



2025-10-23 11:45 / 14.9°C

CERTIFICATE OF ANALYSIS

REPORTED TO Prince George, City of - Pump Station

> 1100 Patricia Boulevard Prince George, BC V2L 3v9

ATTENTION Cheyenne Magee **WORK ORDER** 25J3217

PO NUMBER

You know that the sample you collected after

snowshoeing to site, digging 5 meters, and

racing to get it on a plane so you can submit it

to the lab for time sensitive results needed to

make important and expensive decisions

(whew) is VERY important. We know that too.

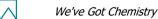
Raw Water - PW 605 **REPORTED** 2025-11-07 16:02 **PROJECT**

PROJECT INFO [info] **COC NUMBER** No#

Introduction:

CARO Analytical Services is a testing laboratory full of smart, engaged scientists driven to make the world a safer and healthier place. Through our clients' projects we become an essential element for a better world. We employ methods conducted in accordance with recognized professional standards using accepted testing methodologies and quality control efforts. CARO is accredited by the Canadian Association for Laboratories Accreditation (CALA) to ISO/IEC 17025:2017 for specific tests listed in the scope of accreditation approved by CALA.

Big Picture Sidekicks



It's simple. We figure the more you working enjoy with fun and our engaged team the more members; likely you are to give us continued opportunities to support you.

Ahead of the Curve

RECEIVED / TEMP

research, and instrumentation, analytical centre knowledge you up to date and in the know.

Through regulation knowledge, are your the technical BEFORE you need it, so you can stay

By engaging our services, you are agreeing to CARO Analytical Service's Standard Terms and Conditions outlined here: https://www.caro.ca/terms-conditions

If you have any questions or concerns, please contact me at hhannaoui@caro.ca

Authorized By:

Hanane El Hannaoui Junior Account Manager

1-888-311-8846 | www.caro.ca



TEST RESULTS

REPORTED TO	Prince George, City of - Pump Station	WORK ORDER	25J3217
PROJECT	Raw Water - PW 605	REPORTED	2025-11-07 16:02

Analyte	Result	RL	Units	Analyzed	Qualifie
PW605 (25J3217-01) Matrix: Drinking	Water Sampled: 2025-10	D-22 12:00			
Anions					
Bromide	< 0.1	0.1	mg/L	2025-10-26	
Chloride	2.84		mg/L	2025-10-26	
Fluoride	< 0.10		mg/L	2025-10-25	
Nitrate (as N)	0.086	0.010		2025-10-25	
Nitrite (as N)	< 0.010	0.010		2025-10-25	
Sulfate	7.2	1.0	mg/L	2025-10-26	
Calculated Parameters					
Total Trihalomethanes	< 0.00400	0.00400	ma/L	N/A	
Hardness, Dissolved (as CaCO3)	99.6	0.500		N/A	
Nitrate+Nitrite (as N)	0.0861	0.0100		N/A	
Nitrogen, Total	0.136	0.0500		N/A	
Dissolved Metals			-		
Aluminum, dissolved	< 0.0050	0.0050	ma/L	2025-10-25	
Antimony, dissolved	< 0.00020	0.00020		2025-10-25	
Arsenic, dissolved	< 0.00050	0.00050		2025-10-25	
Barium, dissolved	0.0234	0.0050		2025-10-25	
Beryllium, dissolved	< 0.00010	0.00010		2025-10-25	
Bismuth, dissolved	< 0.00010	0.00010		2025-10-25	
Boron, dissolved	< 0.0500	0.0500		2025-10-25	
Cadmium, dissolved	0.000065	0.000010		2025-10-25	
Calcium, dissolved	26.2	0.20	mg/L	2025-10-25	
Chromium, dissolved	< 0.00050	0.00050		2025-10-25	
Cobalt, dissolved	< 0.00010	0.00010		2025-10-25	
Copper, dissolved	0.00663	0.00040		2025-10-25	
Iron, dissolved	0.015	0.010		2025-10-25	
Lead, dissolved	< 0.00020	0.00020	mg/L	2025-10-25	
Lithium, dissolved	0.00070	0.00010		2025-10-25	
Magnesium, dissolved	8.27	0.010		2025-10-25	
Manganese, dissolved	0.0297	0.00020		2025-10-25	
Mercury, dissolved	< 0.000010	0.000010		2025-10-29	
Molybdenum, dissolved	0.00172	0.00010	mg/L	2025-10-25	
Nickel, dissolved	0.00145	0.00040		2025-10-25	
Phosphorus, dissolved	< 0.050	0.050		2025-10-25	
Potassium, dissolved	1.35		mg/L	2025-10-25	
Selenium, dissolved	0.00069	0.00050	mg/L	2025-10-25	
Silicon, dissolved	5.5	1.0	mg/L	2025-10-25	
Silver, dissolved	< 0.000050	0.000050	mg/L	2025-10-25	
Sodium, dissolved	4.14	0.10	mg/L	2025-10-25	
Strontium, dissolved	0.125	0.0010	mg/L	2025-10-25	
Sulfur, dissolved	< 3.0	3.0	mg/L	2025-10-25	
Tellurium, dissolved	< 0.00050	0.00050	mg/L	2025-10-25	
Thallium, dissolved	< 0.000020	0.000020	mg/L	2025-10-25	



TEST RESULTS

REPORTED TO	Prince George, City of - Pump Station	WORK ORDER	25J3217
PROJECT	Raw Water - PW 605	REPORTED	2025-11-07 16:02

Analyte	Result	RL	Units	Analyzed	Qualifie
PW605 (25J3217-01) Matrix: Drinking V	Vater Sampled: 2025-10-2	22 12:00, Continued			
Dissolved Metals, Continued					
Thorium, dissolved	< 0.00010	0.00010	mg/L	2025-10-25	
Tin, dissolved	< 0.00020	0.00020	mg/L	2025-10-25	
Titanium, dissolved	< 0.0050	0.0050	mg/L	2025-10-25	
Tungsten, dissolved	< 0.0010	0.0010	mg/L	2025-10-25	
Uranium, dissolved	0.000249	0.000020	mg/L	2025-10-25	
Vanadium, dissolved	< 0.0050	0.0050	mg/L	2025-10-25	
Zinc, dissolved	0.0066	0.0040	mg/L	2025-10-25	
Zirconium, dissolved	< 0.00010	0.00010	mg/L	2025-10-25	
General Parameters					
Adsorbable Organic Halides	8	6	μg/L	2025-10-31	CST2
Alkalinity, Total (as CaCO3)	90.5		mg/L	2025-10-27	
Alkalinity, Phenolphthalein (as CaCO3)	< 1.0		mg/L	2025-10-27	
Alkalinity, Bicarbonate (as CaCO3)	90.5	1.0	mg/L	2025-10-27	
Alkalinity, Carbonate (as CaCO3)	< 1.0	1.0	mg/L	2025-10-27	
Alkalinity, Hydroxide (as CaCO3)	< 1.0	1.0	mg/L	2025-10-27	
Ammonia, Total (as N)	< 0.050	0.050	mg/L	2025-10-28	
Carbon, Total Organic	2.24		mg/L	2025-10-25	
Nitrogen, Total Kjeldahl	0.050	0.050		2025-10-28	
Phosphorus, Dissolved Reactive	0.0068	0.0050		2025-10-24	
Solids, Total Suspended	< 2.0		mg/L	2025-10-28	
Microbiological Parameters					
Coliforms, Total (Q-Tray)	< 1	1	MPN/100 mL	2025-10-24	HT3
Coliforms, Fecal (Q-Tray)	< 1	1	MPN/100 mL	2025-10-24	HT3
E. coli (Q-Tray)	< 1	1	MPN/100 mL	2025-10-24	HT3
Total Metals					F3
Aluminum, total	< 0.0050	0.0050	mg/L	2025-10-30	
Antimony, total	< 0.00020	0.00020	mg/L	2025-10-30	
Arsenic, total	< 0.00050	0.00050	mg/L	2025-10-30	
Barium, total	0.0213	0.0050	mg/L	2025-10-30	
Beryllium, total	< 0.00010	0.00010	mg/L	2025-10-30	
Bismuth, total	< 0.00010	0.00010	mg/L	2025-10-30	
Boron, total	< 0.0500	0.0500		2025-10-30	
Cadmium, total	0.000042	0.000010		2025-10-30	
Calcium, total	26.3		mg/L	2025-10-30	
Chromium, total	< 0.00050	0.00050		2025-10-30	
Cobalt, total	< 0.00010	0.00010		2025-10-30	
Copper, total	0.0123	0.00040		2025-10-30	
Iron, total	0.014	0.010		2025-10-30	
Lead, total	0.00083	0.00020		2025-10-30	
Lithium, total	0.00074	0.00010		2025-10-30	
Magnesium, total	8.71	0.010		2025-10-30	



TEST RESULTS

REPORTED TO Prince George, City of - Pump Station

PROJECT Raw Water - PW 605

WORK ORDER REPORTED 25J3217

2025-11-07 16:02

Analyte	Result	RL	Units	Analyzed	Qualifier
PW605 (25J3217-01) Matrix: Drinking	y Water Sampled: 2025-10-2	2 12:00, Continued			_
Total Metals, Continued					F3
Manganese, total	0.0284	0.00020	mg/L	2025-10-30	
Mercury, total	< 0.000010	0.000010	mg/L	2025-10-29	
Molybdenum, total	0.00186	0.00010	mg/L	2025-10-30	
Nickel, total	0.00159	0.00040	mg/L	2025-10-30	
Phosphorus, total	< 0.050	0.050	mg/L	2025-10-30	
Potassium, total	1.27	0.10	mg/L	2025-10-30	
Selenium, total	0.00062	0.00050	mg/L	2025-10-30	
Silicon, total	5.4	1.0	mg/L	2025-10-30	
Silver, total	< 0.000050	0.000050	mg/L	2025-10-30	
Sodium, total	4.16	0.10	mg/L	2025-10-30	
Strontium, total	0.117	0.0010	mg/L	2025-10-30	
Sulfur, total	< 3.0	3.0	mg/L	2025-10-30	
Tellurium, total	< 0.00050	0.00050	mg/L	2025-10-30	
Thallium, total	< 0.000020	0.000020	mg/L	2025-10-30	
Thorium, total	< 0.00010	0.00010	mg/L	2025-10-30	
Tin, total	0.00041	0.00020	mg/L	2025-10-30	
Titanium, total	< 0.0050	0.0050	mg/L	2025-10-30	
Tungsten, total	< 0.0010	0.0010	mg/L	2025-10-30	
Uranium, total	0.000240	0.000020	mg/L	2025-10-30	
Vanadium, total	< 0.0050	0.0050	mg/L	2025-10-30	
Zinc, total	0.0149	0.0040	mg/L	2025-10-30	
Zirconium, total	< 0.00010	0.00010	mg/L	2025-10-30	
Volatile Organic Compounds (VOC)					
Bromodichloromethane	< 0.0010	0.0010	mg/L	2025-10-29	
Bromoform	< 0.0010	0.0010	mg/L	2025-10-29	
Chloroform	< 0.0010	0.0010	mg/L	2025-10-29	
Dibromochloromethane	< 0.0010	0.0010		2025-10-29	
Surrogate: Toluene-d8	89	70-130	%	2025-10-29	
Surrogate: 4-Bromofluorobenzene	72	70-130	%	2025-10-29	

Sample Qualifiers:

CST2 High breakthrough noted. Further dilution not possible as the AOX result is close to the method detection limit. Breakthrough exceeds reporting requirements per reference method.

F3 Results may be biased low due to sub-sampling from general container.

HT3 Microbiological analysis was initiated beyond the maximum holding time of 30 hours. Results may not be valid.



APPENDIX 1: SUPPORTING INFORMATION

REPORTED TO Prince George, City of - Pump Station

PROJECT Raw Water - PW 605

WORK ORDER REPORTED

25J3217 2025-11-07 16:02

Analysis Description	Method Ref.	Technique	Accredited	Location
Adsorbable Organic Halides in Water	PAPTAC/ISO - low level	Adsorption, Coulometric Titration		Sublet
Alkalinity in Water	SM 2320 B* (2021)	Titration with H2SO4	✓	Richmond
Ammonia, Total in Water	SM 4500-NH3 G* Automated Colorimetry (Phenate) (2021)		✓	Kelowna
Anions in Water	SM 4110 B (2020)	Ion Chromatography	✓	Richmond
Carbon, Total Organic in Water	SM 5310 B (2022)	Combustion, Infrared CO2 Detection	✓	Kelowna
Coliforms, Fecal in Water	NA / SM 9223 (2016)	Quanti-Tray / Enzyme Substrate Endo Agar	✓	Richmond
Coliforms, Total in Water	NA / SM 9223 (2016)	Quanti-Tray / Enzyme Substrate Endo Agar	✓	Richmond
Dissolved Metals in Water	EPA 200.8 / EPA 6020B	0.45 µm Filtration / Inductively Coupled Plasma-Mass Spectroscopy (ICP-MS)	✓	Richmond
E. coli in Water	NA / SM 9223 (2016)	Quanti-Tray / Enzyme Substrate Endo Agar	✓	Richmond
Hardness in Water	SM 2340 B (2021)	Calculation: 2.497 [diss Ca] + 4.118 [diss Mg]	✓	N/A
Hardness in Water	SM 2340 B* (2021)	Calculation: 2.497 [total Ca] + 4.118 [total Mg] (Est)	✓	N/A
Mercury, dissolved in Water	EPA 245.7*	BrCl2 Oxidation / Cold Vapor Atomic Fluorescence Spectrometry (CVAFS)	✓	Richmond
Mercury, total in Water	EPA 245.7*	BrCl2 Oxidation / Cold Vapor Atomic Fluorescence Spectrometry (CVAFS)	✓	Richmond
Nitrogen, Total Kjeldahl in Water	SM 4500-Norg D* (2021)	Block Digestion and Flow Injection Analysis	✓	Kelowna
Phosphorus, Dissolved Reactive in Water	SM 4500-P E (2021)	Colorimetry (Ascorbic Acid)	✓	Richmond
Solids, Total Suspended in Water	SM 2540 D* (2020)	Gravimetry (Dried at 103-105C)	✓	Richmond
Total Metals in Water	EPA 200.2 / EPA 6020B	HNO3+HCl Hot Block Digestion / Inductively Coupled Plasma-Mass Spectroscopy (ICP-MS)	✓	Richmond
Trihalomethanes in Water	EPA 5030B / EPA 8260D	Purge&Trap / GC-MSD (SIM)	✓	Richmond

Glossary of Terms:

RL Reporting Limit (default)

Less than the specified Reporting Limit (RL) - the actual RL may be higher than the default RL due to various factors

mg/L Milligrams per litre

MPN/100 mL Most Probable Number per 100 millilitres

μg/L Micrograms per litre

EPA United States Environmental Protection Agency Test Methods

PAPTAC Pulp and Paper Technical Association of Canada Standard Test Methods

SM Standard Methods for the Examination of Water and Wastewater, American Public Health Association



APPENDIX 1: SUPPORTING INFORMATION

REPORTED TO Prince George, City of - Pump Station

PROJECT Raw Water - PW 605

WORK ORDER

25J3217

REPORTED 20

2025-11-07 16:02

General Comments:

The results in this report apply to samples received by CARO and analyzed in accordance with the Chain of Custody document. This analytical report must be reproduced in its entirety and must not be modified. CARO is not responsible for losses or damages resulting directly or indirectly from errors or omissions in the conduct of the testing. Any liability is limited to the cost of analysis. CARO will dispose of all samples within 30 days of sample receipt, unless otherwise agreed.

Results in **Bold** indicate values that are above CARO's method reporting limits. Results in **red** indicate values above the regulatory limits where these have been included. Any Bold and/or highlighted results do <u>not</u> take into account method uncertainty. If you would like method uncertainty or regulatory limits to be included on your report, please contact your Account Manager: hhannaoui@caro.ca

Regulatory limits are added to test reports on request and are as a convenience only. While CARO makes every effort to ensure accuracy of regulatory limits, CARO assumes no liability for the use of this information. It remains the client's responsibility to ensure that regulatory limits are correct for their circumstances.



REPORTED TO Prince George, City of - Pump Station

PROJECT Raw Water - PW 605

WORK ORDER REPORTED

25J3217 2025-11-07 16:02

The following section displays the quality control (QC) data that is associated with your sample data. Groups of samples are prepared in "batches" and analyzed in conjunction with QC samples that ensure your data is of the highest quality. Common QC types include:

- **Method Blank (Blk)**: A blank sample that undergoes sample processing identical to that carried out for the test samples. Method blank results are used to assess contamination from the laboratory environment and reagents.
- **Duplicate (Dup)**: An additional or second portion of a randomly selected sample in the analytical run carried through the entire analytical process. Duplicates provide a measure of the analytical method's precision (reproducibility).
- Blank Spike (BS): A sample of known concentration which undergoes processing identical to that carried out for test samples, also
 referred to as a laboratory control sample (LCS). Blank spikes provide a measure of the analytical method's accuracy.
- Matrix Spike (MS): A second aliquot of sample is fortified with a known concentration of target analytes and carried through the entire analytical process. Matrix spikes evaluate potential matrix effects that may affect the analyte recovery.
- Reference Material (SRM): A homogenous material of similar matrix to the samples, certified for the parameter(s) listed.
 Reference Materials ensure that the analytical process is adequate to achieve acceptable recoveries of the parameter(s) tested.

Each QC type is analyzed at a 5-10% frequency, i.e. one blank/duplicate/spike for every 10-20 samples. For all types of QC, the specified recovery (% Rec) and relative percent difference (RPD) limits are derived from long-term method performance averages and/or prescribed by the reference method.

Analyte	Result	RL Units	Spike Level	Source Result	% REC	REC Limit	% RPD	RPD Limit	Qualifier
Anions, Batch B5J4773									
Blank (B5J4773-BLK1)			Prepared	d: 2025-10-2	26, Analyze	d: 2025-	10-26		
Bromide	< 0.1	0.1 mg/L							
Chloride	< 0.10	0.10 mg/L							
Fluoride	< 0.10	0.10 mg/L							
Nitrate (as N)	< 0.010	0.010 mg/L							
Nitrite (as N)	< 0.010	0.010 mg/L							
Sulfate	< 1.0	1.0 mg/L							
Blank (B5J4773-BLK2)			Prepared	d: 2025-10-2	26, Analyze	d: 2025-	10-26		
Bromide	< 0.1	0.1 mg/L							
Chloride	< 0.10	0.10 mg/L							
Fluoride	< 0.10	0.10 mg/L							
Nitrate (as N)	< 0.010	0.010 mg/L							
Nitrite (as N)	< 0.010	0.010 mg/L							
Sulfate	< 1.0	1.0 mg/L							
LCS (B5J4773-BS1)			Prepared	d: 2025-10-2	26, Analyze	d: 2025-	10-26		
Bromide	8.9	0.1 mg/L	10.0		89	85-115			
Chloride	2.45	0.10 mg/L	3.00		82	85-115			SPK1
Fluoride	1.90	0.10 mg/L	2.00		95	85-115			
Nitrate (as N)	2.75	0.010 mg/L	3.00		92	85-115			
Nitrite (as N)	2.79	0.010 mg/L	3.00		93	85-115			
Sulfate	14.6	1.0 mg/L	15.0		97	85-115			
LCS (B5J4773-BS2)			Prepared	d: 2025-10-2	26, Analyze	d: 2025-	10-26		
Bromide	9.2	0.1 mg/L	10.0		92	85-115			
Chloride	2.51	0.10 mg/L	3.00		84	85-115			SPK1
Fluoride	1.80	0.10 mg/L	2.00		90	85-115			
Nitrate (as N)	2.75	0.010 mg/L	3.00		92	85-115			
Nitrite (as N)	2.69	0.010 mg/L	3.00		90	85-115			
Sulfate	14.5	1.0 mg/L	15.0		97	85-115			

Dissolved Metals, Batch B5J4756

. ._______

Blank (B5J4756-BLK1)			Prepared: 2025-10-25, Analyzed: 2025-10-25
Aluminum, dissolved	< 0.0050	0.0050 mg/L	
Antimony, dissolved	< 0.00020	0.00020 mg/L	



REPORTED TO Prince Geor	ge, City of - Pump Station Wo	ORK ORDER 25J3217	
PROJECT Raw Water	- PW 605	PORTED 2025-11-0	07 16:02

Analyte	Result	RL Unit	Spike Level	Source Result	% REC	REC Limit	% RPD	RPD Limit	Qualifi
Dissolved Metals, Batch B5J4756, Co	ontinued								
Blank (B5J4756-BLK1), Continued			Prepared	l: 2025-10-2	25, Analyze	d: 2025-	10-25		
Arsenic, dissolved	< 0.00050	0.00050 mg/L	· · · · · · · · · · · · · · · · · · ·		•				
Barium, dissolved	< 0.0050	0.0050 mg/L							
Beryllium, dissolved	< 0.00010	0.00010 mg/L							
Bismuth, dissolved	< 0.00010	0.00010 mg/L							
Boron, dissolved	< 0.0500	0.0500 mg/L							
Cadmium, dissolved	< 0.000010	0.000010 mg/L							
Calcium, dissolved	< 0.20	0.20 mg/L							
Chromium, dissolved	< 0.00050	0.00050 mg/L							
Cobalt, dissolved	< 0.00010	0.00010 mg/L							
Copper, dissolved	< 0.00040	0.00040 mg/L							
ron, dissolved	< 0.010	0.010 mg/L							
Lead, dissolved	< 0.00020	0.00020 mg/L							
Lithium, dissolved	< 0.00010	0.00010 mg/L							
Magnesium, dissolved	< 0.010	0.010 mg/L							
Manganese, dissolved	< 0.00020	0.00020 mg/L							
Molybdenum, dissolved	< 0.00010	0.00010 mg/L							
Nickel, dissolved	< 0.00040	0.00040 mg/L							
Phosphorus, dissolved	< 0.050	0.050 mg/L							
Potassium, dissolved	< 0.10	0.10 mg/L							
Selenium, dissolved	< 0.00050	0.00050 mg/L							
Silicon, dissolved	< 1.0	1.0 mg/L							
Silver, dissolved	< 0.000050	0.000050 mg/L							
Sodium, dissolved	< 0.10	0.10 mg/L							
Strontium, dissolved	< 0.0010	0.0010 mg/L							
Sulfur, dissolved	< 3.0	3.0 mg/L							
Tellurium, dissolved	< 0.00050	0.00050 mg/L							
Thallium, dissolved	< 0.000020	0.000020 mg/L							
Thorium, dissolved	< 0.00010	0.00010 mg/L							
Tin, dissolved	< 0.00020	0.00020 mg/L							
Titanium, dissolved	< 0.0050	0.0050 mg/L							
Tungsten, dissolved	< 0.0010	0.0010 mg/L							
Uranium, dissolved	< 0.000020	0.000020 mg/L							
Vanadium, dissolved	< 0.0050	0.0050 mg/L							
Zinc, dissolved	< 0.0040	0.0040 mg/L							
Zirconium, dissolved	< 0.00010	0.00010 mg/L							
00 (DE 14750 DO4)			Dranaraa	I. 2025 40 C	DE Analysa	4. 202E	10.05		
LCS (B5J4756-BS1)				l: 2025-10-2			10-25		
Aluminum, dissolved	3.98	0.0050 mg/L	4.00		99	80-120			
Antimony, dissolved	0.0387	0.00020 mg/L	0.0400		97	80-120			
Arsenic, dissolved	0.389	0.00050 mg/L	0.400		97	80-120			
Barium, dissolved	0.0404	0.0050 mg/L	0.0400		101	80-120			
Beryllium, dissolved	0.0408	0.00010 mg/L	0.0400		102	80-120			
Bismuth, dissolved	0.0385	0.00010 mg/L	0.0400		96	80-120			
Boron, dissolved	0.408	0.0500 mg/L	0.400		102	80-120			
Cadmium, dissolved	0.0385	0.000010 mg/L	0.0400		96	80-120			
Calcium, dissolved	4.02	0.20 mg/L	4.00		101	80-120			
Chromium, dissolved	0.0397	0.00050 mg/L	0.0400		99	80-120			
Cobalt, dissolved	0.0396	0.00010 mg/L	0.0400		99	80-120			
Copper, dissolved	0.0400	0.00040 mg/L	0.0400		100	80-120			
ron, dissolved	3.97	0.010 mg/L	4.00		99	80-120			
_ead, dissolved	0.0397	0.00020 mg/L	0.0400		99	80-120			
Lithium, dissolved	0.0415	0.00010 mg/L	0.0400		104	80-120			
Magnesium, dissolved	3.91	0.010 mg/L	4.00		98	80-120			
Manganese, dissolved	0.0400	0.00020 mg/L	0.0400		100	80-120			
Molybdenum, dissolved	0.0394	0.00010 mg/L	0.0400		99	80-120			
Nickel, dissolved	0.0395	0.00040 mg/L	0.0400		99	80-120			



	eorge, City of - Pump S ter - PW 605	tation			WORK REPOR	ORDER RTED		3217 5-11-07	16:02
Analyte	Result	RL Units	Spike Level	Source Result	% REC	REC Limit	% RPD	RPD Limit	Qualifie
Dissolved Metals, Batch B5J4	1756, Continued								
LCS (B5J4756-BS1), Continue	ed		Prepared	: 2025-10-2	5, Analyze	ed: 2025-1	10-25		
Phosphorus, dissolved	3.95	0.050 mg/L	4.00		99	80-120			
Potassium, dissolved	4.07	0.10 mg/L	4.00		102	80-120			
Selenium, dissolved	0.385	0.00050 mg/L	0.400		96	80-120			
Silicon, dissolved	3.9	1.0 mg/L	4.00		98	80-120			
Silver, dissolved	0.0379	0.000050 mg/L	0.0400		95	80-120			
Sodium, dissolved	3.94	0.10 mg/L	4.00		98	80-120			
Strontium, dissolved	0.0399	0.0010 mg/L	0.0400		100	80-120			
Sulfur, dissolved	39.4	3.0 mg/L	40.0		99	80-120			
Tellurium, dissolved	0.0369	0.00050 mg/L	0.0400		92	80-120			
Thallium, dissolved	0.0398	0.000020 mg/L	0.0400		99	80-120			
Thorium, dissolved	0.0389	0.00010 mg/L	0.0400		97	80-120			
Tin, dissolved	0.0395	0.00020 mg/L	0.0400		99	80-120			
Titanium, dissolved	0.0389	0.0050 mg/L	0.0400		97	80-120			
Tungsten, dissolved	0.0387	0.0010 mg/L	0.0400		97	80-120			
Uranium, dissolved	0.0395	0.000020 mg/L	0.0400		99	80-120			
Vanadium, dissolved	0.0393	0.0050 mg/L	0.0400		98	80-120			
Zinc, dissolved	0.391	0.0040 mg/L	0.400		98	80-120			
Zirconium, dissolved	0.0390	0.00010 mg/L	0.0400		97	80-120			
Blank (B5J5195-BLK1) Mercury, dissolved	< 0.000010	0.000010 mg/L	Prepared	: 2025-10-2	9, Analyze	ed: 2025-1	10-29		
Blank (B5J5195-BLK2)			Prepared	: 2025-10-2	9, Analyze	ed: 2025-1	10-29		
Mercury, dissolved	< 0.000010	0.000010 mg/L	· ·						
LCS (B5J5195-BS1)			Prepared	: 2025-10-2	9, Analyze	ed: 2025-1	10-29		
Mercury, dissolved	0.00268	0.000010 mg/L	0.00250		107	80-120			
LCS (B5J5195-BS2)			Prepared	: 2025-10-2	9, Analyze	ed: 2025-1	10-29		
Mercury, dissolved	0.00261	0.000010 mg/L	0.00250		104	80-120			
General Parameters, Batch B	5J4626								
Blank (B5J4626-BLK1)			Prepared	: 2025-10-2	4, Analyze	ed: 2025-1	10-26		
Carbon, Total Organic	< 0.50	0.50 mg/L							
Blank (B5J4626-BLK2)			Prepared	: 2025-10-2	4, Analyze	ed: 2025-1	10-26		
Carbon, Total Organic	< 0.50	0.50 mg/L							
Blank (B5J4626-BLK3)			Prepared	: 2025-10-2	5, Analyze	ed: 2025-1	10-26		
Carbon, Total Organic	< 0.50	0.50 mg/L							
LCS (B5J4626-BS1)				: 2025-10-2			10-26		
Carbon, Total Organic	9.73	0.50 mg/L	10.0		97	78-116			
LCS (B5J4626-BS2)			Prepared	: 2025-10-2	4, Analyze	ed: 2025-1	10-26		
Carbon, Total Organic	9.44	0.50 mg/L	10.0		94	78-116			
LCS (B5J4626-BS3)			Prepared	: 2025-10-2	5, Analyze	ed: 2025-1	10-26		
Carbon, Total Organic	9.45	0.50 mg/L	10.0		94	78-116			

General Parameters, Batch B5J4707



									(
	ince George, City of w Water - PW 605	- Pump Sta	ation			WORK REPOR	ORDER	25J3 2025	217 5-11-07	16:02
Analyte		Result	RL Units	Spike Level	Source Result	% REC	REC Limit	% RPD	RPD Limit	Qualifie
General Parameters, B	atch B5J4707, Contin	ued								
Blank (B5J4707-BLK1)				Prepared	: 2025-10-24	I, Analyze	ed: 2025-1	0-24		
Phosphorus, Dissolved Re	active	< 0.0050	0.0050 mg/L							
LCS (B5J4707-BS1)				Prepared	: 2025-10-24	I, Analyze	ed: 2025-1	0-24		
Phosphorus, Dissolved Re	active	0.0394	0.0050 mg/L	0.0320		123	75-125			
Duplicate (B5J4707-DU	IP1)	Soi	urce: 25J3217-01	Prepared	: 2025-10-24	1 Analyze	ed: 2025-1	0-24		
Phosphorus, Dissolved Re	•	0.0072	0.0050 mg/L	1 Toparou	0.0068	,,, alaiy20	-G. 2020 1	<u> </u>	10	
				Dropared	: 2025-10-24	1 Apolyzo	d: 2025 1	0.24		
Matrix Spike (B5J4707- Phosphorus, Dissolved Re	· · · · · · · · · · · · · · · · · · ·	0.0469	0.0050 mg/L	0.0320	0.0068	125	75-125	0-24		
General Parameters, B Blank (B5J4898-BLK1)	atch B5J4898			Prepared	: 2025-10-28	3, Analyze	ed: 2025-1	0-28		
Ammonia, Total (as N)		< 0.050	0.050 mg/L							
Blank (B5J4898-BLK2)				Prepared	: 2025-10-28	3, Analyze	ed: 2025-1	0-28		
Ammonia, Total (as N)		< 0.050	0.050 mg/L							
LCS (B5J4898-BS1)				Prepared	: 2025-10-28	3, Analyze	ed: 2025-1	0-28		
Ammonia, Total (as N)		0.967	0.050 mg/L	1.00		97	85-115			
LCS (B5J4898-BS2)				Prepared	: 2025-10-28	3, Analyze	ed: 2025-1	0-28		
Ammonia, Total (as N)		0.950	0.050 mg/L	1.00		95	85-115			
General Parameters, B Blank (B5J4941-BLK1)	atch B5J4941			Prepared	: 2025-10-27	⁷ , Analyze	ed: 2025-1	0-27		
Alkalinity, Total (as CaCO3	,	< 1.0	1.0 mg/L							
Alkalinity, Phenolphthalein	· /	< 1.0	1.0 mg/L							
Alkalinity, Bicarbonate (as Alkalinity, Carbonate (as C		< 1.0 < 1.0	1.0 mg/L 1.0 mg/L							
Alkalinity, Hydroxide (as Ca		< 1.0	1.0 mg/L							
LCS (B5J4941-BS1)				Prepared	: 2025-10-27	7. Analvze	ed: 2025-1	0-27		
Alkalinity, Total (as CaCO3)	96.2	1.0 mg/L	100		•	80-120			
LCS (B5J4941-BS2)	,		<u> </u>		: 2025-10-27			0_27		
Alkalinity, Total (as CaCO3	1	91.8	1.0 mg/L	100	. 2025-10-21	92	80-120	0-21		
General Parameters, B		31.0	1.5 mg/L	100		- JZ	00-120			
Blank (B5J4955-BLK1)				Prepared	: 2025-10-27	, Analyze	ed: 2025-1	0-28		
Nitrogen, Total Kjeldahl		< 0.050	0.050 mg/L							
Blank (B5J4955-BLK2)			-	Prepared	: 2025-10-27	7. Analvze	ed: 2025-1	0-28		
Nitrogen, Total Kjeldahl		< 0.050	0.050 mg/L	. ropurou		, , , , , , , , , , , , , , , , , , , ,	0_0 1			
-			· · · · · · · · · · · · · · · · ·	Droporod	. 2025 40 2	7 Apolyza	d 2025 4	U-38		
Nitrogen Total Kieldahl		0.997	0.050 mg/l	1.00	: 2025-10-27	100	85-115	U-20		
Nitrogen, Total Kjeldahl		0.991	0.050 mg/L		0005 10 5			0.00		
LCS (B5J4955-BS2)		0.000	0.055 "		: 2025-10-27			U-28		
Nitrogen, Total Kjeldahl		0.968	0.050 mg/L	1.00		97	85-115			

General Parameters, Batch B5J5059



									1		
REPORTED TO Prince George, Raw Water - PV		City of - Pump Station W 605				WORK ORDER REPORTED		25J3217 2025-11-07 16:02			
Analyte		Result	RL	Units	Spike Level	Source Result	% REC	REC Limit	% RPD	RPD Limit	Qualifie
General Parameter	s, Batch B5J5059, Conti	nued									
Blank (B5J5059-B	LK1)				Prepared:	2025-10-28	Analyzed	l: 2025-1	0-28		
Solids, Total Suspend	ded	< 2.0	2.0	mg/L							
Blank (B5J5059-B	I K2\				Dranarad:	2025-10-28	Analyzed	I· 2025_1	U-38		
Solids, Total Suspend		< 2.0	2.0		г герагец.	2025-10-20	, Allalyzeu	1. 2025-1	0-20		
Solius, Total Suspend	1 0 4	\ 2.0	2.0	mg/L							
LCS (B5J5059-BS	1)				Prepared:	2025-10-28	, Analyzed	l: 2025-1	0-28		
Solids, Total Suspend	ded	87.0	5.0	mg/L	100		87	83-107			
LCS (B5J5059-BS	2)				Prepared:	2025-10-28	Analvzed	l: 2025-1	0-28		
Solids, Total Suspend	•	84.0	5.0	mg/L	100		84	83-107			
Condo, Total Caopone		01.0	0.0	g/ <u></u>	100			00 101			
Microbiological Pa	rameters, Batch B5J472	6									
Blank (B5J4726-B	LK1)				Prepared:	2025-10-24	Analyzed	l: 2025 - 1	0-24		
Coliforms, Total (Q-Ti	ray)	< 1	1	MPN/100 mL							
E. coli (Q-Tray)		< 1	1	MPN/100 mL							
Coliforms, Fecal (Q-T	ray)	<1	1	MPN/100 mL							
Total Metals, Batch	h B5J5195										
Blank (B5J5195-B	LK1)				Prepared:	2025-10-29	Analyzed	l: 2025-1	0-29		
Mercury, total		< 0.000010	0.000010	mg/L							
Blank (B5J5195-B	I K2)				Prepared:	2025-10-29	Analyzed	· 2025-1	0-29		
Mercury, total	· · · · · · · · · · · · · · · · · · ·	< 0.000010	0.000010		г горагоа.	2020 10 20	7 111017200	. 2020			
·		× 0.000010	0.000010								
LCS (B5J5195-BS	1)				Prepared:	2025-10-29	Analyzed	l: 2025-1	0-29		
Mercury, total		0.00268	0.000010	mg/L	0.00250		107	80-120			
LCS (B5J5195-BS	2)				Prepared:	2025-10-29	Analyzed	l: 2025-1	0-29		
Mercury, total	,	0.00261	0.000010		0.00250			80-120			
<u> </u>	E DUDO)					0005 40 00			0.00		
Duplicate (B5J519	<u> </u>		ource: 25J32		Prepared:	2025-10-29	, Anaiyzed	1: 2025-1	0-29		
Mercury, total	•	< 0.000010	0.000010	mg/L		< 0.000010				20	
Total Metals, Batc	h B5J5294										
Blank (B5J5294-B	LK1)				Prepared:	2025-10-29	, Analyzed	l: 2025-1	0-30		
Aluminum, total		< 0.0050	0.0050	mg/L							
Antimony, total		< 0.00020	0.00020								
Arsenic, total		< 0.00050	0.00050								
Barium, total		< 0.0050	0.0050								
Beryllium, total		< 0.00010	0.00010								
Bismuth, total		< 0.00010	0.00010								
Boron, total Cadmium, total		< 0.0500	0.0500								
Cadmium, total	•	< 0.000010	0.000010								
Chromium, total		< 0.20	0.00050								
Cobalt, total		< 0.00010	0.00030								
Copper, total		< 0.00040	0.00040								
Iron total		< 0.010	0.010								

Iron, total

0.010 mg/L

< 0.010



REPORTED TO PROJECT	Prince George, City of - Pump S Raw Water - PW 605	Station			WORK ORDER REPORTED		25J3217 2025-11-07		16:02	
Analyte	Result	RL Units	Spike Level	Source Result	% REC	REC Limit	% RPD	RPD Limit	Qualifier	
Total Metals, Batc	h B5J5294, Continued									
Blank (B5J5294-B	LK1), Continued		Prepared	l: 2025-10-2	9, Analyze	d: 2025-1	0-30			
Lead, total	< 0.00020	0.00020 mg/L								
Lithium, total	< 0.00010	0.00010 mg/L								
Magnesium, total	< 0.010	0.010 mg/L								
Manganese, total	< 0.00020	0.00020 mg/L								
Molybdenum, total	< 0.00010	0.00010 mg/L								
Nickel, total	< 0.00040	0.00040 mg/L								
Phosphorus, total	< 0.050	0.050 mg/L								
Potassium, total	< 0.10	0.10 mg/L								
Selenium, total	< 0.00050	0.00050 mg/L								
Silicon, total	< 1.0	1.0 mg/L								
Silver, total	< 0.000050	0.000050 mg/L								
Sodium, total	< 0.10	0.10 mg/L								
Strontium, total	< 0.0010	0.0010 mg/L								
Sulfur, total Tellurium, total	< 3.0 < 0.00050	3.0 mg/L 0.00050 mg/L								
Thallium, total	< 0.00030	0.00000 mg/L								
Thorium, total	< 0.00010	0.000020 mg/L								
Tin, total	< 0.00010	0.00010 flig/L 0.00020 mg/L								
Titanium, total	< 0.0050	0.0050 mg/L								
Tungsten, total	< 0.0010	0.0000 mg/L								
Uranium, total	< 0.000020	0.000020 mg/L								
Vanadium, total	< 0.0050	0.0050 mg/L								
Zinc, total	< 0.0040	0.0040 mg/L								
Zirconium, total	< 0.00010	0.00010 mg/L								
LCS (B5J5294-BS	1)		Prepared	l: 2025-10-2	9, Analyze	d: 2025-1	0-30			
Aluminum, total	3.87	0.0050 mg/L	4.00		97	80-120				
Antimony, total	0.0376	0.00020 mg/L	0.0400		94	80-120				
Arsenic, total	0.389	0.00050 mg/L	0.400		97	80-120				
Barium, total	0.0388	0.0050 mg/L	0.0400		97	80-120				
Beryllium, total	0.0392	0.00010 mg/L	0.0400		98	80-120				
Bismuth, total	0.0385	0.00010 mg/L	0.0400		96	80-120				
Boron, total	0.393	0.0500 mg/L	0.400		98	80-120				
Cadmium, total	0.0391	0.000010 mg/L	0.0400		98	80-120				
Calcium, total	3.96	0.20 mg/L	4.00		99	80-120				
Chromium, total	0.0396	0.00050 mg/L	0.0400		99	80-120				
Cobalt, total	0.0414	0.00010 mg/L	0.0400		103	80-120				
Copper, total	0.0399	0.00040 mg/L	0.0400		100	80-120				
Iron, total	3.98	0.010 mg/L	4.00		99	80-120				
Lead, total	0.0389	0.00020 mg/L	0.0400		97	80-120				
Lithium, total	0.0393	0.00010 mg/L	0.0400		98	80-120				
Magnesium, total	3.95	0.010 mg/L	4.00		99	80-120				
Manganese, total	0.0392	0.00020 mg/L	0.0400		98	80-120				
Molybdenum, total	0.0395 0.0393	0.00010 mg/L 0.00040 mg/L	0.0400		99	80-120 80-120				
Nickel, total Phosphorus, total	3.91	0.00040 mg/L 0.050 mg/L	0.0400 4.00		98 98	80-120				
Potassium, total	3.94	0.030 Hig/L 0.10 mg/L	4.00		99	80-120				
Selenium, total	0.399	0.00050 mg/L	0.400		100	80-120				
Silicon, total	3.8	1.0 mg/L	4.00		96	80-120				
Silver, total	0.0391	0.000050 mg/L	0.0400		98	80-120				
Sodium, total	3.93	0.10 mg/L	4.00		98	80-120				
Strontium, total	0.0391	0.0010 mg/L	0.0400		98	80-120				
Sulfur, total	41.3	3.0 mg/L	40.0		103	80-120				
Tellurium, total	0.0372	0.00050 mg/L	0.0400		93	80-120				
Thallium, total	0.0407	0.000020 mg/L	0.0400		102	80-120				
Thorium, total	0.0395	0.00010 mg/L	0.0400		99	80-120				



REPORTED TO	Prince George, City of - Pump Station	WORK ORDER	25J3217
PROJECT	Raw Water - PW 605	REPORTED	2025-11-07 16:02

Analyte	Result	RL Units	Spike Level	Source Result	% REC	REC Limit	% RPD	RPD Limit	Qualifier
Total Metals, Batch B5J5294, Continued									
LCS (B5J5294-BS1), Continued			Prepared	l: 2025-10-2	9, Analyze	d: 2025-	10-30		
Tin, total	0.0386	0.00020 mg/L	0.0400		97	80-120			_
Titanium, total	0.0397	0.0050 mg/L	0.0400		99	80-120			
Tungsten, total	0.0403	0.0010 mg/L	0.0400		101	80-120			
Uranium, total	0.0402	0.000020 mg/L	0.0400		100	80-120			
Vanadium, total	0.0401	0.0050 mg/L	0.0400		100	80-120			
Zinc, total	0.391	0.0040 mg/L	0.400		98	80-120			
Zirconium, total	0.0394	0.00010 mg/L	0.0400		99	80-120			

Volatile Organic Compounds (VOC), Batch B5J5101

Blank (B5J5101-BLK1)	Prepared: 2025-10-28, Analyzed: 2025-10-28					
Bromodichloromethane	< 0.0010	0.0010 mg/L				
Bromoform	< 0.0010	0.0010 mg/L				
Chloroform	< 0.0010	0.0010 mg/L				
Dibromochloromethane	< 0.0010	0.0010 mg/L				
Surrogate: Toluene-d8	0.0214	mg/L	0.0250	86	70-130	
Surrogate: 4-Bromofluorobenzene	0.0180	mg/L	0.0249	72	70-130	
LCS (B5J5101-BS1)			Prepared: 2025	5-10-28, Analyze	ed: 2025-10-28	
Bromodichloromethane	0.0163	0.0010 mg/L	0.0198	82	70-130	
Bromoform	0.0176	0.0010 mg/L	0.0200	88	70-130	
Chloroform	0.0170	0.0010 mg/L	0.0198	86	70-130	
Dibromochloromethane	0.0169	0.0010 mg/L	0.0200	84	70-130	
Surrogate: Toluene-d8	0.0218	mg/L	0.0250	87	70-130	
Surrogate: 4-Bromofluorobenzene	0.0215	mg/L	0.0249	86	70-130	

QC Qualifiers:

SPK1 The recovery of this analyte was outside of established control limits. The data was accepted based on performance of other batch QC.