

SAMPLE DATA

CLIENT Regional District of Thompson Nicola
PROJECT Blue River CWS

WORK ORDER # 2050773
REPORTED Jun-04-12

Analyte	Result	Canadian DW Guideline (Dec 10)	RDL	Units	Prepared	Analyzed	Notes
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General Parameters

Blue River CWS Pump Building (2050773-01) Matrix: Water Sampled: May-14-12 14:11

Alkalinity, Total as CaCO3	57		1	mg/L	May-15-12	May-16-12	
Alkalinity, Phenolphthalein as CaCO3	< 1		1	mg/L	May-15-12	May-16-12	
Alkalinity, Carbonate as CaCO3	< 1		1	mg/L	May-15-12	May-16-12	
Alkalinity, Bicarbonate as CaCO3	57		1	mg/L	May-15-12	May-16-12	
Alkalinity, Hydroxide as CaCO3	< 1		1	mg/L	May-15-12	May-16-12	
Chloride	0.11	AO ≤ 250	0.10	mg/L	May-16-12	May-16-12	
Colour, True,	< 5	AO ≤ 15	5	Color Unit	May-16-12	May-17-12	
Conductivity (EC)	126		2	uS/cm	May-15-12	May-15-12	
Fluoride	< 0.10	MAC = 1.5	0.10	mg/L	May-16-12	May-16-12	
Hardness, Total (Total as CaCO3)	59.2		5.0	mg/L	N/A	N/A	
Hardness, Total (Diss. as CaCO3)	55.3		5.0	mg/L	N/A	N/A	
Nitrogen, Ammonia as N	< 0.020		0.020	mg/L	May-15-12	May-15-12	
Nitrogen, Nitrate+ Nitrite as N	0.062		0.020	mg/L	N/A	N/A	
Nitrogen, Nitrate as N	0.062	MAC = 10	0.010	mg/L	May-16-12	May-16-12	
Nitrogen, Nitrite as N	< 0.010	MAC = 1	0.010	mg/L	May-16-12	May-16-12	
Solids, Total Dissolved	78	AO ≤ 500	5	mg/L	May-15-12	May-15-12	
Sulfate	6.9	AO ≤ 500	1.0	mg/L	May-16-12	May-16-12	
UV Transmittance @ 254nm	96.0		0.1	%	May-22-12	May-22-12	HT

Dissolved Metals

Blue River CWS Pump Building (2050773-01) Matrix: Water Sampled: May-14-12 14:11

Aluminum, dissolved	< 0.05		0.05	mg/L	May-18-12	May-19-12	
Antimony, dissolved	< 0.001		0.001	mg/L	May-18-12	May-19-12	
Arsenic, dissolved	< 0.005		0.005	mg/L	May-18-12	May-19-12	
Barium, dissolved	< 0.05		0.05	mg/L	May-18-12	May-19-12	
Beryllium, dissolved	< 0.001		0.001	mg/L	May-18-12	May-19-12	
Bismuth, dissolved	< 0.001		0.001	mg/L	May-18-12	May-19-12	
Boron, dissolved	< 0.04		0.04	mg/L	May-18-12	May-19-12	
Cadmium, dissolved	< 0.0001		0.0001	mg/L	May-18-12	May-19-12	
Calcium, dissolved	17		2	mg/L	May-18-12	May-19-12	
Chromium, dissolved	< 0.005		0.005	mg/L	May-18-12	May-19-12	
Cobalt, dissolved	< 0.0005		0.0005	mg/L	May-18-12	May-19-12	
Copper, dissolved	< 0.002		0.002	mg/L	May-18-12	May-19-12	
Iron, dissolved	< 0.1		0.1	mg/L	May-18-12	May-19-12	
Lead, dissolved	< 0.001		0.001	mg/L	May-18-12	May-19-12	
Lithium, dissolved	0.003		0.001	mg/L	May-18-12	May-19-12	
Magnesium, dissolved	3.1		0.1	mg/L	May-18-12	May-19-12	
Manganese, dissolved	< 0.002		0.002	mg/L	May-18-12	May-19-12	
Mercury, dissolved	< 0.0002		0.0002	mg/L	May-18-12	May-19-12	
Molybdenum, dissolved	< 0.001		0.001	mg/L	May-18-12	May-19-12	
Nickel, dissolved	< 0.002		0.002	mg/L	May-18-12	May-19-12	
Phosphorus, dissolved	< 0.2		0.2	mg/L	May-18-12	May-19-12	
Potassium, dissolved	0.9		0.2	mg/L	May-18-12	May-19-12	
Selenium, dissolved	< 0.005		0.005	mg/L	May-18-12	May-19-12	
Silicon, dissolved	< 5		5	mg/L	May-18-12	May-19-12	
Silver, dissolved	< 0.0005		0.0005	mg/L	May-18-12	May-19-12	

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Dissolved Metals, Continued

Blue River CWS Pump Building (2050773-01) Matrix: Water Sampled: May-14-12 14:11, Continued

Sodium, dissolved	2.3		0.2	mg/L	May-18-12	May-19-12	
Strontium, dissolved	0.07		0.01	mg/L	May-18-12	May-19-12	
Sulfur, dissolved	19		10	mg/L	May-18-12	May-19-12	
Tellurium, dissolved	< 0.002		0.002	mg/L	May-18-12	May-19-12	
Thallium, dissolved	< 0.0002		0.0002	mg/L	May-18-12	May-19-12	
Thorium, dissolved	< 0.001		0.001	mg/L	May-18-12	May-19-12	
Tin, dissolved	< 0.002		0.002	mg/L	May-18-12	May-19-12	
Titanium, dissolved	< 0.05		0.05	mg/L	May-18-12	May-19-12	
Uranium, dissolved	0.0008		0.0002	mg/L	May-18-12	May-19-12	
Vanadium, dissolved	< 0.01		0.01	mg/L	May-18-12	May-19-12	
Zinc, dissolved	< 0.04		0.04	mg/L	May-18-12	May-19-12	
Zirconium, dissolved	< 0.001		0.001	mg/L	May-18-12	May-19-12	

Total Recoverable Metals

Blue River CWS Pump Building (2050773-01) Matrix: Water Sampled: May-14-12 14:11

Aluminum, total	0.06	AO ≤ 0.1	0.05	mg/L	May-18-12	May-18-12	
Antimony, total	< 0.001	MAC = 0.006	0.001	mg/L	May-18-12	May-18-12	
Arsenic, total	< 0.005	MAC = 0.01	0.005	mg/L	May-18-12	May-18-12	
Barium, total	< 0.05	MAC = 1	0.05	mg/L	May-18-12	May-18-12	
Beryllium, total	< 0.001		0.001	mg/L	May-18-12	May-18-12	
Bismuth, total	< 0.001		0.001	mg/L	May-18-12	May-18-12	
Boron, total	< 0.04	MAC = 5	0.04	mg/L	May-18-12	May-18-12	
Cadmium, total	< 0.0001	MAC = 0.005	0.0001	mg/L	May-18-12	May-18-12	
Calcium, total	18		2	mg/L	May-18-12	May-18-12	
Chromium, total	< 0.005	MAC = 0.05	0.005	mg/L	May-18-12	May-18-12	
Cobalt, total	< 0.0005		0.0005	mg/L	May-18-12	May-18-12	
Copper, total	< 0.002	AO ≤ 1	0.002	mg/L	May-18-12	May-18-12	
Iron, total	< 0.1	AO ≤ 0.3	0.1	mg/L	May-18-12	May-18-12	
Lead, total	< 0.001	MAC = 0.01	0.001	mg/L	May-18-12	May-18-12	
Lithium, total	0.003		0.001	mg/L	May-18-12	May-18-12	
Magnesium, total	3.6		0.1	mg/L	May-18-12	May-18-12	
Manganese, total	< 0.002	AO ≤ 0.05	0.002	mg/L	May-18-12	May-18-12	
Mercury, total	< 0.0002	MAC = 0.001	0.0002	mg/L	May-18-12	May-18-12	
Molybdenum, total	< 0.001		0.001	mg/L	May-18-12	May-18-12	
Nickel, total	< 0.002		0.002	mg/L	May-18-12	May-18-12	
Phosphorus, total	< 0.2		0.2	mg/L	May-18-12	May-18-12	
Potassium, total	1.2		0.2	mg/L	May-18-12	May-18-12	
Selenium, total	< 0.005	MAC = 0.01	0.005	mg/L	May-18-12	May-18-12	
Silicon, total	5		5	mg/L	May-18-12	May-18-12	
Silver, total	< 0.0005		0.0005	mg/L	May-18-12	May-18-12	
Sodium, total	2.6	AO ≤ 200	0.2	mg/L	May-18-12	May-18-12	
Strontium, total	0.08		0.01	mg/L	May-18-12	May-18-12	
Sulfur, total	20		10	mg/L	May-18-12	May-18-12	
Tellurium, total	< 0.002		0.002	mg/L	May-18-12	May-18-12	
Thallium, total	< 0.0002		0.0002	mg/L	May-18-12	May-18-12	
Thorium, total	0.001		0.001	mg/L	May-18-12	May-18-12	

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Total Recoverable Metals, Continued

Blue River CWS Pump Building (2050773-01) Matrix: Water Sampled: May-14-12 14:11, Continued

Tin, total	< 0.002		0.002	mg/L	May-18-12	May-18-12	
Titanium, total	< 0.05		0.05	mg/L	May-18-12	May-18-12	
Uranium, total	0.0009	MAC = 0.02	0.0002	mg/L	May-18-12	May-18-12	
Vanadium, total	< 0.0002		0.0002	mg/L	May-18-12	May-18-12	
Zinc, total	< 0.04	AO ≤ 5	0.04	mg/L	May-18-12	May-18-12	
Zirconium, total	< 0.001		0.001	mg/L	May-18-12	May-18-12	

Volatile Organic Compounds

Blue River CWS Pump Building (2050773-01) Matrix: Water Sampled: May-14-12 14:11

Bromodichloromethane	< 0.001		0.001	mg/L	May-16-12	May-16-12	
Bromoform	< 0.001		0.001	mg/L	May-16-12	May-16-12	
Chloroform	< 0.001		0.001	mg/L	May-16-12	May-16-12	
Dibromochloromethane	< 0.001		0.001	mg/L	May-16-12	May-16-12	
Total Trihalomethanes	< 0.004	0.1	0.004	mg/L	N/A	N/A	
Total Trihalomethanes (as CHCl ₃)	< 0.003		0.003	mg/L	N/A	N/A	
Surrogate: Toluene-d ₈	92 %		80-120		May-16-12	May-16-12	
Surrogate: 4-Bromofluorobenzene	93 %		80-120		May-16-12	May-16-12	

Sample Qualifiers:

F1 The sample was not field-filtered and was therefore filtered (0.45um) in the laboratory prior to analysis.
HT Parameter(s) analyzed outside of the recommended holding time.