

Laboratory Report

Exova

Report For: City of Prince George
 Received: 07/17/2018 10:11
 Report ID: 2270795
 Report Name:

Sample ID: 1259566-1
 Water System: Western Acres Water System
 Source: PW 625 Well
 Facility: PW 625 Pumphouse
 Sampling Pt: PW 625 Pumphouse raw water (PW625-2-SR, DB88)
 Comment: DB88 / PW625-Raw Water / 7.1°C
 Sampled: 03/14/2018 10:40

INORGANIC		Criteria & Type	Status
* Aluminum (total)	0.21 mg/L	<=0.1	Operational - Conventional
			Final
Antimony (total)	0.0020 mg/L	<=0.006	MAC
Arsenic (total)	0.0007 mg/L		Current Level
Barium (total)	0.016 mg/L	<=1	MAC
Beryllium (total)	< 0.00005 mg/L		
Bismuth (total)	< 0.0001 mg/L		
Boron (total)	0.098 mg/L	<=5	MAC
Cadmium (total)	0.00002 mg/L	<=0.005	MAC
Calcium (dissolved)	70 mg/L		
Calcium (total)	20 mg/L		
Chloride	0.25 mg/L	<=250	AO
Chromium (total)	< 0.00005 mg/L	<=0.05	MAC
Cobalt (total)	0.00033 mg/L		
Copper (total)	0.0020 mg/L	<=1	AO
Fluoride	0.06 mg/L	<=1.5	MAC
Iron (total)	0.074 mg/L	<=0.3	AO
Iron (total)	0.093 mg/L	<=0.3	AO
Lead (total)	0.00045 mg/L	<=0.01	MAC
Lithium (total)	0.0039 mg/L		
Magnesium (dissolved)	29 mg/L		
Magnesium (total)	26 mg/L		
Manganese (total)	0.015 mg/L	<=0.05	AO
Manganese (total)	0.016 mg/L	<=0.05	AO
Molybdenum (total)	0.0017 mg/L		
Nickel (total)	0.0006 mg/L		
Nitrate (as N)	0.12 mg/L		
Nitrite (as N)	< 0.01 mg/L		
o-Phosphate (dissolved, as P)	< 0.002 mg/L		
Potassium (dissolved)	1.5 mg/L		
Potassium (total)	8.1 mg/L		
Selenium (total)	< 0.0002 mg/L	<=0.05	MAC



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INORGANIC		Criteria & Type		Status
Silicon (total, as Si)	6.0 mg/L			Final
Silver (total)	0.00011 mg/L			Final
Sodium (dissolved)	9.9 mg/L			Final
* Sodium (total)	250 mg/L	<=200	AO	Final
Strontium (total)	0.22 mg/L			Final
Sulfur (total)	21 mg/L			Final
Sulphate	14.1 mg/L	<=500	AO	Final
Thallium (total)	< 0.00001 mg/L			Final
Tin (total)	< 0.0001 mg/L			Final
Titanium (total)	0.003 mg/L			Final
Uranium (total)	0.00005 mg/L	<=0.02	MAC	Final
Vanadium (total)	0.00086 mg/L			Final
Zinc (total)	0.0028 mg/L	<=5	AO	Final
Zirconium (total)	< 0.0001 mg/L			Final

MICROORGANISMS		Criteria & Type		Status
Escherichia coli / E. coli (MPN / PA)	< 1.0 MPN/100ml	<=0,P	Microbiological standard	Final
Fecal Coliforms (counts)	< 1 CFU/100ml	<=0	Microbiological Standard	Final
Total Coliforms (MPN / PA)	< 1.0 MPN/100ml	<=0,P	User-Defined	Final

ORGANIC		Criteria & Type		Status
Bromodichloromethane	< 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	< 0.001 mg/L	<=0.1	IMAC for TTHM expressed as a running annual average	Final
Total Organic Carbon / TOC	1.0 mg/L			Final
Total Trihalomethanes / TTHM	< 0.001 mg/L	<=0.1	IMAC based on running annual average	Final

PHYSICAL		Criteria & Type		Status
Alkalinity (total, as CaCO3)	292 mg/L			Final
Bicarbonate (as HCO3)	356 mg/L			Final



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PHYSICAL			Criteria & Type	Status
Colour	< 5	TCU	<=15 AO	Final
Conductivity	541	uS/cm		Final
Hardness (total, as CaCO3)	290	mg/L		Final
Hydroxide (as OH)	< 5	mg/L		Final
pH	7.77		Current Level	Final
Total Dissolved Solids / TDS (computed)	329	mg/L		Final
Total Suspended Solids / TSS	< 2.000	mg/L		Final
Turbidity	< 0.05	NTU	<=5 User-Defined	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