

Report For: City of Prince George  
 Received: 03/10/2021 11:28  
 Report ID: 20J2064  
 Report Name: 20J2064\_FINAL\_WaterTrax\_10\_Mar\_21\_1120.txt

**Sample ID: 20J2064-01**  
 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: Generated by File Transfer  
 Sampled: 10/20/2020 09:50

INORGANIC		Criteria & Type	Status
Aluminum (dissolved)	0.0227 mg/L		Final
Aluminum (total)	0.0059 mg/L	<=0.1 Operational - Conventional	Final
Ammonia (total, as N)	< 0.050 mg/L		Final
Antimony (dissolved)	< 0.00020 mg/L		Final
<b>* Antimony (total)</b>	<b>0.00776 mg/L</b>	<b>&lt;=0.006 MAC</b>	<b>Final</b>
Arsenic (dissolved)	0.00131 mg/L		Final
Arsenic (total)	0.00127 mg/L	Current Level	Final
Barium (dissolved)	0.0460 mg/L		Final
Barium (total)	0.0500 mg/L	<=2 MAC	Final
Beryllium (dissolved)	< 0.00010 mg/L		Final
Beryllium (total)	< 0.00010 mg/L		Final
Bismuth (dissolved)	< 0.00010 mg/L		Final
Bismuth (total)	< 0.00010 mg/L		Final
Boron (dissolved)	< 0.0500 mg/L		Final
Boron (total)	< 0.0500 mg/L	<=5 MAC	Final
Bromide	< 0.10 mg/L		Final
Cadmium (dissolved)	0.000024 mg/L		Final
Cadmium (total)	0.000039 mg/L	<=0.005 MAC	Final
Calcium (dissolved)	46.6 mg/L		Final
Calcium (total)	47.8 mg/L		Final
Chloride	13.7 mg/L	<=250 AO	Final
Chromium (extractable)	< 0.00050 mg/L		Final
Chromium (total)	< 0.00050 mg/L	<=0.05 MAC	Final
Cobalt (dissolved)	< 0.00010 mg/L		Final
Cobalt (total)	< 0.00010 mg/L		Final
Copper (extractable)	0.0181 mg/L		Final
Copper (total)	0.0177 mg/L	<=1 AO	Final
Fluoride	< 0.10 mg/L	<=1.5 MAC	Final
Iron (dissolved)	< 0.010 mg/L		Final
Iron (total)	0.014 mg/L	<=0.3 AO	Final
Lead (dissolved)	0.00092 mg/L		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:** Generated by File Transfer  
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INORGANIC		Criteria & Type	Status
Lead (total)	0.00100 mg/L	<=0.005 MAC	Final
Lithium (dissolved)	0.00335 mg/L		Final
Lithium (total)	0.00329 mg/L		Final
Magnesium (dissolved)	13.6 mg/L		Final
Magnesium (total)	15.1 mg/L		Final
Manganese (dissolved)	0.0220 mg/L		Final
<b>* Manganese (total)</b>	<b>0.0531 mg/L</b>	<b>&lt;=0.02 AO</b>	<b>Final</b>
Mercury (dissolved)	< 0.000010 mg/L		Final
Mercury (total)	< 0.000010 mg/L	<=0.001 MAC	Final
Molybdenum (dissolved)	0.00187 mg/L		Final
Molybdenum (total)	0.00202 mg/L		Final
Nickel (dissolved)	< 0.00040 mg/L		Final
Nickel (total)	< 0.00040 mg/L		Final
Nitrate (as N)	0.034 mg/L		Final
Nitrate + Nitrite (as N)	0.0344 mg/L		Final
Nitrite (as N)	< 0.010 mg/L		Final
o-Phosphate (as P)	0.0114 mg/L		Final
Phosphorus (total dissolved)	< 0.050 mg/L		Final
Phosphorus (total)	< 0.050 mg/L		Final
Potassium (dissolved)	3.20 mg/L		Final
Potassium (total)	2.80 mg/L		Final
Selenium (dissolved)	0.00059 mg/L		Final
Selenium (total)	< 0.00050 mg/L	<=0.05 MAC	Final
Silicon (dissolved, as Si)	8.4 mg/L		Final
Silver (dissolved)	< 0.000050 mg/L		Final
Silver (total)	< 0.000050 mg/L		Final
Sodium (dissolved)	6.78 mg/L		Final
Sodium (total)	7.14 mg/L	<=200 AO	Final
Strontium (dissolved)	0.320 mg/L		Final
Strontium (total)	0.350 mg/L		Final
Sulfur (dissolved)	6.2 mg/L		Final
Sulfur (total)	6.3 mg/L		Final
Sulphate	13.4 mg/L	<=500 AO	Final
Tellurium (dissolved)	< 0.00050 mg/L		Final
Tellurium (total)	< 0.00050 mg/L		Final
Thallium (dissolved)	< 0.000020 mg/L		Final

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INORGANIC		Criteria & Type	Status
Thallium (total)	< 0.000020 mg/L		Final
Thorium (dissolved)	< 0.00010 mg/L		Final
Thorium (total)	< 0.00010 mg/L		Final
Tin (dissolved)	< 0.00020 mg/L		Final
Tin (total)	< 0.00020 mg/L		Final
Titanium (dissolved)	< 0.0050 mg/L		Final
Titanium (total)	< 0.0050 mg/L		Final
Tungsten (dissolved)	< 0.0010 mg/L		Final
Tungsten (total)	< 0.0010 mg/L		Final
Uranium (dissolved)	0.00181 mg/L		Final
Vanadium (dissolved)	< 0.0010 mg/L		Final
Vanadium (total)	0.0028 mg/L		Final
Zinc (dissolved)	0.0333 mg/L		Final
Zinc (total)	0.0511 mg/L	<=5 AO	Final
Zirconium (dissolved)	0.00278 mg/L		Final
Zirconium (total)	< 0.00010 mg/L		Final

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

ORGANIC		Criteria & Type	Status
Acenaphthene	< 0.050 ug/L		Final
Acenaphthylene	< 0.200 ug/L		Final
Acridine	< 0.050 ug/L		Final
Adsorbable Organic Halides / AOX	< 50 ug/L		Final
Anthracene	< 0.010 ug/L		Final
Benzo(a)anthracene	0.033 ug/L		Final
Benzo(b)fluoranthene	0.031 ug/L		Final
Benzo(b,j)fluoranthene	0.096 ug/L		Final
Benzo(g,h,i)perylene	< 0.050 ug/L		Final
Benzo(k)fluoranthene	< 0.050 ug/L		Final
Bromodichloromethane (dichlorobromomethane)	< 0.0010 mg/L	<=0.1 IMAC for TTHM expressed as a running annual average	Final



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ORGANIC			Criteria & Type	Status
Bromoform	< 0.0010	mg/L	<=0.1 IMAC for TTHM expressed as a running annual average	Final
Chloroethane	< 2.0	ug/L		Final
Chloroform	< 0.0010	mg/L	<=0.1 Standard for TTHM expressed as a running annual average	Final
2-Chloronaphthalene	< 0.100	ug/L		Final
Chrysene	< 0.050	ug/L		Final
Dibenzo(a,h)anthracene	0.024	ug/L		Final
Dibromochloromethane (Chlorodibromomethane)	< 0.0010	mg/L	<=0.1 IMAC for TTHM expressed as a running annual average	Final
Dibromomethane	< 1.0	ug/L		Final
1,3-Dichlorobenzene	< 1.0	ug/L		Final
1,2-Dichloroethene	< 1.0	ug/L		Final
F1 (CCME): (C6-C10)	< 0.10	mg/L		Final
F1 (CCME): (C6-C10)	< 0.104	mg/L		Final
F2 (CCME): (C10-C16)	< 0.40	mg/L		Final
F3 (CCME): (C16-C34)	< 0.40	mg/L		Final
F4 (CCME): (C34-C50)	< 0.40	mg/L		Final
Fluoranthene	< 0.030	ug/L		Final
Fluorene	< 0.050	ug/L		Final
Volatile Petroleum Hydrocarbons C06-C10 (less BTEX)	< 100	ug/L		Final
Volatile Petroleum Hydrocarbons C06-C10	< 100	ug/L		Final
Extractable Petroleum Hydrocarbons C10-C19	< 250	ug/L		Final
Extractable Petroleum Hydrocarbons C19-C32	< 250	ug/L		Final
Indeno(1,2,3-c,d)pyrene	< 0.050	ug/L		Final
Methyl tert-butyl ether / MTBE	< 1.0	ug/L		Final
1-Methylnaphthalene	< 0.100	ug/L		Final
2-Methylnaphthalene	< 0.100	ug/L		Final
Naphthalene	< 0.200	ug/L		Final
Nitrogen (total)	0.166	mg/L		Final
Total PAH	< 0.000200	mg/L		Final
Phenanthrene	< 0.100	ug/L		Final
Pyrene	< 0.020	ug/L		Final
Quinoline	< 0.050	ug/L		Final

Total Kjeldahl Nitrogen / TKN  
Total Organic Carbon / TOC

0.132 mg/L  
4.17 mg/L

Final  
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ORGANIC		Criteria & Type	Status
Trichlorofluoromethane	< 1.0 ug/L		Final
Total Trihalomethanes / TTHM	< 0.00400 mg/L	<=0.1 IMAC based on running annual average	Final
PHYSICAL		Criteria & Type	Status
Alkalinity (bicarbonate, as CaCO3)	158 mg/L		Final
Alkalinity (carbonate, as CaCO3)	< 1.0 mg/L		Final
Alkalinity (hydroxide, as CaCO3)	< 1.0 mg/L		Final
Alkalinity (phenolphthalein, as CaCO3)	< 1.0 mg/L		Final
Alkalinity (total, as CaCO3)	158 mg/L		Final
Hardness (total, as CaCO3)	173 mg/L		Final
Hardness (total, as CaCO3)	182 mg/L		Final
Total Suspended Solids / TSS	< 2.0 mg/L		Final
RADIONUCLIDES		Criteria & Type	Status
Uranium (total)	0.00192 mg/L	<=0.02 MAC	Final
SOCS		Criteria & Type	Status
Ethylene dibromide / EDB	< 0.3 ug/L		Final
VOCS		Criteria & Type	Status
Benzene	< 0.5 ug/L	<=5 MAC	Final
Carbon tetrachloride	< 0.5 ug/L	<=2 MAC	Final
Chlorobenzene	< 1.0 ug/L	<=80 MAC	Final
1,2-Dichlorobenzene	< 0.5 ug/L	<=200 MAC	Final
1,4-Dichlorobenzene	< 1.0 ug/L	<=5 MAC	Final
1,1-Dichloroethane	< 1.0 ug/L		Final
1,1-Dichloroethylene	< 1.0 ug/L	<=14 MAC	Final
cis-1,2-Dichloroethylene	< 1.0 ug/L		Final
trans-1,2-Dichloroethylene	< 1.0 ug/L		Final
Dichloromethane	< 3.0 ug/L	<=50 MAC	Final
1,2-Dichloropropane	< 1.0 ug/L		Final
1,3-Dichloropropene	< 1.0 ug/L		Final
Ethylbenzene	< 1.0 ug/L	<=1.6 AO	Final
Styrene	< 1.0 ug/L		Final
1,1,2,2-Tetrachloroethane	< 0.5 ug/L		Final
Tetrachloroethylene / PCE	< 1.0 ug/L	<=10 MAC	Final
Toluene	< 1.0 ug/L	<=24 AO	Final
1,1,1-Trichloroethane	< 1.0 ug/L		Final
1,1,2-Trichloroethane	< 1.0 ug/L		Final



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VOCS			Criteria & Type	Status
Trichloroethylene / TCE	< 1.0 ug/L	<=5	MAC	Final
Vinyl chloride	< 1.0 ug/L	<=2	MAC	Final
Xylenes (total)	< 2.0 ug/L	<=20	AO	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**

