

Maxxam Job #: B737450
Report Date: 2017/05/18

Cowichan Valley Regional District
Client Project #: SHAWNIGAN LAKE NORTH WATER SOU
Site Location: SHAWNIGAN LAKE INTAKE
Your P.O. #: 18994

RESULTS OF CHEMICAL ANALYSES OF DRINKING WATER

Maxxam ID			RB6040		
Sampling Date			2017/05/16 09:20		
COC Number			08436484		
	UNITS	MAC	SLNW INTAKE	RDL	QC Batch
ANIONS					
Nitrite (N)	mg/L	1	<0.0050	0.0050	8633769
Calculated Parameters					
Nitrate (N)	mg/L	10	0.078	0.020	8632554
Nutrients					
Orthophosphate (P)	mg/L	-	<0.0050	0.0050	8632828
Dissolved Phosphorus (P)	mg/L	-	<0.0050 (1)	0.0050	8634001
Total Total Kjeldahl Nitrogen (Calc)	mg/L	-	0.161	0.020	8632555
Total Ammonia (N)	mg/L	-	<0.0050	0.0050	8633640
Nitrate plus Nitrite (N)	mg/L	-	0.078	0.020	8633768
Total Nitrogen (N)	mg/L	-	0.240	0.020	8633011
Total Phosphorus (P)	mg/L	-	0.0047 (1)	0.0020	8634002
No Fill	No Exceedance				
Grey	Exceeds 1 criteria policy/level				
Black	Exceeds both criteria/levels				
RDL = Reportable Detection Limit					
(1) Matrix spike exceeds acceptance limits due to matrix interference. Re-analysis yields similar results.					

Maxxam Analytics International Corporation - 604-734-7276 Fax(604) 731-2386

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CSR TOTAL METALS IN WATER (DRINKING WATER)

Maxxam ID					RB6040		
Sampling Date					2017/05/16 09:20		
COC Number					08436484		
	UNITS	MAC	AO	OG	SLNW INTAKE	RDL	QC Batch
Calculated Parameters							
Total Hardness (CaCO3)	mg/L	-	-	-	21.7	0.50	8631006
Total Metals by ICPMS							
Total Aluminum (Al)	ug/L	-	-	100	26.1	3.0	8632891
Total Antimony (Sb)	ug/L	6	-	-	<0.50	0.50	8632891
Total Arsenic (As)	ug/L	10	-	-	0.11	0.10	8632891
Total Barium (Ba)	ug/L	1000	-	-	4.3	1.0	8632891
Total Beryllium (Be)	ug/L	-	-	-	<0.10	0.10	8632891
Total Bismuth (Bi)	ug/L	-	-	-	<1.0	1.0	8632891
Total Boron (B)	ug/L	5000	-	-	<50	50	8632891
Total Cadmium (Cd)	ug/L	5	-	-	<0.010	0.010	8632891
Total Chromium (Cr)	ug/L	50	-	-	<1.0	1.0	8632891
Total Cobalt (Co)	ug/L	-	-	-	<0.20	0.20	8632891
Total Copper (Cu)	ug/L	-	1000	-	1.21	0.50	8632891
Total Iron (Fe)	ug/L	-	300	-	41	10	8632891
Total Lead (Pb)	ug/L	10	-	-	0.24	0.20	8632891
Total Lithium (Li)	ug/L	-	-	-	<2.0	2.0	8632891
Total Manganese (Mn)	ug/L	-	50	-	4.1	1.0	8632891
Total Mercury (Hg)	ug/L	1	-	-	<0.050	0.050	8632891
Total Molybdenum (Mo)	ug/L	-	-	-	<1.0	1.0	8632891
Total Nickel (Ni)	ug/L	-	-	-	<1.0	1.0	8632891
Total Phosphorus (P)	ug/L	-	-	-	<10	10	8632891
Total Selenium (Se)	ug/L	50	-	-	<0.10	0.10	8632891
Total Silicon (Si)	ug/L	-	-	-	2900	100	8632891
Total Silver (Ag)	ug/L	-	-	-	<0.020	0.020	8632891
Total Strontium (Sr)	ug/L	-	-	-	25.3	1.0	8632891
Total Thallium (Tl)	ug/L	-	-	-	<0.010	0.010	8632891
Total Tin (Sn)	ug/L	-	-	-	<5.0	5.0	8632891
Total Titanium (Ti)	ug/L	-	-	-	<5.0	5.0	8632891
Total Uranium (U)	ug/L	20	-	-	<0.10	0.10	8632891
Total Vanadium (V)	ug/L	-	-	-	<5.0	5.0	8632891
Total Zinc (Zn)	ug/L	-	5000	-	<5.0	5.0	8632891
No Fill	No Exceedance						
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RDL = Reportable Detection Limit							

Maxxam Analytics International Corporation - 4606 Canada Way V5G 1K5 Telephone(604) 734-7276 Fax(604) 731-2386

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Total Zirconium (Zr)	ug/L	-	-	-	<0.10	0.10	8632891
Total Calcium (Ca)	mg/L	-	-	-	6.68	0.050	8631007
Total Magnesium (Mg)	mg/L	-	-	-	1.22	0.050	8631007
Total Potassium (K)	mg/L	-	-	-	0.276	0.050	8631007
Total Sodium (Na)	mg/L	-	200	-	7.55	0.050	8631007
Total Sulphur (S)	mg/L	-	-	-	<3.0	3.0	8631007
No Fill	No Exceedance						
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