

CERTIFICATE OF ANALYSIS

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.

REPORTED TO Prince George, City of - Pump Station

> 1100 Patricia Boulevard Prince George, BC V2L 3v9

ATTENTION Cheyenne Magee **WORK ORDER** 23D1917

PO NUMBER

2023-04-19 09:45 / 11.3°C **RECEIVED / TEMP** Raw Water - PW 601 **REPORTED** 2023-05-08 13:04 **PROJECT**

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

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

We've Got Chemistry

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

Through research, regulation and instrumentation, knowledge, are your analytical centre the knowledge technical you BEFORE you need it, so you can stay up to date and in the know.

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 pmand@caro.ca

Authorized By:

Preena Mand

Client Service Team Lead

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TEST RESULTS

REPORTED TO	Prince George, City of - Pump Station	WORK ORDER	23D1917
PROJECT	Raw Water - PW 601	REPORTED	2023-05-08 13:04

Analyte	Result	RL	Units	Analyzed	Qualifier
PW 601 (23D1917-01) Matrix: Water	Sampled: 2023-04-18 12:00				
Anions					
Bromide	< 0.10	0.10	mg/L	2023-04-20	
Chloride	9.93	0.10	mg/L	2023-04-20	
Fluoride	< 0.10	0.10	mg/L	2023-04-20	
Nitrate (as N)	0.150	0.010	mg/L	2023-04-20	
Nitrite (as N)	< 0.010	0.010	mg/L	2023-04-20	
Phosphate (as P)	< 0.0050	0.0050	mg/L	2023-04-20	
Sulfate	14.1		mg/L	2023-04-20	
Calculated Parameters					
Total Trihalomethanes	< 0.00400	0.00400	mg/L	N/A	
Hardness, Dissolved (as CaCO3)	177	0.500		N/A	
Nitrate+Nitrite (as N)	0.150	0.0100		N/A	
Nitrogen, Total	0.150	0.0500		N/A	
Dissolved Metals					
Aluminum, dissolved	< 0.0050	0.0050	ma/l	2023-04-23	
Antimony, dissolved	0.00022	0.00020		2023-04-23	
Arsenic, dissolved	< 0.00050	0.00050		2023-04-23	
Barium, dissolved	0.0287	0.0050		2023-04-23	
Beryllium, dissolved	< 0.00010	0.00010		2023-04-23	
Bismuth, dissolved	< 0.00010	0.00010		2023-04-23	
Boron, dissolved	< 0.0500	0.0500		2023-04-23	
Cadmium, dissolved	0.000014	0.000010		2023-04-23	
Calcium, dissolved	47.4		mg/L	2023-04-23	
Chromium, dissolved	< 0.00050	0.00050		2023-04-23	
Cobalt, dissolved	< 0.00010	0.00010		2023-04-23	
Copper, dissolved	0.00098	0.00040		2023-04-23	
Iron, dissolved	< 0.010	0.010		2023-04-23	
Lead, dissolved	< 0.00020	0.00020		2023-04-23	
Lithium, dissolved	0.00127	0.00010		2023-04-23	
Magnesium, dissolved	14.1	0.010		2023-04-23	
Manganese, dissolved	0.0119	0.00020		2023-04-23	
Mercury, dissolved	< 0.000010	0.000010		2023-04-24	
Molybdenum, dissolved	0.00116	0.00010		2023-04-23	
Nickel, dissolved	< 0.00040	0.00040		2023-04-23	
Phosphorus, dissolved	< 0.050	0.050		2023-04-23	
Potassium, dissolved	1.72		mg/L	2023-04-23	
Selenium, dissolved	0.00161	0.00050		2023-04-23	
Silicon, dissolved	6.4		mg/L	2023-04-23	
Silver, dissolved	< 0.000050	0.000050		2023-04-23	
Sodium, dissolved	4.77		mg/L	2023-04-23	
Strontium, dissolved	0.207	0.0010		2023-04-23	
Sulfur, dissolved	4.8		mg/L	2023-04-23	
Tellurium, dissolved	< 0.00050	0.00050		2023-04-23	
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TEST RESULTS

PROJECT Prince George, City of Raw Water - PW 601	f - Pump Station		WORK ORDER REPORTED	23D1917 2023-05-08 13:04		
Analyte	Result	RL	Units	Analyzed	Qualifier	
PW 601 (23D1917-01) Matrix: Water S	ampled: 2023-04-18 12:00,	Continued				
Dissolved Metals, Continued						
Thallium, dissolved	< 0.000020	0.000020	mg/L	2023-04-23		
Thorium, dissolved	< 0.00010	0.00010	mg/L	2023-04-23		
Tin, dissolved	< 0.00020	0.00020	mg/L	2023-04-23		
Titanium, dissolved	< 0.0050	0.0050	mg/L	2023-04-23		
Tungsten, dissolved	< 0.0010	0.0010	mg/L	2023-04-23		
Uranium, dissolved	0.000476	0.000020	mg/L	2023-04-23		
Vanadium, dissolved	< 0.0050	0.0050	mg/L	2023-04-23		
Zinc, dissolved	0.0046	0.0040	mg/L	2023-04-23		
Zirconium, dissolved	< 0.00010	0.00010	mg/L	2023-04-23		
General Parameters						
Adsorbable Organic Halides	< 50	50	μg/L	2023-05-05		
Alkalinity, Total (as CaCO3)	162		mg/L	2023-04-20		
Alkalinity, Phenolphthalein (as CaCO3)	< 1.0	1.0	mg/L	2023-04-20		
Alkalinity, Bicarbonate (as CaCO3)	162	1.0	mg/L	2023-04-20		
Alkalinity, Carbonate (as CaCO3)	< 1.0	1.0	mg/L	2023-04-20		
Alkalinity, Hydroxide (as CaCO3)	< 1.0	1.0	mg/L	2023-04-20		
Ammonia, Total (as N)	< 0.050	0.050	mg/L	2023-04-20		
Carbon, Total Organic	1.54	0.50	mg/L	2023-04-19		
Nitrogen, Total Kjeldahl	< 0.050	0.050	mg/L	2023-04-21		
Solids, Total Suspended	< 2.0	2.0	mg/L	2023-04-21		
Microbiological Parameters						
Coliforms, Total	< 1	1	CFU/100 mL	2023-04-19		
Coliforms, Fecal	< 1	1	CFU/100 mL	2023-04-19		
E. coli	< 1	1	CFU/100 mL	2023-04-19		
Total Metals						
Aluminum, total	< 0.0050	0.0050	ma/L	2023-04-24		
Antimony, total	0.00022	0.00020		2023-04-24		
Arsenic, total	< 0.00050	0.00050		2023-04-24		
Barium, total	0.0280	0.0050		2023-04-24		
Beryllium, total	< 0.00010	0.00010		2023-04-24		
Bismuth, total	< 0.00010	0.00010		2023-04-24		
Boron, total	< 0.0500	0.0500		2023-04-24		
Cadmium, total	0.000013	0.000010		2023-04-24		
Calcium, total	47.1		mg/L	2023-04-24		
Chromium, total	< 0.00050	0.00050		2023-04-24		
Cobalt, total	< 0.00010	0.00010	mg/L	2023-04-24		
Copper, total	0.00097	0.00040	mg/L	2023-04-24		
Iron, total	< 0.010	0.010	mg/L	2023-04-24		
Lead, total	< 0.00020	0.00020	mg/L	2023-04-24		
Lithium, total	0.00130	0.00010	mg/L	2023-04-24		
Magnesium, total	13.0	0.010	mg/L	2023-04-24		



TEST RESULTS

Prince George, City of - Pump Station **REPORTED TO WORK ORDER**

PROJECT Raw Water - PW 601 REPORTED

23D1917 2023-05-08 13:04

Analyte	Result	RL	Units	Analyzed	Qualifie
PW 601 (23D1917-01) Matrix: Water	Sampled: 2023-04-18 12:00,	Continued			
Total Metals, Continued					
Manganese, total	0.0121	0.00020	mg/L	2023-04-24	
Mercury, total	< 0.000010	0.000010	mg/L	2023-04-24	
Molybdenum, total	0.00125	0.00010	mg/L	2023-04-24	
Nickel, total	0.00065	0.00040	mg/L	2023-04-24	
Phosphorus, total	< 0.050	0.050	mg/L	2023-04-24	
Potassium, total	1.59	0.10	mg/L	2023-04-24	
Selenium, total	0.00153	0.00050	mg/L	2023-04-24	
Silicon, total	6.2	1.0	mg/L	2023-04-24	
Silver, total	< 0.000050	0.000050	mg/L	2023-04-24	
Sodium, total	4.51	0.10	mg/L	2023-04-24	
Strontium, total	0.199	0.0010	mg/L	2023-04-24	
Sulfur, total	4.9	3.0	mg/L	2023-04-24	
Tellurium, total	< 0.00050	0.00050	mg/L	2023-04-24	
Thallium, total	< 0.000020	0.000020	mg/L	2023-04-24	
Thorium, total	< 0.00010	0.00010	mg/L	2023-04-24	
Tin, total	< 0.00020	0.00020	mg/L	2023-04-24	
Titanium, total	< 0.0050	0.0050	mg/L	2023-04-24	
Tungsten, total	< 0.0010	0.0010	mg/L	2023-04-24	
Uranium, total	0.000524	0.000020	mg/L	2023-04-24	
Vanadium, total	< 0.0050	0.0050	mg/L	2023-04-24	
Zinc, total	< 0.0040	0.0040	mg/L	2023-04-24	
Zirconium, total	< 0.00010	0.00010	mg/L	2023-04-24	
/olatile Organic Compounds (VOC)					
Bromodichloromethane	< 0.0010	0.0010	mg/L	2023-04-24	
Bromoform	< 0.0010	0.0010	mg/L	2023-04-24	
Chloroform	< 0.0010	0.0010	mg/L	2023-04-24	
Dibromochloromethane	< 0.0010	0.0010		2023-04-24	
Surrogate: Toluene-d8	115	70-130	%	2023-04-24	
Surrogate: 4-Bromofluorobenzene	100	70-130	%	2023-04-24	



APPENDIX 1: SUPPORTING INFORMATION

REPORTED TO Prince George, City of - Pump Station

PROJECT Raw Water - PW 601

WORK ORDER REPORTED 23D1917 2023-05-08 13:04

Analysis Description	Method Ref.	Technique	Accredited	Location
Adsorbable Organic Halogen in Water	PAPTAC/ISO - low level	Adsorption, Coulometric Titration		Sublet
Alkalinity in Water	SM 2320 B* (2021)	Titration with H2SO4	✓	Kelowna
Ammonia, Total in Water	SM 4500-NH3 G* (2021)	Automated Colorimetry (Phenate)	✓	Kelowna
Anions in Water	SM 4110 B (2020)	Ion Chromatography	✓	Kelowna
Carbon, Total Organic in Water	SM 5310 B (2022)	Combustion, Infrared CO2 Detection	✓	Kelowna
Coliforms, Fecal in Water	SM 9222 D (2015)	Membrane Filtration / m-FC Agar	✓	Kelowna
Coliforms, Total in Water	SM 9222* (2015)	Membrane Filtration / Chromocult Agar	✓	Kelowna
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	SM 9222* (2015)	Membrane Filtration / Chromocult Agar	✓	Kelowna
Hardness in Water	SM 2340 B (2021)	Calculation: 2.497 [diss Ca] + 4.118 [diss Mg]	✓	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
Solids, Total Suspended in Water	Solids in Water, Filtered / SM 2540 D* (2020)	Solids in Water, Filtered / Gravimetry (Dried at 103-105C)	✓	Kelowna
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

Note: An asterisk in the Method Reference indicates that the CARO method has been modified from the reference method

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

CFU/100 mL Colony Forming Units per 100 millilitres

 $\begin{array}{ll} \text{mg/L} & \text{Milligrams per litre} \\ \text{\mug/L} & \text{Micrograms per litre} \end{array}$

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 601

WORK ORDER
REPORTED

23D1917

2023-05-08 13:04

General Comments:

The results in this report apply to the received samples analyzed in accordance with the Chain of Custody document. This analytical report must be reproduced in its entirety. CARO is not responsible for any loss or damage resulting directly or indirectly from error or omission in the conduct of testing. 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. Any results that are above regulatory limits are highlighted red. Please note that results will only be highlighted red if the regulatory limits are included on the CARO report. 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:pmand@caro.ca

Please note any regulatory guidelines applied to this report are added as a convenience to the client, at their request, to help provide some initial context to analytical results obtained. Although CARO makes every effort to ensure accuracy of the associated regulatory guideline(s) applied, the guidelines applied cannot be assumed to be correct due to a variety of factors and as such CARO Analytical Services assumes no liability or responsibility for the use of those guidelines to make any decisions. The original source of the regulation should be verified and a review of the guideline(s) should be validated as correct in order to make any decisions arising from the comparison of the analytical data obtained to the relevant regulatory guideline for one's particular circumstances. Further, CARO Analytical Services assumes no liability or responsibility for any loss attributed from the use of these guidelines in any way.



REPORTED TO Prince George, City of - Pump Station **PROJECT**

Raw Water - PW 601

WORK ORDER REPORTED

23D1917 2023-05-08 13:04

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 B3D1781									
Blank (B3D1781-BLK1)			Prepared	d: 2023-04-2	20, Analyze	d: 2023-0	04-20		
Bromide	< 0.10	0.10 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							
Phosphate (as P)	< 0.0050	0.0050 mg/L							
Sulfate	< 1.0	1.0 mg/L							
Blank (B3D1781-BLK2)			Prepared	d: 2023-04-2	20, Analyze	d: 2023-0	04-20		
Bromide	< 0.10	0.10 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							
Phosphate (as P)	< 0.0050	0.0050 mg/L							
Sulfate	< 1.0	1.0 mg/L							
LCS (B3D1781-BS1)			Prepared	d: 2023-04-2	20, Analyze	d: 2023-0	04-20		
Bromide	4.04	0.10 mg/L	4.00		101	85-115			
Chloride	16.1	0.10 mg/L	16.0		101	90-110			
Fluoride	4.09	0.10 mg/L	4.00		102	88-108			
Nitrate (as N)	3.96	0.010 mg/L	4.00		99	90-110			
Nitrite (as N)	2.06	0.010 mg/L	2.00		103	85-115			
Phosphate (as P)	0.960	0.0050 mg/L	1.00		96	80-120			
Sulfate	16.1	1.0 mg/L	16.0		101	90-110			
LCS (B3D1781-BS2)			Prepared	d: 2023-04-2	20, Analyze	d: 2023-0	04-20		
Bromide	4.09	0.10 mg/L	4.00		102	85-115			
Chloride	16.1	0.10 mg/L	16.0		101	90-110			
Fluoride	4.15	0.10 mg/L	4.00		104	88-108			
Nitrate (as N)	3.95	0.010 mg/L	4.00		99	90-110			
Nitrite (as N)	2.09	0.010 mg/L	2.00		104	85-115			
Phosphate (as P)	1.07	0.0050 mg/L	1.00		107	80-120			
Sulfate	16.2	1.0 mg/L	16.0		101	90-110			



REPORTED TO

Iron, dissolved

Lead, dissolved

Lithium, dissolved

Magnesium, dissolved

Manganese, dissolved

APPENDIX 2: QUALITY CONTROL RESULTS

Prince George, City of - Pump Station

PROJECT	Raw Water - PW 601	• •				REPORTED		2023-05-08		13:04
Analyte		Result	RL Units	Spike Level	Source Result	% REC	REC Limit	% RPD	RPD Limit	Qualifier
ŕ	Batch B3D2049, Continue	d		_						
Blank (B3D2049-B	BLK1)			Prepared	l: 2023-04-2	23, Analyze	d: 2023-0	04-23		
Aluminum, dissolved		< 0.0050	0.0050 mg/L							
Antimony, dissolved	•	< 0.00020 0	.00020 mg/L							
Arsenic, dissolved	•	< 0.00050 0	.00050 mg/L							
Barium dissolved		< 0.0050	0.0050 mg/l							

Aluminum, dissolved	< 0.0050	0.0050 mg/L				
Antimony, dissolved	< 0.00020	0.00020 mg/L				
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				
Iron, 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				
LCS (B3D2049-BS1)			Prepared	l: 2023-04-23, Analyz	ed: 2023-04-23	3
Aluminum, dissolved	4.06	0.0050 mg/L	4.00	102	80-120	
Antimony, dissolved	0.0411	0.00020 mg/L	0.0400	103	80-120	
Arsenic, dissolved	0.415	0.00050 mg/L	0.400	104	80-120	
Barium, dissolved	0.0393	0.0050 mg/L	0.0400	98	80-120	
Beryllium, dissolved	0.0410	0.00010 mg/L	0.0400	103	80-120	
Bismuth, dissolved	0.0406	0.00010 mg/L	0.0400	102	80-120	
Boron, dissolved	0.413	0.0500 mg/L	0.400	103	80-120	
Cadmium, dissolved	0.0395	0.000010 mg/L	0.0400	99	80-120	
Calcium, dissolved	4.07	0.20 mg/L	4.00	102	80-120	
Chromium, dissolved	0.0410	0.00050 mg/L	0.0400	103	80-120	
Cobalt, dissolved	0.0411	0.00010 mg/L	0.0400	103	80-120	
Copper, dissolved	0.0417	0.00040 mg/L	0.0400	104	80-120	
Iron dissolved	4.25	0.010 mg/l	4.00	106	90 120	

23D1917

WORK ORDER

4.00

0.0400

0.0400

4.00

0.0400

106

100

102

105

102

80-120

80-120

80-120

80-120

80-120

0.010 mg/L

0.010 mg/L

0.00020 mg/L

0.00010 mg/L

0.00020 mg/L

4.25

0.0401

0.0408

0.0407

4.21



REPORTED TO Prince George, C PROJECT Raw Water - PW	-	tation			WORK REPOR	ORDER RTED		1917 3-05-08	13:04
Analyte	Result	RL Unit	s Spike Level	Source Result	% REC	REC Limit	% RPD	RPD Limit	Qualifier
Dissolved Metals, Batch B3D2049, Co.	ntinued								
LCS (B3D2049-BS1), Continued			Prepared	d: 2023-04-2	23, Analyze	ed: 2023-0	04-23		
Molybdenum, dissolved	0.0385	0.00010 mg/L	0.0400		96	80-120			
Nickel, dissolved	0.0404	0.00040 mg/L			101	80-120			
Phosphorus, dissolved	4.16	0.050 mg/L	4.00		104	80-120			
Potassium, dissolved	4.14	0.10 mg/L	4.00		103	80-120			
Selenium, dissolved	0.407	0.00050 mg/L	0.400		102	80-120			
Silicon, dissolved	4.2	1.0 mg/L	4.00		106	80-120			
Silver, dissolved	0.0404	0.000050 mg/L	0.0400		101	80-120			
Sodium, dissolved	4.08	0.10 mg/L	4.00		102	80-120			
Strontium, dissolved	0.0408	0.0010 mg/L			102	80-120			
Sulfur, dissolved	40.5	3.0 mg/L			101	80-120			
Tellurium, dissolved	0.0406	0.00050 mg/L			102	80-120			
Thallium, dissolved	0.0405	0.000020 mg/L			101	80-120			
Thorium, dissolved	0.0413	0.00010 mg/L			103	80-120			
Tin, dissolved	0.0394	0.00020 mg/L			99	80-120			
Titanium, dissolved	0.0408	0.0050 mg/L			102	80-120			
Tungsten, dissolved	0.0405	0.0010 mg/L 0.000020 mg/L			101	80-120			
Uranium, dissolved Vanadium, dissolved	0.0410 0.0407	0.000020 mg/L			102 102	80-120 80-120			
Zinc, dissolved	0.415	0.0030 mg/L			102	80-120			
Zirconium, dissolved	0.0401	0.00040 mg/L			100	80-120			
Matrix Spike (B3D2049-MS1)		urce: 23D1917-	•	d: 2023-04-2	•		04-23		
Aluminum, dissolved	4.20	0.0050 mg/L		< 0.0050	105	70-130			
Antimony, dissolved	0.0410	0.00020 mg/L		0.00022	102	70-130			
Arsenic, dissolved	0.432 0.0704	0.00050 mg/L		0.00050 0.0287	108 104	70-130 70-130			
Barium, dissolved Beryllium, dissolved	0.0704	0.0050 mg/L 0.00010 mg/L		< 0.00010	107	70-130			
Bismuth, dissolved	0.0316	0.00010 mg/L		< 0.00010	79	70-130			
Boron, dissolved	0.397	0.0500 mg/L		< 0.0500	98	70-130			
Cadmium, dissolved	0.0418	0.000010 mg/L		0.000014	105	70-130			
Calcium, dissolved	49.7	0.20 mg/L		47.4	58	70-130			MS2
Chromium, dissolved	0.0417	0.00050 mg/L		< 0.00050	104	70-130			
Cobalt, dissolved	0.0406	0.00010 mg/L		< 0.00010	101	70-130			
Copper, dissolved	0.0414	0.00040 mg/L		0.00098	101	70-130			
Iron, dissolved	4.22	0.010 mg/L	4.00	< 0.010	105	70-130			
Lead, dissolved	0.0411	0.00020 mg/L	0.0400	< 0.00020	103	70-130			
Lithium, dissolved	0.0434	0.00010 mg/L	0.0400	0.00127	105	70-130			
Magnesium, dissolved	17.8	0.010 mg/L		14.1	91	70-130			
Manganese, dissolved	0.0527	0.00020 mg/L		0.0119	102	70-130			
Molybdenum, dissolved	0.0423	0.00010 mg/L		0.00116	103	70-130			
Nickel, dissolved	0.0402	0.00040 mg/L		< 0.00040	100	70-130			
Phosphorus, dissolved	4.37	0.050 mg/L		< 0.050	109	70-130			
Potassium, dissolved	5.94	0.10 mg/L		1.72	105	70-130			
Selenium, dissolved	0.430	0.00050 mg/L		0.00161	107	70-130			
Silicon, dissolved	10.8	1.0 mg/L		6.4	109	70-130			
Silver, dissolved	0.0407	0.000050 mg/L		< 0.000050		70-130			
Sodium, dissolved	8.75	0.10 mg/L		4.77	99	70-130			
Strontium, dissolved	0.241	0.0010 mg/L		0.207	85	70-130			
Sulfur, dissolved Tellurium, dissolved	47.5 0.0415	3.0 mg/L 0.00050 mg/L		4.8 < 0.00050	107 104	70-130 70-130			
Thallium, dissolved	0.0415	0.00000 mg/L		< 0.00050		70-130			
Thorium, dissolved	0.0416	0.000020 mg/L 0.00010 mg/L		< 0.000020	104	70-130			
Tin, dissolved	0.0415	0.00010 mg/L 0.00020 mg/L		< 0.00010	110	70-130			
Titanium, dissolved	0.0431	0.00020 mg/L		< 0.0050	108	70-130			
					100	10-100			
Tungsten, dissolved	0.0420	0.0010 mg/L		< 0.0010	105	70-130			



REPORTED TO Prince George, City PROJECT Raw Water - PW 60	•	tation			WORK REPOR	ORDER RTED	_	1917 3-05-08	13:04
Analyte	Result	RL Units	Spike Level	Source Result	% REC	REC Limit	% RPD	RPD Limit	Qualifier
Dissolved Metals, Batch B3D2049, Conti	nued								
Matrix Spike (B3D2049-MS1), Continued	Sc	ource: 23D1917-01	Prepared	: 2023-04-2	3, Analyze	ed: 2023-0	4-23		
Vanadium, dissolved	0.0432	0.0050 mg/L	0.0400	< 0.0050	106	70-130			
Zinc, dissolved Zirconium, dissolved	0.421	0.0040 mg/L 0.00010 mg/L	0.400	0.0046 < 0.00010	104 112	70-130 70-130			
Dissolved Metals, Batch B3D2141									
Blank (B3D2141-BLK1)			Prepared	: 2023-04-2	4 Analyze	ed: 2023-0	4-24		
Mercury, dissolved	< 0.000010	0.000010 mg/L	rioparoa	. 2020 04 2	, / triary2c	Ju. 2020 0	7 27		
LCS (B3D2141-BS1)		<u> </u>	Prenared	: 2023-04-2	4 Analyze	-d· 2023-0	4-24		
Mercury, dissolved	0.000234	0.000010 mg/L	0.000250	. 2020 0 1 2	94	80-120			
Matrix Spike (B3D2141-MS1)	Sc	ource: 23D1917-01	Prepared	: 2023-04-2	4 Analyze	ed: 2023-0	4-24		
Mercury, dissolved	0.000233	0.000010 mg/L	•	< 0.000010	93	70-130	7 27		
General Parameters, Batch B3D1469 Blank (B3D1469-BLK1)			Prepared	: 2023-04-1	8, Analyze	ed: 2023-0	4-18		
Carbon, Total Organic	< 0.50	0.50 mg/L							
Blank (B3D1469-BLK2)			Prepared	: 2023-04-1	8, Analyze	ed: 2023-0	4-18		
Carbon, Total Organic	< 0.50	0.50 mg/L							
Blank (B3D1469-BLK3)			Prepared	: 2023-04-1	9, Analyze	ed: 2023-0	4-19		
Carbon, Total Organic	< 0.50	0.50 mg/L							
LCS (B3D1469-BS1)			Prepared	: 2023-04-1	8, Analyze	ed: 2023-0	4-18		
Carbon, Total Organic	9.69	0.50 mg/L	10.0		97	78-116			
LCS (B3D1469-BS2)			Prepared	: 2023-04-1	8, Analyze	ed: 2023-0	4-18		
Carbon, Total Organic	9.86	0.50 mg/L	10.0		99	78-116			
LCS (B3D1469-BS3)			Prepared	: 2023-04-1	9, Analyze	ed: 2023-0	4-19		
Carbon, Total Organic	10.4	0.50 mg/L	10.0		104	78-116			
General Parameters, Batch B3D1766 Blank (B3D1766-BLK1)			Prepared	: 2023-04-2	0, Analyze	ed: 2023-0	4-21		
Solids, Total Suspended	< 2.0	2.0 mg/L			-				
Blank (B3D1766-BLK2)			Prepared	: 2023-04-2	0, Analyze	ed: 2023-0	4-21		
Solids, Total Suspended	< 2.0	2.0 mg/L	-		-				
LCS (B3D1766-BS1)			Prepared	: 2023-04-2	0, Analyze	ed: 2023-0	4-21		
Solids, Total Suspended	98.0	10.0 mg/L	100		98	85-115			
LCS (B3D1766-BS2)			Prepared	: 2023-04-2	0, Analyze	ed: 2023-0	4-21		
Solids, Total Suspended	104	10.1 mg/L	100		104	85-115			
General Parameters, Batch B3D1778									
Blank (B3D1778-BLK1)			Prepared	: 2023-04-2	0, Analyze	ed: 2023-0	4-20		
Ammonia, Total (as N)	< 0.050	0.050 mg/L							
Blank (B3D1778-BLK2)			Prepared	: 2023-04-2	0, Analyze	ed: 2023-0	4-20		
Ammonia, Total (as N)	< 0.050	0.050 mg/L						D-	ne 10 of



	ince George, City of aw Water - PW 601	- Pump Sta	ation			WORK (1917 3-05-08	13:04
Analyte		Result	RL Units	Spike Level	Source Result	% REC	REC Limit	% RPD	RPD Limit	Qualifie
General Parameters, B	atch B3D1778, Contin	nued								
Blank (B3D1778-BLK3)				Prepared:	2023-04-20	, Analyzed	l: 2023-0	4-20		
Ammonia, Total (as N)		< 0.050	0.050 mg/L							
LCS (B3D1778-BS1)				Prepared:	2023-04-20	Analyzed	l· 2023-0	4-20		
Ammonia, Total (as N)		0.994	0.050 mg/L	1.00	2020 0 1 20	99	85-115	. 20		
					2022 04 20	Analyzon		4.20		
LCS (B3D1778-BS2)		0.988	0.050 mg/l	1.00	2023-04-20,	99		4-20		
Ammonia, Total (as N)		0.900	0.050 mg/L				85-115			
LCS (B3D1778-BS3)					2023-04-20	, Analyzed	l: 2023-0	4-20		
Ammonia, Total (as N)		0.995	0.050 mg/L	1.00		100	85-115			
General Parameters, B	atch B3D1816									
Blank (B3D1816-BLK1)				Prepared:	2023-04-20	, Analyzed	l: 2023-0	4-21		
Nitrogen, Total Kjeldahl		< 0.050	0.050 mg/L							
Blank (B3D1816-BLK2)				Prepared:	2023-04-20	Analyzed	l· 2023-0	4-21		
Nitrogen, Total Kjeldahl	'	< 0.050	0.050 mg/L	i iopaioa.	2020 0 1 20	, , , , , , , , , , , , , , , , , , , ,	2020 0			
<u> </u>				Droporodi	2022 04 20	A nalvzas	1. 2022 0	4 24		
LCS (B3D1816-BS1)		1.00	0.050 mg/l	1.00	2023-04-20	•	85-115	4-21		
Nitrogen, Total Kjeldahl		1.08	0.050 mg/L			108				
LCS (B3D1816-BS2)		1.07	0.050 mg/L	Prepared: 1.00	2023-04-20	, Analyzed	l: 2023-0 85-115	4-21		
General Parameters, B										
Blank (B3D1834-BLK1)				Prepared:	2023-04-20	, Analyzed	1: 2023-0	4-20		
Alkalinity, Total (as CaCO3 Alkalinity, Phenolphthalein	,	< 1.0 < 1.0	1.0 mg/L 1.0 mg/L							
Alkalinity, Bicarbonate (as	` '	< 1.0	1.0 mg/L							
Alkalinity, Carbonate (as C		< 1.0	1.0 mg/L							
Alkalinity, Hydroxide (as Ca	aCO3)	< 1.0	1.0 mg/L							
LCS (B3D1834-BS1)				Prepared:	2023-04-20	, Analyzed	l: 2023-0	4-20		
Alkalinity, Total (as CaCO3)	94.2	1.0 mg/L	100			80-120			
Microbiological Parame	•)			0000 04 40			4.40		
Blank (B3D1600-BLK1)	<u> </u>				2023-04-19	, Analyzed	1: 2023-0	4-19		
Coliforms, Total E. coli		< 1 < 1	1 CFU/100 1 CFU/100							
E. COII		` 1	1 050/100	IIIL						
Blank (B3D1600-BLK2))			Prepared:	2023-04-19	, Analyzed	l: 2023-0	4-19		
Coliforms, Total		< 1	1 CFU/100	mL .	2023-04-19	, Analyzed	l: 2023-0	4-19		
		< 1 < 1	1 CFU/100 1 CFU/100	mL .	2023-04-19	, Analyzed	l: 2023-0	4-19		
Coliforms, Total				mL mL	2023-04-19,					
Coliforms, Total E. coli		< 1	1 CFU/100	mL mL Prepared: mL						
Coliforms, Total E. coli Blank (B3D1600-BLK3)		< 1	1 CFU/100	mL mL Prepared: mL						
Coliforms, Total E. coli Blank (B3D1600-BLK3) Coliforms, Total		< 1	1 CFU/100	mL Prepared: mL mL		, Analyzec	i: 2023-0	4-19		
Coliforms, Total E. coli Blank (B3D1600-BLK3) Coliforms, Total E. coli		< 1	1 CFU/100	mL Prepared: mL mL Prepared:	2023-04-19	, Analyzec	i: 2023-0	4-19		



REPORTED TO	Prince George, City of - Pump Station	WORK ORDER	23D1917
PROJECT	Raw Water - PW 601	REPORTED	2023-05-08 13:04

Analyte	Result	RL Units	Spike Level	Source Result	% REC	REC Limit	% RPD	RPD Limit	Qualifier
Microbiological Parameters, Batch	B3D1600, Continued								
Blank (B3D1600-BLK5)			Prepared	d: 2023-04-1	19, Analyze	d: 2023-	04-19		
Coliforms, Total	<1	1 CFU/100	mL						
E. coli	< 1	1 CFU/100	mL						
Blank (B3D1600-BLK6)			Prepared	d: 2023-04-1	19, Analyze	d: 2023-	04-19		
Coliforms, Total	<1	1 CFU/100	mL						
E. coli	<1	1 CFU/100	mL						
Blank (B3D1600-BLK7)			Prepared	d: 2023-04-1	19, Analyze	d: 2023-	04-19		
Coliforms, Total	<1	1 CFU/100	mL						
E. coli	< 1	1 CFU/100	mL						
Blank (B3D1600-BLK8)			Prepared	d: 2023-04-1	19, Analyze	d: 2023-	04-19		
Coliforms, Total	<1	1 CFU/100	mL						
E. coli	<1	1 CFU/100	mL						
Blank (B3D1600-BLK9)			Prepared	d: 2023-04-1	19, Analyze	d: 2023-	04-19		
Coliforms, Total	<1	1 CFU/100	mL						
E. coli	<1	1 CFU/100	mL						
Blank (B3D1600-BLKA)			Prepared	d: 2023-04-1	19, Analyze	d: 2023-	04-19		
Coliforms, Total	<1	1 CFU/100	mL						
E. coli	< 1	1 CFU/100	mL						
Blank (B3D1600-BLKB)			Prepared	d: 2023-04-1	19, Analyze	d: 2023-	04-19		
Coliforms, Total	< 1	1 CFU/100	mL						
E. coli	< 1	1 CFU/100	mL						
Blank (B3D1600-BLKC)			Prepared	d: 2023-04-1	19, Analyze	d: 2023-	04-19		
Coliforms, Total	< 1	1 CFU/100	mL						
E. coli	< 1	1 CFU/100	mL						

Microbiological Parameters, Batch B3D1689

Blank (B3D1689-BLK1)		Prepared: 2023-04-19, Analyzed: 2023-04-19
Coliforms, Fecal	< 1	1 CFU/100 mL

Total Metals, Batch B3D2122

Aluminum, total < 0.0050 0.0050 mg/L Antimony, total < 0.00020 0.00020 mg/L Arsenic, total < 0.0050 0.00050 mg/L Barium, total < 0.0050 0.0050 mg/L Beryllium, total < 0.00010 0.00010 mg/L Bismuth, total < 0.00010 0.00010 mg/L Boron, total < 0.0500 0.0500 mg/L Cadmium, total < 0.00010 0.00010 mg/L Calcium, total < 0.00010 0.00010 mg/L Chromium, total < 0.00050 0.00050 mg/L Cobalt, total < 0.00010 0.00010 mg/L Copper, total < 0.00040 0.00040 mg/L Iron, total < 0.00010 0.00010 mg/L Lead, total < 0.00020 0.00020 mg/L Lithium, total < 0.00010 0.00010 mg/L Magnesium, total < 0.0010 0.00010 mg/L Magnesium, total < 0.0010 0.00010 mg/L Manganese, total < 0.00020 0.00020 mg/L	Blank (B3D2122-BLK1)			Prepared: 2023-04-24, Analyzed: 2023-04-24
Arsenic, total < 0.00050	Aluminum, total	< 0.0050	0.0050 mg/L	
Barium, total < 0.0050	Antimony, total	< 0.00020	0.00020 mg/L	
Beryllium, total < 0.00010	Arsenic, total	< 0.00050	0.00050 mg/L	
Bismuth, total < 0.00010	Barium, total	< 0.0050	0.0050 mg/L	
Boron, total < 0.0500	Beryllium, total	< 0.00010	0.00010 mg/L	
Cadmium, total < 0.000010	Bismuth, total	< 0.00010	0.00010 mg/L	
Calcium, total < 0.20 0.20 mg/L Chromium, total < 0.00050	Boron, total	< 0.0500	0.0500 mg/L	
Chromium, total < 0.00050	Cadmium, total	< 0.000010	0.000010 mg/L	
Cobalt, total < 0.00010	Calcium, total	< 0.20	0.20 mg/L	
Copper, total < 0.00040	Chromium, total	< 0.00050	0.00050 mg/L	
Iron, total < 0.010	Cobalt, total	< 0.00010	0.00010 mg/L	
Lead, total < 0.00020	Copper, total	< 0.00040	0.00040 mg/L	
Lithium, total < 0.00010 0.00010 mg/L Magnesium, total < 0.010	Iron, total	< 0.010	0.010 mg/L	
Magnesium, total < 0.010 0.010 mg/L	Lead, total	< 0.00020	0.00020 mg/L	
· · · · · · · · · · · · · · · · · · ·	Lithium, total	< 0.00010	0.00010 mg/L	
Manganese, total < 0.00020 0.00020 mg/L	Magnesium, total	< 0.010	0.010 mg/L	
	Manganese, total	< 0.00020	0.00020 mg/L	



REPORTED TO PROJECT	Prince George, City of - Pump Raw Water - PW 601	Station					WORK ORDER REPORTED		23D1917 2023-05-08 1	
Analyte	Result	: RL	Units	Spike Level	Source Result	% REC	REC Limit	% RPD	RPD Limit	Qualifier
Total Metals, Batch	B3D2122, Continued									
Blank (B3D2122-Bl	LK1), Continued			Prepared	: 2023-04-2	24, Analyze	d: 2023-0	04-24		
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									
Silicon, total	< 1.0		mg/L							
Silver, total	< 0.000050									
Sodium, total	< 0.10		mg/L							
Strontium, total	< 0.0010									
Sulfur, total	< 3.0		mg/L							
Tellurium, total Thallium, total	< 0.00050 < 0.000020									
Thorium, total	< 0.000020									
Tin, total	< 0.00010									
Titanium, total	< 0.0050									
Tungsten, total	< 0.0010									
Uranium, total	< 0.000020									
Vanadium, total	< 0.0050									
Zinc, total	< 0.0040									
Zirconium, total	< 0.00010									
LCS (B3D2122-BS	1)			Prenared	: 2023-04-2	24 Analyze	d: 2023-0	14-24		
•	•	0.0050	/I	<u> </u>	. 2020 04 2			7 - 2 -		
Aluminum, total	4.09			4.00		102	80-120			
Antimony, total Arsenic, total	0.0409			0.0400		102 103	80-120 80-120			
Barium, total	0.411			0.400		103	80-120			
Beryllium, total	0.0411			0.0400		103	80-120			
Bismuth, total	0.0389			0.0400		97	80-120			
Boron, total	0.428			0.400		107	80-120			
Cadmium, total	0.0404			0.0400		101	80-120			
Calcium, total	4.15		mg/L	4.00		104	80-120			
Chromium, total	0.0413			0.0400		103	80-120			
Cobalt, total	0.0416			0.0400		104	80-120			
Copper, total	0.0416	0.00040	mg/L	0.0400		104	80-120			
Iron, total	4.18	0.010	mg/L	4.00		104	80-120			
Lead, total	0.0399	0.00020	mg/L	0.0400		100	80-120			
Lithium, total	0.0409	0.00010	mg/L	0.0400		102	80-120			
Magnesium, total	4.11		mg/L	4.00		103	80-120			
Manganese, total	0.0414			0.0400		103	80-120			
Molybdenum, total	0.0397			0.0400		99	80-120			
Nickel, total	0.0411			0.0400		103	80-120			
Phosphorus, total	4.10		mg/L	4.00		102	80-120			
Potassium, total	4.13		mg/L	4.00		103	80-120			
Selenium, total	0.419			0.400		105	80-120			
Silicon, total	4.4		mg/L	4.00		109	80-120			
Silver, total	0.0423			0.0400		106	80-120			
Sodium, total Strontium, total	4.06 0.0413		mg/L	4.00 0.0400		101 103	80-120 80-120			
Sulfur, total	41.9		mg/L	40.0		105	80-120			
Tellurium, total	0.0393			0.0400		98	80-120			
Thallium, total	0.0393			0.0400		99	80-120			
Thorium, total	0.0405			0.0400		101	80-120			
Tin, total	0.0422			0.0400		105	80-120			
Titanium, total	0.0422			0.0400		105	80-120			
Tungsten, total	0.0399			0.0400		100	80-120			
J,	0.0408		mg/L				80-120			



REPORTED TO PROJECT	Prince George, C Raw Water - PW	•	tation			WORK REPOR	ORDER RTED		23D1917 2023-05-08 13:04		
Analyte		Result	RL Units	Spike Level	Source Result	% REC	REC Limit	% RPD	RPD Limit	Qualifier	
Total Metals, Batc	h B3D2122, Continu	ied									
LCS (B3D2122-BS	1), Continued			Prepared	: 2023-04-2	4, Analyze	ed: 2023-0	04-24			
Vanadium, total		0.0407	0.0050 mg/L	0.0400		102	80-120				
Zinc, total		0.411	0.0040 mg/L	0.400		103	80-120				
Zirconium, total		0.0418	0.00010 mg/L	0.0400		104	80-120				
Total Metals, Batch				Dranarad	. 2022 04 2	4. Analyza	-d. 2022 (24.24			
Blank (B3D2142-B		< 0.000010	0.000010 mg/l	Prepared	: 2023-04-2	4, Analyze	ed: 2023-0	04-24			
Blank (B3D2142-B Mercury, total	LK1)	< 0.000010	0.000010 mg/L	<u> </u>							
Blank (B3D2142-B Mercury, total Blank (B3D2142-B	LK1)		J	<u> </u>	: 2023-04-2 : 2023-04-2						
Blank (B3D2142-B Mercury, total Blank (B3D2142-B	LK1)	< 0.000010 < 0.000010	0.000010 mg/L 0.000010 mg/L	<u> </u>							
Blank (B3D2142-B Mercury, total Blank (B3D2142-B Mercury, total	LK1)		J	Prepared		4, Analyze	ed: 2023-0	04-24			
Blank (B3D2142-B Mercury, total Blank (B3D2142-B Mercury, total LCS (B3D2142-BS	LK1)		J	Prepared	: 2023-04-2	4, Analyze	ed: 2023-0	04-24			
Blank (B3D2142-B Mercury, total Blank (B3D2142-B Mercury, total LCS (B3D2142-BS Mercury, total	LK1) LK2) 1)	< 0.000010	0.000010 mg/L	Prepared Prepared 0.000250	: 2023-04-2	4, Analyze 4, Analyze	ed: 2023-0 ed: 2023-0 80-120	04-24 04-24			
Blank (B3D2142-B Mercury, total	LK1) LK2) 1)	< 0.000010	0.000010 mg/L	Prepared Prepared 0.000250	: 2023-04-2 : 2023-04-2	4, Analyze 4, Analyze	ed: 2023-0 ed: 2023-0 80-120	04-24 04-24			
Blank (B3D2142-B Mercury, total Blank (B3D2142-B Mercury, total LCS (B3D2142-BS Mercury, total LCS (B3D2142-BS	LK1) LK2) 1)	< 0.000010 0.000229 0.000263	0.000010 mg/L 0.000010 mg/L	Prepared 0.000250 Prepared 0.000250	: 2023-04-2 : 2023-04-2	4, Analyze 4, Analyze 92 4, Analyze 105	ed: 2023-0 ed: 2023-0 80-120 ed: 2023-0 80-120)4-24)4-24)4-24			

Volatile Organic Compounds (VOC), Batch B3D2098

Blank (B3D2098-BLK1)		Prepared: 2023-04-23, Analyzed: 2023-04-23					
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	0.0259	mg/L	0.0250	104	70-130		
Surrogate: 4-Bromofluorobenzene	0.0241	mg/L	0.0249	97	70-130		

QC Qualifiers:

MS2 The native sample concentration is greater than the spike concentration hence the matrix spike limits do not apply.