

Laboratory Report

Exova

Report For: City of Prince George
 Received: 10/04/2019 18:36
 Report ID: 2446613
 Report Name:

Sample ID: 1377947-1
 Water System: Core Water System
 Source: PW 624 and PW 621 Wells
 Facility: PW 624 Well Pumphouse
 Sampling Pt: PW 624 Pumphouse Well 1 raw water (PW624-1-SR, DBA5)
 Comment: DBA5 / PW624-Raw Water / 8.9°C
 Sampled: 09/18/2019 12:45

INORGANIC		Criteria & Type	Status
Aluminum (total)	0.010 mg/L	<=0.1 Operational - Conventional	Final
Antimony (total)	0.00007 mg/L	<=0.006 MAC	Final
Arsenic (total)	0.0011 mg/L	Current Level	Final
Barium (total)	0.042 mg/L	<=1 MAC	Final
Beryllium (total)	< 0.00005 mg/L		Final
Bismuth (total)	< 0.0001 mg/L		Final
Boron (total)	0.010 mg/L	<=5 MAC	Final
Cadmium (total)	0.00002 mg/L	<=0.005 MAC	Final
Calcium (dissolved)	42 mg/L		Final
Calcium (total)	42 mg/L		Final
Chloride	9.47 mg/L	<=250 AO	Final
Chromium (total)	< 0.00005 mg/L	<=0.05 MAC	Final
Cobalt (total)	< 0.00002 mg/L		Final
Copper (total)	0.012 mg/L	<=1 AO	Final
Fluoride	0.12 mg/L	<=1.5 MAC	Final
Iron (total)	0.008 mg/L	<=0.3 AO	Final
Iron (total)	< 0.004 mg/L	<=0.3 AO	Final
Lead (total)	0.00058 mg/L	<=0.005 MAC	Final
Lithium (total)	0.0033 mg/L		Final
Magnesium (dissolved)	14 mg/L		Final
Magnesium (total)	13 mg/L		Final
* Manganese (total)	0.074 mg/L	<=0.02 AO	Final
* Manganese (total)	0.085 mg/L	<=0.02 AO	Final
Molybdenum (total)	0.0022 mg/L		Final
Nickel (total)	0.0004 mg/L		Final
Nitrate (as N)	0.03 mg/L		Final
Nitrite (as N)	< 0.01 mg/L		Final
o-Phosphate (dissolved, as P)	0.023 mg/L		Final
Potassium (dissolved)	2.7 mg/L		Final
Potassium (total)	2.6 mg/L		Final
Selenium (total)	0.0004 mg/L	<=0.05 MAC	Final



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Water System: Core Water System
Source: PW 624 and PW 621 Wells
Facility: PW 624 Well Pumphouse
Sampling Pt: PW 624 Pumphouse Well 1 raw water (PW624-1-SR, DBA5)
Comment: DBA5 / PW624-Raw Water / 8.9°C
Sampled: 09/18/2019 12:45

INORGANIC		Criteria & Type	Status
Silicon (total, as Si)	6.4 mg/L		Final
Silver (total)	< 0.00001 mg/L		Final
Sodium (dissolved)	6.3 mg/L		Final
Sodium (total)	6.3 mg/L	<=200 AO	Final
Strontium (total)	0.29 mg/L		Final
Sulfur (total)	4.3 mg/L		Final
Sulphate	12.8 mg/L	<=500 AO	Final
Thallium (total)	< 0.00001 mg/L		Final
Tin (total)	< 0.0001 mg/L		Final
Titanium (total)	0.004 mg/L		Final
Vanadium (total)	0.00088 mg/L		Final
Zinc (total)	0.022 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	1.5 mg/L		Final
PHYSICAL		Criteria & Type	Status
Alkalinity (total, as CaCO3)	164 mg/L		Final
Bicarbonate (as HCO3)	200 mg/L		Final
Carbonate (as CO3)	< 6 mg/L		Final
Colour	< 5 TCU	<=15 AO	Final
Conductivity	352 uS/cm		Final
Hardness (total, as CaCO3)	160 mg/L		Final
Hydroxide (as OH)	< 5 mg/L		Final
pH	7.99	Current Level	Final
Total Dissolved Solids / TDS (computed)	203 mg/L		Final
Total Suspended Solids / TSS	< 2 mg/L		Final
Turbidity	0.23 NTU	<=5 User-Defined	Final

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Source: PW 624 and PW 621 Wells
Facility: PW 624 Well Pumphouse
Sampling Pt: PW 624 Pumphouse Well 1 raw water (PW624-1-SR, DBA5)
Comment: DBA5 / PW624-Raw Water / 8.9°C
Sampled: 09/18/2019 12:45

RADIONUCLIDES			Criteria & Type	Status
Uranium (total)	0.0017	mg/L	<=0.02 MAC	Final

Sample ID: 1377947-2
Water System: Core Water System
Source: PW 624 and PW 621 Wells
Facility: PW 624 Well Pumphouse
Sampling Pt: PW 624 Pumphouse Well 1 raw water (PW624-1-SR, DBA5)
Comment: DBA5 / PW624-Raw Water / 18.8°C
Sampled: 09/27/2019 12:40

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