

Report For: City of Prince George
 Received: 10/04/2019 18:36
 Report ID: 2446615
 Report Name:

Sample ID: 1377945-1
 Water System: BCR Danson Industrial Water System
 Source: PW 627 Well
 Facility: PW 627 Well Pumphouse
 Sampling Pt: PW 627 Pumphouse raw water (PW627-2-SR, DB94)
 Comment: DB94 / PW627-Raw Water / 7.9°C
 Sampled: 09/18/2019 13:45

INORGANIC		Criteria & Type	Status
Aluminum (total)	< 0.001 mg/L	<=0.1 Operational - Conventional	Final
Antimony (total)	0.00006 mg/L	<=0.006 MAC	Final
Arsenic (total)	0.0004 mg/L	Current Level	Final
Barium (total)	0.071 mg/L	<=1 MAC	Final
Beryllium (total)	< 0.00005 mg/L		Final
Bismuth (total)	< 0.0001 mg/L		Final
Boron (total)	0.008 mg/L	<=5 MAC	Final
Cadmium (total)	< 0.00001 mg/L	<=0.005 MAC	Final
Calcium (dissolved)	81 mg/L		Final
Calcium (total)	81 mg/L		Final
Chloride	18.5 mg/L	<=250 AO	Final
Chromium (total)	0.00007 mg/L	<=0.05 MAC	Final
Cobalt (total)	0.00003 mg/L		Final
Copper (total)	0.0045 mg/L	<=1 AO	Final
Fluoride	0.11 mg/L	<=1.5 MAC	Final
* Iron (total)	0.39 mg/L	<=0.3 AO	Final
* Iron (total)	0.40 mg/L	<=0.3 AO	Final
Lead (total)	0.00069 mg/L	<=0.005 MAC	Final
Lithium (total)	0.0048 mg/L		Final
Magnesium (dissolved)	22 mg/L		Final
Magnesium (total)	21 mg/L		Final
* Manganese (total)	0.074 mg/L	<=0.02 AO	Final
* Manganese (total)	0.084 mg/L	<=0.02 AO	Final
Molybdenum (total)	0.0015 mg/L		Final
Nickel (total)	0.0004 mg/L		Final
Nitrate (as N)	0.52 mg/L		Final
Nitrite (as N)	< 0.01 mg/L		Final
o-Phosphate (dissolved, as P)	0.009 mg/L		Final
Potassium (dissolved)	2.2 mg/L		Final
Potassium (total)	2.2 mg/L		Final
Selenium (total)	0.0021 mg/L	<=0.05 MAC	Final



Laboratory Report

Exova

Report Name:

Sample ID: 1377945-1 (continued)
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Sampling Pt: PW 627 Pumphouse raw water (PW627-2-SR, DB94)
Comment: DB94 / PW627-Raw Water / 7.9°C
Sampled: 09/18/2019 13:45

INORGANIC		Criteria & Type		Status
Silicon (total, as Si)	8.8 mg/L			Final
Silver (total)	0.00001 mg/L			Final
Sodium (dissolved)	7.9 mg/L			Final
Sodium (total)	8.0 mg/L	<=200	AO	Final
Strontium (total)	0.40 mg/L			Final
Sulfur (total)	4.4 mg/L			Final
Sulphate	11.6 mg/L	<=500	AO	Final
Thallium (total)	< 0.00001 mg/L			Final
Tin (total)	< 0.0001 mg/L			Final
Titanium (total)	0.007 mg/L			Final
Vanadium (total)	0.00050 mg/L			Final
Zinc (total)	0.0027 mg/L	<=5	AO	Final
Zirconium (total)	< 0.0001 mg/L			Final
MICROORGANISMS		Criteria & Type		Status
Escherichia coli / E. coli (MPN)	< 1.0 MPN/100ml	<=0,P	Microbiological standard	Final
Fecal (thermal tolerant) Coliforms (counts)	< 1 CFU/100ml	<=0	Microbiological Standard	Final
Total Coliforms (MPN)	< 1.0 MPN/100ml	<=0,P	User-Defined	Final
ORGANIC		Criteria & Type		Status
Total Organic Carbon / TOC	1.0 mg/L			Final
PHYSICAL		Criteria & Type		Status
Alkalinity (total, as CaCO3)	282 mg/L			Final
Bicarbonate (as HCO3)	344 mg/L			Final
Carbonate (as CO3)	< 6 mg/L			Final
Colour	< 5 TCU	<=15	AO	Final
Conductivity	589 uS/cm			Final
Hardness (total, as CaCO3)	290 mg/L			Final
Hydroxide (as OH)	< 5 mg/L			Final
pH	7.73		Current Level	Final
Total Dissolved Solids / TDS (computed)	339 mg/L			Final
Total Suspended Solids / TSS	< 2 mg/L			Final
Turbidity	3.95 NTU	<=5	User-Defined	Final



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Exova

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Comment: DB94 / PW627-Raw Water / 7.9°C
Sampled: 09/18/2019 13:45

RADIONUCLIDES			Criteria & Type	Status
Uranium (total)	0.0053 mg/L	<=0.02	MAC	Final

Sample ID: 1377945-2
Water System: BCR Danson Industrial Water System
Source: PW 627 Well
Facility: PW 627 Well Pumphouse
Sampling Pt: PW 627 Pumphouse raw water (PW627-2-SR, DB94)
Comment: DB94 / PW627-Raw Water / 18,8°C
Sampled: 09/27/2019 13:15

ORGANIC			Criteria & Type	Status
Bromodichloromethane (dichlorobromomethane)	< 0.001 mg/L	<=0.1	IMAC for TTHM expressed as a running annual average	Final
Bromoform	< 0.001 mg/L	<=0.1	IMAC for TTHM expressed as a running annual average	Final
Chloroform	0.001 mg/L	<=0.1	Standard for TTHM expressed as a running annual average	Final
Dibromochloromethane (Chlorodibromomethane)	< 0.001 mg/L	<=0.1	IMAC for TTHM expressed as a running annual average	Final
Total Trihalomethanes / TTHM	0.001 mg/L	<=0.1	IMAC based on running annual average	Final

Result Legend

P=present, A=absent, PR=presumptive, ND=non-detect, OR=over-range, OG=overgrown, Y=yes, N=no,
TNTC=too numerous to count, NR=no result, NT=not tested, IG=ignore, ER=external report, SC=see comment
< means less than lower detection limit shown

> means greater than upper detection limit shown

« means detected & less than number shown

» means detected & greater than number shown

* Indicates Criteria is exceeded