

Report For: City of Prince George
 Received: 09/23/2020 09:40
 Report ID: 0041737
 Report Name: 0041737_FINAL_WaterTrax_22_Sep_20_1620.txt

Sample ID: 0041737-01
 Water System: Core Water System
 Source: PW 601 Well
 Facility: PW 601 Well Pumphouse
 Sampling Pt: PW 601 Pumphouse raw water (PW601-1-SR, DBB1)
 Comment: Generated by File Transfer
 Sampled: 04/22/2020 11:15

INORGANIC			Criteria & Type	Status
Aluminum (dissolved)	< 0.0050	mg/L		Final
Aluminum (total)	< 0.0050	mg/L	<=0.1 Operational - Conventional	Final
Ammonia (total, as N)	< 0.050	mg/L		Final
Antimony (dissolved)	0.00023	mg/L		Final
Antimony (total)	0.00030	mg/L	<=0.006 MAC	Final
Arsenic (dissolved)	0.00076	mg/L		Final
Arsenic (total)	0.00091	mg/L	Current Level	Final
Barium (dissolved)	0.0193	mg/L		Final
Barium (total)	0.0216	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)	0.0176	mg/L		Final
Boron (total)	0.0193	mg/L	<=5 MAC	Final
Bromide	< 0.10	mg/L		Final
Cadmium (dissolved)	< 0.000010	mg/L		Final
Cadmium (total)	< 0.000010	mg/L	<=0.005 MAC	Final
Calcium (dissolved)	27.9	mg/L		Final
Calcium (total)	30.4	mg/L		Final
Chloride	5.36	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)	0.00195	mg/L		Final
Copper (total)	0.00153	mg/L	<=1 AO	Final
Fluoride	< 0.10	mg/L	<=1.5 MAC	Final
Iron (dissolved)	< 0.010	mg/L		Final
Iron (total)	< 0.010	mg/L	<=0.3 AO	Final
Lead (dissolved)	< 0.00020	mg/L		Final



Laboratory Report

Report Name: 0041737_FINAL_WaterTrax_22_Sep_20_1620.txt

Sample ID: 0041737-01 (continued)
Water System: Core Water System
Source: PW 601 Well
Facility: PW 601 Well Pumphouse
Sampling Pt: PW 601 Pumphouse raw water (PW601-1-SR, DBB1)
Comment: Generated by File Transfer
Sampled: 04/22/2020 11:15

INORGANIC		Criteria & Type	Status
Lead (total)	< 0.00020 mg/L	<=0.005 MAC	Final
Lithium (dissolved)	0.00119 mg/L		Final
Lithium (total)	0.00123 mg/L		Final
Magnesium (dissolved)	8.80 mg/L		Final
Magnesium (total)	9.27 mg/L		Final
Manganese (dissolved)	0.00774 mg/L		Final
Manganese (total)	0.00865 mg/L	<=0.02 AO	Final
Mercury (dissolved)	< 0.000010 mg/L		Final
Mercury (total)	< 0.000010 mg/L	<=0.001 MAC	Final
Molybdenum (dissolved)	0.00125 mg/L		Final
Molybdenum (total)	0.00137 mg/L		Final
Nickel (dissolved)	0.00054 mg/L		Final
Nickel (total)	0.00067 mg/L		Final
Nitrate (as N)	0.061 mg/L		Final
Nitrate + Nitrite (as N)	0.0612 mg/L		Final
Nitrite (as N)	< 0.010 mg/L		Final
o-Phosphate (as P)	< 0.0050 mg/L		Final
Phosphorus (total dissolved)	< 0.050 mg/L		Final
Phosphorus (total)	< 0.050 mg/L		Final
Potassium (dissolved)	1.21 mg/L		Final
Potassium (total)	1.29 mg/L		Final
Selenium (dissolved)	0.00062 mg/L		Final
Selenium (total)	0.00071 mg/L	<=0.05 MAC	Final
Silicon (dissolved, as Si)	6.3 mg/L		Final
Silicon (total, as Si)	6.6 mg/L		Final
Silver (dissolved)	< 0.000050 mg/L		Final
Silver (total)	< 0.000050 mg/L		Final
Sodium (dissolved)	3.51 mg/L		Final
Sodium (total)	3.66 mg/L	<=200 AO	Final
Strontium (dissolved)	0.140 mg/L		Final
Strontium (total)	0.152 mg/L		Final
Sulfur (dissolved)	< 3.0 mg/L		Final
Sulfur (total)	3.2 mg/L		Final
Sulphate	7.6 mg/L	<=500 AO	Final
Tellurium (dissolved)	< 0.00050 mg/L		Final
Tellurium (total)	< 0.00050 mg/L		Final

Laboratory Report

Report Name: 0041737_FINAL_WaterTrax_22_Sep_20_1620.txt

Sample ID: 0041737-01 (continued)
Water System: Core Water System
Source: PW 601 Well
Facility: PW 601 Well Pumphouse
Sampling Pt: PW 601 Pumphouse raw water (PW601-1-SR, DBB1)
Comment: Generated by File Transfer
Sampled: 04/22/2020 11:15

INORGANIC		Criteria & Type	Status
Thallium (dissolved)	< 0.000020 mg/L		Final
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)	0.000299 mg/L		Final
Vanadium (dissolved)	< 0.0010 mg/L		Final
Vanadium (total)	0.0012 mg/L		Final
Zinc (dissolved)	< 0.0040 mg/L		Final
Zinc (total)	< 0.0040 mg/L	<=5 AO	Final
Zirconium (dissolved)	< 0.00010 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
Adsorbable Organic Halides / AOX	< 6 ug/L		Final
Bromodichloromethane (dichlorobromomethane)	< 0.0010 mg/L	<=0.1 IMAC for TTHM expressed as a running annual average	Final
Bromoform	< 0.0010 mg/L	<=0.1 IMAC for TTHM expressed as a running annual average	Final
Chloroform	< 0.0010 mg/L	<=0.1 Standard for TTHM expressed as a running annual average	Final
Dibromochloromethane (Chlorodibromomethane)	< 0.0010 mg/L	<=0.1 IMAC for TTHM expressed as a running annual average	Final
Nitrogen (total)	0.0612 mg/L		Final
Total Kjeldahl Nitrogen / TKN	< 0.050 mg/L		Final



Laboratory Report

Caro Analytical Services

Report Name: 0041737_FINAL_WaterTrax_22_Sep_20_1620.txt

Sample ID: 0041737-01 (continued)
Water System: Core Water System
Source: PW 601 Well
Facility: PW 601 Well Pumphouse
Sampling Pt: PW 601 Pumphouse raw water (PW601-1-SR, DBB1)
Comment: Generated by File Transfer
Sampled: 04/22/2020 11:15

ORGANIC		Criteria & Type	Status
Total Trihalomethanes / TTHM	< 0.00400 mg/L	<=0.1 IMAC based on running annual average	Final
PHYSICAL		Criteria & Type	Status
Alkalinity (bicarbonate, as CaCO3)	125 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)	125 mg/L		Final
Hardness (total, as CaCO3)	106 mg/L		Final
Total Suspended Solids / TSS	< 2.0 mg/L		Final
RADIONUCLIDES		Criteria & Type	Status
Uranium (total)	0.000315 mg/L	<=0.02 MAC	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