Fe)	<0.005		0.005	mg/L		24-AUG-07	HAS
		Mercury (Hg)	<0.00002		0.00002	mg/L		30-AUG-07	DEO
		Routine Water: Major Ions,F,Fe,Mn - Low							
		ICP metals for routine water							
		Calcium (Ca)	<0.5		0.5	mg/L		21-AUG-07	WYA
		Magnesium (Mg)	<0.1		0.1	mg/L		21-AUG-07	WYA
		Potassium (K)	<0.1		0.1	mg/L		21-AUG-07	WYA
		Sodium (Na)	<1		1	mg/L		21-AUG-07	WYA
		Ion Balance Calculation							
		Hardness (as CaCO3)	<1			mg/L		22-AUG-07	
		Ion Balance	Low TDS			%		22-AUG-07	
		TDS (Calculated)	<1			mg/L		22-AUG-07	

ALS LABORATORY GROUP CHEMICAL ANALYSIS REPORT

Lab ID	Sample ID	Test Description	Result	Qual.	D.L.	Units	Extracted	Analyzed	By
L544077-11	TRAVEL BLANK								
Sampled By:	NOT PROVIDED								
Matrix:	WATER								
		Routine Water: Major Ions,F,Fe,Mn - Low							
		pH, Conductivity and Total Alkalinity							
		Alkalinity, Total (as CaCO3)	<5		5	mg/L		21-AUG-07	CLT
		Bicarbonate (HCO3)	<5		5	mg/L		21-AUG-07	CLT
		Carbonate (CO3)	<5		5	mg/L		21-AUG-07	CLT
		Conductivity (EC)	0.6		0.2	uS/cm		21-AUG-07	CLT
		Hydroxide (OH)	<5		5	mg/L		21-AUG-07	CLT
		pH	5.6		0.1	pH		21-AUG-07	CLT
		Chloride (Cl)	<1		1	mg/L		21-AUG-07	BOC
		Fluoride (F)	<0.05		0.05	mg/L		21-AUG-07	CLT
		Nitrate+Nitrite-N	<0.006		0.006	mg/L		21-AUG-07	FYG
		Nitrate-N	<0.006		0.006	mg/L		21-AUG-07	FYG
		Nitrite-N	<0.002		0.002	mg/L		21-AUG-07	FYG
		Sulphate (SO4)	<0.05		0.05	mg/L		21-AUG-07	JTV
		Dissolved Metals							
		Silicon (Si)-Dissolved	<0.1		0.1	mg/L		24-AUG-07	HAS
		Inorganic approval & RPD chain							
		Iron (Fe)-Extractable	<0.05		0.05	mg/L		21-AUG-07	JWU
		Manganese (Mn)-Extractable	<0.01		0.01	mg/L		21-AUG-07	JWU
		Total Metals							
		Silicon (Si)-Total	<0.1		0.1	mg/L		24-AUG-07	HAS
		Ammonia-N	0.008		0.005	mg/L		22-AUG-07	HZH
		Bismuth (Bi)	<0.00003		0.00003	mg/L		24-AUG-07	QLI
		Bismuth (Bi)	<0.00003		0.00003	mg/L		24-AUG-07	QLI
		Lithium (Li)	<0.0001		0.0001	mg/L		24-AUG-07	QLI
		Lithium (Li)	<0.0001		0.0001	mg/L		24-AUG-07	QLI
		Phosphorus, Total	<0.001		0.001	mg/L		22-AUG-07	FYG
		Tin (Sn)-Total	<0.0001		0.0001	mg/L		24-AUG-07	QLI
		Tin (Sn)-Dissolved	<0.0001		0.0001	mg/L		24-AUG-07	QLI
		Total Organic Carbon	<1		1	mg/L		21-AUG-07	ZOW
		Total Suspended Solids	<3		3	mg/L		22-AUG-07	SVG
		Turbidity	<0.1		0.1	NTU		21-AUG-07	LD
L544077-12	FIELD BLANK								
Sampled By:	NOT PROVIDED on 17-AUG-07								
Matrix:	WATER								
		Ultra-Low Metals - Dissolved							
		Ultra-Low Metals - Dissolved							
		Aluminum (Al)	0.0113		0.0003	mg/L		24-AUG-07	QLI
		Antimony (Sb)	<0.00003		0.00003	mg/L		24-AUG-07	QLI
		Arsenic (As)	<0.00003		0.00003	mg/L		24-AUG-07	QLI
		Barium (Ba)	0.00016		0.00005	mg/L		24-AUG-07	QLI
		Beryllium (Be)	<0.0002		0.0002	mg/L		24-AUG-07	QLI
		Boron (B)	<0.001		0.001	mg/L		24-AUG-07	QLI
		Cadmium (Cd)	<0.00005		0.00005	mg/L		24-AUG-07	QLI
		Calcium (Ca)	0.16	RRVAP	0.02	mg/L		24-AUG-07	QLI
		Chromium (Cr)	<0.00006		0.00006	mg/L		24-AUG-07	QLI
		Cobalt (Co)	<0.0001		0.0001	mg/L		24-AUG-07	QLI
		Copper (Cu)	<0.0006		0.0006	mg/L		24-AUG-07	QLI
		Lead (Pb)	<0.00005		0.00005	mg/L		24-AUG-07	QLI
		Magnesium (Mg)	<0.004		0.004	mg/L		24-AUG-07	QLI
		Manganese (Mn)	<0.0001		0.0001	mg/L		24-AUG-07	QLI

ALS LABORATORY GROUP CHEMICAL ANALYSIS REPORT

Lab ID	Sample ID	Test Description	Result	Qual.	D.L.	Units	Extracted	Analyzed	By
L544077-12	FIELD BLANK								
Sampled By:	NOT PROVIDED on 17-AUG-07								
Matrix:	WATER								
	Ultra-Low Metals - Dissolved								
	Ultra-Low Metals - Dissolved								
		Molybdenum (Mo)	<0.00006		0.00006	mg/L		24-AUG-07	QLI
		Nickel (Ni)	0.00007		0.00006	mg/L		24-AUG-07	QLI
		Potassium (K)	<0.02		0.02	mg/L		24-AUG-07	QLI
		Selenium (Se)	<0.0001		0.0001	mg/L		24-AUG-07	QLI
		Silver (Ag)	<0.0001		0.0001	mg/L		24-AUG-07	QLI
		Sodium (Na)	0.481	RRVAP	0.005	mg/L		24-AUG-07	QLI
		Strontium (Sr)	0.0002		0.0001	mg/L		24-AUG-07	QLI
		Uranium (U)	<0.00005		0.00005	mg/L		24-AUG-07	QLI
		Vanadium (V)	<0.00005		0.00005	mg/L		24-AUG-07	QLI
		Zinc (Zn)	0.0012		0.0008	mg/L		24-AUG-07	QLI
		Iron (Fe)	<0.005		0.005	mg/L		24-AUG-07	HAS
		Mercury (Hg)	<0.00002		0.00002	mg/L		30-AUG-07	DEO
	Ultra-Low Metals								
	Ultra-Low Metals								
		Aluminum (Al)	0.0110	RRVAP	0.0003	mg/L		24-AUG-07	QLI
		Antimony (Sb)	<0.00003		0.00003	mg/L		24-AUG-07	QLI
		Arsenic (As)	<0.00003		0.00003	mg/L		24-AUG-07	QLI
		Barium (Ba)	0.00017		0.00005	mg/L		24-AUG-07	QLI
		Beryllium (Be)	<0.0002		0.0002	mg/L		24-AUG-07	QLI
		Boron (B)	<0.001		0.001	mg/L		24-AUG-07	QLI
		Cadmium (Cd)	<0.00005		0.00005	mg/L		24-AUG-07	QLI
		Calcium (Ca)	0.14	RRVAP	0.02	mg/L		24-AUG-07	QLI
		Chromium (Cr)	<0.00006		0.00006	mg/L		24-AUG-07	QLI
		Cobalt (Co)	<0.0001		0.0001	mg/L		24-AUG-07	QLI
		Copper (Cu)	<0.0006		0.0006	mg/L		24-AUG-07	QLI
		Lead (Pb)	<0.00005		0.00005	mg/L		24-AUG-07	QLI
		Magnesium (Mg)	<0.004		0.004	mg/L		24-AUG-07	QLI
		Manganese (Mn)	<0.0001		0.0001	mg/L		24-AUG-07	QLI
		Molybdenum (Mo)	<0.00006		0.00006	mg/L		24-AUG-07	QLI
		Nickel (Ni)	<0.00006		0.00006	mg/L		24-AUG-07	QLI
		Potassium (K)	<0.02		0.02	mg/L		24-AUG-07	QLI
		Selenium (Se)	<0.0001		0.0001	mg/L		24-AUG-07	QLI
		Silver (Ag)	<0.0001		0.0001	mg/L		24-AUG-07	QLI
		Sodium (Na)	0.463	RRVAP	0.005	mg/L		24-AUG-07	QLI
		Strontium (Sr)	0.0002		0.0001	mg/L		24-AUG-07	QLI
		Uranium (U)	<0.00005		0.00005	mg/L		24-AUG-07	QLI
		Vanadium (V)	<0.00005		0.00005	mg/L		24-AUG-07	QLI
		Zinc (Zn)	<0.0008		0.0008	mg/L		24-AUG-07	QLI
		Iron (Fe)	<0.005		0.005	mg/L		24-AUG-07	HAS
		Mercury (Hg)	<0.00002		0.00002	mg/L		30-AUG-07	DEO
	Routine Water: Major Ions,F,Fe,Mn - Low								
	ICP metals for routine water								
		Calcium (Ca)	<0.5		0.5	mg/L		21-AUG-07	WYA
		Magnesium (Mg)	<0.1		0.1	mg/L		21-AUG-07	WYA
		Potassium (K)	<0.1		0.1	mg/L		21-AUG-07	WYA
		Sodium (Na)	<1		1	mg/L		21-AUG-07	WYA
	Ion Balance Calculation								
		Hardness (as CaCO3)	<1			mg/L		22-AUG-07	
		Ion Balance	Low TDS			%		22-AUG-07	

ALS LABORATORY GROUP CHEMICAL ANALYSIS REPORT

Lab ID	Sample ID	Test Description	Result	Qual.	D.L.	Units	Extracted	Analyzed	By
L544077-12	FIELD BLANK								
Sampled By:	NOT PROVIDED on 17-AUG-07								
Matrix:	WATER								
		Routine Water: Major Ions,F,Fe,Mn - Low							
		Ion Balance Calculation							
		TDS (Calculated)	<1			mg/L		22-AUG-07	
		pH, Conductivity and Total Alkalinity							
		Alkalinity, Total (as CaCO3)	<5		5	mg/L		21-AUG-07	CLT
		Bicarbonate (HCO3)	<5		5	mg/L		21-AUG-07	CLT
		Carbonate (CO3)	<5		5	mg/L		21-AUG-07	CLT
		Conductivity (EC)	2.5		0.2	uS/cm		21-AUG-07	CLT
		Hydroxide (OH)	<5		5	mg/L		21-AUG-07	CLT
		pH	6.7		0.1	pH		21-AUG-07	CLT
		Chloride (Cl)	<1		1	mg/L		21-AUG-07	BOC
		Fluoride (F)	<0.05		0.05	mg/L		21-AUG-07	CLT
		Nitrate+Nitrite-N	<0.006		0.006	mg/L		21-AUG-07	FYG
		Nitrate-N	<0.006		0.006	mg/L		21-AUG-07	FYG
		Nitrite-N	<0.002		0.002	mg/L		21-AUG-07	FYG
		Sulphate (SO4)	<0.05		0.05	mg/L		21-AUG-07	JTV
		Dissolved Metals							
		Silicon (Si)-Dissolved	0.5		0.1	mg/L		24-AUG-07	HAS
		Inorganic approval & RPD chain							
		Iron (Fe)-Extractable	<0.05		0.05	mg/L		21-AUG-07	JWU
		Manganese (Mn)-Extractable	<0.01		0.01	mg/L		21-AUG-07	JWU
		Total Metals							
		Silicon (Si)-Total	0.5		0.1	mg/L		24-AUG-07	HAS
		Ammonia-N	<0.005		0.005	mg/L		22-AUG-07	HZH
		Bismuth (Bi)	<0.00003		0.00003	mg/L		24-AUG-07	QLI
		Bismuth (Bi)	<0.00003		0.00003	mg/L		24-AUG-07	QLI
		Lithium (Li)	<0.0001		0.0001	mg/L		24-AUG-07	QLI
		Lithium (Li)	<0.0001		0.0001	mg/L		24-AUG-07	QLI
		Phosphorus, Total	<0.001		0.001	mg/L		22-AUG-07	FYG
		Tin (Sn)-Total	0.0036		0.0001	mg/L		24-AUG-07	QLI
		Tin (Sn)-Dissolved	0.0028		0.0001	mg/L		24-AUG-07	QLI
		Total Organic Carbon	<1		1	mg/L		21-AUG-07	ZOW
		Total Suspended Solids	3		3	mg/L		22-AUG-07	SVG
		Turbidity	<0.1		0.1	NTU		21-AUG-07	LD
L544077-13	FILTER BLANK								
Sampled By:	NOT PROVIDED								
Matrix:	FILTER								
		Ultra-Low Metals - Dissolved							
		Ultra-Low Metals - Dissolved							
		Aluminum (Al)	<0.0003		0.0003	mg/L		24-AUG-07	QLI
		Antimony (Sb)	<0.00003		0.00003	mg/L		24-AUG-07	QLI
		Arsenic (As)	<0.00003		0.00003	mg/L		24-AUG-07	QLI
		Barium (Ba)	<0.00005		0.00005	mg/L		24-AUG-07	QLI
		Beryllium (Be)	<0.0002		0.0002	mg/L		24-AUG-07	QLI
		Boron (B)	<0.001		0.001	mg/L		24-AUG-07	QLI
		Cadmium (Cd)	<0.00005		0.00005	mg/L		24-AUG-07	QLI
		Calcium (Ca)	0.06		0.02	mg/L		24-AUG-07	QLI
		Chromium (Cr)	<0.00006		0.00006	mg/L		24-AUG-07	QLI
		Cobalt (Co)	<0.0001		0.0001	mg/L		24-AUG-07	QLI
		Copper (Cu)	<0.0006		0.0006	mg/L		24-AUG-07	QLI
		Lead (Pb)	<0.00005		0.00005	mg/L		24-AUG-07	QLI

ALS LABORATORY GROUP CHEMICAL ANALYSIS REPORT

Lab ID	Sample ID	Test Description	Result	Qual.	D.L.	Units	Extracted	Analyzed	By
L544077-13	FILTER BLANK								
Sampled By:	NOT PROVIDED								
Matrix:	FILTER								
		Ultra-Low Metals - Dissolved							
		Ultra-Low Metals - Dissolved							
		Magnesium (Mg)	<0.004		0.004	mg/L		24-AUG-07	QLI
		Manganese (Mn)	<0.0001		0.0001	mg/L		24-AUG-07	QLI
		Molybdenum (Mo)	<0.00006		0.00006	mg/L		24-AUG-07	QLI
		Nickel (Ni)	0.00012		0.00006	mg/L		24-AUG-07	QLI
		Potassium (K)	<0.02		0.02	mg/L		24-AUG-07	QLI
		Selenium (Se)	<0.0001		0.0001	mg/L		24-AUG-07	QLI
		Silver (Ag)	<0.0001		0.0001	mg/L		24-AUG-07	QLI
		Sodium (Na)	0.033		0.005	mg/L		24-AUG-07	QLI
		Strontium (Sr)	<0.0001		0.0001	mg/L		24-AUG-07	QLI
		Uranium (U)	<0.00005		0.00005	mg/L		24-AUG-07	QLI
		Vanadium (V)	<0.00005		0.00005	mg/L		24-AUG-07	QLI
		Zinc (Zn)	0.0025		0.0008	mg/L		24-AUG-07	QLI
		Iron (Fe)	<0.005		0.005	mg/L		24-AUG-07	HAS
		Mercury (Hg)	<0.00002		0.00002	mg/L		30-AUG-07	DEO
		Dissolved Metals							
		Silicon (Si)-Dissolved	<0.1		0.1	mg/L		24-AUG-07	HAS
		Inorganic approval & RPD chain							
		Iron (Fe)-Extractable	<0.05		0.05	mg/L		22-AUG-07	WYA
		Manganese (Mn)-Extractable	<0.01		0.01	mg/L		22-AUG-07	WYA
		Bismuth (Bi)	<0.00003		0.00003	mg/L		24-AUG-07	QLI
		Lithium (Li)	<0.0001		0.0001	mg/L		24-AUG-07	QLI
		Tin (Sn)-Dissolved	<0.0001		0.0001	mg/L		24-AUG-07	QLI

Reference Information

Sample Parameter Qualifier key listed:

Qualifier	Description
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)
BI-ULTRA-DIS-ED	Water	Bismuth (Bi)-Dissolved		EPA 6020
BI-ULTRA-ED	Water	Bismuth (Bi)		EPA 6020
C-TOT-ORG-ED	Water	Total Organic Carbon		APHA 5310 B
CL-ED	Water	Chloride (Cl)		APHA 4500-CL E
ETL-ROUTINE-LOW-ED	Water	ICP metals for routine water		APHA 3120 B
F-ED	Water	Fluoride (F)		APHA 4500-F C
FE-EXT-ROU-ED	Water	Iron (Fe)-Extractable		APHA 3120 B
HG-ULT-CV-ED	Water	Mercury (Hg)	APHA 3112B	APHA 3112 B
HG-ULT-DIS-CV-ED	Water	Mercury (Hg) - Dissolved	APHA 3112B	APHA 3112 B
IONBALANCE-ED	Water	Ion Balance Calculation		APHA 1030 E
LI-TOT-LOW-ED	Water	Lithium (Li)-Total	EPA3015	EPA 6020
LI-ULTRA-DIS-ED	Water	Lithium (Li)-Dissolved		EPA 6020
LI-ULTRA-ED	Water	Lithium (Li)		EPA 6020
MET1-TOT-LOW-ED	Water	Total Trace Metals (Low Level)	EPA3015	EPA 6020
MET1-ULTRA-DIS-ED	Water	Ultra-Low Metals - Dissolved		EPA 6020
MET1-ULTRA-ED	Water	Ultra-Low Metals		EPA 6020
MET2-TOT-LOW-ED	Water	Total Major Metals	EPA3015	EPA 200.7
MET2-ULTRA-DIS-ED	Water	Major Metals - Dissolved		EPA 200.7
MET2-ULTRA-ED	Water	Major Metals		EPA 200.7
MN-EXT-ROU-ED	Water	Manganese (Mn)-Extractable		APHA 3120 B
N2N3-LOW-ED	Water	Nitrate+Nitrite-N		APHA 4500-NO3 I
NH4-LOW-ED	Water	Ammonia-N		APHA 4500-NH3 F
NO2-LOW-ED	Water	Nitrite-N		APHA 4500-NO2-LOW
NO3-LOW-ED	Water	Nitrate-N		APHA 4500-NO3 I
P-TOTAL-LOW-ED	Water	Phosphorus, Total		APHA 4500-P E-LOW
PH/EC/ALK-ED	Water	pH, Conductivity and Total Alkalinity		APHA 4500H,2510,2320
SI-DIS-ED	Water	Silicon (Si)-Dissolved		EPA 200.7
SI-TOT-ED	Water	Silicon (Si)-Total	EPA3015	EPA 200.7
SN-ULTRA-DIS-ED	Water	Tin (Sn)-Dissolved		EPA 6020
SN-ULTRA-ED	Water	Tin (Sn)		EPA 6020
SO4-LOW-ED	Water	Sulfate (SO4)		APHA 4110 B-LOW
SOLIDS-TOTSUS-ED	Water	Total Suspended Solids		APHA 2540 D

Reference Information

TURBIDITY-ED	Water	Turbidity		APHA 2130 B

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

Chain of Custody numbers:

A073235 A073236

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		

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.

ALS Laboratory Group Quality Control Report

Workorder: L544077 Report Date: 31-AUG-07

Client: EBA ENG CONSULTANTS LTD
201- 4916 49 STREET PO BOX 2244
YELLOWKNIFE NT X1A 2P7

Contact: STEVE MOORE

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
BI-ULTRA-DIS-ED	Water							
Batch R565514								
WG647147-2 CRM		**1643E WATER**						
Bismuth (Bi)			67	G	%		84-115	24-AUG-07
WG647147-1 MB								
Bismuth (Bi)			<0.00003		mg/L		0.00015	24-AUG-07
BI-ULTRA-ED	Water							
Batch R565514								
WG647147-2 CRM		**1643E WATER**						
Bismuth (Bi)			67	G	%		84-115	24-AUG-07
WG647147-4 DUP		**L543414-5**						
Bismuth (Bi)		<0.00003	<0.00003	RPD-NA	mg/L	N/A	28	24-AUG-07
WG647147-5 DUP		**L544077-6**						
Bismuth (Bi)		<0.00003	<0.00003	RPD-NA	mg/L	N/A	28	24-AUG-07
WG647147-6 DUP		**L542157-2**						
Bismuth (Bi)		<0.00003	<0.00003	RPD-NA	mg/L	N/A	28	24-AUG-07
WG647147-7 DUP		**L543364-1**						
Bismuth (Bi)		<0.00003	<0.00003	RPD-NA	mg/L	N/A	28	24-AUG-07
WG647147-1 MB								
Bismuth (Bi)			<0.00003		mg/L		0.00015	24-AUG-07
C-TOT-ORG-ED	Water							
Batch R563854								
WG645809-5 DUP		**L544077-6**						
Total Organic Carbon		1	1	J	mg/L	0	4	21-AUG-07
WG645809-1 LCS								
Total Organic Carbon			98		%		88-108	21-AUG-07
WG645809-4 LCS								
Total Organic Carbon			109		%		99-138	21-AUG-07
WG645809-2 MB								
Total Organic Carbon			<1		mg/L		1	21-AUG-07
WG645809-3 MB								
Total Organic Carbon			<1		mg/L		1	21-AUG-07
WG645809-6 MS		**L544077-6**						
Total Organic Carbon			102		%		77-116	21-AUG-07
CL-ED	Water							
Batch R564017								
WG645592-12 DUP		**L542868-1**						
Chloride (Cl)		<1	<1	RPD-NA	mg/L	N/A	6.5	21-AUG-07
WG645592-5 DUP		**L542157-3**						

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
CL-ED	Water							
Batch R564017								
WG645592-5 DUP		**L542157-3**						
Chloride (Cl)		357	355		mg/L	0.38	6.5	21-AUG-07
WG645592-2 LCS								
Chloride (Cl)			99		%		94-109	21-AUG-07
WG645592-3 LCS								
Chloride (Cl)			100		%		93-113	21-AUG-07
WG645592-1 MB								
Chloride (Cl)			<1		mg/L		1	21-AUG-07
WG645592-13 MS		**L542868-1**						
Chloride (Cl)			100		%		87-117	21-AUG-07
WG645592-6 MS		**L542157-3**						
Chloride (Cl)			107		%		87-117	21-AUG-07
ETL-ROUTINE-LOW-ED	Water							
Batch R563856								
WG645721-3 CRM		**ION-915 WATER**						
Calcium (Ca)			106		%		96-116	21-AUG-07
Magnesium (Mg)			100		%		96-115	21-AUG-07
Potassium (K)			108		%		88-126	21-AUG-07
WG645721-2 LCS								
Calcium (Ca)			96		%		90-110	21-AUG-07
Magnesium (Mg)			99		%		90-110	21-AUG-07
Potassium (K)			97		%		90-110	21-AUG-07
Sodium (Na)			98		%		90-110	21-AUG-07
WG645721-1 MB								
Calcium (Ca)			<0.5		mg/L		2.5	21-AUG-07
Magnesium (Mg)			<0.1		mg/L		0.5	21-AUG-07
Potassium (K)			<0.1		mg/L		0.5	21-AUG-07
Sodium (Na)			<1		mg/L		5	21-AUG-07
Batch R566947								
WG649383-2 LCS								
Calcium (Ca)			97		%		90-110	29-AUG-07
Magnesium (Mg)			101		%		90-110	29-AUG-07
Potassium (K)			101		%		90-110	29-AUG-07
Sodium (Na)			101		%		90-110	29-AUG-07
WG649383-1 MB								
Calcium (Ca)			<0.5		mg/L		2.5	28-AUG-07

ALS Laboratory Group Quality Control Report

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
ETL-ROUTINE-LOW-ED	Water							
Batch R566947								
WG649383-1 MB								
Magnesium (Mg)			<0.1		mg/L		0.5	28-AUG-07
Potassium (K)			<0.1		mg/L		0.5	28-AUG-07
Sodium (Na)			<1		mg/L		5	28-AUG-07
F-ED	Water							
Batch R563855								
WG645722-5 DUP		**L543727-2**						
Fluoride (F)		0.23	0.23	J	mg/L	0.00	0.2	21-AUG-07
WG645722-4 LCS								
Fluoride (F)			104		%		89-114	21-AUG-07
WG645722-1 MB								
Fluoride (F)			<0.05		mg/L		0.05	21-AUG-07
FE-EXT-ROU-ED	Water							
Batch R564242								
WG645978-3 DUP		**L544236-2**						
Iron (Fe)-Extractable		<0.05	<0.05	RPD-NA	mg/L	N/A	9.8	21-AUG-07
WG645978-2 LCS								
Iron (Fe)-Extractable			101		%		95-115	21-AUG-07
WG645978-1 MB								
Iron (Fe)-Extractable			<0.05		mg/L		0.25	21-AUG-07
WG645978-4 MS		**L544236-2**						
Iron (Fe)-Extractable			106		%		97-115	21-AUG-07
Batch R564672								
WG646409-3 DUP		**L544696-1**						
Iron (Fe)-Extractable		<0.05	<0.05	RPD-NA	mg/L	N/A	9.8	22-AUG-07
WG646409-2 LCS								
Iron (Fe)-Extractable			101		%		95-115	22-AUG-07
WG646409-1 MB								
Iron (Fe)-Extractable			<0.05		mg/L		0.25	22-AUG-07
WG646409-4 MS		**L544696-1**						
Iron (Fe)-Extractable			108		%		97-115	22-AUG-07
HG-ULT-CV-ED	Water							
Batch R568125								
WG649774-11 DUP		**L544970-12**						
Mercury (Hg)		<0.00002	<0.00002	RPD-NA	mg/L	N/A	26	30-AUG-07
WG649774-5 DUP		**L544077-11**						
Mercury (Hg)		<0.00002	<0.00002	RPD-NA	mg/L	N/A	26	30-AUG-07

ALS Laboratory Group Quality Control Report

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
HG-ULT-CV-ED	Water							
Batch R568125								
WG649774-2 LCS								
Mercury (Hg)			100		%		63-138	30-AUG-07
WG649774-1 MB								
Mercury (Hg)			<0.00002		mg/L		0.00002	30-AUG-07
WG649774-12 MS		**L544970-12**						
Mercury (Hg)			109		%		63-138	30-AUG-07
WG649774-6 MS		**L544077-11**						
Mercury (Hg)			112		%		63-138	30-AUG-07
HG-ULT-DIS-CV-ED	Water							
Batch R568125								
WG649774-13 DUP		**L545517-3**						
Mercury (Hg)		<0.00002	<0.00002	RPD-NA	mg/L	N/A	26	30-AUG-07
WG649774-3 DUP		**L544077-2**						
Mercury (Hg)		<0.00002	<0.00002	RPD-NA	mg/L	N/A	26	30-AUG-07
WG649774-7 DUP		**L544200-13**						
Mercury (Hg)		<0.00002	<0.00002	RPD-NA	mg/L	N/A	26	30-AUG-07
WG649774-9 DUP		**L544970-4**						
Mercury (Hg)		<0.00002	<0.00002	RPD-NA	mg/L	N/A	26	30-AUG-07
WG649774-2 LCS								
Mercury (Hg)			100		%		63-138	30-AUG-07
WG649774-1 MB								
Mercury (Hg)			<0.00002		mg/L		0.00002	30-AUG-07
WG649774-10 MS		**L544970-4**						
Mercury (Hg)			108		%		63-138	30-AUG-07
WG649774-14 MS		**L545517-3**						
Mercury (Hg)			110		%		63-138	30-AUG-07
WG649774-4 MS		**L544077-2**						
Mercury (Hg)			98		%		63-138	30-AUG-07
WG649774-8 MS		**L544200-13**						
Mercury (Hg)			104		%		63-138	30-AUG-07
LI-TOT-LOW-ED	Water							
Batch R566501								
WG648631-2 DUP		**L542147-3**						
Lithium (Li)-Total		<0.006	<0.006	RPD-NA	mg/L	N/A	12	28-AUG-07
WG648631-1 MB								
Lithium (Li)-Total			<0.006		mg/L		0.03	27-AUG-07
WG648631-3 MS		**L544077-4**						

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
LI-TOT-LOW-ED	Water							
Batch R566501								
WG648631-3 MS		**L544077-4**						
Lithium (Li)-Total			87		%		74-126	28-AUG-07
LI-ULTRA-DIS-ED	Water							
Batch R565514								
WG647147-2 CRM		**1643E WATER**						
Lithium (Li)			105		%		91-118	24-AUG-07
WG647147-1 MB								
Lithium (Li)			<0.0001		mg/L		0.0005	24-AUG-07
LI-ULTRA-ED	Water							
Batch R565514								
WG647147-2 CRM		**1643E WATER**						
Lithium (Li)			105		%		87-114	24-AUG-07
WG647147-4 DUP		**L543414-5**						
Lithium (Li)		0.0013	0.0013		mg/L	1.9	12	24-AUG-07
WG647147-5 DUP		**L544077-6**						
Lithium (Li)		0.0015	0.0016		mg/L	1.7	12	24-AUG-07
WG647147-6 DUP		**L542157-2**						
Lithium (Li)		0.0380	0.0385		mg/L	1.3	12	24-AUG-07
WG647147-7 DUP		**L543364-1**						
Lithium (Li)		0.0032	0.0035		mg/L	8.6	12	24-AUG-07
WG647147-1 MB								
Lithium (Li)			<0.0001		mg/L		0.0005	24-AUG-07
MET1-TOT-LOW-ED	Water							
Batch R566501								
WG648631-2 DUP		**L542147-3**						
Aluminum (Al)		0.06	0.06	J	mg/L	0.00	0.08	28-AUG-07
Antimony (Sb)		<0.005	<0.0004	RPD-NA	mg/L	N/A	10	28-AUG-07
Arsenic (As)		<0.001	<0.0004	RPD-NA	mg/L	N/A	11	28-AUG-07
Barium (Ba)		0.0032	0.0030		mg/L	8.6	10	28-AUG-07
Beryllium (Be)		<0.001	<0.001	RPD-NA	mg/L	N/A	26	28-AUG-07
Bismuth (Bi)		<0.0001	<0.0001	RPD-NA	mg/L	N/A	28	28-AUG-07
Boron (B)		<0.02	<0.02	RPD-NA	mg/L	N/A	10	28-AUG-07
Cadmium (Cd)		<0.0002	<0.0002	RPD-NA	mg/L	N/A	31	28-AUG-07
Chromium (Cr)		<0.0008	<0.0008	RPD-NA	mg/L	N/A	18	28-AUG-07
Cobalt (Co)		<0.0002	<0.0002	RPD-NA	mg/L	N/A	12	28-AUG-07

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
MET1-TOT-LOW-ED	Water							
Batch R566501								
WG648631-2 DUP		**L542147-3**						
Copper (Cu)		0.001	<0.001	RPD-NA	mg/L	N/A	17	28-AUG-07
Lead (Pb)		<0.0001	0.0021	G	mg/L	N/A	12	28-AUG-07
Molybdenum (Mo)		0.0002	0.0002	J	mg/L	0.0000	0.0004	28-AUG-07
Nickel (Ni)		0.0004	0.0003	J	mg/L	0.0001	0.0008	28-AUG-07
Selenium (Se)		<0.0008	<0.0004	RPD-NA	mg/L	N/A	21	28-AUG-07
Silver (Ag)		<0.0004	<0.0004	RPD-NA	mg/L	N/A	33	28-AUG-07
Thallium (Tl)		<0.0001	<0.0001	RPD-NA	mg/L	N/A	26	28-AUG-07
Tin (Sn)		<0.0004	<0.0004	RPD-NA	mg/L	N/A	25	28-AUG-07
Titanium (Ti)		<0.005	<0.005	RPD-NA	mg/L	N/A	32	28-AUG-07
Uranium (U)		<0.0001	<0.0001	RPD-NA	mg/L	N/A	10	28-AUG-07
Vanadium (V)		<0.0002	<0.0002	RPD-NA	mg/L	N/A	24	28-AUG-07
Zinc (Zn)		0.005	0.007	J	mg/L	0.002	0.016	28-AUG-07
Strontium (Sr)		0.0128	0.0092	G	mg/L	30	9.5	28-AUG-07
WG648631-1 MB								
Aluminum (Al)			<0.02		mg/L		0.1	27-AUG-07
Antimony (Sb)			0.0005		mg/L		0.002	27-AUG-07
Arsenic (As)			<0.0004		mg/L		0.002	27-AUG-07
Barium (Ba)			0.0004		mg/L		0.001	27-AUG-07
Beryllium (Be)			<0.001		mg/L		0.005	27-AUG-07
Bismuth (Bi)			<0.0001		mg/L		0.0005	27-AUG-07
Boron (B)			<0.02		mg/L		0.1	27-AUG-07
Cadmium (Cd)			<0.0002		mg/L		0.001	27-AUG-07
Chromium (Cr)			<0.0008		mg/L		0.004	27-AUG-07
Cobalt (Co)			<0.0002		mg/L		0.001	27-AUG-07
Copper (Cu)			<0.001		mg/L		0.005	27-AUG-07
Lead (Pb)			<0.0001		mg/L		0.0005	27-AUG-07
Molybdenum (Mo)			<0.0001		mg/L		0.0005	27-AUG-07
Nickel (Ni)			<0.0002		mg/L		0.001	27-AUG-07
Selenium (Se)			<0.0004		mg/L		0.002	27-AUG-07
Silver (Ag)			<0.0004		mg/L		0.002	27-AUG-07
Tin (Sn)			<0.0004		mg/L		0.002	27-AUG-07
Titanium (Ti)			<0.005		mg/L		0.025	27-AUG-07
Uranium (U)			<0.0001		mg/L		0.0005	27-AUG-07

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
MET1-TOT-LOW-ED	Water							
Batch R566501								
WG648631-1 MB								
Vanadium (V)			<0.0002		mg/L		0.001	27-AUG-07
Zinc (Zn)			<0.004		mg/L		0.02	27-AUG-07
Phosphorus (P)			0.06	A	mg/L		0.05	27-AUG-07
Thallium (Tl)			<0.0001		mg/L		0.0005	28-AUG-07
Strontium (Sr)			0.0030	A	mg/L		0.001	28-AUG-07
WG648631-3 MS		**L544077-4**						
Aluminum (Al)			106		%		71-127	28-AUG-07
Antimony (Sb)			93		%		80-116	28-AUG-07
Arsenic (As)			94		%		78-117	28-AUG-07
Barium (Ba)			94		%		78-121	28-AUG-07
Beryllium (Be)			96		%		68-132	28-AUG-07
Bismuth (Bi)			100		%		76-126	28-AUG-07
Boron (B)			95		%		75-122	28-AUG-07
Cadmium (Cd)			96		%		83-114	28-AUG-07
Chromium (Cr)			100		%		79-115	28-AUG-07
Cobalt (Co)			93		%		78-114	28-AUG-07
Copper (Cu)			91		%		79-112	28-AUG-07
Lead (Pb)			100		%		80-121	28-AUG-07
Molybdenum (Mo)			105		%		79-117	28-AUG-07
Nickel (Ni)			91		%		76-114	28-AUG-07
Phosphorus (P)			89		%		69-121	28-AUG-07
Selenium (Se)			92		%		69-127	28-AUG-07
Silver (Ag)			69		%		7-127	28-AUG-07
Strontium (Sr)			95		%		38-145	28-AUG-07
Thallium (Tl)			112		%		80-123	28-AUG-07
Tin (Sn)			99		%		81-120	28-AUG-07
Titanium (Ti)			105		%		81-116	28-AUG-07
Uranium (U)			104		%		81-123	28-AUG-07
Vanadium (V)			101		%		80-115	28-AUG-07
Zinc (Zn)			84		%		64-125	28-AUG-07
MET1-ULTRA-DIS-ED	Water							

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
MET1-ULTRA-DIS-ED	Water							
Batch R565514								
WG647147-2 CRM		**1643E WATER**						
Aluminum (Al)			105		%		90-122	24-AUG-07
Antimony (Sb)			102		%		86-108	24-AUG-07
Arsenic (As)			97		%		88-109	24-AUG-07
Barium (Ba)			90		%		88-109	24-AUG-07
Beryllium (Be)			97		%		77-110	24-AUG-07
Boron (B)			90		%		80-116	24-AUG-07
Cadmium (Cd)			105		%		93-112	24-AUG-07
Calcium (Ca)			90		%		82-106	24-AUG-07
Chromium (Cr)			105		%		83-118	24-AUG-07
Cobalt (Co)			107		%		90-110	24-AUG-07
Copper (Cu)			101		%		89-112	24-AUG-07
Iron (Fe)			91		%		90-110	24-AUG-07
Magnesium (Mg)			88		%		86-109	24-AUG-07
Manganese (Mn)			101		%		81-120	24-AUG-07
Molybdenum (Mo)			102		%		88-111	24-AUG-07
Nickel (Ni)			103		%		88-110	24-AUG-07
Selenium (Se)			101		%		76-112	24-AUG-07
Sodium (Na)			88		%		86-105	24-AUG-07
Strontium (Sr)			104		%		87-109	24-AUG-07
Vanadium (V)			100		%		89-112	24-AUG-07
Zinc (Zn)			101		%		84-129	24-AUG-07
Lead (Pb)			66	G	%		89-110	24-AUG-07
Potassium (K)			87	G	%		88-120	24-AUG-07
WG647147-1 MB								
Aluminum (Al)			<0.0003		mg/L		0.0015	24-AUG-07
Antimony (Sb)			<0.00003		mg/L		0.00015	24-AUG-07
Arsenic (As)			<0.00003		mg/L		0.00015	24-AUG-07
Barium (Ba)			<0.00005		mg/L		0.00025	24-AUG-07
Beryllium (Be)			<0.0002		mg/L		0.001	24-AUG-07
Boron (B)			<0.001		mg/L		0.005	24-AUG-07
Cadmium (Cd)			<0.00005		mg/L		0.00025	24-AUG-07
Calcium (Ca)			<0.02		mg/L		0.1	24-AUG-07
Chromium (Cr)			<0.00006		mg/L		0.0003	24-AUG-07

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
MET1-ULTRA-DIS-ED	Water							
Batch R565514								
WG647147-1 MB								
Cobalt (Co)			<0.0001		mg/L		0.0005	24-AUG-07
Copper (Cu)			<0.0006		mg/L		0.003	24-AUG-07
Iron (Fe)			<0.005		mg/L		0.025	24-AUG-07
Lead (Pb)			<0.00005		mg/L		0.00025	24-AUG-07
Magnesium (Mg)			<0.004		mg/L		0.02	24-AUG-07
Manganese (Mn)			<0.0001		mg/L		0.0005	24-AUG-07
Molybdenum (Mo)			<0.00006		mg/L		0.0003	24-AUG-07
Nickel (Ni)			<0.00006		mg/L		0.0003	24-AUG-07
Potassium (K)			<0.02		mg/L		0.1	24-AUG-07
Selenium (Se)			<0.0001		mg/L		0.0005	24-AUG-07
Silver (Ag)			<0.0001		mg/L		0.0005	24-AUG-07
Sodium (Na)			<0.005		mg/L		0.025	24-AUG-07
Strontium (Sr)			<0.0001		mg/L		0.0005	24-AUG-07
Uranium (U)			<0.00005		mg/L		0.00025	24-AUG-07
Vanadium (V)			<0.00005		mg/L		0.00025	24-AUG-07
Zinc (Zn)			<0.0008		mg/L		0.004	24-AUG-07
MET1-ULTRA-ED	Water							
Batch R565514								
WG647147-2 CRM		**1643E WATER**						
Aluminum (Al)			105		%		90-122	24-AUG-07
Antimony (Sb)			102		%		86-108	24-AUG-07
Arsenic (As)			97		%		84-105	24-AUG-07
Barium (Ba)			90		%		88-109	24-AUG-07
Beryllium (Be)			97		%		77-110	24-AUG-07
Boron (B)			90		%		80-116	24-AUG-07
Cadmium (Cd)			105		%		87-109	24-AUG-07
Calcium (Ca)			90		%		82-106	24-AUG-07
Chromium (Cr)			105		%		84-118	24-AUG-07
Cobalt (Co)			107		%		90-110	24-AUG-07
Copper (Cu)			101		%		89-112	24-AUG-07
Iron (Fe)			91		%		90-110	24-AUG-07
Magnesium (Mg)			88		%		86-109	24-AUG-07
Manganese (Mn)			101		%		81-120	24-AUG-07

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
MET1-ULTRA-ED	Water							
Batch R565514								
WG647147-2 CRM		**1643E WATER**						
Molybdenum (Mo)			102		%		88-111	24-AUG-07
Nickel (Ni)			103		%		88-110	24-AUG-07
Selenium (Se)			101		%		76-112	24-AUG-07
Silver (Ag)			95		%		4-124	24-AUG-07
Sodium (Na)			88		%		86-105	24-AUG-07
Strontium (Sr)			104		%		87-109	24-AUG-07
Vanadium (V)			100		%		87-109	24-AUG-07
Zinc (Zn)			101		%		65-133	24-AUG-07
Lead (Pb)			66	G	%		89-110	24-AUG-07
Potassium (K)			87	G	%		88-119	24-AUG-07
WG647147-3 DUP		**L542862-1**						
Aluminum (Al)		0.0068	0.0058	G	mg/L	16	15	24-AUG-07
Antimony (Sb)		<0.00003	<0.00003	RPD-NA	mg/L	N/A	10	24-AUG-07
Arsenic (As)		0.00019	0.00019	J	mg/L	0.00000	0.00012	24-AUG-07
Barium (Ba)		0.00428	0.00425		mg/L	0.71	10	24-AUG-07
Beryllium (Be)		<0.0002	<0.0002	RPD-NA	mg/L	N/A	26	24-AUG-07
Boron (B)		0.001	0.001	J	mg/L	0.000	0.004	24-AUG-07
Cadmium (Cd)		<0.00005	<0.00005	RPD-NA	mg/L	N/A	31	24-AUG-07
Calcium (Ca)		0.95	0.95		mg/L	0.049	9.8	24-AUG-07
Chromium (Cr)		<0.00006	<0.00006	RPD-NA	mg/L	N/A	18	24-AUG-07
Cobalt (Co)		<0.0001	<0.0001	RPD-NA	mg/L	N/A	12	24-AUG-07
Copper (Cu)		<0.0006	<0.0006	RPD-NA	mg/L	N/A	17	24-AUG-07
Iron (Fe)		0.010	0.011	J	mg/L	0.001	0.02	24-AUG-07
Lead (Pb)		<0.00005	<0.00005	RPD-NA	mg/L	N/A	12	24-AUG-07
Magnesium (Mg)		0.638	0.638		mg/L	0.0031	9.8	24-AUG-07
Manganese (Mn)		0.0018	0.0019		mg/L	0.72	10	24-AUG-07
Molybdenum (Mo)		0.00018	0.00017	J	mg/L	0.00002	0.00024	24-AUG-07
Nickel (Ni)		0.00098	0.00096		mg/L	1.6	10	24-AUG-07
Potassium (K)		0.56	0.55		mg/L	0.45	9.8	24-AUG-07
Selenium (Se)		<0.0001	<0.0001	RPD-NA	mg/L	N/A	21	24-AUG-07
Silver (Ag)		<0.0001	<0.0001	RPD-NA	mg/L	N/A	33	24-AUG-07
Sodium (Na)		0.736	0.742		mg/L	0.87	9.8	24-AUG-07
Strontium (Sr)		0.0087	0.0087		mg/L	0.072	9.5	24-AUG-07

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
MET1-ULTRA-ED	Water							
Batch R565514								
WG647147-3 DUP		**L542862-1**						
Uranium (U)		0.00007	0.00007	J	mg/L	0.00000	0.0002	24-AUG-07
Vanadium (V)		<0.00005	<0.00005	RPD-NA	mg/L	N/A	24	24-AUG-07
Zinc (Zn)		0.0009	0.0009	J	mg/L	0.0000	0.0032	24-AUG-07
WG647147-4 DUP		**L543414-5**						
Aluminum (Al)		0.0195	0.0194		mg/L	0.45	15	24-AUG-07
Antimony (Sb)		<0.00003	<0.00003	RPD-NA	mg/L	N/A	10	24-AUG-07
Arsenic (As)		0.00024	0.00023	J	mg/L	0.00000	0.00012	24-AUG-07
Barium (Ba)		0.00279	0.00281		mg/L	0.81	10	24-AUG-07
Beryllium (Be)		<0.0002	<0.0002	RPD-NA	mg/L	N/A	26	24-AUG-07
Boron (B)		0.001	0.001	J	mg/L	0.000	0.004	24-AUG-07
Cadmium (Cd)		<0.00005	<0.00005	RPD-NA	mg/L	N/A	31	24-AUG-07
Calcium (Ca)		0.68	0.68		mg/L	0.45	9.8	24-AUG-07
Chromium (Cr)		<0.00006	<0.00006	RPD-NA	mg/L	N/A	18	24-AUG-07
Cobalt (Co)		<0.0001	<0.0001	RPD-NA	mg/L	N/A	12	24-AUG-07
Copper (Cu)		0.0007	0.0007	J	mg/L	0.0000	0.0024	24-AUG-07
Iron (Fe)		0.057	0.058		mg/L	1.7	10	24-AUG-07
Lead (Pb)		<0.00005	<0.00005	RPD-NA	mg/L	N/A	12	24-AUG-07
Magnesium (Mg)		0.437	0.447		mg/L	2.2	9.8	24-AUG-07
Manganese (Mn)		0.0021	0.0021		mg/L	0.22	10	24-AUG-07
Molybdenum (Mo)		<0.00006	<0.00006	RPD-NA	mg/L	N/A	10	24-AUG-07
Nickel (Ni)		0.00114	0.00114		mg/L	0.0087	10	24-AUG-07
Potassium (K)		0.38	0.38		mg/L	1.2	9.8	24-AUG-07
Selenium (Se)		<0.0001	<0.0001	RPD-NA	mg/L	N/A	21	24-AUG-07
Silver (Ag)		<0.0001	<0.0001	RPD-NA	mg/L	N/A	33	24-AUG-07
Sodium (Na)		0.518	0.534		mg/L	3.0	9.8	24-AUG-07
Strontium (Sr)		0.0055	0.0055		mg/L	0.23	9.5	24-AUG-07
Uranium (U)		<0.00005	<0.00005	RPD-NA	mg/L	N/A	10	24-AUG-07
Vanadium (V)		<0.00005	0.00005	RPD-NA	mg/L	N/A	24	24-AUG-07
Zinc (Zn)		<0.0008	<0.0008	RPD-NA	mg/L	N/A	29	24-AUG-07
WG647147-5 DUP		**L544077-6**						
Aluminum (Al)		0.0557	0.0550		mg/L	1.2	15	24-AUG-07
Antimony (Sb)		0.00021	0.00021	J	mg/L	0.00000	0.00012	24-AUG-07
Arsenic (As)		0.00117	0.00116		mg/L	1.1	11	24-AUG-07

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
MET1-ULTRA-ED	Water							
Batch R565514								
WG647147-5 DUP		**L544077-6**						
Barium (Ba)		0.0528	0.0529		mg/L	0.27	10	24-AUG-07
Beryllium (Be)		<0.0002	<0.0002	RPD-NA	mg/L	N/A	26	24-AUG-07
Boron (B)		<0.001	<0.001	RPD-NA	mg/L	N/A	10	24-AUG-07
Cadmium (Cd)		0.00019	0.00019	J	mg/L	0.00001	0.0002	24-AUG-07
Calcium (Ca)		27.7	27.4		mg/L	1.0	9.8	24-AUG-07
Chromium (Cr)		0.00014	0.00018	J	mg/L	0.00004	0.00024	24-AUG-07
Cobalt (Co)		0.0014	0.0014		mg/L	0.015	12	24-AUG-07
Copper (Cu)		0.0009	0.0009	J	mg/L	0.0000	0.0024	24-AUG-07
Iron (Fe)		0.017	0.017	J	mg/L	0.000	0.02	24-AUG-07
Lead (Pb)		<0.00005	<0.00005	RPD-NA	mg/L	N/A	12	24-AUG-07
Magnesium (Mg)		3.64	3.63		mg/L	0.34	9.8	24-AUG-07
Manganese (Mn)		0.0213	0.0212		mg/L	0.54	10	24-AUG-07
Molybdenum (Mo)		0.00164	0.00164		mg/L	0.34	10	24-AUG-07
Nickel (Ni)		0.00575	0.00582		mg/L	1.2	10	24-AUG-07
Potassium (K)		0.82	0.81		mg/L	1.3	9.8	24-AUG-07
Selenium (Se)		0.0012	0.0013		mg/L	4.3	21	24-AUG-07
Silver (Ag)		<0.0001	<0.0001	RPD-NA	mg/L	N/A	33	24-AUG-07
Sodium (Na)		0.453	0.453		mg/L	0.067	9.8	24-AUG-07
Strontium (Sr)		0.0736	0.0740		mg/L	0.53	9.5	24-AUG-07
Uranium (U)		0.00105	0.00107		mg/L	2.2	10	24-AUG-07
Vanadium (V)		0.00017	0.00017	J	mg/L	0.00000	0.0002	24-AUG-07
Zinc (Zn)		0.0091	0.0089		mg/L	1.5	29	24-AUG-07
WG647147-6 DUP		**L542157-2**						
Aluminum (Al)		0.0301	0.0321		mg/L	6.4	15	24-AUG-07
Antimony (Sb)		0.00018	0.00018	J	mg/L	0.00000	0.00012	24-AUG-07
Arsenic (As)		0.00213	0.00222		mg/L	4.0	11	24-AUG-07
Barium (Ba)		0.0358	0.0359		mg/L	0.27	10	24-AUG-07
Beryllium (Be)		<0.0002	<0.0002	RPD-NA	mg/L	N/A	26	24-AUG-07
Boron (B)		0.096	0.098		mg/L	2.4	10	24-AUG-07
Cadmium (Cd)		<0.00005	<0.00005	RPD-NA	mg/L	N/A	31	24-AUG-07
Chromium (Cr)		0.00149	0.00150		mg/L	0.28	18	24-AUG-07
Cobalt (Co)		<0.0001	<0.0001	RPD-NA	mg/L	N/A	12	24-AUG-07
Copper (Cu)		<0.0006	<0.0006	RPD-NA	mg/L	N/A	17	24-AUG-07

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
MET1-ULTRA-ED	Water							
Batch R565514								
WG647147-6 DUP		**L542157-2**						
Lead (Pb)		0.00006	0.00006	J	mg/L	0.00000	0.0002	24-AUG-07
Manganese (Mn)		0.0025	0.0025		mg/L	1.9	10	24-AUG-07
Molybdenum (Mo)		0.00385	0.00386		mg/L	0.43	10	24-AUG-07
Nickel (Ni)		0.00093	0.00092		mg/L	0.90	10	24-AUG-07
Silver (Ag)		<0.0001	<0.0001	RPD-NA	mg/L	N/A	33	24-AUG-07
Strontium (Sr)		2.29	2.30		mg/L	0.69	9.5	24-AUG-07
Uranium (U)		0.00023	0.00023	J	mg/L	0.00001	0.0002	24-AUG-07
Vanadium (V)		0.00153	0.00160		mg/L	5.0	24	24-AUG-07
Zinc (Zn)		<0.0008	<0.0008	RPD-NA	mg/L	N/A	29	24-AUG-07
WG647147-7 DUP		**L543364-1**						
Aluminum (Al)		0.0069	0.0069		mg/L	0.77	15	24-AUG-07
Antimony (Sb)		<0.00003	<0.00003	RPD-NA	mg/L	N/A	10	24-AUG-07
Arsenic (As)		0.00022	0.00022	J	mg/L	0.00000	0.00012	24-AUG-07
Barium (Ba)		0.00889	0.00874		mg/L	1.7	10	24-AUG-07
Beryllium (Be)		<0.0002	<0.0002	RPD-NA	mg/L	N/A	26	24-AUG-07
Boron (B)		0.009	0.008	J	mg/L	0.000	0.004	24-AUG-07
Cadmium (Cd)		<0.00005	<0.00005	RPD-NA	mg/L	N/A	31	24-AUG-07
Chromium (Cr)		<0.00006	<0.00006	RPD-NA	mg/L	N/A	18	24-AUG-07
Cobalt (Co)		<0.0001	<0.0001	RPD-NA	mg/L	N/A	12	24-AUG-07
Copper (Cu)		<0.0006	<0.0006	RPD-NA	mg/L	N/A	17	24-AUG-07
Iron (Fe)		<0.005	<0.005	RPD-NA	mg/L	N/A	10	24-AUG-07
Lead (Pb)		<0.00005	<0.00005	RPD-NA	mg/L	N/A	12	24-AUG-07
Manganese (Mn)		0.0055	0.0055		mg/L	0.40	10	24-AUG-07
Molybdenum (Mo)		0.00021	0.00022	J	mg/L	0.00001	0.00024	24-AUG-07
Nickel (Ni)		0.00033	0.00032	J	mg/L	0.00001	0.00024	24-AUG-07
Silver (Ag)		<0.0001	<0.0001	RPD-NA	mg/L	N/A	33	24-AUG-07
Strontium (Sr)		0.182	0.179		mg/L	1.5	9.5	24-AUG-07
Uranium (U)		<0.00005	<0.00005	RPD-NA	mg/L	N/A	10	24-AUG-07
Vanadium (V)		<0.00005	<0.00005	RPD-NA	mg/L	N/A	24	24-AUG-07
Zinc (Zn)		<0.0008	<0.0008	RPD-NA	mg/L	N/A	29	24-AUG-07
WG647147-1 MB								
Aluminum (Al)			<0.0003		mg/L		0.0015	24-AUG-07
Antimony (Sb)			<0.00003		mg/L		0.00015	24-AUG-07

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Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
MET1-ULTRA-ED	Water							
Batch R565514								
WG647147-1 MB								
Arsenic (As)			<0.00003		mg/L		0.00015	24-AUG-07
Barium (Ba)			<0.00005		mg/L		0.00025	24-AUG-07
Beryllium (Be)			<0.0002		mg/L		0.001	24-AUG-07
Boron (B)			<0.001		mg/L		0.005	24-AUG-07
Cadmium (Cd)			<0.00005		mg/L		0.00025	24-AUG-07
Calcium (Ca)			<0.02		mg/L		0.1	24-AUG-07
Chromium (Cr)			<0.00006		mg/L		0.0003	24-AUG-07
Cobalt (Co)			<0.0001		mg/L		0.0005	24-AUG-07
Copper (Cu)			<0.0006		mg/L		0.003	24-AUG-07
Iron (Fe)			<0.005		mg/L		0.025	24-AUG-07
Lead (Pb)			<0.00005		mg/L		0.00025	24-AUG-07
Magnesium (Mg)			<0.004		mg/L		0.02	24-AUG-07
Manganese (Mn)			<0.0001		mg/L		0.0005	24-AUG-07
Molybdenum (Mo)			<0.00006		mg/L		0.0003	24-AUG-07
Nickel (Ni)			<0.00006		mg/L		0.0003	24-AUG-07
Potassium (K)			<0.02		mg/L		0.1	24-AUG-07
Selenium (Se)			<0.0001		mg/L		0.0005	24-AUG-07
Silver (Ag)			<0.0001		mg/L		0.0005	24-AUG-07
Sodium (Na)			<0.005		mg/L		0.025	24-AUG-07
Strontium (Sr)			<0.0001		mg/L		0.0005	24-AUG-07
Uranium (U)			<0.00005		mg/L		0.00025	24-AUG-07
Vanadium (V)			<0.00005		mg/L		0.00025	24-AUG-07
Zinc (Zn)			<0.0008		mg/L		0.004	24-AUG-07
MET2-TOT-LOW-ED	Water							
Batch R566586								
WG648631-2 DUP		**L542147-3**						
Iron (Fe)		0.243	0.239		mg/L	1.6	16	27-AUG-07
Manganese (Mn)		0.005	0.005	J	mg/L	0.000	0.004	27-AUG-07
WG648631-1 MB								
Calcium (Ca)			<0.5		mg/L		2.5	27-AUG-07
Iron (Fe)			<0.005		mg/L		0.025	27-AUG-07
Magnesium (Mg)			<0.1		mg/L		0.5	27-AUG-07
Manganese (Mn)			<0.001		mg/L		0.005	27-AUG-07

ALS Laboratory Group Quality Control Report

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
MET2-TOT-LOW-ED	Water							
Batch R566586								
WG648631-1 MB								
Potassium (K)			<0.1		mg/L		0.5	27-AUG-07
Sodium (Na)			<1		mg/L		5	27-AUG-07
WG648631-3 MS		**L544077-4**						
Calcium (Ca)			87		%		38-131	27-AUG-07
Iron (Fe)			96		%		78-117	27-AUG-07
Magnesium (Mg)			91		%		62-122	27-AUG-07
Manganese (Mn)			96		%		79-112	27-AUG-07
Potassium (K)			94		%		81-119	27-AUG-07
Sodium (Na)			97		%		64-127	27-AUG-07
MET2-ULTRA-DIS-ED	Water							
Batch R565799								
WG647577-10 DUP		**L544077-2**						
Iron (Fe)		<0.005	<0.005	RPD-NA	mg/L	N/A	9.8	24-AUG-07
WG647577-14 DUP		**L544077-13**						
Iron (Fe)		<0.005	<0.005	RPD-NA	mg/L	N/A	9.8	24-AUG-07
WG647577-2 DUP		**L542862-1**						
Iron (Fe)		0.008	0.008	J	mg/L	0.000	0.02	24-AUG-07
WG647577-6 DUP		**L543414-1**						
Iron (Fe)		0.078	0.078		mg/L	0.23	9.8	24-AUG-07
WG647577-8 DUP		**L543414-6**						
Iron (Fe)		0.029	0.029	J	mg/L	0.000	0.02	24-AUG-07
WG647577-1 MB								
Iron (Fe)			<0.005		mg/L		0.025	24-AUG-07
WG647577-11 MS		**L544077-2**						
Iron (Fe)			98		%		88-111	24-AUG-07
WG647577-15 MS		**L544077-13**						
Iron (Fe)			99		%		88-111	24-AUG-07
WG647577-3 MS		**L542862-1**						
Iron (Fe)			97		%		88-111	24-AUG-07
WG647577-7 MS		**L543414-1**						
Iron (Fe)			98		%		88-111	24-AUG-07
WG647577-9 MS		**L543414-6**						
Iron (Fe)			98		%		88-111	24-AUG-07
MET2-ULTRA-ED	Water							

ALS Laboratory Group Quality Control Report

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
MET2-ULTRA-ED	Water							
Batch R565799								
WG647577-12 DUP		**L544077-8**						
Iron (Fe)		1.47	1.44		mg/L	1.6	16	24-AUG-07
WG647577-4 DUP		**L543364-1**						
Iron (Fe)		0.010	0.010		mg/L	1.0		24-AUG-07
WG647577-1 MB								
Iron (Fe)			<0.005		mg/L		0.025	24-AUG-07
WG647577-13 MS		**L544077-8**						
Iron (Fe)			98		%		78-117	24-AUG-07
WG647577-5 MS		**L543364-1**						
Iron (Fe)			99		%		78-117	24-AUG-07
MN-EXT-ROU-ED	Water							
Batch R564242								
WG645978-3 DUP		**L544236-2**						
Manganese (Mn)-Extractable		<0.01	<0.01	RPD-NA	mg/L	N/A	10	21-AUG-07
WG645978-2 LCS								
Manganese (Mn)-Extractable			99		%		97-115	21-AUG-07
WG645978-1 MB								
Manganese (Mn)-Extractable			<0.01		mg/L		0.05	21-AUG-07
WG645978-4 MS		**L544236-2**						
Manganese (Mn)-Extractable			90		%		82-112	21-AUG-07
Batch R564672								
WG646409-2 LCS								
Manganese (Mn)-Extractable			102		%		97-115	22-AUG-07
WG646409-1 MB								
Manganese (Mn)-Extractable			<0.01		mg/L		0.05	22-AUG-07
N2N3-LOW-ED	Water							
Batch R564147								
WG646042-6 DUP		**L544077-10**						
Nitrate+Nitrite-N		<0.006	<0.006	RPD-NA	mg/L	N/A	10	21-AUG-07
WG646042-2 LCS								
Nitrate+Nitrite-N			100		%		89-108	21-AUG-07
WG646042-1 MB								
Nitrate+Nitrite-N			<0.006		mg/L		0.006	21-AUG-07
WG646042-4 MS		**L544077-12**						
Nitrate+Nitrite-N			105		%		73-121	21-AUG-07
WG646042-5 MS		**L544077-11**						
Nitrate+Nitrite-N			103		%		73-121	21-AUG-07

ALS Laboratory Group Quality Control Report

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
NH4-LOW-ED	Water							
Batch R564403								
WG646227-5 DUP		**L542862-1**						
Ammonia-N		0.027	0.024	J	mg/L	0.002	0.02	22-AUG-07
WG646227-7 DUP		**L544077-12**						
Ammonia-N		<0.005	<0.005	RPD-NA	mg/L	N/A	10	22-AUG-07
WG646227-2 LCS								
Ammonia-N			107		%		81-118	22-AUG-07
WG646227-3 LCS								
Ammonia-N			106		%		88-111	22-AUG-07
WG646227-1 MB								
Ammonia-N			<0.005		mg/L		0.005	22-AUG-07
WG646227-6 MS		**L544077-7**						
Ammonia-N			97		%		75-122	22-AUG-07
WG646227-8 MS		**L544338-5**						
Ammonia-N			103		%		75-122	22-AUG-07
NO2-LOW-ED	Water							
Batch R564147								
WG646042-6 DUP		**L544077-10**						
Nitrite-N		<0.002	<0.002	RPD-NA	mg/L	N/A	9.1	21-AUG-07
WG646042-2 LCS								
Nitrite-N			102		%		90-108	21-AUG-07
WG646042-1 MB								
Nitrite-N			<0.002		mg/L		0.002	21-AUG-07
WG646042-4 MS		**L544077-12**						
Nitrite-N			106		%		78-122	21-AUG-07
WG646042-5 MS		**L544077-11**						
Nitrite-N			105		%		78-122	21-AUG-07
P-TOTAL-LOW-ED	Water							
Batch R564710								
WG646354-3 DUP		**L542157-1**						
Phosphorus, Total		0.007	0.007	J	mg/L	0.000	0.004	22-AUG-07
WG646354-5 DUP		**L544077-11**						
Phosphorus, Total		<0.001	<0.001	RPD-NA	mg/L	N/A	9.7	22-AUG-07
WG646354-2 LCS								
Phosphorus, Total			105		%		80-116	22-AUG-07
WG646354-1 MB								
Phosphorus, Total			<0.001		mg/L		0.001	22-AUG-07
WG646354-4 MS		**L542902-2**						

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
P-TOTAL-LOW-ED	Water							
Batch R564710								
WG646354-4 MS		**L542902-2**						
Phosphorus, Total			104		%		79-118	22-AUG-07
WG646354-6 MS		**L544077-12**						
Phosphorus, Total			109		%		79-118	22-AUG-07
PH/EC/ALK-ED	Water							
Batch R563855								
WG645722-6 DUP		**L544097-8**						
Alkalinity, Total (as CaCO3)		264	267		mg/L	0.99	6.5	21-AUG-07
Bicarbonate (HCO3)		323	326		mg/L	0.99	26	21-AUG-07
Carbonate (CO3)		<5	<5	RPD-NA	mg/L	N/A	26	21-AUG-07
Conductivity (EC)		665	665		uS/cm	0.0	7.1	21-AUG-07
Hydroxide (OH)		<5	<5	RPD-NA	mg/L	N/A	26	21-AUG-07
pH		8.0	8.0	J	pH	0.0	0.2	21-AUG-07
WG645722-2 LCS								
Conductivity (EC)			98		%		94-106	21-AUG-07
WG645722-3 LCS								
pH			7.0		pH		6.9-7.1	21-AUG-07
WG645722-4 LCS								
Alkalinity, Total (as CaCO3)			105		%		90-110	21-AUG-07
WG645722-1 MB								
Alkalinity, Total (as CaCO3)			<5		mg/L		5	21-AUG-07
Bicarbonate (HCO3)			<5		mg/L		5	21-AUG-07
Carbonate (CO3)			<5		mg/L		5	21-AUG-07
Hydroxide (OH)			<5		mg/L		5	21-AUG-07
SI-DIS-ED	Water							
Batch R565799								
WG647577-10 DUP		**L544077-2**						
Silicon (Si)-Dissolved		3.3	3.4		mg/L	3.1	26	24-AUG-07
WG647577-14 DUP		**L544077-13**						
Silicon (Si)-Dissolved		<0.1	<0.1	RPD-NA	mg/L	N/A	26	24-AUG-07
WG647577-6 DUP		**L543414-1**						
Silicon (Si)-Dissolved		0.2	0.2	J	mg/L	0.0	0.4	24-AUG-07
WG647577-8 DUP		**L543414-6**						
Silicon (Si)-Dissolved		0.1	0.1	J	mg/L	0.0	0.4	24-AUG-07
WG647577-1 MB								
Silicon (Si)-Dissolved			<0.1		mg/L		0.1	24-AUG-07

ALS Laboratory Group Quality Control Report

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
SI-DIS-ED	Water							
Batch R565799								
WG647577-1 MB								
Silicon (Si)-Dissolved			<0.1		mg/L		0.1	24-AUG-07
WG647577-11 MS		**L544077-2**						
Silicon (Si)-Dissolved			97		%		63-138	24-AUG-07
WG647577-15 MS		**L544077-13**						
Silicon (Si)-Dissolved			99		%		63-138	24-AUG-07
WG647577-7 MS		**L543414-1**						
Silicon (Si)-Dissolved			100		%		63-138	24-AUG-07
WG647577-9 MS		**L543414-6**						
Silicon (Si)-Dissolved			98		%		63-138	24-AUG-07
SI-TOT-ED	Water							
Batch R565799								
WG647577-12 DUP		**L544077-8**						
Silicon (Si)-Total		2.8	2.7		mg/L	1.5	26	24-AUG-07
WG647577-1 MB								
Silicon (Si)-Total			<0.1		mg/L		0.1	24-AUG-07
WG647577-13 MS		**L544077-8**						
Silicon (Si)-Total			98		%		63-138	24-AUG-07
Batch R566586								
WG648631-1 MB								
Silicon (Si)-Total			<0.1		mg/L		0.1	27-AUG-07
WG648631-3 MS		**L544077-4**						
Silicon (Si)-Total			152	E	%		63-138	27-AUG-07
SN-ULTRA-DIS-ED	Water							
Batch R565514								
WG647147-1 MB								
Tin (Sn)-Dissolved			<0.0001		mg/L		0.0005	24-AUG-07
SN-ULTRA-ED	Water							
Batch R565514								
WG647147-4 DUP		**L543414-5**						
Tin (Sn)-Total		<0.0001	<0.0001	RPD-NA	mg/L	N/A	25	24-AUG-07
WG647147-5 DUP		**L544077-6**						
Tin (Sn)-Total		<0.0001	<0.0001	RPD-NA	mg/L	N/A	25	24-AUG-07
WG647147-1 MB								
Tin (Sn)-Total			<0.0001		mg/L		0.0005	24-AUG-07
SO4-LOW-ED	Water							

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
SO4-LOW-ED	Water							
Batch R561175								
WG639815-13 DUP		**L542868-4**						
Sulphate (SO4)		<0.05	<0.05	RPD-NA	mg/L	N/A	11	16-AUG-07
WG639815-17 DUP		**L542854-10**						
Sulphate (SO4)		45.9	45.8		mg/L	0.22	11	17-AUG-07
WG639815-19 DUP		**L543414-9**						
Sulphate (SO4)		<0.05	<0.05	RPD-NA	mg/L	N/A	11	20-AUG-07
WG639815-23 DUP		**L544077-12**						
Sulphate (SO4)		<0.05	<0.05	RPD-NA	mg/L	N/A	11	21-AUG-07
WG639815-9 DUP		**L469444-26**						
Sulphate (SO4)		<0.05	<0.05	RPD-NA	mg/L	N/A	11	16-AUG-07
WG639815-2 LCS								
Sulphate (SO4)			103		%		88-110	16-AUG-07
WG639815-1 MB								
Sulphate (SO4)			<0.05		mg/L		0.05	16-AUG-07
WG639815-10 MS		**L469444-26**						
Sulphate (SO4)			100		%		75-117	16-AUG-07
WG639815-14 MS		**L542868-4**						
Sulphate (SO4)			101		%		75-117	16-AUG-07
WG639815-18 MS		**L542854-10**						
Sulphate (SO4)			101		%		75-117	17-AUG-07
WG639815-20 MS		**L543414-9**						
Sulphate (SO4)			98		%		75-117	20-AUG-07
WG639815-24 MS		**L544077-12**						
Sulphate (SO4)			101		%		75-117	21-AUG-07
Batch R564721								
WG646740-11 DUP		**L545519-4**						
Sulphate (SO4)		<0.05	<0.05	RPD-NA	mg/L	N/A	11	24-AUG-07
WG646740-19 DUP		**L544971-1**						
Sulphate (SO4)		48.0	47.9		mg/L	0.23	11	23-AUG-07
WG646740-21 DUP		**L544977-1**						
Sulphate (SO4)		2.09	2.10		mg/L	0.24	11	23-AUG-07
WG646740-3 DUP		**L544077-2**						
Sulphate (SO4)		117	117		mg/L	0.82	11	22-AUG-07
WG646740-7 DUP		**L544200-24**						
Sulphate (SO4)		2.86	2.82		mg/L	1.2	11	24-AUG-07
WG646740-9 DUP		**L546051-4**						
Sulphate (SO4)		10.2	10.2		mg/L	0.020	11	24-AUG-07
WG646740-2 LCS								

ALS Laboratory Group Quality Control Report

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
SO4-LOW-ED	Water							
Batch R564721								
WG646740-2 LCS								
Sulphate (SO4)			104		%		88-110	22-AUG-07
WG646740-1 MB								
Sulphate (SO4)			<0.05		mg/L		0.05	22-AUG-07
WG646740-10 MS		**L546051-4**						
Sulphate (SO4)			100		%		75-117	24-AUG-07
WG646740-12 MS		**L545519-4**						
Sulphate (SO4)			101		%		75-117	24-AUG-07
WG646740-20 MS		**L544971-1**						
Sulphate (SO4)			89		%		75-117	23-AUG-07
WG646740-22 MS		**L544977-1**						
Sulphate (SO4)			110		%		75-117	23-AUG-07
WG646740-4 MS		**L544077-2**						
Sulphate (SO4)			95		%		75-117	22-AUG-07
WG646740-8 MS		**L544200-24**						
Sulphate (SO4)			107		%		75-117	24-AUG-07
SOLIDS-TOTSUS-ED	Water							
Batch R564463								
WG646093-3 DUP		**L544332-1**						
Total Suspended Solids		21	19	J	mg/L	2	12	22-AUG-07
WG646093-2 LCS								
Total Suspended Solids			96		%		82-111	22-AUG-07
WG646093-1 MB								
Total Suspended Solids			<3		mg/L		3	22-AUG-07
TURBIDITY-ED	Water							
Batch R563822								
WG645700-1 DUP		**L544077-12**						
Turbidity		<0.1	<0.1	RPD-NA	NTU	N/A	8.8	21-AUG-07
WG645700-2 MB								
Turbidity			<0.1		NTU		0.1	21-AUG-07

ALS Laboratory Group Quality Control Report

Legend:

Limit	99% Confidence Interval (Laboratory Control Limits)
DUP	Duplicate
RPD	Relative Percent Difference
N/A	Not Available
LCS	Laboratory Control Sample
SRM	Standard Reference Material
MS	Matrix Spike
MSD	Matrix Spike Duplicate
ADE	Average Desorption Efficiency
MB	Method Blank
IRM	Internal Reference Material
CRM	Certified Reference Material
CCV	Continuing Calibration Verification
CVS	Calibration Verification Standard
LCSD	Laboratory Control Sample Duplicate

Qualifier:

RPD-NA	Relative Percent Difference Not Available due to result(s) being less than detection limit.
A	Method blank exceeds acceptance limit. Blank correction not applied, unless the qualifier "RAMB" (result adjusted for method blank) appears in the Analytical Report.
B	Method blank result exceeds acceptance limit, however, it is less than 5% of sample concentration. Blank correction not applied.
E	Matrix spike recovery may fall outside the acceptance limits due to high sample background.
F	Silver recovery low, likely due to elevated chloride levels in sample.
G	Outlier - No assignable cause for nonconformity has been determined.
J	Duplicate results and limit(s) are expressed in terms of absolute difference.
K	The sample referenced above is of a non-standard matrix type; standard QC acceptance criteria may not be achievable.
L	Low matrix spike recovery due to instability of spiked analyte in the sample matrix.

ANALYTICAL REPORT

EBA ENG CONSULTANTS LTD

ATTN: STEVE MOORE

201- 4916 49 STREET
PO BOX 2244
YELLOWKNIFE NT X1A 2P7

Reported On: 26-SEP-07 04:34 PM
Revision: 1

Lab Work Order #: **L551811** **Date Received:** **10-SEP-07**

Project P.O. #:
Job Reference: W23101021.005
Legal Site Desc:
CofC Numbers: A065101, A065102

Other Information:

Comments:

CHARLES LEBLANC
General Manager, Edmonton

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

CATHERINE EVARISTO-CORDERO

ALS LABORATORY GROUP CHEMICAL ANALYSIS REPORT

Lab ID	Sample ID	Test Description	Result	Qual.	D.L.	Units	Extracted	Analyzed	By
L551811-1	STATION 1								
Sampled By:	SM/CJ on 04-SEP-07 @ 14:00								
Matrix:	WATER								
	Ultra-Low Metals - Dissolved								
	Ultra-Low Metals - Dissolved								
		Aluminum (Al)	0.0484		0.0003	mg/L		17-SEP-07	QLI
		Antimony (Sb)	0.00029		0.00003	mg/L		17-SEP-07	QLI
		Arsenic (As)	0.00035		0.00003	mg/L		17-SEP-07	QLI
		Barium (Ba)	0.0421		0.00005	mg/L		17-SEP-07	QLI
		Beryllium (Be)	<0.0002		0.0002	mg/L		17-SEP-07	QLI
		Boron (B)	0.007		0.001	mg/L		17-SEP-07	QLI
		Cadmium (Cd)	0.00238		0.00005	mg/L		17-SEP-07	QLI
		Calcium (Ca)	65.3		0.02	mg/L		17-SEP-07	QLI
		Chromium (Cr)	0.00013		0.00006	mg/L		17-SEP-07	QLI
		Cobalt (Co)	0.0061		0.0001	mg/L		17-SEP-07	QLI
		Copper (Cu)	0.0019		0.0006	mg/L		17-SEP-07	QLI
		Lead (Pb)	<0.00005		0.00005	mg/L		17-SEP-07	QLI
		Magnesium (Mg)	6.15		0.004	mg/L		17-SEP-07	QLI
		Manganese (Mn)	0.0988		0.0001	mg/L		17-SEP-07	QLI
		Molybdenum (Mo)	0.00368		0.00006	mg/L		17-SEP-07	QLI
		Nickel (Ni)	0.0558		0.00006	mg/L		17-SEP-07	QLI
		Potassium (K)	1.24		0.02	mg/L		17-SEP-07	QLI
		Selenium (Se)	0.0033		0.0001	mg/L		17-SEP-07	QLI
		Silver (Ag)	<0.0001		0.0001	mg/L		17-SEP-07	QLI
		Sodium (Na)	2.20		0.005	mg/L		17-SEP-07	QLI
		Strontium (Sr)	0.158		0.0001	mg/L		17-SEP-07	QLI
		Uranium (U)	0.00085		0.00005	mg/L		17-SEP-07	QLI
		Vanadium (V)	0.00031		0.00005	mg/L		17-SEP-07	QLI
		Zinc (Zn)	0.153		0.0008	mg/L		17-SEP-07	QLI
		Iron (Fe)	<0.005		0.005	mg/L		14-SEP-07	HAS
		Mercury (Hg)	<0.00002		0.00002	mg/L		19-SEP-07	DEO
	Ultra-Low Metals								
	Ultra-Low Metals								
		Aluminum (Al)	1.42		0.0003	mg/L		17-SEP-07	QLI
		Antimony (Sb)	0.00029		0.00003	mg/L		17-SEP-07	QLI
		Arsenic (As)	0.00090		0.00003	mg/L		17-SEP-07	QLI
		Barium (Ba)	0.0429		0.00005	mg/L		17-SEP-07	QLI
		Beryllium (Be)	<0.0002		0.0002	mg/L		17-SEP-07	QLI
		Boron (B)	0.007		0.001	mg/L		17-SEP-07	QLI
		Cadmium (Cd)	0.00269		0.00005	mg/L		17-SEP-07	QLI
		Calcium (Ca)	65.0		0.02	mg/L		17-SEP-07	QLI
		Chromium (Cr)	0.00027		0.00006	mg/L		17-SEP-07	QLI
		Cobalt (Co)	0.0063		0.0001	mg/L		17-SEP-07	QLI
		Copper (Cu)	0.0199		0.0006	mg/L		17-SEP-07	QLI
		Lead (Pb)	<0.00005		0.00005	mg/L		17-SEP-07	QLI
		Magnesium (Mg)	6.13		0.004	mg/L		17-SEP-07	QLI
		Manganese (Mn)	0.0996		0.0001	mg/L		17-SEP-07	QLI
		Molybdenum (Mo)	0.00332		0.00006	mg/L		17-SEP-07	QLI
		Nickel (Ni)	0.0569		0.00006	mg/L		17-SEP-07	QLI
		Potassium (K)	1.26		0.02	mg/L		17-SEP-07	QLI
		Selenium (Se)	0.0027		0.0001	mg/L		17-SEP-07	QLI
		Silver (Ag)	<0.0001		0.0001	mg/L		17-SEP-07	QLI
		Sodium (Na)	2.22		0.005	mg/L		17-SEP-07	QLI
		Strontium (Sr)	0.131		0.0001	mg/L		17-SEP-07	QLI
		Uranium (U)	0.00412		0.00005	mg/L		17-SEP-07	QLI
		Vanadium (V)	0.00086		0.00005	mg/L		17-SEP-07	QLI
		Zinc (Zn)	0.262		0.0008	mg/L		17-SEP-07	QLI

ALS LABORATORY GROUP CHEMICAL ANALYSIS REPORT

Lab ID	Sample ID	Test Description	Result	Qual.	D.L.	Units	Extracted	Analyzed	By
L551811-1	STATION 1								
Sampled By:	SM/CJ on 04-SEP-07 @ 14:00								
Matrix:	WATER								
		Ultra-Low Metals							
		Iron (Fe)	0.262		0.005	mg/L		14-SEP-07	HAS
		Mercury (Hg)	<0.00002		0.00002	mg/L		19-SEP-07	DEO
		Routine Water: Major Ions,F,Fe,Mn - Low							
		ICP metals for routine water							
		Calcium (Ca)	60.4		0.5	mg/L		12-SEP-07	JWU
		Magnesium (Mg)	6.5		0.1	mg/L		12-SEP-07	JWU
		Potassium (K)	1.2		0.1	mg/L		12-SEP-07	JWU
		Sodium (Na)	2		1	mg/L		12-SEP-07	JWU
		Ion Balance Calculation							
		Hardness (as CaCO3)	178			mg/L		16-SEP-07	
		Ion Balance	99.8			%		16-SEP-07	
		TDS (Calculated)	232			mg/L		16-SEP-07	
		pH, Conductivity and Total Alkalinity							
		Alkalinity, Total (as CaCO3)	41		5	mg/L		12-SEP-07	CLT
		Bicarbonate (HCO3)	49		5	mg/L		12-SEP-07	CLT
		Carbonate (CO3)	<5		5	mg/L		12-SEP-07	CLT
		Conductivity (EC)	379		0.2	uS/cm		12-SEP-07	CLT
		Hydroxide (OH)	<5		5	mg/L		12-SEP-07	CLT
		pH	7.8		0.1	pH		12-SEP-07	CLT
		Chloride (Cl)	<1		1	mg/L		12-SEP-07	BOC/
		Fluoride (F)	0.31		0.05	mg/L		12-SEP-07	CLT
		Nitrate+Nitrite-N	0.048		0.006	mg/L		11-SEP-07	FYG
		Nitrate-N	0.048		0.006	mg/L		11-SEP-07	FYG
		Nitrite-N	<0.002		0.002	mg/L		11-SEP-07	FYG
		Sulphate (SO4)	137		0.05	mg/L		13-SEP-07	DDN
		Dissolved Metals							
		Silicon (Si)-Dissolved	3.2		0.1	mg/L		14-SEP-07	HAS
		Inorganic approval & RPD chain							
		Iron (Fe)-Extractable	0.26		0.05	mg/L		19-SEP-07	JWU
		Manganese (Mn)-Extractable	0.09		0.01	mg/L		19-SEP-07	JWU
		Total Metals							
		Silicon (Si)-Total	3.4		0.1	mg/L		14-SEP-07	HAS
		Ammonia-N	<0.005		0.005	mg/L		16-SEP-07	HZH
		Bismuth (Bi)	<0.00003		0.00003	mg/L		17-SEP-07	QLI
		Bismuth (Bi)	<0.00003		0.00003	mg/L		17-SEP-07	QLI
		Lithium (Li)	0.0054		0.0001	mg/L		17-SEP-07	QLI
		Lithium (Li)	0.0051		0.0001	mg/L		17-SEP-07	QLI
		Phosphorus, Total	0.004		0.001	mg/L		13-SEP-07	FYG
		Tin (Sn)-Total	<0.0001		0.0001	mg/L		17-SEP-07	QLI
		Tin (Sn)-Dissolved	<0.0001		0.0001	mg/L		17-SEP-07	QLI
		Total Organic Carbon	<1		1	mg/L		12-SEP-07	ZOW
		Total Suspended Solids	9		3	mg/L		12-SEP-07	SVG
		Turbidity	4.2		0.1	NTU		12-SEP-07	LD
L551811-2	STATION 2								
Sampled By:	SM/CJ on 04-SEP-07 @ 14:30								
Matrix:	WATER								
		Ultra-Low Metals - Dissolved							
		Ultra-Low Metals - Dissolved							
		Aluminum (Al)	0.0204		0.0003	mg/L		17-SEP-07	QLI
		Antimony (Sb)	0.00012		0.00003	mg/L		17-SEP-07	QLI

ALS LABORATORY GROUP CHEMICAL ANALYSIS REPORT

Lab ID	Sample ID	Test Description	Result	Qual.	D.L.	Units	Extracted	Analyzed	By
L551811-2	STATION 2								
Sampled By:	SM/CJ on 04-SEP-07 @ 14:30								
Matrix:	WATER								
	Ultra-Low Metals - Dissolved								
	Ultra-Low Metals - Dissolved								
		Arsenic (As)	0.00009		0.00003	mg/L		17-SEP-07	QLI
		Barium (Ba)	0.0449		0.00005	mg/L		17-SEP-07	QLI
		Beryllium (Be)	<0.0002		0.0002	mg/L		17-SEP-07	QLI
		Boron (B)	0.004		0.001	mg/L		17-SEP-07	QLI
		Cadmium (Cd)	0.00775		0.00005	mg/L		17-SEP-07	QLI
		Calcium (Ca)	44.3		0.02	mg/L		17-SEP-07	QLI
		Chromium (Cr)	0.00008		0.00006	mg/L		17-SEP-07	QLI
		Cobalt (Co)	0.0165		0.0001	mg/L		17-SEP-07	QLI
		Copper (Cu)	0.0118		0.0006	mg/L		17-SEP-07	QLI
		Lead (Pb)	<0.00005		0.00005	mg/L		17-SEP-07	QLI
		Magnesium (Mg)	10.3		0.004	mg/L		17-SEP-07	QLI
		Manganese (Mn)	0.183		0.0001	mg/L		17-SEP-07	QLI
		Molybdenum (Mo)	0.00089		0.00006	mg/L		17-SEP-07	QLI
		Nickel (Ni)	0.146		0.00006	mg/L		17-SEP-07	QLI
		Potassium (K)	0.77		0.02	mg/L		17-SEP-07	QLI
		Selenium (Se)	0.0024		0.0001	mg/L		17-SEP-07	QLI
		Silver (Ag)	<0.0001		0.0001	mg/L		17-SEP-07	QLI
		Sodium (Na)	1.02		0.005	mg/L		17-SEP-07	QLI
		Strontium (Sr)	0.118	RRVAP	0.0001	mg/L		17-SEP-07	QLI
		Uranium (U)	0.00008		0.00005	mg/L		17-SEP-07	QLI
		Vanadium (V)	<0.00005		0.00005	mg/L		17-SEP-07	QLI
		Zinc (Zn)	0.450		0.0008	mg/L		17-SEP-07	QLI
	Iron (Fe)		0.170		0.005	mg/L		14-SEP-07	HAS
	Mercury (Hg)		<0.00002		0.00002	mg/L		19-SEP-07	DEO
	Ultra-Low Metals								
	Ultra-Low Metals								
		Aluminum (Al)	4.88		0.0003	mg/L		17-SEP-07	QLI
		Antimony (Sb)	0.00017		0.00003	mg/L		17-SEP-07	QLI
		Arsenic (As)	0.00039		0.00003	mg/L		17-SEP-07	QLI
		Barium (Ba)	0.0456		0.00005	mg/L		17-SEP-07	QLI
		Beryllium (Be)	0.0004		0.0002	mg/L		17-SEP-07	QLI
		Boron (B)	0.003		0.001	mg/L		17-SEP-07	QLI
		Cadmium (Cd)	0.00795		0.00005	mg/L		17-SEP-07	QLI
		Calcium (Ca)	43.6		0.02	mg/L		17-SEP-07	QLI
		Chromium (Cr)	0.00102		0.00006	mg/L		17-SEP-07	QLI
		Cobalt (Co)	0.0156		0.0001	mg/L		17-SEP-07	QLI
		Copper (Cu)	0.0442		0.0006	mg/L		17-SEP-07	QLI
		Lead (Pb)	<0.00005		0.00005	mg/L		17-SEP-07	QLI
		Magnesium (Mg)	10.2		0.004	mg/L		17-SEP-07	QLI
		Manganese (Mn)	0.182		0.0001	mg/L		17-SEP-07	QLI
		Molybdenum (Mo)	0.00097		0.00006	mg/L		17-SEP-07	QLI
		Nickel (Ni)	0.142		0.00006	mg/L		17-SEP-07	QLI
		Potassium (K)	0.76		0.02	mg/L		17-SEP-07	QLI
		Selenium (Se)	0.0017		0.0001	mg/L		17-SEP-07	QLI
		Silver (Ag)	<0.0001		0.0001	mg/L		17-SEP-07	QLI
		Sodium (Na)	0.993		0.005	mg/L		17-SEP-07	QLI
		Strontium (Sr)	0.0869		0.0001	mg/L		17-SEP-07	QLI
		Uranium (U)	0.00254		0.00005	mg/L		17-SEP-07	QLI
		Vanadium (V)	0.00171		0.00005	mg/L		17-SEP-07	QLI
		Zinc (Zn)	0.480		0.0008	mg/L		17-SEP-07	QLI
	Iron (Fe)		1.44		0.005	mg/L		14-SEP-07	HAS
	Mercury (Hg)		<0.00002		0.00002	mg/L		19-SEP-07	DEO

ALS LABORATORY GROUP CHEMICAL ANALYSIS REPORT

Lab ID	Sample ID	Test Description	Result	Qual.	D.L.	Units	Extracted	Analyzed	By
L551811-2	STATION 2								
Sampled By:	SM/CJ on 04-SEP-07 @ 14:30								
Matrix:	WATER								
		Routine Water: Major Ions,F,Fe,Mn - Low							
		ICP metals for routine water							
		Calcium (Ca)	41.6		0.5	mg/L		12-SEP-07	JWU
		Magnesium (Mg)	11.3		0.1	mg/L		12-SEP-07	JWU
		Potassium (K)	0.6		0.1	mg/L		12-SEP-07	JWU
		Sodium (Na)	<1		1	mg/L		12-SEP-07	JWU
		Ion Balance Calculation							
		Hardness (as CaCO3)	150			mg/L		16-SEP-07	
		Ion Balance	99.6			%		16-SEP-07	
		TDS (Calculated)	196			mg/L		16-SEP-07	
		pH, Conductivity and Total Alkalinity							
		Alkalinity, Total (as CaCO3)	7		5	mg/L		12-SEP-07	CLT
		Bicarbonate (HCO3)	9		5	mg/L		12-SEP-07	CLT
		Carbonate (CO3)	<5		5	mg/L		12-SEP-07	CLT
		Conductivity (EC)	328		0.2	uS/cm		12-SEP-07	CLT
		Hydroxide (OH)	<5		5	mg/L		12-SEP-07	CLT
		pH	6.9		0.1	pH		12-SEP-07	CLT
		Chloride (Cl)	<1		1	mg/L		12-SEP-07	BOC/
		Fluoride (F)	0.19		0.05	mg/L		12-SEP-07	CLT
		Nitrate+Nitrite-N	0.053		0.006	mg/L		11-SEP-07	FYG
		Nitrate-N	0.053		0.006	mg/L		11-SEP-07	FYG
		Nitrite-N	<0.002		0.002	mg/L		11-SEP-07	FYG
		Sulphate (SO4)	138		0.05	mg/L		13-SEP-07	DDN
		Dissolved Metals							
		Silicon (Si)-Dissolved	3.1		0.1	mg/L		14-SEP-07	HAS
		Inorganic approval & RPD chain							
		Iron (Fe)-Extractable	<0.05		0.05	mg/L		19-SEP-07	JWU
		Manganese (Mn)-Extractable	0.17		0.01	mg/L		19-SEP-07	JWU
		Total Metals							
		Silicon (Si)-Total	3.4		0.1	mg/L		14-SEP-07	HAS
		Ammonia-N	0.011		0.005	mg/L		16-SEP-07	HZH
		Bismuth (Bi)	<0.00003		0.00003	mg/L		17-SEP-07	QLI
		Bismuth (Bi)	<0.00003		0.00003	mg/L		17-SEP-07	QLI
		Lithium (Li)	0.0112		0.0001	mg/L		17-SEP-07	QLI
		Lithium (Li)	0.0107		0.0001	mg/L		17-SEP-07	QLI
		Phosphorus, Total	0.021		0.001	mg/L		13-SEP-07	FYG
		Tin (Sn)-Total	<0.0001		0.0001	mg/L		17-SEP-07	QLI
		Tin (Sn)-Dissolved	<0.0001		0.0001	mg/L		17-SEP-07	QLI
		Total Organic Carbon	1		1	mg/L		12-SEP-07	ZOW
		Total Suspended Solids	24		3	mg/L		12-SEP-07	SVG
		Turbidity	11		0.1	NTU		12-SEP-07	LD
L551811-3	STATION 3								
Sampled By:	SM/CJ on 04-SEP-07 @ 15:00								
Matrix:	WATER								
		Ultra-Low Metals - Dissolved							
		Ultra-Low Metals - Dissolved							
		Aluminum (Al)	0.0374		0.0003	mg/L		17-SEP-07	QLI
		Antimony (Sb)	0.00005		0.00003	mg/L		17-SEP-07	QLI
		Arsenic (As)	0.00028		0.00003	mg/L		17-SEP-07	QLI
		Barium (Ba)	0.0179		0.00005	mg/L		17-SEP-07	QLI
		Beryllium (Be)	<0.0002		0.0002	mg/L		17-SEP-07	QLI

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Lab ID	Sample ID	Test Description	Result	Qual.	D.L.	Units	Extracted	Analyzed	By
L551811-3	STATION 3								
Sampled By:	SM/CJ on 04-SEP-07 @ 15:00								
Matrix:	WATER								
		Ultra-Low Metals - Dissolved							
		Ultra-Low Metals - Dissolved							
		Boron (B)	0.004		0.001	mg/L		17-SEP-07	QLI
		Cadmium (Cd)	<0.00005		0.00005	mg/L		17-SEP-07	QLI
		Calcium (Ca)	13.6		0.02	mg/L		17-SEP-07	QLI
		Chromium (Cr)	0.00006		0.00006	mg/L		17-SEP-07	QLI
		Cobalt (Co)	0.0014		0.0001	mg/L		17-SEP-07	QLI
		Copper (Cu)	0.0008		0.0006	mg/L		17-SEP-07	QLI
		Lead (Pb)	<0.00005		0.00005	mg/L		17-SEP-07	QLI
		Magnesium (Mg)	5.71		0.004	mg/L		17-SEP-07	QLI
		Manganese (Mn)	0.0466		0.0001	mg/L		17-SEP-07	QLI
		Molybdenum (Mo)	0.00023		0.00006	mg/L		17-SEP-07	QLI
		Nickel (Ni)	0.00559		0.00006	mg/L		17-SEP-07	QLI
		Potassium (K)	0.41		0.02	mg/L		17-SEP-07	QLI
		Selenium (Se)	0.0002		0.0001	mg/L		17-SEP-07	QLI
		Silver (Ag)	<0.0001		0.0001	mg/L		17-SEP-07	QLI
		Sodium (Na)	0.628		0.005	mg/L		17-SEP-07	QLI
		Strontium (Sr)	0.0415		0.0001	mg/L		17-SEP-07	QLI
		Uranium (U)	0.00031		0.00005	mg/L		17-SEP-07	QLI
		Vanadium (V)	0.00005		0.00005	mg/L		17-SEP-07	QLI
		Zinc (Zn)	0.0081		0.0008	mg/L		17-SEP-07	QLI
		Iron (Fe)	0.010		0.005	mg/L		14-SEP-07	HAS
		Mercury (Hg)	<0.00002		0.00002	mg/L		19-SEP-07	DEO
		Ultra-Low Metals							
		Ultra-Low Metals							
		Aluminum (Al)	0.327		0.0003	mg/L		17-SEP-07	QLI
		Antimony (Sb)	0.00005		0.00003	mg/L		17-SEP-07	QLI
		Arsenic (As)	0.00058		0.00003	mg/L		17-SEP-07	QLI
		Barium (Ba)	0.0237		0.00005	mg/L		17-SEP-07	QLI
		Beryllium (Be)	<0.0002		0.0002	mg/L		17-SEP-07	QLI
		Boron (B)	0.003		0.001	mg/L		17-SEP-07	QLI
		Cadmium (Cd)	0.00005		0.00005	mg/L		17-SEP-07	QLI
		Calcium (Ca)	13.9		0.02	mg/L		17-SEP-07	QLI
		Chromium (Cr)	0.00037		0.00006	mg/L		17-SEP-07	QLI
		Cobalt (Co)	0.0016		0.0001	mg/L		17-SEP-07	QLI
		Copper (Cu)	0.0016		0.0006	mg/L		17-SEP-07	QLI
		Lead (Pb)	0.00023		0.00005	mg/L		17-SEP-07	QLI
		Magnesium (Mg)	5.92		0.004	mg/L		17-SEP-07	QLI
		Manganese (Mn)	0.0534		0.0001	mg/L		17-SEP-07	QLI
		Molybdenum (Mo)	0.00022		0.00006	mg/L		17-SEP-07	QLI
		Nickel (Ni)	0.00583		0.00006	mg/L		17-SEP-07	QLI
		Potassium (K)	0.58		0.02	mg/L		17-SEP-07	QLI
		Selenium (Se)	0.0002		0.0001	mg/L		17-SEP-07	QLI
		Silver (Ag)	<0.0001		0.0001	mg/L		17-SEP-07	QLI
		Sodium (Na)	0.587		0.005	mg/L		17-SEP-07	QLI
		Strontium (Sr)	0.0422		0.0001	mg/L		17-SEP-07	QLI
		Uranium (U)	0.00047		0.00005	mg/L		17-SEP-07	QLI
		Vanadium (V)	0.00099		0.00005	mg/L		17-SEP-07	QLI
		Zinc (Zn)	0.0080		0.0008	mg/L		17-SEP-07	QLI
		Iron (Fe)	0.495		0.005	mg/L		14-SEP-07	HAS
		Mercury (Hg)	<0.00002		0.00002	mg/L		19-SEP-07	DEO
		Routine Water: Major Ions,F,Fe,Mn - Low							
		ICP metals for routine water							
		Calcium (Ca)	13.5		0.5	mg/L		12-SEP-07	JWU

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Lab ID	Sample ID	Test Description	Result	Qual.	D.L.	Units	Extracted	Analyzed	By
L551811-3	STATION 3								
Sampled By:	SM/CJ on 04-SEP-07 @ 15:00								
Matrix:	WATER								
		Routine Water: Major Ions,F,Fe,Mn - Low							
		ICP metals for routine water							
		Magnesium (Mg)	6.5		0.1	mg/L		12-SEP-07	JWU
		Potassium (K)	0.5		0.1	mg/L		12-SEP-07	JWU
		Sodium (Na)	<1		1	mg/L		12-SEP-07	JWU
		Ion Balance Calculation							
		Hardness (as CaCO3)	60			mg/L		16-SEP-07	
		Ion Balance	95.9			%		16-SEP-07	
		TDS (Calculated)	74			mg/L		16-SEP-07	
		pH, Conductivity and Total Alkalinity							
		Alkalinity, Total (as CaCO3)	22		5	mg/L		12-SEP-07	CLT
		Bicarbonate (HCO3)	26		5	mg/L		12-SEP-07	CLT
		Carbonate (CO3)	<5		5	mg/L		12-SEP-07	CLT
		Conductivity (EC)	135		0.2	uS/cm		12-SEP-07	CLT
		Hydroxide (OH)	<5		5	mg/L		12-SEP-07	CLT
		pH	7.6		0.1	pH		12-SEP-07	CLT
		Chloride (Cl)	<1		1	mg/L		12-SEP-07	BOC/
		Fluoride (F)	0.08		0.05	mg/L		12-SEP-07	CLT
		Nitrate+Nitrite-N	0.008		0.006	mg/L		11-SEP-07	FYG
		Nitrate-N	0.008		0.006	mg/L		11-SEP-07	FYG
		Nitrite-N	<0.002		0.002	mg/L		11-SEP-07	FYG
		Sulphate (SO4)	40.5		0.05	mg/L		13-SEP-07	DDN
		Dissolved Metals							
		Silicon (Si)-Dissolved	1.3		0.1	mg/L		14-SEP-07	HAS
		Inorganic approval & RPD chain							
		Iron (Fe)-Extractable	<0.05		0.05	mg/L		19-SEP-07	JWU
		Manganese (Mn)-Extractable	0.03		0.01	mg/L		19-SEP-07	JWU
		Total Metals							
		Silicon (Si)-Total	1.7		0.1	mg/L		14-SEP-07	HAS
		Ammonia-N	0.011		0.005	mg/L		16-SEP-07	HZH
		Bismuth (Bi)	<0.00003		0.00003	mg/L		17-SEP-07	QLI
		Bismuth (Bi)	<0.00003		0.00003	mg/L		17-SEP-07	QLI
		Lithium (Li)	0.0032		0.0001	mg/L		17-SEP-07	QLI
		Lithium (Li)	0.0024		0.0001	mg/L		17-SEP-07	QLI
		Phosphorus, Total	0.007		0.001	mg/L		13-SEP-07	FYG
		Tin (Sn)-Total	<0.0001		0.0001	mg/L		17-SEP-07	QLI
		Tin (Sn)-Dissolved	<0.0001		0.0001	mg/L		17-SEP-07	QLI
		Total Organic Carbon	1		1	mg/L		12-SEP-07	ZOW
		Total Suspended Solids	4		3	mg/L		12-SEP-07	SVG
		Turbidity	6.0		0.1	NTU		12-SEP-07	LD
L551811-4	STATION 3 DUPLICATE								
Sampled By:	SM/CJ on 04-SEP-07 @ 15:00								
Matrix:	WATER								
		Ultra-Low Metals - Dissolved							
		Ultra-Low Metals - Dissolved							
		Aluminum (Al)	0.0367		0.0003	mg/L		17-SEP-07	QLI
		Antimony (Sb)	0.00005		0.00003	mg/L		17-SEP-07	QLI
		Arsenic (As)	0.00029		0.00003	mg/L		17-SEP-07	QLI
		Barium (Ba)	0.0177		0.00005	mg/L		17-SEP-07	QLI
		Beryllium (Be)	<0.0002		0.0002	mg/L		17-SEP-07	QLI
		Boron (B)	0.004		0.001	mg/L		17-SEP-07	QLI

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Lab ID	Sample ID	Test Description	Result	Qual.	D.L.	Units	Extracted	Analyzed	By
L551811-4	STATION 3 DUPLICATE								
Sampled By:	SM/CJ on 04-SEP-07 @ 15:00								
Matrix:	WATER								
	Ultra-Low Metals - Dissolved								
		Ultra-Low Metals - Dissolved							
		Cadmium (Cd)	<0.00005		0.00005	mg/L		17-SEP-07	QLI
		Calcium (Ca)	13.6		0.02	mg/L		17-SEP-07	QLI
		Chromium (Cr)	0.00011		0.00006	mg/L		17-SEP-07	QLI
		Cobalt (Co)	0.0014		0.0001	mg/L		17-SEP-07	QLI
		Copper (Cu)	0.0008		0.0006	mg/L		17-SEP-07	QLI
		Lead (Pb)	<0.00005		0.00005	mg/L		17-SEP-07	QLI
		Magnesium (Mg)	5.60		0.004	mg/L		17-SEP-07	QLI
		Manganese (Mn)	0.0464		0.0001	mg/L		17-SEP-07	QLI
		Molybdenum (Mo)	0.00024		0.00006	mg/L		17-SEP-07	QLI
		Nickel (Ni)	0.00550		0.00006	mg/L		17-SEP-07	QLI
		Potassium (K)	0.40		0.02	mg/L		17-SEP-07	QLI
		Selenium (Se)	0.0002		0.0001	mg/L		17-SEP-07	QLI
		Silver (Ag)	<0.0001		0.0001	mg/L		17-SEP-07	QLI
		Sodium (Na)	0.566		0.005	mg/L		17-SEP-07	QLI
		Strontium (Sr)	0.0409		0.0001	mg/L		17-SEP-07	QLI
		Uranium (U)	0.00030		0.00005	mg/L		17-SEP-07	QLI
		Vanadium (V)	<0.00005		0.00005	mg/L		17-SEP-07	QLI
		Zinc (Zn)	0.0084		0.0008	mg/L		17-SEP-07	QLI
		Iron (Fe)	0.010		0.005	mg/L		14-SEP-07	HAS
		Mercury (Hg)	<0.00002		0.00002	mg/L		19-SEP-07	DEO
	Ultra-Low Metals								
		Ultra-Low Metals							
		Aluminum (Al)	0.303		0.0003	mg/L		17-SEP-07	QLI
		Antimony (Sb)	0.00005		0.00003	mg/L		17-SEP-07	QLI
		Arsenic (As)	0.00054		0.00003	mg/L		17-SEP-07	QLI
		Barium (Ba)	0.0228		0.00005	mg/L		17-SEP-07	QLI
		Beryllium (Be)	<0.0002		0.0002	mg/L		17-SEP-07	QLI
		Boron (B)	0.003		0.001	mg/L		17-SEP-07	QLI
		Cadmium (Cd)	<0.00005		0.00005	mg/L		17-SEP-07	QLI
		Calcium (Ca)	13.6		0.02	mg/L		17-SEP-07	QLI
		Chromium (Cr)	0.00033		0.00006	mg/L		17-SEP-07	QLI
		Cobalt (Co)	0.0016		0.0001	mg/L		17-SEP-07	QLI
		Copper (Cu)	0.0015		0.0006	mg/L		17-SEP-07	QLI
		Lead (Pb)	0.00022		0.00005	mg/L		17-SEP-07	QLI
		Magnesium (Mg)	5.69		0.004	mg/L		17-SEP-07	QLI
		Manganese (Mn)	0.0517		0.0001	mg/L		17-SEP-07	QLI
		Molybdenum (Mo)	0.00020		0.00006	mg/L		17-SEP-07	QLI
		Nickel (Ni)	0.00569		0.00006	mg/L		17-SEP-07	QLI
		Potassium (K)	0.55		0.02	mg/L		17-SEP-07	QLI
		Selenium (Se)	0.0002		0.0001	mg/L		17-SEP-07	QLI
		Silver (Ag)	<0.0001		0.0001	mg/L		17-SEP-07	QLI
		Sodium (Na)	0.559		0.005	mg/L		17-SEP-07	QLI
		Strontium (Sr)	0.0412		0.0001	mg/L		17-SEP-07	QLI
		Uranium (U)	0.00046		0.00005	mg/L		17-SEP-07	QLI
		Vanadium (V)	0.00094		0.00005	mg/L		17-SEP-07	QLI
		Zinc (Zn)	0.0081		0.0008	mg/L		17-SEP-07	QLI
		Iron (Fe)	0.487		0.005	mg/L		14-SEP-07	HAS
		Mercury (Hg)	<0.00002		0.00002	mg/L		19-SEP-07	DEO
	Routine Water: Major Ions,F,Fe,Mn - Low								
		ICP metals for routine water							
		Calcium (Ca)	13.3		0.5	mg/L		12-SEP-07	JWU
		Magnesium (Mg)	6.4		0.1	mg/L		12-SEP-07	JWU

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Lab ID	Sample ID	Test Description	Result	Qual.	D.L.	Units	Extracted	Analyzed	By
L551811-4	STATION 3 DUPLICATE								
Sampled By:	SM/CJ on 04-SEP-07 @ 15:00								
Matrix:	WATER								
		Routine Water: Major Ions,F,Fe,Mn - Low							
		ICP metals for routine water							
		Potassium (K)	0.5		0.1	mg/L		12-SEP-07	JWU
		Sodium (Na)	<1		1	mg/L		12-SEP-07	JWU
		Ion Balance Calculation							
		Hardness (as CaCO3)	60			mg/L		16-SEP-07	
		Ion Balance	95.9			%		16-SEP-07	
		TDS (Calculated)	73			mg/L		16-SEP-07	
		pH, Conductivity and Total Alkalinity							
		Alkalinity, Total (as CaCO3)	21		5	mg/L		12-SEP-07	CLT
		Bicarbonate (HCO3)	25		5	mg/L		12-SEP-07	CLT
		Carbonate (CO3)	<5		5	mg/L		12-SEP-07	CLT
		Conductivity (EC)	135		0.2	uS/cm		12-SEP-07	CLT
		Hydroxide (OH)	<5		5	mg/L		12-SEP-07	CLT
		pH	7.6		0.1	pH		12-SEP-07	CLT
		Chloride (Cl)	<1		1	mg/L		12-SEP-07	BOC/
		Fluoride (F)	0.07		0.05	mg/L		12-SEP-07	CLT
		Nitrate+Nitrite-N	0.008		0.006	mg/L		11-SEP-07	FYG
		Nitrate-N	0.008		0.006	mg/L		11-SEP-07	FYG
		Nitrite-N	<0.002		0.002	mg/L		11-SEP-07	FYG
		Sulphate (SO4)	40.4		0.05	mg/L		13-SEP-07	DDN
		Dissolved Metals							
		Silicon (Si)-Dissolved	1.3		0.1	mg/L		14-SEP-07	HAS
		Inorganic approval & RPD chain							
		Iron (Fe)-Extractable	<0.05		0.05	mg/L		19-SEP-07	JWU
		Manganese (Mn)-Extractable	0.03		0.01	mg/L		19-SEP-07	JWU
		Total Metals							
		Silicon (Si)-Total	1.7		0.1	mg/L		14-SEP-07	HAS
		Ammonia-N	<0.005		0.005	mg/L		16-SEP-07	HZH
		Bismuth (Bi)	<0.00003		0.00003	mg/L		17-SEP-07	QLI
		Bismuth (Bi)	<0.00003		0.00003	mg/L		17-SEP-07	QLI
		Lithium (Li)	0.0032		0.0001	mg/L		17-SEP-07	QLI
		Lithium (Li)	0.0025		0.0001	mg/L		17-SEP-07	QLI
		Phosphorus, Total	0.007		0.001	mg/L		13-SEP-07	FYG
		Tin (Sn)-Total	<0.0001		0.0001	mg/L		17-SEP-07	QLI
		Tin (Sn)-Dissolved	<0.0001		0.0001	mg/L		17-SEP-07	QLI
		Total Organic Carbon	1		1	mg/L		12-SEP-07	ZOW
		Total Suspended Solids	<3		3	mg/L		12-SEP-07	SVG
		Turbidity	5.6		0.1	NTU		12-SEP-07	LD
L551811-5	STATION 4								
Sampled By:	SM/CJ on 04-SEP-07 @ 15:30								
Matrix:	WATER								
		Ultra-Low Metals - Dissolved							
		Ultra-Low Metals - Dissolved							
		Aluminum (Al)	0.0282		0.0003	mg/L		17-SEP-07	QLI
		Antimony (Sb)	0.00008		0.00003	mg/L		17-SEP-07	QLI
		Arsenic (As)	0.00020		0.00003	mg/L		17-SEP-07	QLI
		Barium (Ba)	0.0291		0.00005	mg/L		17-SEP-07	QLI
		Beryllium (Be)	<0.0002		0.0002	mg/L		17-SEP-07	QLI
		Boron (B)	0.004		0.001	mg/L		17-SEP-07	QLI
		Cadmium (Cd)	0.00175		0.00005	mg/L		17-SEP-07	QLI

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Lab ID	Sample ID	Test Description	Result	Qual.	D.L.	Units	Extracted	Analyzed	By
L551811-5	STATION 4								
Sampled By:	SM/CJ on 04-SEP-07 @ 15:30								
Matrix:	WATER								
	Ultra-Low Metals - Dissolved								
	Ultra-Low Metals - Dissolved								
		Calcium (Ca)	23.3		0.02	mg/L		17-SEP-07	QLI
		Chromium (Cr)	0.00006		0.00006	mg/L		17-SEP-07	QLI
		Cobalt (Co)	0.0043		0.0001	mg/L		17-SEP-07	QLI
		Copper (Cu)	0.0021		0.0006	mg/L		17-SEP-07	QLI
		Lead (Pb)	<0.00005		0.00005	mg/L		17-SEP-07	QLI
		Magnesium (Mg)	7.33		0.004	mg/L		17-SEP-07	QLI
		Manganese (Mn)	0.0680		0.0001	mg/L		17-SEP-07	QLI
		Molybdenum (Mo)	0.00061		0.00006	mg/L		17-SEP-07	QLI
		Nickel (Ni)	0.0363		0.00006	mg/L		17-SEP-07	QLI
		Potassium (K)	0.52		0.02	mg/L		17-SEP-07	QLI
		Selenium (Se)	0.0011		0.0001	mg/L		17-SEP-07	QLI
		Silver (Ag)	<0.0001		0.0001	mg/L		17-SEP-07	QLI
		Sodium (Na)	0.730		0.005	mg/L		17-SEP-07	QLI
		Strontium (Sr)	0.0789		0.0001	mg/L		17-SEP-07	QLI
		Uranium (U)	0.00008		0.00005	mg/L		17-SEP-07	QLI
		Vanadium (V)	<0.00005		0.00005	mg/L		17-SEP-07	QLI
		Zinc (Zn)	0.103		0.0008	mg/L		17-SEP-07	QLI
		Iron (Fe)	0.018		0.005	mg/L		14-SEP-07	HAS
		Mercury (Hg)	<0.00002		0.00002	mg/L		19-SEP-07	DEO
	Ultra-Low Metals								
	Ultra-Low Metals								
		Aluminum (Al)	1.31		0.0003	mg/L		17-SEP-07	QLI
		Antimony (Sb)	0.00008		0.00003	mg/L		17-SEP-07	QLI
		Arsenic (As)	0.00050		0.00003	mg/L		17-SEP-07	QLI
		Barium (Ba)	0.0322		0.00005	mg/L		17-SEP-07	QLI
		Beryllium (Be)	<0.0002		0.0002	mg/L		17-SEP-07	QLI
		Boron (B)	0.003		0.001	mg/L		17-SEP-07	QLI
		Cadmium (Cd)	0.00189		0.00005	mg/L		17-SEP-07	QLI
		Calcium (Ca)	23.1		0.02	mg/L		17-SEP-07	QLI
		Chromium (Cr)	0.00049		0.00006	mg/L		17-SEP-07	QLI
		Cobalt (Co)	0.0044		0.0001	mg/L		17-SEP-07	QLI
		Copper (Cu)	0.0113		0.0006	mg/L		17-SEP-07	QLI
		Lead (Pb)	0.00016		0.00005	mg/L		17-SEP-07	QLI
		Magnesium (Mg)	7.35		0.004	mg/L		17-SEP-07	QLI
		Manganese (Mn)	0.0732		0.0001	mg/L		17-SEP-07	QLI
		Molybdenum (Mo)	0.00053		0.00006	mg/L		17-SEP-07	QLI
		Nickel (Ni)	0.0368		0.00006	mg/L		17-SEP-07	QLI
		Potassium (K)	0.61		0.02	mg/L		17-SEP-07	QLI
		Selenium (Se)	0.0009		0.0001	mg/L		17-SEP-07	QLI
		Silver (Ag)	<0.0001		0.0001	mg/L		17-SEP-07	QLI
		Sodium (Na)	0.733		0.005	mg/L		17-SEP-07	QLI
		Strontium (Sr)	0.0680		0.0001	mg/L		17-SEP-07	QLI
		Uranium (U)	0.00100		0.00005	mg/L		17-SEP-07	QLI
		Vanadium (V)	0.00102		0.00005	mg/L		17-SEP-07	QLI
		Zinc (Zn)	0.125		0.0008	mg/L		17-SEP-07	QLI
		Iron (Fe)	0.653		0.005	mg/L		14-SEP-07	HAS
		Mercury (Hg)	<0.00002		0.00002	mg/L		19-SEP-07	DEO
	Routine Water: Major Ions,F,Fe,Mn - Low								
	ICP metals for routine water								
		Calcium (Ca)	22.5		0.5	mg/L		12-SEP-07	JWU
		Magnesium (Mg)	8.1		0.1	mg/L		12-SEP-07	JWU
		Potassium (K)	0.5		0.1	mg/L		12-SEP-07	JWU

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Lab ID	Sample ID	Test Description	Result	Qual.	D.L.	Units	Extracted	Analyzed	By
L551811-5	STATION 4								
Sampled By:	SM/CJ on 04-SEP-07 @ 15:30								
Matrix:	WATER								
	Routine Water: Major Ions,F,Fe,Mn - Low								
	ICP metals for routine water								
		Sodium (Na)	<1		1	mg/L		12-SEP-07	JWU
	Ion Balance Calculation								
		Hardness (as CaCO3)	90			mg/L		16-SEP-07	
		Ion Balance	95.9			%		16-SEP-07	
		TDS (Calculated)	113			mg/L		16-SEP-07	
	pH, Conductivity and Total Alkalinity								
		Alkalinity, Total (as CaCO3)	23		5	mg/L		12-SEP-07	CLT
		Bicarbonate (HCO3)	28		5	mg/L		12-SEP-07	CLT
		Carbonate (CO3)	<5		5	mg/L		12-SEP-07	CLT
		Conductivity (EC)	200		0.2	uS/cm		12-SEP-07	CLT
		Hydroxide (OH)	<5		5	mg/L		12-SEP-07	CLT
		pH	7.5		0.1	pH		12-SEP-07	CLT
		Chloride (Cl)	<1		1	mg/L		12-SEP-07	BOC/
		Fluoride (F)	0.12		0.05	mg/L		12-SEP-07	CLT
		Nitrate+Nitrite-N	0.021		0.006	mg/L		11-SEP-07	FYG
		Nitrate-N	0.021		0.006	mg/L		11-SEP-07	FYG
		Nitrite-N	<0.002		0.002	mg/L		11-SEP-07	FYG
		Sulphate (SO4)	67.8		0.05	mg/L		13-SEP-07	DDN
	Dissolved Metals								
		Silicon (Si)-Dissolved	1.8		0.1	mg/L		14-SEP-07	HAS
	Inorganic approval & RPD chain								
		Iron (Fe)-Extractable	<0.05		0.05	mg/L		19-SEP-07	JWU
		Manganese (Mn)-Extractable	0.06		0.01	mg/L		19-SEP-07	JWU
	Total Metals								
		Silicon (Si)-Total	2.1		0.1	mg/L		14-SEP-07	HAS
		Ammonia-N	<0.005		0.005	mg/L		16-SEP-07	HZH
		Bismuth (Bi)	<0.00003		0.00003	mg/L		17-SEP-07	QLI
		Bismuth (Bi)	<0.00003		0.00003	mg/L		17-SEP-07	QLI
		Lithium (Li)	0.0053		0.0001	mg/L		17-SEP-07	QLI
		Lithium (Li)	0.0047		0.0001	mg/L		17-SEP-07	QLI
		Phosphorus, Total	0.009		0.001	mg/L		13-SEP-07	FYG
		Tin (Sn)-Total	<0.0001		0.0001	mg/L		17-SEP-07	QLI
		Tin (Sn)-Dissolved	<0.0001		0.0001	mg/L		17-SEP-07	QLI
		Total Organic Carbon	1		1	mg/L		12-SEP-07	ZOW
		Total Suspended Solids	5		3	mg/L		12-SEP-07	SVG
		Turbidity	7.6		0.1	NTU		12-SEP-07	LD
L551811-6	STATION 5								
Sampled By:	SM/CJ on 05-SEP-07 @ 11:00								
Matrix:	WATER								
	Ultra-Low Metals - Dissolved								
	Ultra-Low Metals - Dissolved								
		Aluminum (Al)	0.0069		0.0003	mg/L		17-SEP-07	QLI
		Antimony (Sb)	0.00020		0.00003	mg/L		17-SEP-07	QLI
		Arsenic (As)	0.00085		0.00003	mg/L		17-SEP-07	QLI
		Barium (Ba)	0.0439		0.00005	mg/L		17-SEP-07	QLI
		Beryllium (Be)	<0.0002		0.0002	mg/L		17-SEP-07	QLI
		Boron (B)	<0.001		0.001	mg/L		17-SEP-07	QLI
		Cadmium (Cd)	0.00029		0.00005	mg/L		17-SEP-07	QLI
		Calcium (Ca)	32.3		0.02	mg/L		17-SEP-07	QLI

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Lab ID	Sample ID	Test Description	Result	Qual.	D.L.	Units	Extracted	Analyzed	By
L551811-6	STATION 5								
Sampled By:	SM/CJ on 05-SEP-07 @ 11:00								
Matrix:	WATER								
		Ultra-Low Metals - Dissolved							
		Ultra-Low Metals - Dissolved							
		Chromium (Cr)	0.00008		0.00006	mg/L		17-SEP-07	QLI
		Cobalt (Co)	0.0004		0.0001	mg/L		17-SEP-07	QLI
		Copper (Cu)	<0.0006		0.0006	mg/L		17-SEP-07	QLI
		Lead (Pb)	<0.00005		0.00005	mg/L		17-SEP-07	QLI
		Magnesium (Mg)	3.84		0.004	mg/L		17-SEP-07	QLI
		Manganese (Mn)	0.0135		0.0001	mg/L		17-SEP-07	QLI
		Molybdenum (Mo)	0.00185		0.00006	mg/L		17-SEP-07	QLI
		Nickel (Ni)	0.00756		0.00006	mg/L		17-SEP-07	QLI
		Potassium (K)	0.85		0.02	mg/L		17-SEP-07	QLI
		Selenium (Se)	0.0015		0.0001	mg/L		17-SEP-07	QLI
		Silver (Ag)	<0.0001		0.0001	mg/L		17-SEP-07	QLI
		Sodium (Na)	0.532		0.005	mg/L		17-SEP-07	QLI
		Strontium (Sr)	0.0966		0.0001	mg/L		17-SEP-07	QLI
		Uranium (U)	0.00148		0.00005	mg/L		17-SEP-07	QLI
		Vanadium (V)	0.00008		0.00005	mg/L		17-SEP-07	QLI
		Zinc (Zn)	0.0239		0.0008	mg/L		17-SEP-07	QLI
		Iron (Fe)	0.041		0.005	mg/L		14-SEP-07	HAS
		Mercury (Hg)	<0.00002		0.00002	mg/L		19-SEP-07	DEO
		Ultra-Low Metals							
		Ultra-Low Metals							
		Aluminum (Al)	0.0233		0.0003	mg/L		17-SEP-07	QLI
		Antimony (Sb)	0.00020		0.00003	mg/L		17-SEP-07	QLI
		Arsenic (As)	0.00129		0.00003	mg/L		17-SEP-07	QLI
		Barium (Ba)	0.0445		0.00005	mg/L		17-SEP-07	QLI
		Beryllium (Be)	<0.0002		0.0002	mg/L		17-SEP-07	QLI
		Boron (B)	<0.001		0.001	mg/L		17-SEP-07	QLI
		Cadmium (Cd)	0.00040		0.00005	mg/L		17-SEP-07	QLI
		Calcium (Ca)	32.3		0.02	mg/L		17-SEP-07	QLI
		Chromium (Cr)	0.00008		0.00006	mg/L		17-SEP-07	QLI
		Cobalt (Co)	0.0004		0.0001	mg/L		17-SEP-07	QLI
		Copper (Cu)	0.0007		0.0006	mg/L		17-SEP-07	QLI
		Lead (Pb)	<0.00005		0.00005	mg/L		17-SEP-07	QLI
		Magnesium (Mg)	3.87		0.004	mg/L		17-SEP-07	QLI
		Manganese (Mn)	0.0140		0.0001	mg/L		17-SEP-07	QLI
		Molybdenum (Mo)	0.00180		0.00006	mg/L		17-SEP-07	QLI
		Nickel (Ni)	0.00753		0.00006	mg/L		17-SEP-07	QLI
		Potassium (K)	0.87		0.02	mg/L		17-SEP-07	QLI
		Selenium (Se)	0.0014		0.0001	mg/L		17-SEP-07	QLI
		Silver (Ag)	<0.0001		0.0001	mg/L		17-SEP-07	QLI
		Sodium (Na)	0.765		0.005	mg/L		17-SEP-07	QLI
		Strontium (Sr)	0.0961		0.0001	mg/L		17-SEP-07	QLI
		Uranium (U)	0.00157		0.00005	mg/L		17-SEP-07	QLI
		Vanadium (V)	0.00021		0.00005	mg/L		17-SEP-07	QLI
		Zinc (Zn)	0.0226		0.0008	mg/L		17-SEP-07	QLI
		Iron (Fe)	0.098		0.005	mg/L		14-SEP-07	HAS
		Mercury (Hg)	<0.00002		0.00002	mg/L		19-SEP-07	DEO
		Routine Water: Major Ions,F,Fe,Mn - Low							
		ICP metals for routine water							
		Calcium (Ca)	31.0		0.5	mg/L		12-SEP-07	JWU
		Magnesium (Mg)	4.1		0.1	mg/L		12-SEP-07	JWU
		Potassium (K)	0.8		0.1	mg/L		12-SEP-07	JWU
		Sodium (Na)	<1		1	mg/L		12-SEP-07	JWU

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Lab ID	Sample ID	Test Description	Result	Qual.	D.L.	Units	Extracted	Analyzed	By
L551811-6	STATION 5								
Sampled By:	SM/CJ on 05-SEP-07 @ 11:00								
Matrix:	WATER								
		Routine Water: Major Ions,F,Fe,Mn - Low							
		Ion Balance Calculation							
		Hardness (as CaCO3)	94			mg/L		16-SEP-07	
		Ion Balance	95.8			%		16-SEP-07	
		TDS (Calculated)	116			mg/L		16-SEP-07	
		pH, Conductivity and Total Alkalinity							
		Alkalinity, Total (as CaCO3)	43		5	mg/L		12-SEP-07	CLT
		Bicarbonate (HCO3)	52		5	mg/L		12-SEP-07	CLT
		Carbonate (CO3)	<5		5	mg/L		12-SEP-07	CLT
		Conductivity (EC)	208		0.2	uS/cm		12-SEP-07	CLT
		Hydroxide (OH)	<5		5	mg/L		12-SEP-07	CLT
		pH	7.8		0.1	pH		12-SEP-07	CLT
		Chloride (Cl)	<1		1	mg/L		12-SEP-07	BOC/
		Fluoride (F)	0.11		0.05	mg/L		12-SEP-07	CLT
		Nitrate+Nitrite-N	0.034		0.006	mg/L		11-SEP-07	FYG
		Nitrate-N	0.034		0.006	mg/L		11-SEP-07	FYG
		Nitrite-N	<0.002		0.002	mg/L		11-SEP-07	FYG
		Sulphate (SO4)	54.2		0.05	mg/L		13-SEP-07	DDN
		Dissolved Metals							
		Silicon (Si)-Dissolved	2.1		0.1	mg/L		14-SEP-07	HAS
		Inorganic approval & RPD chain							
		Iron (Fe)-Extractable	<0.05		0.05	mg/L		19-SEP-07	JWU
		Manganese (Mn)-Extractable	<0.01		0.01	mg/L		19-SEP-07	JWU
		Total Metals							
		Silicon (Si)-Total	2.2		0.1	mg/L		14-SEP-07	HAS
		Ammonia-N	0.006		0.005	mg/L		16-SEP-07	HZH
		Bismuth (Bi)	<0.00003		0.00003	mg/L		17-SEP-07	QLI
		Bismuth (Bi)	<0.00003		0.00003	mg/L		17-SEP-07	QLI
		Lithium (Li)	0.0013		0.0001	mg/L		17-SEP-07	QLI
		Lithium (Li)	0.0013		0.0001	mg/L		17-SEP-07	QLI
		Phosphorus, Total	0.004		0.001	mg/L		13-SEP-07	FYG
		Tin (Sn)-Total	<0.0001		0.0001	mg/L		17-SEP-07	QLI
		Tin (Sn)-Dissolved	<0.0001		0.0001	mg/L		17-SEP-07	QLI
		Total Organic Carbon	1		1	mg/L		12-SEP-07	ZOW
		Total Suspended Solids	<3		3	mg/L		12-SEP-07	SVG
		Turbidity	0.30		0.1	NTU		12-SEP-07	LD
L551811-7	STATION 6								
Sampled By:	SM/CJ on 05-SEP-07 @ 11:30								
Matrix:	WATER								
		Ultra-Low Metals - Dissolved							
		Ultra-Low Metals - Dissolved							
		Aluminum (Al)	0.0314		0.0003	mg/L		17-SEP-07	QLI
		Antimony (Sb)	0.00018		0.00003	mg/L		17-SEP-07	QLI
		Arsenic (As)	0.00102		0.00003	mg/L		17-SEP-07	QLI
		Barium (Ba)	0.0456		0.00005	mg/L		17-SEP-07	QLI
		Beryllium (Be)	<0.0002		0.0002	mg/L		17-SEP-07	QLI
		Boron (B)	<0.001		0.001	mg/L		17-SEP-07	QLI
		Cadmium (Cd)	0.00020		0.00005	mg/L		17-SEP-07	QLI
		Calcium (Ca)	30.0		0.02	mg/L		17-SEP-07	QLI
		Chromium (Cr)	0.00006		0.00006	mg/L		17-SEP-07	QLI
		Cobalt (Co)	0.0015		0.0001	mg/L		17-SEP-07	QLI

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Lab ID	Sample ID	Test Description	Result	Qual.	D.L.	Units	Extracted	Analyzed	By
L551811-7	STATION 6								
Sampled By:	SM/CJ on 05-SEP-07 @ 11:30								
Matrix:	WATER								
	Ultra-Low Metals - Dissolved								
	Ultra-Low Metals - Dissolved								
		Copper (Cu)	0.0007		0.0006	mg/L		17-SEP-07	QLI
		Lead (Pb)	<0.00005		0.00005	mg/L		17-SEP-07	QLI
		Magnesium (Mg)	3.79		0.004	mg/L		17-SEP-07	QLI
		Manganese (Mn)	0.0266		0.0001	mg/L		17-SEP-07	QLI
		Molybdenum (Mo)	0.00162		0.00006	mg/L		17-SEP-07	QLI
		Nickel (Ni)	0.00697		0.00006	mg/L		17-SEP-07	QLI
		Potassium (K)	0.86		0.02	mg/L		17-SEP-07	QLI
		Selenium (Se)	0.0012		0.0001	mg/L		17-SEP-07	QLI
		Silver (Ag)	<0.0001		0.0001	mg/L		17-SEP-07	QLI
		Sodium (Na)	0.480		0.005	mg/L		17-SEP-07	QLI
		Strontium (Sr)	0.0809		0.0001	mg/L		17-SEP-07	QLI
		Uranium (U)	0.00098		0.00005	mg/L		17-SEP-07	QLI
		Vanadium (V)	0.00010		0.00005	mg/L		17-SEP-07	QLI
		Zinc (Zn)	0.0163		0.0008	mg/L		17-SEP-07	QLI
		Iron (Fe)	0.019		0.005	mg/L		14-SEP-07	HAS
		Mercury (Hg)	<0.00002		0.00002	mg/L		19-SEP-07	DEO
	Ultra-Low Metals								
	Ultra-Low Metals								
		Aluminum (Al)	0.0504		0.0003	mg/L		17-SEP-07	QLI
		Antimony (Sb)	0.00019		0.00003	mg/L		17-SEP-07	QLI
		Arsenic (As)	0.00115		0.00003	mg/L		17-SEP-07	QLI
		Barium (Ba)	0.0457		0.00005	mg/L		17-SEP-07	QLI
		Beryllium (Be)	<0.0002		0.0002	mg/L		17-SEP-07	QLI
		Boron (B)	<0.001		0.001	mg/L		17-SEP-07	QLI
		Cadmium (Cd)	0.00025		0.00005	mg/L		17-SEP-07	QLI
		Calcium (Ca)	30.1		0.02	mg/L		17-SEP-07	QLI
		Chromium (Cr)	0.00007		0.00006	mg/L		17-SEP-07	QLI
		Cobalt (Co)	0.0015		0.0001	mg/L		17-SEP-07	QLI
		Copper (Cu)	0.0009		0.0006	mg/L		17-SEP-07	QLI
		Lead (Pb)	<0.00005		0.00005	mg/L		17-SEP-07	QLI
		Magnesium (Mg)	3.82		0.004	mg/L		17-SEP-07	QLI
		Manganese (Mn)	0.0269		0.0001	mg/L		17-SEP-07	QLI
		Molybdenum (Mo)	0.00152		0.00006	mg/L		17-SEP-07	QLI
		Nickel (Ni)	0.00699		0.00006	mg/L		17-SEP-07	QLI
		Potassium (K)	0.87		0.02	mg/L		17-SEP-07	QLI
		Selenium (Se)	0.0012		0.0001	mg/L		17-SEP-07	QLI
		Silver (Ag)	<0.0001		0.0001	mg/L		17-SEP-07	QLI
		Sodium (Na)	0.468		0.005	mg/L		17-SEP-07	QLI
		Strontium (Sr)	0.0790		0.0001	mg/L		17-SEP-07	QLI
		Uranium (U)	0.00108		0.00005	mg/L		17-SEP-07	QLI
		Vanadium (V)	0.00017		0.00005	mg/L		17-SEP-07	QLI
		Zinc (Zn)	0.0158		0.0008	mg/L		17-SEP-07	QLI
		Iron (Fe)	0.061		0.005	mg/L		14-SEP-07	HAS
		Mercury (Hg)	<0.00002		0.00002	mg/L		19-SEP-07	DEO
	Routine Water: Major Ions,F,Fe,Mn - Low								
	ICP metals for routine water								
		Calcium (Ca)	29.0		0.5	mg/L		12-SEP-07	JWU
		Magnesium (Mg)	4.0		0.1	mg/L		12-SEP-07	JWU
		Potassium (K)	0.8		0.1	mg/L		12-SEP-07	JWU
		Sodium (Na)	<1		1	mg/L		12-SEP-07	JWU
	Ion Balance Calculation								
		Hardness (as CaCO3)	89			mg/L		16-SEP-07	

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Lab ID	Sample ID	Test Description	Result	Qual.	D.L.	Units	Extracted	Analyzed	By
L551811-7	STATION 6								
Sampled By:	SM/CJ on 05-SEP-07 @ 11:30								
Matrix:	WATER								
		Routine Water: Major Ions,F,Fe,Mn - Low							
		Ion Balance Calculation							
		Ion Balance	95.0			%		16-SEP-07	
		TDS (Calculated)	108			mg/L		16-SEP-07	
		pH, Conductivity and Total Alkalinity							
		Alkalinity, Total (as CaCO3)	45		5	mg/L		12-SEP-07	CLT
		Bicarbonate (HCO3)	55		5	mg/L		12-SEP-07	CLT
		Carbonate (CO3)	<5		5	mg/L		12-SEP-07	CLT
		Conductivity (EC)	195		0.2	uS/cm		12-SEP-07	CLT
		Hydroxide (OH)	<5		5	mg/L		12-SEP-07	CLT
		pH	7.9		0.1	pH		12-SEP-07	CLT
		Chloride (Cl)	<1		1	mg/L		12-SEP-07	BOC/
		Fluoride (F)	0.11		0.05	mg/L		12-SEP-07	CLT
		Nitrate+Nitrite-N	<0.006		0.006	mg/L		11-SEP-07	FYG
		Nitrate-N	<0.006		0.006	mg/L		11-SEP-07	FYG
		Nitrite-N	<0.002		0.002	mg/L		11-SEP-07	FYG
		Sulphate (SO4)	47.3		0.05	mg/L		13-SEP-07	DDN
		Dissolved Metals							
		Silicon (Si)-Dissolved	2.1		0.1	mg/L		14-SEP-07	HAS
		Inorganic approval & RPD chain							
		Iron (Fe)-Extractable	<0.05		0.05	mg/L		19-SEP-07	JWU
		Manganese (Mn)-Extractable	<0.01		0.01	mg/L		19-SEP-07	JWU
		Total Metals							
		Silicon (Si)-Total	2.1		0.1	mg/L		14-SEP-07	HAS
		Ammonia-N	<0.005		0.005	mg/L		16-SEP-07	HZH
		Bismuth (Bi)	<0.00003		0.00003	mg/L		17-SEP-07	QLI
		Bismuth (Bi)	<0.00003		0.00003	mg/L		17-SEP-07	QLI
		Lithium (Li)	0.0015		0.0001	mg/L		17-SEP-07	QLI
		Lithium (Li)	0.0015		0.0001	mg/L		17-SEP-07	QLI
		Phosphorus, Total	0.003		0.001	mg/L		13-SEP-07	FYG
		Tin (Sn)-Total	<0.0001		0.0001	mg/L		17-SEP-07	QLI
		Tin (Sn)-Dissolved	<0.0001		0.0001	mg/L		17-SEP-07	QLI
		Total Organic Carbon	1		1	mg/L		12-SEP-07	ZOW
		Total Suspended Solids	<3		3	mg/L		12-SEP-07	SVG
		Turbidity	0.25		0.1	NTU		12-SEP-07	LD
L551811-8	STATION 7								
Sampled By:	SM/CJ on 05-SEP-07 @ 12:00								
Matrix:	WATER								
		Ultra-Low Metals - Dissolved							
		Ultra-Low Metals - Dissolved							
		Aluminum (Al)	0.0160		0.0003	mg/L		17-SEP-07	QLI
		Antimony (Sb)	0.00008		0.00003	mg/L		17-SEP-07	QLI
		Arsenic (As)	0.00020		0.00003	mg/L		17-SEP-07	QLI
		Barium (Ba)	0.0445		0.00005	mg/L		17-SEP-07	QLI
		Beryllium (Be)	<0.0002		0.0002	mg/L		17-SEP-07	QLI
		Boron (B)	0.001		0.001	mg/L		17-SEP-07	QLI
		Cadmium (Cd)	0.00485		0.00005	mg/L		17-SEP-07	QLI
		Calcium (Ca)	23.3		0.02	mg/L		17-SEP-07	QLI
		Chromium (Cr)	<0.00006		0.00006	mg/L		17-SEP-07	QLI
		Cobalt (Co)	0.0108		0.0001	mg/L		17-SEP-07	QLI
		Copper (Cu)	0.0049		0.0006	mg/L		17-SEP-07	QLI

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Lab ID	Sample ID	Test Description	Result	Qual.	D.L.	Units	Extracted	Analyzed	By
L551811-8	STATION 7								
Sampled By:	SM/CJ on 05-SEP-07 @ 12:00								
Matrix:	WATER								
	Ultra-Low Metals - Dissolved								
		Ultra-Low Metals - Dissolved							
		Lead (Pb)	<0.00005		0.00005	mg/L		17-SEP-07	QLI
		Magnesium (Mg)	4.84		0.004	mg/L		17-SEP-07	QLI
		Manganese (Mn)	0.126		0.0001	mg/L		17-SEP-07	QLI
		Molybdenum (Mo)	0.00043		0.00006	mg/L		17-SEP-07	QLI
		Nickel (Ni)	0.0980		0.00006	mg/L		17-SEP-07	QLI
		Potassium (K)	0.63		0.02	mg/L		17-SEP-07	QLI
		Selenium (Se)	0.0008		0.0001	mg/L		17-SEP-07	QLI
		Silver (Ag)	<0.0001		0.0001	mg/L		17-SEP-07	QLI
		Sodium (Na)	0.417		0.005	mg/L		17-SEP-07	QLI
		Strontium (Sr)	0.0610		0.0001	mg/L		17-SEP-07	QLI
		Uranium (U)	<0.00005		0.00005	mg/L		17-SEP-07	QLI
		Vanadium (V)	<0.00005		0.00005	mg/L		17-SEP-07	QLI
		Zinc (Zn)	0.349		0.0008	mg/L		17-SEP-07	QLI
		Iron (Fe)	0.037		0.005	mg/L		14-SEP-07	HAS
		Mercury (Hg)	<0.00002		0.00002	mg/L		19-SEP-07	DEO
	Ultra-Low Metals								
		Ultra-Low Metals							
		Aluminum (Al)	1.85		0.0003	mg/L		17-SEP-07	QLI
		Antimony (Sb)	0.00009		0.00003	mg/L		17-SEP-07	QLI
		Arsenic (As)	0.00062		0.00003	mg/L		17-SEP-07	QLI
		Barium (Ba)	0.0446		0.00005	mg/L		17-SEP-07	QLI
		Beryllium (Be)	0.0002		0.0002	mg/L		17-SEP-07	QLI
		Boron (B)	<0.001		0.001	mg/L		17-SEP-07	QLI
		Cadmium (Cd)	0.00497		0.00005	mg/L		17-SEP-07	QLI
		Calcium (Ca)	22.7		0.02	mg/L		17-SEP-07	QLI
		Chromium (Cr)	0.00087		0.00006	mg/L		17-SEP-07	QLI
		Cobalt (Co)	0.0103		0.0001	mg/L		17-SEP-07	QLI
		Copper (Cu)	0.0375		0.0006	mg/L		17-SEP-07	QLI
		Lead (Pb)	<0.00005		0.00005	mg/L		17-SEP-07	QLI
		Magnesium (Mg)	4.73		0.004	mg/L		17-SEP-07	QLI
		Manganese (Mn)	0.126		0.0001	mg/L		17-SEP-07	QLI
		Molybdenum (Mo)	0.00054		0.00006	mg/L		17-SEP-07	QLI
		Nickel (Ni)	0.0966		0.00006	mg/L		17-SEP-07	QLI
		Potassium (K)	0.63		0.02	mg/L		17-SEP-07	QLI
		Selenium (Se)	0.0008		0.0001	mg/L		17-SEP-07	QLI
		Silver (Ag)	<0.0001		0.0001	mg/L		17-SEP-07	QLI
		Sodium (Na)	0.394		0.005	mg/L		17-SEP-07	QLI
		Strontium (Sr)	0.0492		0.0001	mg/L		17-SEP-07	QLI
		Uranium (U)	0.00107		0.00005	mg/L		17-SEP-07	QLI
		Vanadium (V)	0.00225		0.00005	mg/L		17-SEP-07	QLI
		Zinc (Zn)	0.370		0.0008	mg/L		17-SEP-07	QLI
		Iron (Fe)	1.16		0.005	mg/L		14-SEP-07	HAS
		Mercury (Hg)	<0.00002		0.00002	mg/L		19-SEP-07	DEO
	Routine Water: Major Ions,F,Fe,Mn - Low								
		ICP metals for routine water							
		Calcium (Ca)	22.5		0.5	mg/L		12-SEP-07	JWU
		Magnesium (Mg)	5.2		0.1	mg/L		12-SEP-07	JWU
		Potassium (K)	0.6		0.1	mg/L		12-SEP-07	JWU
		Sodium (Na)	<1		1	mg/L		12-SEP-07	JWU
		Ion Balance Calculation							
		Hardness (as CaCO3)	78			mg/L		16-SEP-07	
		Ion Balance	95.9			%		16-SEP-07	

ALS LABORATORY GROUP CHEMICAL ANALYSIS REPORT

Lab ID	Sample ID	Test Description	Result	Qual.	D.L.	Units	Extracted	Analyzed	By
L551811-8	STATION 7								
Sampled By:	SM/CJ on 05-SEP-07 @ 12:00								
Matrix:	WATER								
		Routine Water: Major Ions,F,Fe,Mn - Low							
		Ion Balance Calculation							
		TDS (Calculated)	103			mg/L		16-SEP-07	
		pH, Conductivity and Total Alkalinity							
		Alkalinity, Total (as CaCO3)	9		5	mg/L		12-SEP-07	CLT
		Bicarbonate (HCO3)	11		5	mg/L		12-SEP-07	CLT
		Carbonate (CO3)	<5		5	mg/L		12-SEP-07	CLT
		Conductivity (EC)	183		0.2	uS/cm		12-SEP-07	CLT
		Hydroxide (OH)	<5		5	mg/L		12-SEP-07	CLT
		pH	7.2		0.1	pH		12-SEP-07	CLT
		Chloride (Cl)	<1		1	mg/L		12-SEP-07	BOC/
		Fluoride (F)	0.20		0.05	mg/L		12-SEP-07	CLT
		Nitrate+Nitrite-N	0.029		0.006	mg/L		11-SEP-07	FYG
		Nitrate-N	0.029		0.006	mg/L		11-SEP-07	FYG
		Nitrite-N	<0.002		0.002	mg/L		11-SEP-07	FYG
		Sulphate (SO4)	69.3		0.05	mg/L		13-SEP-07	DDN
		Dissolved Metals							
		Silicon (Si)-Dissolved	2.3		0.1	mg/L		14-SEP-07	HAS
		Inorganic approval & RPD chain							
		Iron (Fe)-Extractable	0.06		0.05	mg/L		19-SEP-07	JWU
		Manganese (Mn)-Extractable	0.12		0.01	mg/L		19-SEP-07	JWU
		Total Metals							
		Silicon (Si)-Total	2.5		0.1	mg/L		14-SEP-07	HAS
		Ammonia-N	0.026		0.005	mg/L		16-SEP-07	HZH
		Bismuth (Bi)	<0.00003		0.00003	mg/L		17-SEP-07	QLI
		Bismuth (Bi)	<0.00003		0.00003	mg/L		17-SEP-07	QLI
		Lithium (Li)	0.0055		0.0001	mg/L		17-SEP-07	QLI
		Lithium (Li)	0.0055		0.0001	mg/L		17-SEP-07	QLI
		Phosphorus, Total	0.020		0.001	mg/L		13-SEP-07	FYG
		Tin (Sn)-Total	<0.0001		0.0001	mg/L		17-SEP-07	QLI
		Tin (Sn)-Dissolved	<0.0001		0.0001	mg/L		17-SEP-07	QLI
		Total Organic Carbon	1		1	mg/L		12-SEP-07	ZOW
		Total Suspended Solids	12		3	mg/L		12-SEP-07	SVG
		Turbidity	11		0.1	NTU		12-SEP-07	LD
L551811-9	STATION 8								
Sampled By:	SM/CJ on 05-SEP-07 @ 13:00								
Matrix:	WATER								
		Ultra-Low Metals - Dissolved							
		Ultra-Low Metals - Dissolved							
		Aluminum (Al)	0.0325		0.0003	mg/L		17-SEP-07	QLI
		Antimony (Sb)	0.00036		0.00003	mg/L		17-SEP-07	QLI
		Arsenic (As)	0.00265		0.00003	mg/L		17-SEP-07	QLI
		Barium (Ba)	0.0114		0.00005	mg/L		17-SEP-07	QLI
		Beryllium (Be)	<0.0002		0.0002	mg/L		17-SEP-07	QLI
		Boron (B)	0.001		0.001	mg/L		17-SEP-07	QLI
		Cadmium (Cd)	0.00008		0.00005	mg/L		17-SEP-07	QLI
		Calcium (Ca)	10.3		0.02	mg/L		17-SEP-07	QLI
		Chromium (Cr)	<0.00006		0.00006	mg/L		17-SEP-07	QLI
		Cobalt (Co)	0.0007		0.0001	mg/L		17-SEP-07	QLI
		Copper (Cu)	0.0009		0.0006	mg/L		17-SEP-07	QLI
		Lead (Pb)	<0.00005		0.00005	mg/L		17-SEP-07	QLI

ALS LABORATORY GROUP CHEMICAL ANALYSIS REPORT

Lab ID	Sample ID	Test Description	Result	Qual.	D.L.	Units	Extracted	Analyzed	By
L551811-9	STATION 8								
Sampled By:	SM/CJ on 05-SEP-07 @ 13:00								
Matrix:	WATER								
	Ultra-Low Metals - Dissolved								
		Ultra-Low Metals - Dissolved							
		Magnesium (Mg)	0.742		0.004	mg/L		17-SEP-07	QLI
		Manganese (Mn)	0.0322		0.0001	mg/L		17-SEP-07	QLI
		Molybdenum (Mo)	0.00141		0.00006	mg/L		17-SEP-07	QLI
		Nickel (Ni)	0.00454		0.00006	mg/L		17-SEP-07	QLI
		Potassium (K)	0.16		0.02	mg/L		17-SEP-07	QLI
		Selenium (Se)	0.0003		0.0001	mg/L		17-SEP-07	QLI
		Silver (Ag)	<0.0001		0.0001	mg/L		17-SEP-07	QLI
		Sodium (Na)	0.272		0.005	mg/L		17-SEP-07	QLI
		Strontium (Sr)	0.0210		0.0001	mg/L		17-SEP-07	QLI
		Uranium (U)	0.00018		0.00005	mg/L		17-SEP-07	QLI
		Vanadium (V)	0.00005		0.00005	mg/L		17-SEP-07	QLI
		Zinc (Zn)	0.0063	RRVAP	0.0008	mg/L		17-SEP-07	QLI
		Iron (Fe)	<0.005		0.005	mg/L		14-SEP-07	HAS
		Mercury (Hg)	<0.00002		0.00002	mg/L		19-SEP-07	DEO
	Ultra-Low Metals								
		Ultra-Low Metals							
		Aluminum (Al)	0.0502		0.0003	mg/L		17-SEP-07	QLI
		Antimony (Sb)	0.00035		0.00003	mg/L		17-SEP-07	QLI
		Arsenic (As)	0.00309		0.00003	mg/L		17-SEP-07	QLI
		Barium (Ba)	0.0112		0.00005	mg/L		17-SEP-07	QLI
		Beryllium (Be)	<0.0002		0.0002	mg/L		17-SEP-07	QLI
		Boron (B)	<0.001		0.001	mg/L		17-SEP-07	QLI
		Cadmium (Cd)	0.00007		0.00005	mg/L		17-SEP-07	QLI
		Calcium (Ca)	10.1		0.02	mg/L		17-SEP-07	QLI
		Chromium (Cr)	<0.00006		0.00006	mg/L		17-SEP-07	QLI
		Cobalt (Co)	0.0007		0.0001	mg/L		17-SEP-07	QLI
		Copper (Cu)	0.0011		0.0006	mg/L		17-SEP-07	QLI
		Lead (Pb)	<0.00005		0.00005	mg/L		17-SEP-07	QLI
		Magnesium (Mg)	0.717		0.004	mg/L		17-SEP-07	QLI
		Manganese (Mn)	0.0336		0.0001	mg/L		17-SEP-07	QLI
		Molybdenum (Mo)	0.00143		0.00006	mg/L		17-SEP-07	QLI
		Nickel (Ni)	0.00446		0.00006	mg/L		17-SEP-07	QLI
		Potassium (K)	0.16	RRVAP	0.02	mg/L		17-SEP-07	QLI
		Selenium (Se)	0.0003		0.0001	mg/L		17-SEP-07	QLI
		Silver (Ag)	<0.0001		0.0001	mg/L		17-SEP-07	QLI
		Sodium (Na)	0.250		0.005	mg/L		17-SEP-07	QLI
		Strontium (Sr)	0.0209		0.0001	mg/L		17-SEP-07	QLI
		Uranium (U)	0.00036		0.00005	mg/L		17-SEP-07	QLI
		Vanadium (V)	<0.00005		0.00005	mg/L		17-SEP-07	QLI
		Zinc (Zn)	0.0035		0.0008	mg/L		17-SEP-07	QLI
		Iron (Fe)	0.005		0.005	mg/L		14-SEP-07	HAS
		Mercury (Hg)	<0.00002		0.00002	mg/L		19-SEP-07	DEO
	Routine Water: Major Ions,F,Fe,Mn - Low								
		ICP metals for routine water							
		Calcium (Ca)	10.3		0.5	mg/L		12-SEP-07	JWU
		Magnesium (Mg)	0.6		0.1	mg/L		12-SEP-07	JWU
		Potassium (K)	0.3		0.1	mg/L		12-SEP-07	JWU
		Sodium (Na)	<1		1	mg/L		12-SEP-07	JWU
		Ion Balance Calculation							
		Hardness (as CaCO3)	28			mg/L		16-SEP-07	

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Lab ID	Sample ID	Test Description	Result	Qual.	D.L.	Units	Extracted	Analyzed	By
L551811-9	STATION 8								
Sampled By:	SM/CJ on 05-SEP-07 @ 13:00								
Matrix:	WATER								
		Routine Water: Major Ions,F,Fe,Mn - Low							
		Ion Balance Calculation							
		Ion Balance	Low EC			%		16-SEP-07	
		TDS (Calculated)	38			mg/L		16-SEP-07	
		pH, Conductivity and Total Alkalinity							
		Alkalinity, Total (as CaCO3)	7		5	mg/L		12-SEP-07	CLT
		Bicarbonate (HCO3)	9		5	mg/L		12-SEP-07	CLT
		Carbonate (CO3)	<5		5	mg/L		12-SEP-07	CLT
		Conductivity (EC)	72.0		0.2	uS/cm		12-SEP-07	CLT
		Hydroxide (OH)	<5		5	mg/L		12-SEP-07	CLT
		pH	7.2		0.1	pH		12-SEP-07	CLT
		Chloride (Cl)	<1		1	mg/L		12-SEP-07	BOC/
		Fluoride (F)	0.09		0.05	mg/L		12-SEP-07	CLT
		Nitrate+Nitrite-N	0.008		0.006	mg/L		11-SEP-07	FYG
		Nitrate-N	0.008		0.006	mg/L		11-SEP-07	FYG
		Nitrite-N	<0.002		0.002	mg/L		11-SEP-07	FYG
		Sulphate (SO4)	22.7		0.05	mg/L		13-SEP-07	DDN
		Dissolved Metals							
		Silicon (Si)-Dissolved	1.2		0.1	mg/L		14-SEP-07	HAS
		Inorganic approval & RPD chain							
		Iron (Fe)-Extractable	<0.05		0.05	mg/L		19-SEP-07	JWU
		Manganese (Mn)-Extractable	0.02		0.01	mg/L		19-SEP-07	JWU
		Total Metals							
		Silicon (Si)-Total	1.2		0.1	mg/L		14-SEP-07	HAS
		Ammonia-N	<0.005		0.005	mg/L		16-SEP-07	HZH
		Bismuth (Bi)	<0.00003		0.00003	mg/L		17-SEP-07	QLI
		Bismuth (Bi)	<0.00003		0.00003	mg/L		17-SEP-07	QLI
		Lithium (Li)	0.0015		0.0001	mg/L		17-SEP-07	QLI
		Lithium (Li)	0.0014		0.0001	mg/L		17-SEP-07	QLI
		Phosphorus, Total	0.001		0.001	mg/L		13-SEP-07	FYG
		Tin (Sn)-Total	<0.0001		0.0001	mg/L		17-SEP-07	QLI
		Tin (Sn)-Dissolved	<0.0001		0.0001	mg/L		17-SEP-07	QLI
		Total Organic Carbon	1		1	mg/L		12-SEP-07	ZOW
		Total Suspended Solids	<3		3	mg/L		12-SEP-07	SVG
		Turbidity	0.20		0.1	NTU		12-SEP-07	LD
L551811-10	STATION 8 DUPLICATE								
Sampled By:	SM/CJ on 05-SEP-07 @ 13:00								
Matrix:	WATER								
		Ultra-Low Metals - Dissolved							
		Ultra-Low Metals - Dissolved							
		Aluminum (Al)	0.0322		0.0003	mg/L		17-SEP-07	QLI
		Antimony (Sb)	0.00036		0.00003	mg/L		17-SEP-07	QLI
		Arsenic (As)	0.00271		0.00003	mg/L		17-SEP-07	QLI
		Barium (Ba)	0.0112		0.00005	mg/L		17-SEP-07	QLI
		Beryllium (Be)	<0.0002		0.0002	mg/L		17-SEP-07	QLI
		Boron (B)	<0.001		0.001	mg/L		17-SEP-07	QLI
		Cadmium (Cd)	0.00008		0.00005	mg/L		17-SEP-07	QLI
		Calcium (Ca)	10.3		0.02	mg/L		17-SEP-07	QLI
		Chromium (Cr)	<0.00006		0.00006	mg/L		17-SEP-07	QLI
		Cobalt (Co)	0.0007		0.0001	mg/L		17-SEP-07	QLI
		Copper (Cu)	0.0009		0.0006	mg/L		17-SEP-07	QLI

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Lab ID	Sample ID	Test Description	Result	Qual.	D.L.	Units	Extracted	Analyzed	By
L551811-10	STATION 8 DUPLICATE								
Sampled By:	SM/CJ on 05-SEP-07 @ 13:00								
Matrix:	WATER								
	Ultra-Low Metals - Dissolved								
	Ultra-Low Metals - Dissolved								
		Lead (Pb)	<0.00005		0.00005	mg/L		17-SEP-07	QLI
		Magnesium (Mg)	0.735		0.004	mg/L		17-SEP-07	QLI
		Manganese (Mn)	0.0323		0.0001	mg/L		17-SEP-07	QLI
		Molybdenum (Mo)	0.00145		0.00006	mg/L		17-SEP-07	QLI
		Nickel (Ni)	0.00454		0.00006	mg/L		17-SEP-07	QLI
		Potassium (K)	0.16		0.02	mg/L		17-SEP-07	QLI
		Selenium (Se)	0.0004		0.0001	mg/L		17-SEP-07	QLI
		Silver (Ag)	<0.0001		0.0001	mg/L		17-SEP-07	QLI
		Sodium (Na)	0.266		0.005	mg/L		17-SEP-07	QLI
		Strontium (Sr)	0.0216		0.0001	mg/L		17-SEP-07	QLI
		Uranium (U)	0.00017		0.00005	mg/L		17-SEP-07	QLI
		Vanadium (V)	<0.00005		0.00005	mg/L		17-SEP-07	QLI
		Zinc (Zn)	0.0064	RRVAP	0.0008	mg/L		17-SEP-07	QLI
		Iron (Fe)	<0.005		0.005	mg/L		14-SEP-07	HAS
		Mercury (Hg)	<0.00002		0.00002	mg/L		19-SEP-07	DEO
	Ultra-Low Metals								
	Ultra-Low Metals								
		Aluminum (Al)	0.0510		0.0003	mg/L		17-SEP-07	QLI
		Antimony (Sb)	0.00034		0.00003	mg/L		17-SEP-07	QLI
		Arsenic (As)	0.00314		0.00003	mg/L		17-SEP-07	QLI
		Barium (Ba)	0.0111		0.00005	mg/L		17-SEP-07	QLI
		Beryllium (Be)	<0.0002		0.0002	mg/L		17-SEP-07	QLI
		Boron (B)	<0.001		0.001	mg/L		17-SEP-07	QLI
		Cadmium (Cd)	0.00007		0.00005	mg/L		17-SEP-07	QLI
		Calcium (Ca)	10.2		0.02	mg/L		17-SEP-07	QLI
		Chromium (Cr)	<0.00006		0.00006	mg/L		17-SEP-07	QLI
		Cobalt (Co)	0.0007		0.0001	mg/L		17-SEP-07	QLI
		Copper (Cu)	0.0011		0.0006	mg/L		17-SEP-07	QLI
		Lead (Pb)	<0.00005		0.00005	mg/L		17-SEP-07	QLI
		Magnesium (Mg)	0.729		0.004	mg/L		17-SEP-07	QLI
		Manganese (Mn)	0.0341		0.0001	mg/L		17-SEP-07	QLI
		Molybdenum (Mo)	0.00144		0.00006	mg/L		17-SEP-07	QLI
		Nickel (Ni)	0.00443		0.00006	mg/L		17-SEP-07	QLI
		Potassium (K)	0.16	RRVAP	0.02	mg/L		17-SEP-07	QLI
		Selenium (Se)	0.0003		0.0001	mg/L		17-SEP-07	QLI
		Silver (Ag)	<0.0001		0.0001	mg/L		17-SEP-07	QLI
		Sodium (Na)	0.258		0.005	mg/L		17-SEP-07	QLI
		Strontium (Sr)	0.0213		0.0001	mg/L		17-SEP-07	QLI
		Uranium (U)	0.00036		0.00005	mg/L		17-SEP-07	QLI
		Vanadium (V)	<0.00005		0.00005	mg/L		17-SEP-07	QLI
		Zinc (Zn)	0.0037		0.0008	mg/L		17-SEP-07	QLI
		Iron (Fe)	0.005		0.005	mg/L		14-SEP-07	HAS
		Mercury (Hg)	<0.00002		0.00002	mg/L		19-SEP-07	DEO
	Routine Water: Major Ions,F,Fe,Mn - Low								
	ICP metals for routine water								
		Calcium (Ca)	10.3		0.5	mg/L		12-SEP-07	JWU
		Magnesium (Mg)	0.6		0.1	mg/L		12-SEP-07	JWU
		Potassium (K)	0.3		0.1	mg/L		12-SEP-07	JWU
		Sodium (Na)	<1		1	mg/L		12-SEP-07	JWU
	Ion Balance Calculation								

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Lab ID	Sample ID	Test Description	Result	Qual.	D.L.	Units	Extracted	Analyzed	By
L551811-10	STATION 8 DUPLICATE								
Sampled By:	SM/CJ on 05-SEP-07 @ 13:00								
Matrix:	WATER								
	Routine Water: Major Ions,F,Fe,Mn - Low								
	Ion Balance Calculation								
		Hardness (as CaCO3)	28			mg/L		16-SEP-07	
		Ion Balance	Low EC			%		16-SEP-07	
		TDS (Calculated)	38			mg/L		16-SEP-07	
	pH, Conductivity and Total Alkalinity								
		Alkalinity, Total (as CaCO3)	7		5	mg/L		12-SEP-07	CLT
		Bicarbonate (HCO3)	9		5	mg/L		12-SEP-07	CLT
		Carbonate (CO3)	<5		5	mg/L		12-SEP-07	CLT
		Conductivity (EC)	72.0		0.2	uS/cm		12-SEP-07	CLT
		Hydroxide (OH)	<5		5	mg/L		12-SEP-07	CLT
		pH	7.2		0.1	pH		12-SEP-07	CLT
		Chloride (Cl)	<1		1	mg/L		12-SEP-07	BOC/
		Fluoride (F)	0.08		0.05	mg/L		12-SEP-07	CLT
		Nitrate+Nitrite-N	<0.006		0.006	mg/L		11-SEP-07	FYG
		Nitrate-N	<0.006		0.006	mg/L		11-SEP-07	FYG
		Nitrite-N	<0.002		0.002	mg/L		11-SEP-07	FYG
		Sulphate (SO4)	22.9		0.05	mg/L		13-SEP-07	DDN
	Dissolved Metals								
		Silicon (Si)-Dissolved	1.2		0.1	mg/L		14-SEP-07	HAS
	Inorganic approval & RPD chain								
		Iron (Fe)-Extractable	<0.05		0.05	mg/L		19-SEP-07	JWU
		Manganese (Mn)-Extractable	0.02		0.01	mg/L		19-SEP-07	JWU
	Total Metals								
		Silicon (Si)-Total	1.2		0.1	mg/L		14-SEP-07	HAS
		Ammonia-N	0.007		0.005	mg/L		16-SEP-07	HZH
		Bismuth (Bi)	<0.00003		0.00003	mg/L		17-SEP-07	QLI
		Bismuth (Bi)	<0.00003		0.00003	mg/L		17-SEP-07	QLI
		Lithium (Li)	0.0015		0.0001	mg/L		17-SEP-07	QLI
		Lithium (Li)	0.0015		0.0001	mg/L		17-SEP-07	QLI
		Phosphorus, Total	0.002		0.001	mg/L		13-SEP-07	FYG
		Tin (Sn)-Total	<0.0001		0.0001	mg/L		17-SEP-07	QLI
		Tin (Sn)-Dissolved	<0.0001		0.0001	mg/L		17-SEP-07	QLI
		Total Organic Carbon	3		1	mg/L		12-SEP-07	ZOW
		Total Suspended Solids	<3		3	mg/L		12-SEP-07	SVG
		Turbidity	0.15		0.1	NTU		12-SEP-07	LD
L551811-11	TRAVEL BLANK								
Sampled By:	SM/CJ								
Matrix:	WATER								
	Ultra-Low Metals - Dissolved								
	Ultra-Low Metals - Dissolved								
		Aluminum (Al)	<0.0003		0.0003	mg/L		17-SEP-07	QLI
		Antimony (Sb)	<0.00003		0.00003	mg/L		17-SEP-07	QLI
		Arsenic (As)	<0.00003		0.00003	mg/L		17-SEP-07	QLI
		Barium (Ba)	<0.00005		0.00005	mg/L		17-SEP-07	QLI
		Beryllium (Be)	<0.0002		0.0002	mg/L		17-SEP-07	QLI
		Boron (B)	<0.001		0.001	mg/L		17-SEP-07	QLI
		Cadmium (Cd)	<0.00005		0.00005	mg/L		17-SEP-07	QLI
		Calcium (Ca)	<0.02		0.02	mg/L		17-SEP-07	QLI
		Chromium (Cr)	<0.00006		0.00006	mg/L		17-SEP-07	QLI
		Cobalt (Co)	<0.0001		0.0001	mg/L		17-SEP-07	QLI

ALS LABORATORY GROUP CHEMICAL ANALYSIS REPORT

Lab ID	Sample ID	Test Description	Result	Qual.	D.L.	Units	Extracted	Analyzed	By
L551811-11	TRAVEL BLANK								
Sampled By:	SM/CJ								
Matrix:	WATER								
		Ultra-Low Metals - Dissolved							
		Ultra-Low Metals - Dissolved							
		Copper (Cu)	<0.0006		0.0006	mg/L		17-SEP-07	QLI
		Lead (Pb)	<0.00005		0.00005	mg/L		17-SEP-07	QLI
		Magnesium (Mg)	<0.004		0.004	mg/L		17-SEP-07	QLI
		Manganese (Mn)	<0.0001		0.0001	mg/L		17-SEP-07	QLI
		Molybdenum (Mo)	<0.00006		0.00006	mg/L		17-SEP-07	QLI
		Nickel (Ni)	<0.00006		0.00006	mg/L		17-SEP-07	QLI
		Potassium (K)	<0.02		0.02	mg/L		17-SEP-07	QLI
		Selenium (Se)	<0.0001		0.0001	mg/L		17-SEP-07	QLI
		Silver (Ag)	<0.0001		0.0001	mg/L		17-SEP-07	QLI
		Sodium (Na)	<0.005		0.005	mg/L		17-SEP-07	QLI
		Strontium (Sr)	<0.0001		0.0001	mg/L		17-SEP-07	QLI
		Uranium (U)	<0.00005		0.00005	mg/L		17-SEP-07	QLI
		Vanadium (V)	<0.00005		0.00005	mg/L		17-SEP-07	QLI
		Zinc (Zn)	<0.0008		0.0008	mg/L		17-SEP-07	QLI
		Iron (Fe)	<0.005		0.005	mg/L		14-SEP-07	HAS
		Mercury (Hg)	<0.00002		0.00002	mg/L		19-SEP-07	DEO
		Ultra-Low Metals							
		Ultra-Low Metals							
		Aluminum (Al)	<0.0003		0.0003	mg/L		17-SEP-07	QLI
		Antimony (Sb)	<0.00003		0.00003	mg/L		17-SEP-07	QLI
		Arsenic (As)	<0.00003		0.00003	mg/L		17-SEP-07	QLI
		Barium (Ba)	<0.00005		0.00005	mg/L		17-SEP-07	QLI
		Beryllium (Be)	<0.0002		0.0002	mg/L		17-SEP-07	QLI
		Boron (B)	<0.001		0.001	mg/L		17-SEP-07	QLI
		Cadmium (Cd)	<0.00005		0.00005	mg/L		17-SEP-07	QLI
		Calcium (Ca)	<0.02		0.02	mg/L		17-SEP-07	QLI
		Chromium (Cr)	<0.00006		0.00006	mg/L		17-SEP-07	QLI
		Cobalt (Co)	<0.0001		0.0001	mg/L		17-SEP-07	QLI
		Copper (Cu)	<0.0006		0.0006	mg/L		17-SEP-07	QLI
		Lead (Pb)	<0.00005		0.00005	mg/L		17-SEP-07	QLI
		Magnesium (Mg)	<0.004		0.004	mg/L		17-SEP-07	QLI
		Manganese (Mn)	<0.0001		0.0001	mg/L		17-SEP-07	QLI
		Molybdenum (Mo)	<0.00006		0.00006	mg/L		17-SEP-07	QLI
		Nickel (Ni)	<0.00006		0.00006	mg/L		17-SEP-07	QLI
		Potassium (K)	<0.02		0.02	mg/L		17-SEP-07	QLI
		Selenium (Se)	<0.0001		0.0001	mg/L		17-SEP-07	QLI
		Silver (Ag)	<0.0001		0.0001	mg/L		17-SEP-07	QLI
		Sodium (Na)	<0.005		0.005	mg/L		17-SEP-07	QLI
		Strontium (Sr)	<0.0001		0.0001	mg/L		17-SEP-07	QLI
		Uranium (U)	<0.00005		0.00005	mg/L		17-SEP-07	QLI
		Vanadium (V)	<0.00005		0.00005	mg/L		17-SEP-07	QLI
		Zinc (Zn)	<0.0008		0.0008	mg/L		17-SEP-07	QLI
		Iron (Fe)	<0.005		0.005	mg/L		14-SEP-07	HAS
		Mercury (Hg)	<0.00002		0.00002	mg/L		19-SEP-07	DEO
		Routine Water: Major Ions,F,Fe,Mn - Low							
		ICP metals for routine water							
		Calcium (Ca)	<0.5		0.5	mg/L		12-SEP-07	JWU
		Magnesium (Mg)	<0.1		0.1	mg/L		12-SEP-07	JWU
		Potassium (K)	<0.1		0.1	mg/L		12-SEP-07	JWU
		Sodium (Na)	<1		1	mg/L		12-SEP-07	JWU
		Ion Balance Calculation							
		Hardness (as CaCO3)	<1			mg/L		16-SEP-07	

ALS LABORATORY GROUP CHEMICAL ANALYSIS REPORT

Lab ID	Sample ID	Test Description	Result	Qual.	D.L.	Units	Extracted	Analyzed	By
L551811-11	TRAVEL BLANK								
Sampled By:	SM/CJ								
Matrix:	WATER								
		Routine Water: Major Ions,F,Fe,Mn - Low							
		Ion Balance Calculation							
		Ion Balance	Low TDS			%		16-SEP-07	
		TDS (Calculated)	<1			mg/L		16-SEP-07	
		pH, Conductivity and Total Alkalinity							
		Alkalinity, Total (as CaCO3)	<5		5	mg/L		12-SEP-07	CLT
		Bicarbonate (HCO3)	<5		5	mg/L		12-SEP-07	CLT
		Carbonate (CO3)	<5		5	mg/L		12-SEP-07	CLT
		Conductivity (EC)	0.7		0.2	uS/cm		12-SEP-07	CLT
		Hydroxide (OH)	<5		5	mg/L		12-SEP-07	CLT
		pH	5.6		0.1	pH		12-SEP-07	CLT
		Chloride (Cl)	<1		1	mg/L		12-SEP-07	BOC/
		Fluoride (F)	<0.05		0.05	mg/L		12-SEP-07	CLT
		Nitrate+Nitrite-N	<0.006		0.006	mg/L		11-SEP-07	FYG
		Nitrate-N	<0.006		0.006	mg/L		11-SEP-07	FYG
		Nitrite-N	<0.002		0.002	mg/L		11-SEP-07	FYG
		Sulphate (SO4)	<0.05		0.05	mg/L		11-SEP-07	JTV
		Dissolved Metals							
		Silicon (Si)-Dissolved	<0.1		0.1	mg/L		14-SEP-07	HAS
		Inorganic approval & RPD chain							
		Iron (Fe)-Extractable	<0.05		0.05	mg/L		19-SEP-07	JWU
		Manganese (Mn)-Extractable	<0.01		0.01	mg/L		19-SEP-07	JWU
		Total Metals							
		Silicon (Si)-Total	<0.1		0.1	mg/L		14-SEP-07	HAS
		Ammonia-N	<0.005		0.005	mg/L		16-SEP-07	HZH
		Bismuth (Bi)	<0.00003		0.00003	mg/L		17-SEP-07	QLI
		Bismuth (Bi)	<0.00003		0.00003	mg/L		17-SEP-07	QLI
		Lithium (Li)	<0.0001		0.0001	mg/L		17-SEP-07	QLI
		Lithium (Li)	<0.0001		0.0001	mg/L		17-SEP-07	QLI
		Phosphorus, Total	<0.001		0.001	mg/L		13-SEP-07	FYG
		Tin (Sn)-Total	<0.0001		0.0001	mg/L		17-SEP-07	QLI
		Tin (Sn)-Dissolved	<0.0001		0.0001	mg/L		17-SEP-07	QLI
		Total Organic Carbon	1		1	mg/L		12-SEP-07	ZOW
		Total Suspended Solids	<3		3	mg/L		12-SEP-07	SVG
		Turbidity	<0.1		0.1	NTU		12-SEP-07	LD
L551811-12	FIELD BLANK								
Sampled By:	SM/CJ on 05-SEP-07 @ 13:00								
Matrix:	WATER								
		Ultra-Low Metals - Dissolved							
		Ultra-Low Metals - Dissolved							
		Aluminum (Al)	<0.0003		0.0003	mg/L		17-SEP-07	QLI
		Antimony (Sb)	<0.00003		0.00003	mg/L		17-SEP-07	QLI
		Arsenic (As)	<0.00003		0.00003	mg/L		17-SEP-07	QLI
		Barium (Ba)	0.00010		0.00005	mg/L		17-SEP-07	QLI
		Beryllium (Be)	<0.0002		0.0002	mg/L		17-SEP-07	QLI
		Boron (B)	<0.001		0.001	mg/L		17-SEP-07	QLI
		Cadmium (Cd)	<0.00005		0.00005	mg/L		17-SEP-07	QLI
		Calcium (Ca)	0.10	RRVAP	0.02	mg/L		17-SEP-07	QLI
		Chromium (Cr)	<0.00006		0.00006	mg/L		17-SEP-07	QLI
		Cobalt (Co)	<0.0001		0.0001	mg/L		17-SEP-07	QLI

ALS LABORATORY GROUP CHEMICAL ANALYSIS REPORT

Lab ID	Sample ID	Test Description	Result	Qual.	D.L.	Units	Extracted	Analyzed	By
L551811-12	FIELD BLANK								
Sampled By:	SM/CJ on 05-SEP-07 @ 13:00								
Matrix:	WATER								
	Ultra-Low Metals - Dissolved								
	Ultra-Low Metals - Dissolved								
		Copper (Cu)	<0.0006		0.0006	mg/L		17-SEP-07	QLI
		Lead (Pb)	<0.00005		0.00005	mg/L		17-SEP-07	QLI
		Magnesium (Mg)	<0.004		0.004	mg/L		17-SEP-07	QLI
		Manganese (Mn)	<0.0001		0.0001	mg/L		17-SEP-07	QLI
		Molybdenum (Mo)	<0.00006		0.00006	mg/L		17-SEP-07	QLI
		Nickel (Ni)	0.00007		0.00006	mg/L		17-SEP-07	QLI
		Potassium (K)	<0.02		0.02	mg/L		17-SEP-07	QLI
		Selenium (Se)	<0.0001		0.0001	mg/L		17-SEP-07	QLI
		Silver (Ag)	<0.0001		0.0001	mg/L		17-SEP-07	QLI
		Sodium (Na)	0.417	RRVAP	0.005	mg/L		17-SEP-07	QLI
		Strontium (Sr)	0.0001		0.0001	mg/L		17-SEP-07	QLI
		Uranium (U)	<0.00005		0.00005	mg/L		17-SEP-07	QLI
		Vanadium (V)	<0.00005		0.00005	mg/L		17-SEP-07	QLI
		Zinc (Zn)	0.0032		0.0008	mg/L		17-SEP-07	QLI
		Iron (Fe)	<0.005		0.005	mg/L		14-SEP-07	HAS
		Mercury (Hg)	<0.00002		0.00002	mg/L		19-SEP-07	DEO
	Ultra-Low Metals								
	Ultra-Low Metals								
		Aluminum (Al)	0.0007		0.0003	mg/L		17-SEP-07	QLI
		Antimony (Sb)	<0.00003		0.00003	mg/L		17-SEP-07	QLI
		Arsenic (As)	<0.00003		0.00003	mg/L		17-SEP-07	QLI
		Barium (Ba)	0.00014		0.00005	mg/L		17-SEP-07	QLI
		Beryllium (Be)	<0.0002		0.0002	mg/L		17-SEP-07	QLI
		Boron (B)	<0.001		0.001	mg/L		17-SEP-07	QLI
		Cadmium (Cd)	<0.00005		0.00005	mg/L		17-SEP-07	QLI
		Calcium (Ca)	0.10	RRVAP	0.02	mg/L		17-SEP-07	QLI
		Chromium (Cr)	<0.00006		0.00006	mg/L		17-SEP-07	QLI
		Cobalt (Co)	<0.0001		0.0001	mg/L		17-SEP-07	QLI
		Copper (Cu)	<0.0006		0.0006	mg/L		17-SEP-07	QLI
		Lead (Pb)	<0.00005		0.00005	mg/L		17-SEP-07	QLI
		Magnesium (Mg)	<0.004		0.004	mg/L		17-SEP-07	QLI
		Manganese (Mn)	<0.0001		0.0001	mg/L		17-SEP-07	QLI
		Molybdenum (Mo)	<0.00006		0.00006	mg/L		17-SEP-07	QLI
		Nickel (Ni)	<0.00006		0.00006	mg/L		17-SEP-07	QLI
		Potassium (K)	<0.02		0.02	mg/L		17-SEP-07	QLI
		Selenium (Se)	<0.0001		0.0001	mg/L		17-SEP-07	QLI
		Silver (Ag)	<0.0001		0.0001	mg/L		17-SEP-07	QLI
		Sodium (Na)	0.418	RRVAP	0.005	mg/L		17-SEP-07	QLI
		Strontium (Sr)	<0.0001		0.0001	mg/L		17-SEP-07	QLI
		Uranium (U)	<0.00005		0.00005	mg/L		17-SEP-07	QLI
		Vanadium (V)	<0.00005		0.00005	mg/L		17-SEP-07	QLI
		Zinc (Zn)	<0.0008		0.0008	mg/L		20-SEP-07	CVM
		Iron (Fe)	<0.005		0.005	mg/L		14-SEP-07	HAS
		Mercury (Hg)	<0.00002		0.00002	mg/L		19-SEP-07	DEO
	Routine Water: Major Ions,F,Fe,Mn - Low								
	ICP metals for routine water								
		Calcium (Ca)	<0.5		0.5	mg/L		12-SEP-07	JWU
		Magnesium (Mg)	<0.1		0.1	mg/L		12-SEP-07	JWU
		Potassium (K)	0.1		0.1	mg/L		12-SEP-07	JWU
		Sodium (Na)	1		1	mg/L		12-SEP-07	JWU

ALS LABORATORY GROUP CHEMICAL ANALYSIS REPORT

Lab ID	Sample ID	Test Description	Result	Qual.	D.L.	Units	Extracted	Analyzed	By
L551811-12	FIELD BLANK								
Sampled By:	SM/CJ on 05-SEP-07 @ 13:00								
Matrix:	WATER								
		Routine Water: Major Ions,F,Fe,Mn - Low							
		Ion Balance Calculation							
		Hardness (as CaCO3)	<1			mg/L		16-SEP-07	
		Ion Balance	Low Anions			%		16-SEP-07	
		TDS (Calculated)	1			mg/L		16-SEP-07	
		pH, Conductivity and Total Alkalinity							
		Alkalinity, Total (as CaCO3)	<5		5	mg/L		12-SEP-07	CLT
		Bicarbonate (HCO3)	<5		5	mg/L		12-SEP-07	CLT
		Carbonate (CO3)	<5		5	mg/L		12-SEP-07	CLT
		Conductivity (EC)	2.0		0.2	uS/cm		12-SEP-07	CLT
		Hydroxide (OH)	<5		5	mg/L		12-SEP-07	CLT
		pH	6.4		0.1	pH		12-SEP-07	CLT
		Chloride (Cl)	<1		1	mg/L		12-SEP-07	BOC/
		Fluoride (F)	<0.05		0.05	mg/L		12-SEP-07	CLT
		Nitrate+Nitrite-N	<0.006		0.006	mg/L		11-SEP-07	FYG
		Nitrate-N	<0.006		0.006	mg/L		11-SEP-07	FYG
		Nitrite-N	<0.002		0.002	mg/L		11-SEP-07	FYG
		Sulphate (SO4)	<0.05		0.05	mg/L		11-SEP-07	JTV
		Dissolved Metals							
		Silicon (Si)-Dissolved	0.1		0.1	mg/L		14-SEP-07	HAS
		Inorganic approval & RPD chain							
		Iron (Fe)-Extractable	<0.05		0.05	mg/L		19-SEP-07	JWU
		Manganese (Mn)-Extractable	<0.01		0.01	mg/L		19-SEP-07	JWU
		Total Metals							
		Silicon (Si)-Total	<0.1		0.1	mg/L		14-SEP-07	HAS
		Ammonia-N	<0.005		0.005	mg/L		16-SEP-07	HZH
		Bismuth (Bi)	<0.00003		0.00003	mg/L		17-SEP-07	QLI
		Bismuth (Bi)	<0.00003		0.00003	mg/L		17-SEP-07	QLI
		Lithium (Li)	<0.0001		0.0001	mg/L		17-SEP-07	QLI
		Lithium (Li)	<0.0001		0.0001	mg/L		17-SEP-07	QLI
		Phosphorus, Total	0.002	RRV	0.001	mg/L		13-SEP-07	FYG
		Tin (Sn)-Total	0.0011		0.0001	mg/L		17-SEP-07	QLI
		Tin (Sn)-Dissolved	0.0011	RRVAP	0.0001	mg/L		17-SEP-07	QLI
		Total Organic Carbon	<1		1	mg/L		12-SEP-07	ZOW
		Total Suspended Solids	<3		3	mg/L		12-SEP-07	SVG
		Turbidity	<0.1		0.1	NTU		12-SEP-07	LD

Reference Information

Qualifiers for Sample Submission Listed:

Qualifier	Description
EHT	Exceeds Recommended Holding Time Prior To Analysis

Sample Parameter Qualifier key listed:

Qualifier	Description
CF	Confirmation required
DLM	Detection Limit Adjustment For Sample Matrix Effects
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)
BI-ULTRA-DIS-ED	Water	Bismuth (Bi)-Dissolved		EPA 6020
BI-ULTRA-ED	Water	Bismuth (Bi)		EPA 6020
C-TOT-ORG-ED	Water	Total Organic Carbon		APHA 5310 B
CL-ED	Water	Chloride (Cl)		APHA 4500-CL E
ETL-ROUTINE-LOW-ED	Water	ICP metals for routine water		APHA 3120 B
F-ED	Water	Fluoride (F)		APHA 4500-F C
FE-EXT-ROU-ED	Water	Iron (Fe)-Extractable		APHA 3120 B
HG-ULT-CV-ED	Water	Mercury (Hg)	EPA 245.7	EPA 245.1
HG-ULT-DIS-CV-ED	Water	Mercury (Hg) - Dissolved	EPA 245.7	EPA 245.1
IONBALANCE-ED	Water	Ion Balance Calculation		APHA 1030 E
LI-ULTRA-DIS-ED	Water	Lithium (Li)-Dissolved		EPA 6020
LI-ULTRA-ED	Water	Lithium (Li)		EPA 6020
MET1-ULTRA-DIS-ED	Water	Ultra-Low Metals - Dissolved		EPA 6020
MET1-ULTRA-ED	Water	Ultra-Low Metals		EPA 6020
MET2-ULTRA-DIS-ED	Water	Major Metals - Dissolved		EPA 200.7
MET2-ULTRA-ED	Water	Major Metals		EPA 200.7
MN-EXT-ROU-ED	Water	Manganese (Mn)-Extractable		APHA 3120 B
N2N3-LOW-ED	Water	Nitrate+Nitrite-N		APHA 4500-NO3 I
NH4-LOW-ED	Water	Ammonia-N		APHA 4500-NH3 F
NO2-LOW-ED	Water	Nitrite-N		APHA 4500-NO2-LOW
NO3-LOW-ED	Water	Nitrate-N		APHA 4500-NO3 I
P-TOTAL-LOW-ED	Water	Phosphorus, Total		APHA 4500-P E-LOW
PH/EC/ALK-ED	Water	pH, Conductivity and Total Alkalinity		APHA 4500H,2510,2320
SI-DIS-ED	Water	Silicon (Si)-Dissolved		EPA 200.7
SI-TOT-ED	Water	Silicon (Si)-Total		EPA 200.7
SN-ULTRA-DIS-ED	Water	Tin (Sn)-Dissolved		EPA 6020
SN-ULTRA-ED	Water	Tin (Sn)		EPA 6020
SO4-LOW-ED	Water	Sulfate (SO4)		APHA 4110 B-LOW

Reference Information

SOLIDS-TOTSUS-ED	Water	Total Suspended Solids	APHA 2540 D
TURBIDITY-ED	Water	Turbidity	APHA 2130 B

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

Chain of Custody numbers:

A065101 A065102

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		

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.

ALS Laboratory Group Quality Control Report

Workorder: L551811 Report Date: 26-SEP-07

Client: EBA ENG CONSULTANTS LTD
201- 4916 49 STREET PO BOX 2244
YELLOWKNIFE NT X1A 2P7

Contact: STEVE MOORE

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
BI-ULTRA-DIS-ED	Water							
Batch R575278								
WG657253-2 CRM		**1643E WATER**						
Bismuth (Bi)			73	G	%		84-115	17-SEP-07
WG657253-1 MB								
Bismuth (Bi)			<0.00003		mg/L		0.00015	17-SEP-07
BI-ULTRA-ED	Water							
Batch R575278								
WG657253-2 CRM		**1643E WATER**						
Bismuth (Bi)			73	G	%		84-115	17-SEP-07
WG657253-10 DUP		**L551811-9**						
Bismuth (Bi)		<0.00003	<0.00003	RPD-NA	mg/L	N/A	28	17-SEP-07
WG657253-6 DUP		**L549429-5**						
Bismuth (Bi)		<0.00003	<0.00003	RPD-NA	mg/L	N/A	28	17-SEP-07
WG657253-9 DUP		**L551811-3**						
Bismuth (Bi)		<0.00003	<0.00003	RPD-NA	mg/L	N/A	28	17-SEP-07
WG657253-1 MB								
Bismuth (Bi)			<0.00003		mg/L		0.00015	17-SEP-07
C-TOT-ORG-ED	Water							
Batch R572985								
WG656745-11 DUP		**L551732-1**						
Total Organic Carbon		7	7	J	mg/L	0	4	12-SEP-07
WG656745-5 DUP		**L551647-12**						
Total Organic Carbon		10	10	J	mg/L	0	4	12-SEP-07
WG656745-7 DUP		**L549429-5**						
Total Organic Carbon		<1	<1	RPD-NA	mg/L	N/A	10	12-SEP-07
WG656745-9 DUP		**L551281-1**						
Total Organic Carbon		3	3	J	mg/L	0	4	12-SEP-07
WG656745-1 LCS								
Total Organic Carbon			100		%		88-108	12-SEP-07
WG656745-4 LCS								
Total Organic Carbon			123		%		99-138	12-SEP-07
WG656745-2 MB								
Total Organic Carbon			<1		mg/L		1	12-SEP-07
WG656745-3 MB								
Total Organic Carbon			<1		mg/L		1	12-SEP-07
WG656745-10 MS		**L551281-1**						
Total Organic Carbon			96		%		77-116	12-SEP-07
WG656745-12 MS		**L551732-1**						

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Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
C-TOT-ORG-ED	Water							
Batch R572985								
WG656745-12 MS		**L551732-1**						
Total Organic Carbon			99		%		77-116	12-SEP-07
WG656745-6 MS		**L551647-12**						
Total Organic Carbon			98		%		77-116	12-SEP-07
WG656745-8 MS		**L549429-5**						
Total Organic Carbon			107		%		77-116	12-SEP-07
CL-ED	Water							
Batch R573172								
WG656602-11 DUP		**L551740-15**						
Chloride (Cl)		<1	<1	RPD-NA	mg/L	N/A	6.5	12-SEP-07
WG656602-20 DUP		**L553105-1**						
Chloride (Cl)		2	2	J	mg/L	0	4	12-SEP-07
WG656602-5 DUP		**L552054-1**						
Chloride (Cl)		12	12		mg/L	0.92	6.5	12-SEP-07
WG656602-7 DUP		**L552733-12**						
Chloride (Cl)		1	1	J	mg/L	0	4	12-SEP-07
WG656602-2 LCS								
Chloride (Cl)			100		%		94-109	12-SEP-07
WG656602-3 LCS								
Chloride (Cl)			102		%		93-113	12-SEP-07
WG656602-1 MB								
Chloride (Cl)			<1		mg/L		1	12-SEP-07
WG656602-12 MS		**L551740-15**						
Chloride (Cl)			97		%		87-117	12-SEP-07
WG656602-6 MS		**L552054-1**						
Chloride (Cl)			98		%		87-117	12-SEP-07
WG656602-8 MS		**L552733-12**						
Chloride (Cl)			100		%		87-117	12-SEP-07
ETL-ROUTINE-LOW-ED	Water							
Batch R573224								
WG656665-3 CRM		**ION-915 WATER**						
Calcium (Ca)			105		%		96-116	12-SEP-07
Magnesium (Mg)			101		%		96-115	12-SEP-07
WG656665-2 LCS								
Calcium (Ca)			97		%		90-110	12-SEP-07
Magnesium (Mg)			101		%		90-110	12-SEP-07
Potassium (K)			101		%		90-110	12-SEP-07

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Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
ETL-ROUTINE-LOW-ED	Water							
Batch R573224								
WG656665-2 LCS								
Sodium (Na)			101		%		90-110	12-SEP-07
WG656665-1 MB								
Calcium (Ca)			<0.5		mg/L		2.5	12-SEP-07
Magnesium (Mg)			<0.1		mg/L		0.5	12-SEP-07
Potassium (K)			<0.1		mg/L		0.5	12-SEP-07
Sodium (Na)			<1		mg/L		5	12-SEP-07
F-ED	Water							
Batch R573358								
WG656874-5 DUP		**L551811-1**						
Fluoride (F)		0.31	0.29	J	mg/L	0.02	0.2	12-SEP-07
WG656874-4 LCS								
Fluoride (F)			113		%		89-114	12-SEP-07
WG656874-1 MB								
Fluoride (F)			<0.05		mg/L		0.05	12-SEP-07
FE-EXT-ROU-ED	Water							
Batch R576549								
WG660447-3 DUP		**L551811-1**						
Iron (Fe)-Extractable		0.26	0.26	J	mg/L	0.01	0.2	19-SEP-07
WG660447-2 LCS								
Iron (Fe)-Extractable			104		%		95-115	19-SEP-07
WG660447-1 MB								
Iron (Fe)-Extractable			<0.05		mg/L		0.25	19-SEP-07
WG660447-4 MS		**L551811-1**						
Iron (Fe)-Extractable			106		%		97-115	19-SEP-07
HG-ULT-CV-ED	Water							
Batch R576795								
WG660047-2 LCS								
Mercury (Hg)			108		%		63-135	19-SEP-07
WG660047-3 LCSD		**WG660047-2**						
Mercury (Hg)		108	107		%	1.4	30	19-SEP-07
WG660047-1 MB								
Mercury (Hg)			<0.00002		mg/L		0.00002	19-SEP-07
HG-ULT-DIS-CV-ED	Water							

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Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
HG-ULT-DIS-CV-ED	Water							
Batch R576795								
WG660047-4 DUP		**L551811-5**						
Mercury (Hg)		<0.00002	<0.00002	RPD-NA	mg/L	N/A	16	19-SEP-07
WG660047-6 DUP		**L551811-9**						
Mercury (Hg)		<0.00002	<0.00002	RPD-NA	mg/L	N/A	16	19-SEP-07
WG660047-2 LCS								
Mercury (Hg)			108		%		63-135	19-SEP-07
WG660047-3 LCSD		**WG660047-2**						
Mercury (Hg)		108	107		%	1.4	30	19-SEP-07
WG660047-1 MB								
Mercury (Hg)			<0.00002		mg/L		0.00002	19-SEP-07
WG660047-5 MS		**L551811-5**						
Mercury (Hg)			103		%		71-131	19-SEP-07
WG660047-7 MS		**L551811-9**						
Mercury (Hg)			101		%		71-131	19-SEP-07
LI-ULTRA-DIS-ED	Water							
Batch R575278								
WG657253-2 CRM		**1643E WATER**						
Lithium (Li)			99		%		91-118	17-SEP-07
WG657253-1 MB								
Lithium (Li)			<0.0001		mg/L		0.0005	17-SEP-07
LI-ULTRA-ED	Water							
Batch R575278								
WG657253-2 CRM		**1643E WATER**						
Lithium (Li)			99		%		87-114	17-SEP-07
WG657253-10 DUP		**L551811-9**						
Lithium (Li)		0.0015	0.0015		mg/L	4.9	12	17-SEP-07
WG657253-6 DUP		**L549429-5**						
Lithium (Li)		<0.0001	<0.0001	RPD-NA	mg/L	N/A	12	17-SEP-07
WG657253-9 DUP		**L551811-3**						
Lithium (Li)		0.0032	0.0034		mg/L	5.7	12	17-SEP-07
WG657253-1 MB								
Lithium (Li)			<0.0001		mg/L		0.0005	17-SEP-07
MET1-ULTRA-DIS-ED	Water							
Batch R575278								
WG657253-2 CRM		**1643E WATER**						
Aluminum (Al)			105		%		90-122	17-SEP-07
Antimony (Sb)			106		%		86-108	17-SEP-07

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Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
MET1-ULTRA-DIS-ED	Water							
Batch R575278								
WG657253-2 CRM		**1643E WATER**						
Arsenic (As)			103		%		88-109	17-SEP-07
Beryllium (Be)			105		%		77-110	17-SEP-07
Boron (B)			96		%		80-116	17-SEP-07
Cadmium (Cd)			99		%		93-112	17-SEP-07
Calcium (Ca)			97		%		82-106	17-SEP-07
Chromium (Cr)			111		%		83-118	17-SEP-07
Cobalt (Co)			106		%		90-110	17-SEP-07
Copper (Cu)			101		%		89-112	17-SEP-07
Magnesium (Mg)			91		%		86-109	17-SEP-07
Manganese (Mn)			104		%		81-120	17-SEP-07
Molybdenum (Mo)			101		%		88-111	17-SEP-07
Nickel (Ni)			103		%		88-110	17-SEP-07
Potassium (K)			98		%		88-120	17-SEP-07
Selenium (Se)			94		%		76-112	17-SEP-07
Sodium (Na)			91		%		86-105	17-SEP-07
Strontium (Sr)			104		%		87-109	17-SEP-07
Vanadium (V)			106		%		89-112	17-SEP-07
Zinc (Zn)			102		%		84-129	17-SEP-07
Barium (Ba)			86	G	%		88-109	17-SEP-07
Iron (Fe)			115	G	%		90-110	17-SEP-07
Lead (Pb)			71	G	%		89-110	17-SEP-07
WG657253-1 MB								
Aluminum (Al)			<0.0003		mg/L		0.0015	17-SEP-07
Antimony (Sb)			<0.00003		mg/L		0.00015	17-SEP-07
Arsenic (As)			<0.00003		mg/L		0.00015	17-SEP-07
Barium (Ba)			<0.00005		mg/L		0.00025	17-SEP-07
Beryllium (Be)			<0.0002		mg/L		0.001	17-SEP-07
Boron (B)			<0.001		mg/L		0.005	17-SEP-07
Cadmium (Cd)			<0.00005		mg/L		0.00025	17-SEP-07
Calcium (Ca)			<0.02		mg/L		0.1	17-SEP-07
Chromium (Cr)			<0.00006		mg/L		0.0003	17-SEP-07
Cobalt (Co)			<0.0001		mg/L		0.0005	17-SEP-07
Copper (Cu)			<0.0006		mg/L		0.003	17-SEP-07

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
MET1-ULTRA-DIS-ED	Water							
Batch R575278								
WG657253-1 MB								
Iron (Fe)			<0.005		mg/L		0.025	17-SEP-07
Lead (Pb)			<0.00005		mg/L		0.00025	17-SEP-07
Magnesium (Mg)			<0.004		mg/L		0.02	17-SEP-07
Manganese (Mn)			<0.0001		mg/L		0.0005	17-SEP-07
Molybdenum (Mo)			<0.00006		mg/L		0.0003	17-SEP-07
Nickel (Ni)			<0.00006		mg/L		0.0003	17-SEP-07
Potassium (K)			<0.02		mg/L		0.1	17-SEP-07
Selenium (Se)			<0.0001		mg/L		0.0005	17-SEP-07
Silver (Ag)			<0.0001		mg/L		0.0005	17-SEP-07
Sodium (Na)			<0.005		mg/L		0.025	17-SEP-07
Strontium (Sr)			<0.0001		mg/L		0.0005	17-SEP-07
Uranium (U)			<0.00005		mg/L		0.00025	17-SEP-07
Vanadium (V)			<0.00005		mg/L		0.00025	17-SEP-07
Zinc (Zn)			<0.0008		mg/L		0.004	17-SEP-07
MET1-ULTRA-ED	Water							
Batch R575278								
WG657253-2 CRM		**1643E WATER**						
Aluminum (Al)			105		%		90-122	17-SEP-07
Antimony (Sb)			106		%		86-108	17-SEP-07
Arsenic (As)			103		%		84-105	17-SEP-07
Beryllium (Be)			105		%		77-110	17-SEP-07
Boron (B)			96		%		80-116	17-SEP-07
Cadmium (Cd)			99		%		87-109	17-SEP-07
Calcium (Ca)			97		%		82-106	17-SEP-07
Chromium (Cr)			111		%		84-118	17-SEP-07
Cobalt (Co)			106		%		90-110	17-SEP-07
Copper (Cu)			101		%		89-112	17-SEP-07
Magnesium (Mg)			91		%		86-109	17-SEP-07
Manganese (Mn)			104		%		81-120	17-SEP-07
Molybdenum (Mo)			101		%		88-111	17-SEP-07
Nickel (Ni)			103		%		88-110	17-SEP-07
Potassium (K)			98		%		88-119	17-SEP-07
Selenium (Se)			94		%		76-112	17-SEP-07

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
MET1-ULTRA-ED	Water							
Batch R575278								
WG657253-2 CRM		**1643E WATER**						
Silver (Ag)			103		%		4-124	17-SEP-07
Sodium (Na)			91		%		86-105	17-SEP-07
Strontium (Sr)			104		%		87-109	17-SEP-07
Vanadium (V)			106		%		87-109	17-SEP-07
Zinc (Zn)			102		%		65-133	17-SEP-07
Barium (Ba)			86	G	%		88-109	17-SEP-07
Iron (Fe)			115	G	%		90-110	17-SEP-07
Lead (Pb)			71	G	%		89-110	17-SEP-07
WG657253-10 DUP		**L551811-9**						
Aluminum (Al)		0.0502	0.0511		mg/L	1.8	15	17-SEP-07
Antimony (Sb)		0.00035	0.00037		mg/L	6.4	10	17-SEP-07
Arsenic (As)		0.00309	0.00318		mg/L	2.6	11	17-SEP-07
Barium (Ba)		0.0112	0.0113		mg/L	0.57	10	17-SEP-07
Beryllium (Be)		<0.0002	<0.0002	RPD-NA	mg/L	N/A	26	17-SEP-07
Boron (B)		<0.001	<0.001	RPD-NA	mg/L	N/A	10	17-SEP-07
Cadmium (Cd)		0.00007	0.00008	J	mg/L	0.00001	0.0002	17-SEP-07
Calcium (Ca)		10.1	10.1		mg/L	0.13	9.8	17-SEP-07
Chromium (Cr)		<0.00006	<0.00006	RPD-NA	mg/L	N/A	18	17-SEP-07
Cobalt (Co)		0.0007	0.0007	J	mg/L	0.0000	0.0004	17-SEP-07
Copper (Cu)		0.0011	0.0011	J	mg/L	0.0000	0.0024	17-SEP-07
Iron (Fe)		<0.005	<0.005	RPD-NA	mg/L	N/A	10	17-SEP-07
Lead (Pb)		<0.00005	<0.00005	RPD-NA	mg/L	N/A	12	17-SEP-07
Magnesium (Mg)		0.717	0.741		mg/L	3.3	9.8	17-SEP-07
Manganese (Mn)		0.0336	0.0341		mg/L	1.5	10	17-SEP-07
Molybdenum (Mo)		0.00143	0.00148		mg/L	3.5	10	17-SEP-07
Nickel (Ni)		0.00446	0.00454		mg/L	1.8	10	17-SEP-07
Potassium (K)		0.16	0.17	J	mg/L	0.00	0.08	17-SEP-07
Selenium (Se)		0.0003	0.0004	J	mg/L	0.0000	0.0004	17-SEP-07
Silver (Ag)		<0.0001	<0.0001	RPD-NA	mg/L	N/A	33	17-SEP-07
Sodium (Na)		0.250	0.257		mg/L	2.9	9.8	17-SEP-07
Strontium (Sr)		0.0209	0.0215		mg/L	2.6	9.5	17-SEP-07
Uranium (U)		0.00036	0.00038	J	mg/L	0.00002	0.0002	17-SEP-07
Vanadium (V)		<0.00005	<0.00005	RPD-NA	mg/L	N/A	24	17-SEP-07

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
MET1-ULTRA-ED	Water							
Batch R575278								
WG657253-10 DUP		**L551811-9**						
Zinc (Zn)		0.0035	0.0041	J	mg/L	0.0007	0.0032	17-SEP-07
WG657253-3 DUP		**L549414-8**						
Aluminum (Al)		0.0047	0.0045		mg/L	3.8	15	17-SEP-07
Antimony (Sb)		<0.00003	<0.00003	RPD-NA	mg/L	N/A	10	17-SEP-07
Arsenic (As)		0.00024	0.00025	J	mg/L	0.00001	0.00012	17-SEP-07
Barium (Ba)		0.00348	0.00347		mg/L	0.18	10	17-SEP-07
Beryllium (Be)		<0.0002	<0.0002	RPD-NA	mg/L	N/A	26	17-SEP-07
Boron (B)		0.002	0.002	J	mg/L	0.000	0.004	17-SEP-07
Cadmium (Cd)		<0.00005	<0.00005	RPD-NA	mg/L	N/A	31	17-SEP-07
Calcium (Ca)		1.10	1.08		mg/L	1.9	9.8	17-SEP-07
Chromium (Cr)		<0.00006	<0.00006	RPD-NA	mg/L	N/A	18	17-SEP-07
Cobalt (Co)		<0.0001	<0.0001	RPD-NA	mg/L	N/A	12	17-SEP-07
Copper (Cu)		<0.0006	<0.0006	RPD-NA	mg/L	N/A	17	17-SEP-07
Iron (Fe)		<0.005	0.006	RPD-NA	mg/L	N/A	10	17-SEP-07
Lead (Pb)		<0.00005	<0.00005	RPD-NA	mg/L	N/A	12	17-SEP-07
Magnesium (Mg)		0.661	0.667		mg/L	0.88	9.8	17-SEP-07
Manganese (Mn)		0.0016	0.0016		mg/L	0.82	10	17-SEP-07
Molybdenum (Mo)		0.00019	0.00018	J	mg/L	0.00001	0.00024	17-SEP-07
Nickel (Ni)		0.00065	0.00065		mg/L	0.36	10	17-SEP-07
Potassium (K)		0.63	0.63		mg/L	0.61	9.8	17-SEP-07
Selenium (Se)		<0.0001	<0.0001	RPD-NA	mg/L	N/A	21	17-SEP-07
Silver (Ag)		<0.0001	<0.0001	RPD-NA	mg/L	N/A	33	17-SEP-07
Sodium (Na)		0.883	0.888		mg/L	0.51	9.8	17-SEP-07
Strontium (Sr)		0.0104	0.0104		mg/L	0.22	9.5	17-SEP-07
Uranium (U)		0.00009	0.00009	J	mg/L	0.00000	0.0002	17-SEP-07
Vanadium (V)		<0.00005	<0.00005	RPD-NA	mg/L	N/A	24	17-SEP-07
Zinc (Zn)		<0.0008	<0.0008	RPD-NA	mg/L	N/A	29	17-SEP-07
WG657253-4 DUP		**L549414-15**						
Aluminum (Al)		0.0048	0.0044		mg/L	8.0	15	17-SEP-07
Antimony (Sb)		<0.00003	<0.00003	RPD-NA	mg/L	N/A	10	17-SEP-07
Arsenic (As)		0.00025	0.00025	J	mg/L	0.00000	0.00012	17-SEP-07
Barium (Ba)		0.00354	0.00354		mg/L	0.017	10	17-SEP-07
Beryllium (Be)		<0.0002	<0.0002	RPD-NA	mg/L	N/A	26	17-SEP-07

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
MET1-ULTRA-ED	Water							
Batch R575278								
WG657253-4 DUP		**L549414-15**						
Boron (B)		0.002	0.002	J	mg/L	0.001	0.004	17-SEP-07
Cadmium (Cd)		<0.00005	<0.00005	RPD-NA	mg/L	N/A	31	17-SEP-07
Calcium (Ca)		1.08	1.06		mg/L	2.0	9.8	17-SEP-07
Chromium (Cr)		<0.00006	<0.00006	RPD-NA	mg/L	N/A	18	17-SEP-07
Cobalt (Co)		<0.0001	<0.0001	RPD-NA	mg/L	N/A	12	17-SEP-07
Copper (Cu)		0.0006	0.0006	J	mg/L	0.0000	0.0024	17-SEP-07
Iron (Fe)		0.007	0.007	J	mg/L	0.000	0.02	17-SEP-07
Lead (Pb)		<0.00005	<0.00005	RPD-NA	mg/L	N/A	12	17-SEP-07
Magnesium (Mg)		0.664	0.658		mg/L	0.93	9.8	17-SEP-07
Manganese (Mn)		0.0017	0.0016		mg/L	2.6	10	17-SEP-07
Molybdenum (Mo)		0.00019	0.00021	J	mg/L	0.00002	0.00024	17-SEP-07
Nickel (Ni)		0.00067	0.00066		mg/L	0.78	10	17-SEP-07
Potassium (K)		0.63	0.63		mg/L	0.017	9.8	17-SEP-07
Selenium (Se)		<0.0001	<0.0001	RPD-NA	mg/L	N/A	21	17-SEP-07
Silver (Ag)		<0.0001	<0.0001	RPD-NA	mg/L	N/A	33	17-SEP-07
Sodium (Na)		0.897	0.886		mg/L	1.2	9.8	17-SEP-07
Strontium (Sr)		0.0106	0.0105		mg/L	0.70	9.5	17-SEP-07
Uranium (U)		0.00009	0.00009	J	mg/L	0.00000	0.0002	17-SEP-07
Vanadium (V)		<0.00005	<0.00005	RPD-NA	mg/L	N/A	24	17-SEP-07
Zinc (Zn)		<0.0008	0.0011	RPD-NA	mg/L	N/A	29	17-SEP-07
WG657253-5 DUP		**L549414-22**						
Aluminum (Al)		0.0041	0.0041		mg/L	0.27	15	17-SEP-07
Antimony (Sb)		<0.00003	<0.00003	RPD-NA	mg/L	N/A	10	17-SEP-07
Arsenic (As)		0.00025	0.00025	J	mg/L	0.00001	0.00012	17-SEP-07
Barium (Ba)		0.00350	0.00347		mg/L	0.83	10	17-SEP-07
Beryllium (Be)		<0.0002	<0.0002	RPD-NA	mg/L	N/A	26	17-SEP-07
Boron (B)		0.002	0.002	J	mg/L	0.000	0.004	17-SEP-07
Cadmium (Cd)		<0.00005	<0.00005	RPD-NA	mg/L	N/A	31	17-SEP-07
Calcium (Ca)		1.10	1.08		mg/L	1.7	9.8	17-SEP-07
Chromium (Cr)		<0.00006	0.00007	RPD-NA	mg/L	N/A	18	17-SEP-07
Cobalt (Co)		<0.0001	<0.0001	RPD-NA	mg/L	N/A	12	17-SEP-07
Copper (Cu)		<0.0006	<0.0006	RPD-NA	mg/L	N/A	17	17-SEP-07
Iron (Fe)		0.006	0.006	J	mg/L	0.000	0.02	17-SEP-07

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
MET1-ULTRA-ED	Water							
Batch R575278								
WG657253-5 DUP		**L549414-22**						
Lead (Pb)		<0.00005	<0.00005	RPD-NA	mg/L	N/A	12	17-SEP-07
Magnesium (Mg)		0.664	0.670		mg/L	0.80	9.8	17-SEP-07
Manganese (Mn)		0.0016	0.0015		mg/L	2.5	10	17-SEP-07
Molybdenum (Mo)		0.00019	0.00018	J	mg/L	0.00000	0.00024	17-SEP-07
Nickel (Ni)		0.00065	0.00067		mg/L	2.4	10	17-SEP-07
Potassium (K)		0.63	0.63		mg/L	1.2	9.8	17-SEP-07
Selenium (Se)		<0.0001	<0.0001	RPD-NA	mg/L	N/A	21	17-SEP-07
Silver (Ag)		<0.0001	<0.0001	RPD-NA	mg/L	N/A	33	17-SEP-07
Sodium (Na)		0.895	0.895		mg/L	0.035	9.8	17-SEP-07
Strontium (Sr)		0.0106	0.0104		mg/L	1.4	9.5	17-SEP-07
Uranium (U)		0.00008	0.00008	J	mg/L	0.00000	0.0002	17-SEP-07
Vanadium (V)		<0.00005	<0.00005	RPD-NA	mg/L	N/A	24	17-SEP-07
Zinc (Zn)		0.0011	0.0019	J	mg/L	0.0009	0.0032	17-SEP-07
WG657253-6 DUP		**L549429-5**						
Aluminum (Al)		<0.0003	<0.0003	RPD-NA	mg/L	N/A	15	17-SEP-07
Antimony (Sb)		<0.00003	<0.00003	RPD-NA	mg/L	N/A	10	17-SEP-07
Arsenic (As)		<0.00003	<0.00003	RPD-NA	mg/L	N/A	11	17-SEP-07
Barium (Ba)		<0.00005	<0.00005	RPD-NA	mg/L	N/A	10	17-SEP-07
Beryllium (Be)		<0.0002	<0.0002	RPD-NA	mg/L	N/A	26	17-SEP-07
Boron (B)		<0.001	<0.001	RPD-NA	mg/L	N/A	10	17-SEP-07
Cadmium (Cd)		<0.00005	<0.00005	RPD-NA	mg/L	N/A	31	17-SEP-07
Chromium (Cr)		<0.00006	<0.00006	RPD-NA	mg/L	N/A	18	17-SEP-07
Cobalt (Co)		<0.0001	<0.0001	RPD-NA	mg/L	N/A	12	17-SEP-07
Copper (Cu)		<0.0006	<0.0006	RPD-NA	mg/L	N/A	17	17-SEP-07
Iron (Fe)		0.006	0.007	J	mg/L	0.001	0.02	17-SEP-07
Lead (Pb)		<0.00005	<0.00005	RPD-NA	mg/L	N/A	12	17-SEP-07
Manganese (Mn)		<0.0001	<0.0001	RPD-NA	mg/L	N/A	10	17-SEP-07
Molybdenum (Mo)		<0.00006	<0.00006	RPD-NA	mg/L	N/A	10	17-SEP-07
Nickel (Ni)		<0.00006	<0.00006	RPD-NA	mg/L	N/A	10	17-SEP-07
Selenium (Se)		N/A	<0.0001	RPD-NA	mg/L	N/A	21	17-SEP-07
Silver (Ag)		<0.0001	<0.0001	RPD-NA	mg/L	N/A	33	17-SEP-07
Strontium (Sr)		<0.0001	<0.0001	RPD-NA	mg/L	N/A	9.5	17-SEP-07
Uranium (U)		<0.00005	<0.00005	RPD-NA	mg/L	N/A	10	17-SEP-07

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
MET1-ULTRA-ED	Water							
Batch R575278								
WG657253-6 DUP		**L549429-5**						
Vanadium (V)		<0.00005	<0.00005	RPD-NA	mg/L	N/A	24	17-SEP-07
Zinc (Zn)		<0.0008	<0.0008	RPD-NA	mg/L	N/A	29	17-SEP-07
WG657253-9 DUP		**L551811-3**						
Aluminum (Al)		0.327	0.321		mg/L	1.8	15	17-SEP-07
Antimony (Sb)		0.00005	0.00005	J	mg/L	0.00001	0.00012	17-SEP-07
Arsenic (As)		0.00058	0.00057		mg/L	0.52	11	17-SEP-07
Barium (Ba)		0.0237	0.0234		mg/L	1.1	10	17-SEP-07
Beryllium (Be)		<0.0002	<0.0002	RPD-NA	mg/L	N/A	26	17-SEP-07
Boron (B)		0.003	0.003	J	mg/L	0.000	0.004	17-SEP-07
Cadmium (Cd)		0.00005	<0.00005	RPD-NA	mg/L	N/A	31	17-SEP-07
Calcium (Ca)		13.9	13.8		mg/L	0.71	9.8	17-SEP-07
Chromium (Cr)		0.00037	0.00037	J	mg/L	0.00000	0.00024	17-SEP-07
Cobalt (Co)		0.0016	0.0016		mg/L	1.8	12	17-SEP-07
Copper (Cu)		0.0016	0.0015	J	mg/L	0.0001	0.0024	17-SEP-07
Iron (Fe)		0.512	0.507		mg/L	1.1	10	17-SEP-07
Lead (Pb)		0.00023	0.00023	J	mg/L	0.00000	0.0002	17-SEP-07
Magnesium (Mg)		5.92	5.77		mg/L	2.6	9.8	17-SEP-07
Manganese (Mn)		0.0534	0.0530		mg/L	0.81	10	17-SEP-07
Molybdenum (Mo)		0.00022	0.00021	J	mg/L	0.00002	0.00024	17-SEP-07
Nickel (Ni)		0.00583	0.00582		mg/L	0.32	10	17-SEP-07
Potassium (K)		0.58	0.57		mg/L	1.5	9.8	17-SEP-07
Selenium (Se)		0.0002	0.0002	J	mg/L	0.0000	0.0004	17-SEP-07
Silver (Ag)		<0.0001	<0.0001	RPD-NA	mg/L	N/A	33	17-SEP-07
Sodium (Na)		0.587	0.568		mg/L	3.3	9.8	17-SEP-07
Strontium (Sr)		0.0422	0.0416		mg/L	1.5	9.5	17-SEP-07
Uranium (U)		0.00047	0.00047	J	mg/L	0.00000	0.0002	17-SEP-07
Vanadium (V)		0.00099	0.00096		mg/L	3.3	24	17-SEP-07
Zinc (Zn)		0.0080	0.0078	J	mg/L	0.0002	0.0032	17-SEP-07
WG657253-1 MB								
Aluminum (Al)			<0.0003		mg/L		0.0015	17-SEP-07
Antimony (Sb)			<0.00003		mg/L		0.00015	17-SEP-07
Arsenic (As)			<0.00003		mg/L		0.00015	17-SEP-07
Barium (Ba)			<0.00005		mg/L		0.00025	17-SEP-07

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
MET1-ULTRA-ED	Water							
Batch R575278								
WG657253-1 MB								
Beryllium (Be)			<0.0002		mg/L		0.001	17-SEP-07
Boron (B)			<0.001		mg/L		0.005	17-SEP-07
Cadmium (Cd)			<0.00005		mg/L		0.00025	17-SEP-07
Calcium (Ca)			<0.02		mg/L		0.1	17-SEP-07
Chromium (Cr)			<0.00006		mg/L		0.0003	17-SEP-07
Cobalt (Co)			<0.0001		mg/L		0.0005	17-SEP-07
Copper (Cu)			<0.0006		mg/L		0.003	17-SEP-07
Iron (Fe)			<0.005		mg/L		0.025	17-SEP-07
Lead (Pb)			<0.00005		mg/L		0.00025	17-SEP-07
Magnesium (Mg)			<0.004		mg/L		0.02	17-SEP-07
Manganese (Mn)			<0.0001		mg/L		0.0005	17-SEP-07
Molybdenum (Mo)			<0.00006		mg/L		0.0003	17-SEP-07
Nickel (Ni)			<0.00006		mg/L		0.0003	17-SEP-07
Potassium (K)			<0.02		mg/L		0.1	17-SEP-07
Selenium (Se)			<0.0001		mg/L		0.0005	17-SEP-07
Silver (Ag)			<0.0001		mg/L		0.0005	17-SEP-07
Sodium (Na)			<0.005		mg/L		0.025	17-SEP-07
Strontium (Sr)			<0.0001		mg/L		0.0005	17-SEP-07
Uranium (U)			<0.00005		mg/L		0.00025	17-SEP-07
Vanadium (V)			<0.00005		mg/L		0.00025	17-SEP-07
Zinc (Zn)			<0.0008		mg/L		0.004	17-SEP-07
Batch R577239								
WG661477-1 MB								
Aluminum (Al)			0.0003		mg/L		0.0015	20-SEP-07
Antimony (Sb)			<0.00003		mg/L		0.00015	20-SEP-07
Arsenic (As)			<0.00003		mg/L		0.00015	20-SEP-07
Barium (Ba)			<0.00005		mg/L		0.00025	20-SEP-07
Beryllium (Be)			<0.0002		mg/L		0.001	20-SEP-07
Boron (B)			<0.001		mg/L		0.005	20-SEP-07
Cadmium (Cd)			<0.00005		mg/L		0.00025	20-SEP-07
Calcium (Ca)			<0.02		mg/L		0.1	20-SEP-07
Chromium (Cr)			<0.00006		mg/L		0.0003	20-SEP-07
Cobalt (Co)			<0.0001		mg/L		0.0005	20-SEP-07

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
MET1-ULTRA-ED	Water							
Batch R577239								
WG661477-1 MB								
Copper (Cu)			<0.0006		mg/L		0.003	20-SEP-07
Iron (Fe)			<0.005		mg/L		0.025	20-SEP-07
Lead (Pb)			<0.00005		mg/L		0.00025	20-SEP-07
Magnesium (Mg)			<0.004		mg/L		0.02	20-SEP-07
Manganese (Mn)			<0.0001		mg/L		0.0005	20-SEP-07
Mercury (Hg)			<0.00002		mg/L		0.0001	20-SEP-07
Molybdenum (Mo)			<0.00006		mg/L		0.0003	20-SEP-07
Nickel (Ni)			<0.00006		mg/L		0.0003	20-SEP-07
Potassium (K)			<0.02		mg/L		0.1	20-SEP-07
Selenium (Se)			<0.0001		mg/L		0.0005	20-SEP-07
Silver (Ag)			<0.0001		mg/L		0.0005	20-SEP-07
Sodium (Na)			<0.005		mg/L		0.025	20-SEP-07
Strontium (Sr)			<0.0001		mg/L		0.0005	20-SEP-07
Uranium (U)			<0.00005		mg/L		0.00025	20-SEP-07
Vanadium (V)			<0.00005		mg/L		0.00025	20-SEP-07
Zinc (Zn)			<0.0008		mg/L		0.004	20-SEP-07
MET2-ULTRA-DIS-ED	Water							
Batch R574367								
WG657843-10 DUP		**L551607-18**						
Iron (Fe)		1.65	1.64		mg/L	0.86	9.8	14-SEP-07
WG657843-12 DUP		**L551811-5**						
Iron (Fe)		0.018	0.019	J	mg/L	0.001	0.02	14-SEP-07
WG657843-14 DUP		**L551811-10**						
Iron (Fe)		<0.005	<0.005	RPD-NA	mg/L	N/A	9.8	14-SEP-07
WG657843-8 DUP		**L551607-8**						
Iron (Fe)		0.044	0.043	J	mg/L	0.001	0.02	14-SEP-07
WG657843-1 MB								
Iron (Fe)			0.008		mg/L		0.025	14-SEP-07
WG657843-11 MS		**L551607-18**						
Iron (Fe)			91		%		88-111	14-SEP-07
WG657843-13 MS		**L551811-5**						
Iron (Fe)			97		%		88-111	14-SEP-07
WG657843-15 MS		**L551811-10**						
Iron (Fe)			98		%		88-111	14-SEP-07
WG657843-9 MS		**L551607-8**						

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Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
MET2-ULTRA-DIS-ED	Water							
Batch R574367								
WG657843-9 MS		**L551607-8**						
Iron (Fe)			92		%		88-111	14-SEP-07
MET2-ULTRA-ED	Water							
Batch R574367								
WG657843-2 DUP		**L549414-10**						
Iron (Fe)		0.007	0.006	J	mg/L	0.001	0.02	14-SEP-07
WG657843-4 DUP		**L549414-20**						
Iron (Fe)		0.006	0.007	J	mg/L	0.001	0.02	14-SEP-07
WG657843-6 DUP		**L549429-4**						
Iron (Fe)		0.105	0.104		mg/L	0.25	16	14-SEP-07
WG657843-1 MB								
Iron (Fe)			0.008		mg/L		0.025	14-SEP-07
WG657843-3 MS		**L549414-10**						
Iron (Fe)			99		%		78-117	14-SEP-07
WG657843-5 MS		**L549414-20**						
Iron (Fe)			99		%		78-117	14-SEP-07
WG657843-7 MS		**L549429-4**						
Iron (Fe)			97		%		78-117	14-SEP-07
MN-EXT-ROU-ED	Water							
Batch R576549								
WG660447-3 DUP		**L551811-1**						
Manganese (Mn)-Extractable		0.09	0.08	J	mg/L	0.00	0.04	19-SEP-07
WG660447-2 LCS								
Manganese (Mn)-Extractable			103		%		97-115	19-SEP-07
WG660447-1 MB								
Manganese (Mn)-Extractable			<0.01		mg/L		0.05	19-SEP-07
WG660447-4 MS		**L551811-1**						
Manganese (Mn)-Extractable			98		%		82-112	19-SEP-07
N2N3-LOW-ED	Water							
Batch R572682								
WG656305-8 DUP		**L551811-1**						
Nitrate+Nitrite-N		0.048	0.049	J	mg/L	0.001	0.024	11-SEP-07
WG656305-2 LCS								
Nitrate+Nitrite-N			99		%		89-108	11-SEP-07
WG656305-1 MB								
Nitrate+Nitrite-N			<0.006		mg/L		0.006	11-SEP-07

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Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
N2N3-LOW-ED	Water							
Batch R572682								
WG656305-6 MS		**L551811-11**						
Nitrate+Nitrite-N			98		%		73-121	11-SEP-07
WG656305-7 MS		**L551811-12**						
Nitrate+Nitrite-N			100		%		73-121	11-SEP-07
NH4-LOW-ED	Water							
Batch R574751								
WG658730-11 DUP		**L553015-2**						
Ammonia-N		0.036	0.037	J	mg/L	0.001	0.02	16-SEP-07
WG658730-13 DUP		**L553142-1**						
Ammonia-N		0.060	0.060		mg/L	1.0	10	16-SEP-07
WG658730-16 DUP		**L553688-9**						
Ammonia-N		<0.005	<0.005	RPD-NA	mg/L	N/A	10	16-SEP-07
WG658730-17 DUP		**L554125-5**						
Ammonia-N		<0.005	<0.005	RPD-NA	mg/L	N/A	10	16-SEP-07
WG658730-5 DUP		**L551712-8**						
Ammonia-N		<0.005	0.005	RPD-NA	mg/L	N/A	10	16-SEP-07
WG658730-7 DUP		**L551811-3**						
Ammonia-N		0.011	0.011	J	mg/L	0.000	0.02	16-SEP-07
WG658730-9 DUP		**L552432-1**						
Ammonia-N		0.011	0.011	J	mg/L	0.000	0.02	16-SEP-07
WG658730-2 LCS								
Ammonia-N			97		%		81-118	16-SEP-07
WG658730-3 LCS								
Ammonia-N			100		%		88-111	16-SEP-07
WG658730-1 MB								
Ammonia-N			<0.005		mg/L		0.005	16-SEP-07
WG658730-10 MS		**L552970-1**						
Ammonia-N			92		%		75-122	16-SEP-07
WG658730-12 MS		**L553015-12**						
Ammonia-N			100		%		75-122	16-SEP-07
WG658730-14 MS		**L553617-2**						
Ammonia-N			101		%		75-122	16-SEP-07
WG658730-15 MS		**L553640-8**						
Ammonia-N			104		%		75-122	16-SEP-07
WG658730-6 MS		**L551740-8**						
Ammonia-N			99		%		75-122	16-SEP-07
WG658730-8 MS		**L551811-12**						
Ammonia-N			118		%		75-122	16-SEP-07

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
NO2-LOW-ED	Water							
Batch R572682								
WG656305-8 DUP		**L551811-1**						
Nitrite-N		<0.002	<0.002	RPD-NA	mg/L	N/A	9.1	11-SEP-07
WG656305-2 LCS								
Nitrite-N			103		%		90-108	11-SEP-07
WG656305-1 MB								
Nitrite-N			<0.002		mg/L		0.002	11-SEP-07
WG656305-6 MS		**L551811-11**						
Nitrite-N			100		%		78-122	11-SEP-07
WG656305-7 MS		**L551811-12**						
Nitrite-N			101		%		78-122	11-SEP-07
P-TOTAL-LOW-ED	Water							
Batch R573846								
WG656997-4 DUP		**L551524-1**						
Phosphorus, Total		0.018	0.018		mg/L	0.0	9.7	13-SEP-07
WG656997-5 DUP		**L551712-1**						
Phosphorus, Total		0.004	0.004	J	mg/L	0.000	0.004	13-SEP-07
WG656997-7 DUP		**L551811-9**						
Phosphorus, Total		0.001	0.001	J	mg/L	0.000	0.004	13-SEP-07
WG656997-3 LCS								
Phosphorus, Total			98		%		80-116	13-SEP-07
WG656997-2 MB								
Phosphorus, Total			<0.001		mg/L		0.001	13-SEP-07
WG656997-10 MS		**L551740-15**						
Phosphorus, Total			110		%		79-118	13-SEP-07
WG656997-8 MS		**L551740-1**						
Phosphorus, Total			107		%		79-118	13-SEP-07
WG656997-9 MS		**L551740-11**						
Phosphorus, Total			109		%		79-118	13-SEP-07
PH/EC/ALK-ED	Water							
Batch R573358								
WG656874-5 DUP		**L551811-1**						
Alkalinity, Total (as CaCO3)		41	40	J	mg/L	0	20	12-SEP-07
Bicarbonate (HCO3)		49	49	J	mg/L	0	20	12-SEP-07
Carbonate (CO3)		<5	<5	RPD-NA	mg/L	N/A	26	12-SEP-07
Conductivity (EC)		379	379		uS/cm	0.0	7.1	12-SEP-07
Hydroxide (OH)		<5	<5	RPD-NA	mg/L	N/A	26	12-SEP-07
pH		7.8	7.8	J	pH	0.0	0.2	12-SEP-07

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
PH/EC/ALK-ED	Water							
Batch R573358								
WG656874-6 DUP		**L552496-7**						
Alkalinity, Total (as CaCO3)		104	105		mg/L	1.6	6.5	12-SEP-07
Bicarbonate (HCO3)		126	128		mg/L	1.6	26	12-SEP-07
Carbonate (CO3)		<5	<5	RPD-NA	mg/L	N/A	26	12-SEP-07
Conductivity (EC)		285	284		uS/cm	0.35	7.1	12-SEP-07
Hydroxide (OH)		<5	<5	RPD-NA	mg/L	N/A	26	12-SEP-07
pH		8.3	8.3	J	pH	0.0	0.2	12-SEP-07
WG656874-2 LCS								
Conductivity (EC)			104		%		94-106	12-SEP-07
WG656874-3 LCS								
pH			7.0		pH		6.9-7.1	12-SEP-07
WG656874-4 LCS								
Alkalinity, Total (as CaCO3)			106		%		90-110	12-SEP-07
WG656874-1 MB								
Alkalinity, Total (as CaCO3)			<5		mg/L		5	12-SEP-07
Bicarbonate (HCO3)			<5		mg/L		5	12-SEP-07
Carbonate (CO3)			<5		mg/L		5	12-SEP-07
Hydroxide (OH)			<5		mg/L		5	12-SEP-07
SI-DIS-ED	Water							
Batch R574367								
WG657843-12 DUP		**L551811-5**						
Silicon (Si)-Dissolved		1.8	1.8		mg/L	0.77	26	14-SEP-07
WG657843-14 DUP		**L551811-10**						
Silicon (Si)-Dissolved		1.2	1.2		mg/L	1.6	26	14-SEP-07
WG657843-1 MB								
Silicon (Si)-Dissolved			<0.1		mg/L		0.1	14-SEP-07
WG657843-13 MS		**L551811-5**						
Silicon (Si)-Dissolved			97		%		63-138	14-SEP-07
WG657843-15 MS		**L551811-10**						
Silicon (Si)-Dissolved			97		%		63-138	14-SEP-07
SI-TOT-ED	Water							
Batch R574367								
WG657843-1 MB								
Silicon (Si)-Total			<0.1		mg/L		0.1	14-SEP-07
SN-ULTRA-DIS-ED	Water							

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
SN-ULTRA-DIS-ED	Water							
Batch R575278								
WG657253-1 MB								
Tin (Sn)-Dissolved			<0.0001		mg/L		0.0005	17-SEP-07
SN-ULTRA-ED	Water							
Batch R575278								
WG657253-10 DUP		**L551811-9**						
Tin (Sn)-Total		<0.0001	<0.0001	RPD-NA	mg/L	N/A	25	17-SEP-07
WG657253-9 DUP		**L551811-3**						
Tin (Sn)-Total		<0.0001	<0.0001	RPD-NA	mg/L	N/A	25	17-SEP-07
WG657253-1 MB								
Tin (Sn)-Total			<0.0001		mg/L		0.0005	17-SEP-07
SO4-LOW-ED	Water							
Batch R570191								
WG653231-3 DUP		**L548793-1**						
Sulphate (SO4)		55.4	54.4		mg/L	1.9	11	05-SEP-07
WG653231-5 DUP		**L549414-20**						
Sulphate (SO4)		1.84	1.93		mg/L	4.8	11	05-SEP-07
WG653231-7 DUP		**L549427-2**						
Sulphate (SO4)		49.1	48.6		mg/L	1.0	11	05-SEP-07
WG653231-2 LCS								
Sulphate (SO4)			97		%		88-110	05-SEP-07
WG653231-1 MB								
Sulphate (SO4)			<0.05		mg/L		0.05	05-SEP-07
WG653231-4 MS		**L548793-1**						
Sulphate (SO4)			100		%		75-117	05-SEP-07
WG653231-6 MS		**L549414-20**						
Sulphate (SO4)			90		%		75-117	05-SEP-07
WG653231-8 MS		**L549427-2**						
Sulphate (SO4)			101		%		75-117	05-SEP-07
Batch R573880								
WG657747-3 DUP		**L551811-10**						
Sulphate (SO4)		22.9	22.8		mg/L	0.17	11	13-SEP-07
WG657747-5 DUP		**L553142-10**						
Sulphate (SO4)		98.1	98.3		mg/L	0.24	11	13-SEP-07
WG657747-2 LCS								
Sulphate (SO4)			102		%		88-110	13-SEP-07
WG657747-1 MB								

ALS Laboratory Group Quality Control Report

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
SO4-LOW-ED	Water							
Batch R573880								
WG657747-1 MB								
Sulphate (SO4)			<0.05		mg/L		0.05	13-SEP-07
WG657747-4 MS		**L551811-10**						
Sulphate (SO4)			100		%		75-117	13-SEP-07
WG657747-6 MS		**L553142-10**						
Sulphate (SO4)			94		%		75-117	13-SEP-07
SOLIDS-TOTSUS-ED	Water							
Batch R573055								
WG656341-3 DUP		**L551308-3**						
Total Suspended Solids		4	5	J	mg/L	1	12	12-SEP-07
WG656341-4 DUP		**L551930-1**						
Total Suspended Solids		5	3	J	mg/L	2	12	12-SEP-07
WG656341-2 LCS								
Total Suspended Solids			94		%		82-111	12-SEP-07
WG656341-1 MB								
Total Suspended Solids			<3		mg/L		3	12-SEP-07
TURBIDITY-ED	Water							
Batch R573046								
WG656779-2 DUP		**L551811-12**						
Turbidity		<0.1	<0.1	RPD-NA	NTU	N/A	8.8	12-SEP-07
WG656779-1 MB								
Turbidity			<0.1		NTU		0.1	12-SEP-07

ALS Laboratory Group Quality Control Report

Legend:

Limit	99% Confidence Interval (Laboratory Control Limits)
DUP	Duplicate
RPD	Relative Percent Difference
N/A	Not Available
LCS	Laboratory Control Sample
SRM	Standard Reference Material
MS	Matrix Spike
MSD	Matrix Spike Duplicate
ADE	Average Desorption Efficiency
MB	Method Blank
IRM	Internal Reference Material
CRM	Certified Reference Material
CCV	Continuing Calibration Verification
CVS	Calibration Verification Standard
LCSD	Laboratory Control Sample Duplicate

Qualifier:

RPD-NA	Relative Percent Difference Not Available due to result(s) being less than detection limit.
A	Method blank exceeds acceptance limit. Blank correction not applied, unless the qualifier "RAMB" (result adjusted for method blank) appears in the Analytical Report.
B	Method blank result exceeds acceptance limit, however, it is less than 5% of sample concentration. Blank correction not applied.
E	Matrix spike recovery may fall outside the acceptance limits due to high sample background.
F	Silver recovery low, likely due to elevated chloride levels in sample.
G	Outlier - No assignable cause for nonconformity has been determined.
J	Duplicate results and limit(s) are expressed in terms of absolute difference.
K	The sample referenced above is of a non-standard matrix type; standard QC acceptance criteria may not be achievable.
L	Low matrix spike recovery due to instability of spiked analyte in the sample matrix.

APPENDIX

APPENDIX D EBA TERMS AND CONDITIONS

ENVIRONMENTAL REPORT – GENERAL CONDITIONS

This report incorporates and is subject to these "General Conditions".

1.0 USE OF REPORT

This report pertains to a specific site, a specific development, and a specific scope of work. It is not applicable to any other sites, nor should it be relied upon for types of development other than those to which it refers. Any variation from the site or proposed development would necessitate a supplementary investigation and assessment.

This report and the assessments and recommendations contained in it are intended for the sole use of EBA's client. EBA does not accept any responsibility for the accuracy of any of the data, the analysis or the recommendations contained or referenced in the report when the report is used or relied upon by any party other than EBA's client unless otherwise authorized in writing by EBA. Any unauthorized use of the report is at the sole risk of the user.

This report is subject to copyright and shall not be reproduced either wholly or in part without the prior, written permission of EBA. Additional copies of the report, if required, may be obtained upon request.

2.0 LIMITATIONS OF REPORT

This report is based solely on the conditions which existed on site at the time of EBA's investigation. The client, and any other parties using this report with the express written consent of the client and EBA, acknowledge that conditions affecting the environmental assessment of the site can vary with time and that the conclusions and recommendations set out in this report are time sensitive.

The client, and any other party using this report with the express written consent of the client and EBA, also acknowledge that the conclusions and recommendations set out in this report are based on limited observations and testing on the subject site and that conditions may vary across the site which, in turn, could affect the conclusions and recommendations made.

The client acknowledges that EBA is neither qualified to, nor is it making, any recommendations with respect to the purchase, sale, investment or development of the property, the decisions on which are the sole responsibility of the client.

2.1 INFORMATION PROVIDED TO EBA BY OTHERS

During the performance of the work and the preparation of this report, EBA may have relied on information provided by persons other than the client. While EBA endeavours to verify the accuracy of such information when instructed to do so by the client, EBA accepts no responsibility for the accuracy or the reliability of such information which may affect the report.

3.0 LIMITATION OF LIABILITY

The client recognizes that property containing contaminants and hazardous wastes creates a high risk of claims brought by third parties arising out of the presence of those materials. In consideration of these risks, and in consideration of EBA providing the services requested, the client agrees that EBA's liability to the client, with respect to any issues relating to contaminants or other hazardous wastes located on the subject site shall be limited as follows:

1. With respect to any claims brought against EBA by the client arising out of the provision or failure to provide services hereunder shall be limited to the amount of fees paid by the client to EBA under this Agreement, whether the action is based on breach of contract or tort;

2. With respect to claims brought by third parties arising out of the presence of contaminants or hazardous wastes on the subject site, the client agrees to indemnify, defend and hold harmless EBA from and against any and all claim or claims, action or actions, demands, damages, penalties, fines, losses, costs and expenses of every nature and kind whatsoever, including solicitor-client costs, arising or alleged to arise either in whole or part out of services provided by EBA, whether the claim be brought against EBA for breach of contract or tort.

4.0 JOB SITE SAFETY

EBA is only responsible for the activities of its employees on the job site and is not responsible for the supervision of any other persons whatsoever. The presence of EBA personnel on site shall not be construed in any way to relieve the client or any other persons on site from their responsibility for job site safety.

5.0 DISCLOSURE OF INFORMATION BY CLIENT

The client agrees to fully cooperate with EBA with respect to the provision of all available information on the past, present, and proposed conditions on the site, including historical information respecting the use of the site. The client acknowledges that in order for EBA to properly provide the service, EBA is relying upon the full disclosure and accuracy of any such information.

6.0 STANDARD OF CARE

Services performed by EBA for this report have been conducted in a manner consistent with the level of skill ordinarily exercised by members of the profession currently practicing under similar conditions in the jurisdiction in which the services are provided. Engineering judgement has been applied in developing the conclusions and/or recommendations provided in this report. No warranty or guarantee, express or implied, is made concerning the test results, comments, recommendations, or any other portion of this report.

7.0 EMERGENCY PROCEDURES

The client undertakes to inform EBA of all hazardous conditions, or possible hazardous conditions which are known to it. The client recognizes that the activities of EBA may uncover previously unknown hazardous materials or conditions and that such discovery may result in the necessity to undertake emergency procedures to protect EBA employees, other persons and the environment. These procedures may involve additional costs outside of any budgets previously agreed upon. The client agrees to pay EBA for any expenses incurred as a result of such discoveries and to compensate EBA through payment of additional fees and expenses for time spent by EBA to deal with the consequences of such discoveries.

8.0 NOTIFICATION OF AUTHORITIES

The client acknowledges that in certain instances the discovery of hazardous substances or conditions and materials may require that regulatory agencies and other persons be informed and the client agrees that notification to such bodies or persons as required may be done by EBA in its reasonably exercised discretion.

9.0 OWNERSHIP OF INSTRUMENTS OF SERVICE

The client acknowledges that all reports, plans, and data generated by EBA during the performance of the work and other documents prepared by EBA are considered its professional work product and shall remain the copyright property of EBA.

10.0 ALTERNATE REPORT FORMAT

Where EBA submits both electronic file and hard copy versions of reports, drawings and other project-related documents and deliverables (collectively termed EBA's instruments of professional service), the Client agrees that only the signed and sealed hard copy versions shall be considered final and legally binding. The hard copy versions submitted by EBA shall be the original documents for record and working purposes, and, in the event of a dispute or discrepancies, the hard copy versions shall govern over the electronic versions. Furthermore, the Client agrees and waives all future right of dispute that the original hard copy signed version archived by EBA shall be deemed to be the overall original for the Project.

The Client agrees that both electronic file and hard copy versions of EBA's instruments of professional service shall not, under any circumstances, no matter who owns or uses them, be altered by any party except EBA. The Client warrants that EBA's instruments of professional service will be used only and exactly as submitted by EBA.

The Client recognizes and agrees that electronic files submitted by EBA have been prepared and submitted using specific software and hardware systems. EBA makes no representation about the compatibility of these files with the Client's current or future software and hardware systems.