

 Eagle Mountain - Woodfibre Gas Pipeline Project Waste Discharge Permit PE-110163 Report	Reporting Week	Sept 1 st to Sept 7 th , 2025
	Report #	76
	Page	1 of 7

Eagle Mountain - Woodfibre Gas Pipeline Project

BCER Waste Discharge Permit Weekly Report

 Eagle Mountain - Woodfibre Gas Pipeline Project Waste Discharge Permit PE-110163 Report	Reporting Week	Sept 1 st to Sept 7 th , 2025
	Report #	76
	Page	2 of 7

Contents

Preamble	3
Introduction	3
Sampling Methodology	4
Summary-BC Rail Site	5
Site Activities and Exceedances	5
Discharge from Water Treatment Plant.....	5
Receiving Environment Monitoring-Squamish River	5
Summary-Woodfibre.....	6
Site Activities and Exceedances	6
Discharge from Water Treatment Plant.....	6
Receiving Environment Monitoring-East Creek.....	7

Appendix A: BC Rail Point of Discharge from Water Treatment System Documentation

Appendix B: BC Rail Receiving Environment Documentation

Appendix C: Woodfibre Point of Discharge from Water Treatment System Documentation

Appendix D: Woodfibre Receiving Environment Documentation

Appendix E: Lab Documentation

 Eagle Mountain - Woodfibre Gas Pipeline Project Waste Discharge Permit PE-110163 Report	Reporting Week	Sept 1 st to Sept 7 th , 2025
	Report #	76
	Page	3 of 7

Preamble

This weekly report for the British Columbia Energy Regulator (BCER) Waste Discharge Permit (BCER number PE-110163) for the FortisBC Eagle Mountain – Woodfibre Gas Pipeline (EGP) Project includes the results of water quality monitoring and sampling of the receiving environments (upstream and downstream) and points of discharge.

FortisBC has retained Hatfield Consultants LLP. as the Qualified Professional to implement and oversee the monitoring and sampling program in the receiving environments. The data represented below, including laboratory reported exceedances, represent background conditions from the receiving environment sampling as shown on the Waste Discharge Permit.

Please note that this weekly report is intended to present the results of each weekly sampling event and highlight any non-compliances or missed sampling requirements outlined in the permit. This report is not intended to represent an interpretive report. Given that application of chronic BC water quality guidelines for protection of aquatic life in the receiving environment downstream of the discharge does not represent a regulatory requirement and instead data are intended to be assessed relative to monthly average concentrations, exceedances of these guidelines in receiving environment samples are highlighted for information purposes, but detailed interpretation of guideline exceedances are not provided given that an interpretation of monthly trends and consideration of background influences and discharge chemistry is required.

Introduction

The results provided in this document are submitted to BC Energy Regulator (BCER) by FortisBC as per the requirements listed in the Waste Discharge Permit PE-110163 Section 4.2:

The Permittee shall summarize the results of the discharge and receiving environment compliance sampling and monitoring program in a report that shall be submitted weekly over the term of this permit. The sampling and monitoring results shall be suitably tabulated and include comparison to the respective British Columbia Approved and Working Water Quality Guidelines for Freshwater & Marine Aquatic Life, as published by the Ministry of Environment & Climate Change Strategy. Any exceedance of regulatory guidelines shall be clearly highlighted, and any missed sampling events/missing data shall be identified with an explanation provided. Reporting frequency may be reduced upon a history of compliance and by written confirmation from the BCER. These reports shall be submitted to Waste.Management@bc-er.ca. A copy of the reports shall be provided to each First Nation consulted with regarding the subject permit, and also made publicly available on the FortisBC Eagle Mountain-Woodfibre Gas Pipeline Project | Talking Energy webpage.

 Eagle Mountain - Woodfibre Gas Pipeline Project Waste Discharge Permit PE-110163 Report	Reporting Week	Sept 1 st to Sept 7 th , 2025
	Report #	76
	Page	4 of 7

Sampling Methodology

The monitoring and sampling has been carried out in accordance with the procedures described in the most recent edition of the “British Columbia Field Sampling Manual” using field equipment and lab samples to meet daily and real time requirements for the Waste Discharge Permit.

At the receiving environments, real time and daily readings are being monitored at the same time with one piece of equipment, allowing all the daily readings real time. Visible sheen will be monitored with visual inspections during times of discharge or sampling.

At the point of discharge from the WTP, the parameters are being monitored using field equipment and sondes/real time meters. Table 1 and Table 2 below show how each parameter is being monitored.

Table 1. Monitor Details for the Point of Discharge from the Water Treatment System-BC Rail and Woodfibre

Permit Frequency	Parameters	Details
During discharges	Visible Sheen	In field inspection
Daily (or per batch)	DO	Monitoring using YSI ProDSS
	ORP	Monitoring using YSI ProDSS
	Salinity	Monitoring using YSI ProDSS
Real Time (or per batch)	pH	Monitoring using GF Dryloc pH Series NPT
	Temperature	Monitoring using LevelPro PT100 Temperature and Signet 2350 Temp sensor
	NTU	Monitoring using Observator NEP9504GPI
	Electrical Conductivity	Monitoring using ProCon C450
Weekly (or per batch) Lab Samples	List prescribed in permit	Lab samples

Table 2. Monitor Details for the Receiving Environment (upstream and downstream)-BC Rail and Woodfibre

Permit Frequency	Parameters	Details
During discharges	Visible Sheen	In field inspection
Daily	DO	Monitoring using Sonde- AquaTROLL 600 datalogger
	ORP	Monitoring using Sonde- AquaTROLL 600 datalogger
	Salinity	Monitoring using Sonde- AquaTROLL 600 datalogger
Real Time	pH	Monitoring using Sonde- AquaTROLL 600 datalogger
	Temperature	Monitoring using Sonde- AquaTROLL 600 datalogger
	NTU	Monitoring using Sonde- AquaTROLL 600 datalogger
	Electrical Conductivity	Monitoring using Sonde- AquaTROLL 600 datalogger
Weekly Lab Samples	List prescribed in permit	Lab samples

 Eagle Mountain - Woodfibre Gas Pipeline Project Waste Discharge Permit PE-110163 Report	Reporting Week	Sept 1 st to Sept 7 th , 2025
	Report #	76
	Page	5 of 7

Summary-BC Rail Site

Site Activities and Exceedances

- Weekly upstream and downstream taken by the QP.
- Water produced by the water treatment plant is being recirculated for tunneling and to create grout for tunneling.
- One batch test occurred during this reporting period.

Discharge from Water Treatment Plant

Table 3 below includes information on water quality and lab sampling during discharges. Appendix A includes a full set of lab results with real time/field samples from discharges.

Table 3: Discharge from Water Treatment System Information

Location	Date of Discharge	Date of Lab Sample (for the discharge)	Real Time Monitored	Field Samples Taken	Discharge Rate (batch)	Discharge Volume (batch)	Results
BC Rail	2025-09-06	2025-08-29	N/A	N/A	145GPM	26.3m3	Y

*Max discharge is 515 m3/day

Receiving Environment Monitoring-Squamish River

Table 4 and 5 below includes information on water quality and lab sampling. Appendix B includes a full set of lab results with real time data. The receiving environment is being monitored as outlined in the permit with additional oversight by the QP.

Table 4: Upstream Monitoring Information

Location	Date of Lab Sample	Real Time Monitored	Results
Squamish River Upstream	2025-09-02	Yes *	Full set of lab sample results, photo and documentation are provided in Appendix B.

Table 5: Downstream Monitoring Information

Location	Date of Lab Sample	Real Time Monitored	Results
Squamish River Downstream	2025-09-02	Yes *	Full set of lab sample results, photo and documentation are provided in Appendix B.

* Sondes set up to log temperature, specific conductivity, salinity (in PSU), pH, ORP, DO (mg/L), and turbidity (NTU) at 15-minute intervals.

**DATA GAPS: In-Situ Continuous Monitoring Data:

SQU US:

o

Sept 1: Temperature, conductivity, ORP, and pH data were missing at 4:00.

 Eagle Mountain - Woodfibre Gas Pipeline Project Waste Discharge Permit PE-110163 Report	Reporting Week	Sept 1 st to Sept 7 th , 2025
	Report #	76
	Page	6 of 7

Summary-Woodfibre

Site Activities and Exceedances

- Weekly upstream, downstream and end of pipe taken by the QP.
- Ongoing tunnelling at WLNG and grouting works to mitigate water ingress.
- Water volume discharge exceedances.
- The WLNG EOP D-Cu concentration (0.000231 mg/L) was above its sample-specific BC ST WQGPAL (freshwater) of 0.0002 mg/L by a factor of 1.15 times, although it is important to note that this guideline includes a 2-fold safety factor.
- During this reporting period the upstream water quality logger malfunctioned, data gaps are noted below as it required several some troubleshooting, the logger has gone out for repair.

Discharge from Water Treatment Plant

Table 6 below includes information on the discharge water. Appendix C includes real time/field samples from the discharge.

Table 6: Discharges from Water Treatment System

Location	Date of Discharge	Real Time Monitored and Daily Monitoring	Discharge Volume
Woodfibre	2025-09-01	Yes-Appendix C	2,326 m ³
Woodfibre	2025-09-02	Yes-Appendix C	2,370 m ³
Woodfibre	2025-09-03	Yes-Appendix C	2,549 m ³
Woodfibre	2025-09-04	Yes-Appendix C	2,437 m ³
Woodfibre	2025-09-05	Yes-Appendix C	2,312m ³
Woodfibre	2025-09-06	Yes-Appendix C	2,301 m ³
Woodfibre	2025-09-07	Yes-Appendix C	2,742 m ³

*Max discharge is 1500m3/day

 Eagle Mountain - Woodfibre Gas Pipeline Project Waste Discharge Permit PE-110163 Report	Reporting Week	Sept 1 st to Sept 7 th , 2025
	Report #	76
	Page	7 of 7

Receiving Environment Monitoring-East Creek

Table 7 and 8 below includes information on water quality and lab sampling. Appendix D includes a full set of lab results with real time data. The receiving environment is being monitored as outlined in the permit with additional oversight by the QP.

Table 7: Upstream Monitoring Information

Location	Date of Lab Sample	Real Time Monitored	Results
East Creek Upstream	2025-09-02	Yes *	Full set of lab sample results, photo and documentation are provided in Appendix D.

Table 8: Downstream Monitoring Information

	Date of Lab Sample	Real Time Monitored	Results
East Creek Downstream	2025-09-02	Yes *	Full set of lab sample results, photo and documentation are provided in Appendix D.

* Sondes set up to log temperature, specific conductivity, salinity (in PSU), pH, ORP, DO (mg/L), and turbidity (NTU).

**DATA GAPS: In-Situ Continuous Monitoring

WLNG US:

- pH readings were not available from Sept 1 at 00:00 onwards due to the water quality sonde malfunctioning.
- Conductivity, dissolved oxygen, and turbidity readings were not available from Sept 3 at 11:00 onwards due to the water quality sonde malfunctioning.
- Sept 3: all readings except conductivity were missing at 6:00 and 9:00.
- Sept 5: all readings were missing at 10:00 and 11:00.
- Sept 3rd-7th most readings missing while troubleshooting sonde.

 Eagle Mountain - Woodfibre Gas Pipeline Project Waste Discharge Permit PE-110163 Report	Reporting Week	Sept 1 st to Sept 7 th , 2025
	Report #	76
	Appendix A	A-1

Appendix A: BCR Site Point of Discharge from Water Treatment Plant Documentation

 Eagle Mountain - Woodfibre Gas Pipeline Project Waste Discharge Permit PE-110163 Report	Reporting Week	Sept 1 st to Sept 7 th , 2025
	Report #	76
	Appendix A	A-2

BCR Site Batch Sample Analysis

		Eagle Mountain- Woodfibre Gas Pipeline Project- Tunnel Scope	
Title	BC Rail Batch Water Discharge Report	Revision:	0
Data	September 06, 2024	Prepared by: Reviewed by: Date:	SD BC1 September 8 th , 2025

Table of Contents:

1. Executive Summary and Notes
2. Discharge Lab's results
3. Photos

Executive Summary and Field Notes:

On September 6th, FKM initiated a new batch discharge at the BC Rail site. The discharge began on September 06 at 01:50 AM and concluded on September 06 at 02:38 AM. Total volume of discharge water was 26.3 m3, with an average flow rate of 145 GPM.

Table 1: Discharge details

Date	Start Time	Flow Rate (GPM)	Volume (m3)
06-Sep-2025	01:50 PM	145	26.3

Table 2: In-Situ Sample

Date	Time	pH	Temperature (°C)	DO (mg/L)	NTU	Conductivity (µS/cm)	ORP (mV)	Salinity (ppt)	Visible sheen
06/09/2025	01:34 AM	7.24	18.5	1.64	0.79	1245	-48.1	0.62	No

		Eagle Mountain- Woodfibre Gas Pipeline Project- Tunnel Scope	
Title	BC Rail Batch Water Discharge Report	Revision:	0
Data	September 06, 2024	Prepared by: Reviewed by: Date:	SD BC1 September 8 th , 2025

Discharge Sample results:

Table 3: Lab Sample

Client Sample ID			WTP		
Date Sampled			29-Aug-2025		
Time Sampled			15:00		
ALS Sample ID			VA25C2289-001		
Analyte	Lowest Detection Limit	Units	Sub-Matrix: Water	ST-FAL	ST-MAL
Field Tests (Matrix: Water)					
Temperature, field	0.10	°C	25.5		
pH, field	0.10	pH units	7.57	6.5-9.0	7.0-8.7
Sample Preparation (Matrix: Water)					
Dissolved carbon filtration location			lab		
Physical Tests (Matrix: Water)					
Conductivity	2.0	µS/cm	934		
Alkalinity, bicarbonate (as CaCO ₃)	2.0	mg/L	43.6		
Alkalinity, carbonate (as CaCO ₃)	2.0	mg/L	<2.0		
Alkalinity, hydroxide (as CaCO ₃)	2.0	mg/L	<2.0		
Alkalinity, phenolphthalein (as CaCO ₃)	2.0	mg/L	<2.0		
Alkalinity, total (as CaCO ₃)	2.0	mg/L	43.6		
Hardness (as CaCO ₃), dissolved	0.50	mg/L	26.9		
Hardness (as CaCO ₃), from total Ca/Mg	0.50	mg/L	27.7		
Oxidation-reduction potential [ORP]	0.10	mV	213		
Solids, total dissolved [TDS]	10	mg/L	523		
Solids, total suspended [TSS]	3.0	mg/L	<3.0		
Turbidity	0.10	NTU	0.52	US value + 8 = DS guideline	US value + 8 = DS guideline
pH	0.10	pH units	6.98		



Eagle Mountain- Woodfibre Gas Pipeline Project- Tunnel Scope

Title	BC Rail Batch Water Discharge Report	Revision:	0
Data	September 06, 2024	Prepared by: Reviewed by: Date:	SD BC1 September 8th, 2025

Anions and Nutrients (Matrix: Water)					
Ammonia, total (as N)	0.0050	mg/L	0.271	44	
Bromide	0.050	mg/L	0.738		
Chloride	0.50	mg/L	254	600	
Fluoride	0.020	mg/L	0.133	0.793	1.5
Nitrate (as N)	0.0050	mg/L	0.0448	32.8	
Nitrite (as N)	0.0010	mg/L	0.0239	0.06	
Nitrogen, total	0.030	mg/L	0.499		
Phosphorus, total	0.0020	mg/L	0.0364		
Sulfate (as SO4)	0.30	mg/L	25.0		
Ammonium (as NH4), field	0.0010	mg/L	0.342		
Organic / Inorganic Carbon (Matrix: Water)					
Carbon, dissolved organic [DOC]	0.50	mg/L	1.90		
Carbon, total organic [TOC]	0.50	mg/L	1.93		
Total Metals (Matrix: Water)					
Aluminum, total	0.0030	mg/L	0.0047	0.0688	
Antimony, total	0.00010	mg/L	0.00032	0.25	
Arsenic, total	0.00010	mg/L	0.00055		
Barium, total	0.00010	mg/L	0.00993		
Beryllium, total	0.000020	mg/L	<0.000020		
Bismuth, total	0.000050	mg/L	<0.000050		
Boron, total	0.010	mg/L	0.266		
Cadmium, total	0.0000050	mg/L	<0.0000150		
Calcium, total	0.050	mg/L	7.39		
Cesium, total	0.000010	mg/L	0.000118		
Chromium, total	0.00050	mg/L	<0.00050		
Cobalt, total	0.00010	mg/L	<0.00010	0.00039	
Copper, total	0.00050	mg/L	0.00108		0.003
Iron, total	0.010	mg/L	0.065	1	
Lead, total	0.000050	mg/L	0.000078		0.14
Lithium, total	0.0010	mg/L	0.0024		
Magnesium, total	0.0050	mg/L	2.24		
Manganese, total	0.00010	mg/L	0.00115	0.715	

Title	BC Rail Batch Water Discharge Report	Revision:	0
Data	September 06, 2024	Prepared by: Reviewed by: Date:	SD BC1 September 8th, 2025

Molybdenum, total	0.000050	mg/L	0.0326	46	
Nickel, total	0.00050	mg/L	<0.00050		
Phosphorus, total	0.050	mg/L	<0.050		
Potassium, total	0.050	mg/L	11.5		
Rubidium, total	0.00020	mg/L	0.00408		
Selenium, total	0.000050	mg/L	0.000056		
Silicon, total	0.10	mg/L	7.34		
Silver, total	0.000010	mg/L	<0.000010	0.0001	0.003
Sodium, total	0.050	mg/L	183		
Strontium, total	0.00020	mg/L	0.0863		
Sulfur, total	0.50	mg/L	11.3		
Tellurium, total	0.00020	mg/L	<0.00020		
Thallium, total	0.000010	mg/L	<0.000010		
Thorium, total	0.00010	mg/L	<0.00010		
Tin, total	0.00010	mg/L	<0.00010		
Titanium, total	0.00030	mg/L	<0.00030		
Tungsten, total	0.00010	mg/L	0.00025		
Uranium, total	0.000010	mg/L	<0.000010	0.0165	
Vanadium, total	0.00050	mg/L	0.00113		
Zinc, total	0.0030	mg/L	0.0044		0.055
Zirconium, total	0.00020	mg/L	<0.00020		
Dissolved Metals (Matrix: Water)					
Aluminum, dissolved	0.0010	mg/L	0.0022		
Antimony, dissolved	0.00010	mg/L	0.00030		
Arsenic, dissolved	0.00010	mg/L	0.00051		
Barium, dissolved	0.00010	mg/L	0.00887		
Beryllium, dissolved	0.000020	mg/L	<0.000020		
Bismuth, dissolved	0.000050	mg/L	<0.000050		
Boron, dissolved	0.010	mg/L	0.254		
Cadmium, dissolved	0.0000050	mg/L	<0.0000100	0.000107	
Calcium, dissolved	0.050	mg/L	7.01		
Cesium, dissolved	0.000010	mg/L	0.000119		
Chromium, dissolved	0.00050	mg/L	<0.00050		
Cobalt, dissolved	0.00010	mg/L	<0.00010		
Copper, dissolved	0.00020	mg/L	0.00097	0.00119	



Eagle Mountain- Woodfibre Gas Pipeline Project- Tunnel Scope

Title	BC Rail Batch Water Discharge Report	Revision:	0
Data	September 06, 2024	Prepared by: Reviewed by: Date:	SD BC1 September 8th, 2025

Iron, dissolved	0.010	mg/L	0.046	0.35	
Lead, dissolved	0.000050	mg/L	0.000057		
Lithium, dissolved	0.0010	mg/L	0.0024		
Magnesium, dissolved	0.0050	mg/L	2.28		
Manganese, dissolved	0.00010	mg/L	0.00094		
Molybdenum, dissolved	0.000050	mg/L	0.0324		
Nickel, dissolved	0.00050	mg/L	<0.00050	0.0095	
Phosphorus, dissolved	0.050	mg/L	<0.050		
Potassium, dissolved	0.050	mg/L	11.5		
Rubidium, dissolved	0.00020	mg/L	0.00415		
Selenium, dissolved	0.000050	mg/L	0.000058		
Silicon, dissolved	0.050	mg/L	6.39		
Silver, dissolved	0.000010	mg/L	<0.000010		
Sodium, dissolved	0.050	mg/L	168		
Strontium, dissolved	0.00020	mg/L	0.0862		
Sulfur, dissolved	0.50	mg/L	10.4		
Tellurium, dissolved	0.00020	mg/L	<0.00020		
Thallium, dissolved	0.000010	mg/L	<0.000010		
Thorium, dissolved	0.00010	mg/L	<0.00010		
Tin, dissolved	0.00010	mg/L	<0.00010		
Titanium, dissolved	0.00030	mg/L	<0.00030		
Tungsten, dissolved	0.00010	mg/L	0.00021		
Uranium, dissolved	0.000010	mg/L	<0.000010		
Vanadium, dissolved	0.00050	mg/L	0.00103		
Zinc, dissolved	0.0010	mg/L	0.0069	0.009	
Zirconium, dissolved	0.00030	mg/L	<0.00030		
Dissolved metals filtration location			Field		
Aggregate Organics (Matrix: Water)					
Phenols, total (4AAP)	0.0010	mg/L	<0.0010		
Volatile Organic Compounds (Matrix: Water)					
Chlorobenzene	0.50	µg/L	<0.50		
Chloromethane	5.0	µg/L	<5.0		
Dichlorobenzene, 1,2-	0.50	µg/L	<0.50		

Title	BC Rail Batch Water Discharge Report	Revision:	0
Data	September 06, 2024	Prepared by: Reviewed by: Date:	SD BC1 September 8th, 2025

Dichlorobenzene, 1,3-	0.50	µg/L	<0.50		
Dichlorobenzene, 1,4-	0.50	µg/L	<0.50		
Dichloropropane, 1,2-	0.50	µg/L	<0.50		
Dichloropropylene, cis+trans-1,3-	0.75	µg/L	<0.75		
Dichloropropylene, cis-1,3-	0.50	µg/L	<0.50		
Tetrachloroethane, 1,1,1,2-	0.50	µg/L	<0.50		
Tetrachloroethane, 1,1,2,2-	0.20	µg/L	<0.20		
Trichloroethane, 1,1,2-	0.50	µg/L	<0.50		
Trichlorofluoromethane	0.50	µg/L	<0.50		
Volatile Organic Compounds [Drycleaning] (Matrix: Water)					
Carbon tetrachloride	0.50	µg/L	<0.50		
Chloroethane	0.50	µg/L	<0.50		
Dichloroethane, 1,1-	0.50	µg/L	<0.50		
Dichloroethane, 1,2-	0.50	µg/L	<0.50		
Dichloroethylene, 1,1-	0.50	µg/L	<0.50		
Dichloroethylene, cis-1,2-	0.50	µg/L	<0.50		
Dichloroethylene, trans-1,2-	0.50	µg/L	<0.50		
Dichloromethane	1.0	µg/L	<1.0		
Dichloropropylene, trans-1,3-	0.50	µg/L	<0.50		
Tetrachloroethylene	0.50	µg/L	<0.50		
Trichloroethane, 1,1,1-	0.50	µg/L	<0.50		
Trichloroethylene	0.50	µg/L	<0.50		
Vinyl chloride	0.40	µg/L	<0.40		
Volatile Organic Compounds [Fuels] (Matrix: Water)					
Benzene	0.50	µg/L	<0.50		
Ethylbenzene	0.50	µg/L	<0.50		
Methyl-tert-butyl ether [MTBE]	0.50	µg/L	<0.50		
Styrene	0.50	µg/L	<0.50		
Toluene	0.40	µg/L	<0.40		
Xylene, m+p-	0.40	µg/L	<0.40		
Xylene, o-	0.30	µg/L	<0.30		
Xylenes, total	0.50	µg/L	<0.50		

Title	BC Rail Batch Water Discharge Report	Revision:	0
Data	September 06, 2024	Prepared by: Reviewed by: Date:	SD BC1 September 8th, 2025

Volatile Organic Compounds [THMs] (Matrix: Water)					
Bromodichloromethane	0.50	µg/L	<0.50		
Bromoform	0.50	µg/L	<0.50		
Chloroform	0.50	µg/L	<0.50		
Dibromochloromethane	0.50	µg/L	<0.50		
Hydrocarbons (Matrix: Water)					
EPH (C10-C19)	250	µg/L	<250		
EPH (C19-C32)	250	µg/L	<250		
VHw (C6-C10)	100	µg/L	<100		
LEPHw	250	µg/L	<250		
VPHw	100	µg/L	<100		
HEPHw	250	µg/L	<250		
Hydrocarbons Surrogates (Matrix: Water)					
Bromobenzotrifluoride, 2- (EPH surrogate)	1.0	%	88.4		
Dichlorotoluene, 3,4-	1.0	%	92.0		
Volatile Organic Compounds Surrogates (Matrix: Water)					
Bromofluorobenzene, 4-	1.0	%	89.9		
Difluorobenzene, 1,4-	1.0	%	103		
Polycyclic Aromatic Hydrocarbons (Matrix: Water)					
Acenaphthene	0.010	µg/L	<0.010		
Acenaphthylene	0.010	µg/L	<0.010		
Acridine	0.010	µg/L	<0.010		
Anthracene	0.010	µg/L	<0.010		
Benz(a)anthracene	0.010	µg/L	<0.010		
Benzo(a)pyrene	0.0050	µg/L	<0.0050		
Benzo(b+j)fluoranthene	0.010	µg/L	<0.010		
Benzo(b+j+k)fluoranthene	0.015	µg/L	<0.015		
Benzo(g,h,i)perylene	0.010	µg/L	<0.010		
Benzo(k)fluoranthene	0.010	µg/L	<0.010		
Chrysene	0.010	µg/L	<0.010		



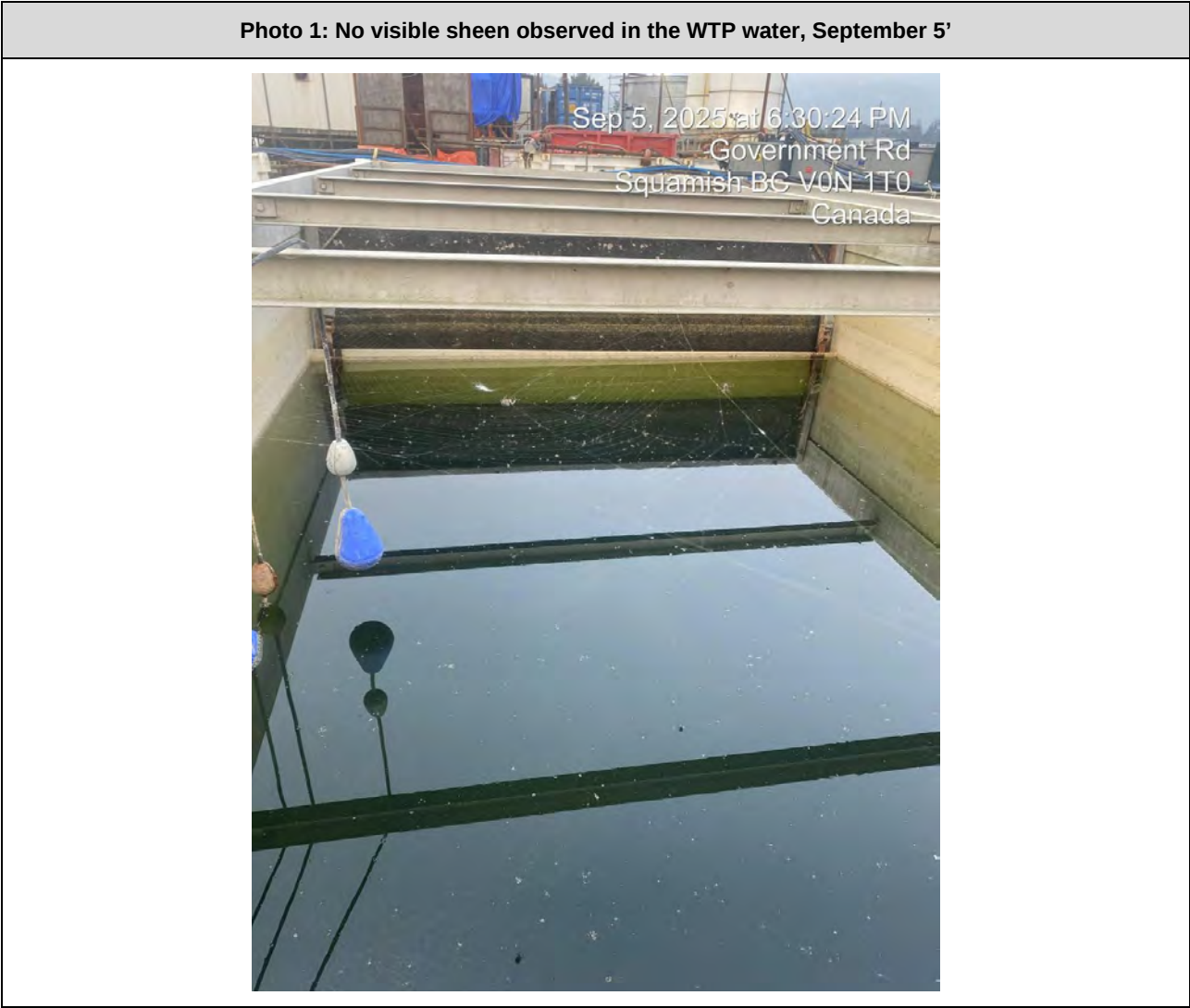
Eagle Mountain- Woodfibre Gas Pipeline Project- Tunnel Scope

Title	BC Rail Batch Water Discharge Report	Revision:	0
Data	September 06, 2024	Prepared by: Reviewed by: Date:	SD BC1 September 8 th , 2025

Dibenz(a,h)anthracene	0.0050	µg/L	<0.0050		
Fluoranthene	0.010	µg/L	<0.010		
Fluorene	0.010	µg/L	<0.010		
Indeno(1,2,3-c,d)pyrene	0.010	µg/L	<0.010		
Methylnaphthalene, 1-	0.010	µg/L	<0.010		
Methylnaphthalene, 2-	0.010	µg/L	<0.010		
Naphthalene	0.050	µg/L	<0.050		
Phenanthrene	0.020	µg/L	<0.020		
Pyrene	0.010	µg/L	<0.010		
Quinoline	0.050	µg/L	<0.050		
Polycyclic Aromatic Hydrocarbons Surrogates (Matrix: Water)					
Chrysene-d12	0.1	%	97.9		
Naphthalene-d8	0.1	%	112		
Phenanthrene-d10	0.1	%	114		
Glycols (Matrix: Water)					
Diethylene glycol	5.0	mg/L	<5.0		
Ethylene glycol	5.0	mg/L	<5.0		
Propylene glycol, 1,2-	5.0	mg/L	<5.0		
Triethylene glycol	5.0	mg/L	<5.0		
Glycols, total (EG+DEG+PG)	10	mg/L	<10		

		Eagle Mountain- Woodfibre Gas Pipeline Project- Tunnel Scope	
Title	BC Rail Batch Water Discharge Report	Revision:	0
Data	September 06, 2024	Prepared by: Reviewed by: Date:	SD BC1 September 8 th , 2025

Photo:



 Eagle Mountain - Woodfibre Gas Pipeline Project Waste Discharge Permit PE-110163 Report	Reporting Week	Sept 1 st to Sept 7 th , 2025
	Report #	76
	Appendix B	B-1

Appendix B: BCR Site Receiving Environment Documentation

 Eagle Mountain - Woodfibre Gas Pipeline Project Waste Discharge Permit PE-110163 Report	Reporting Week	Sept 1 st to Sept 7 th , 2025
	Report #	76
	Appendix B	B-2

BCR Site Receiving Environment Sample Analysis



Analyte	Unit	BC Approved Water Quality Guideline - Freshwater Aquatic Life - Long Term Average	BC Approved Water Quality Guideline - Freshwater Aquatic Life - Short Term Max	BC Working Water Quality Guideline - Freshwater Aquatic Life - Long Term Average	BC Approved Water Quality Guideline - Marine Aquatic Life - Long Term Average	BC Approved Water Quality Guideline - Marine Aquatic Life - Short Term Max	BC Working Water Quality Guideline - Marine Aquatic Life - Long Term Average	SQU US 2025-09-02 13:30:00	SQU DS 2025-09-02 13:50:00
In situ Parameters									
Field pH	pH Units	6.5 - 9			7 - 8.7			5.98	5.88
Field Temperature	°C	18	19					13.7	13.2
General Parameters									
pH	pH Units							6.69	6.66
Alkalinity (Total as CaCO ₃)	mg/L							8	7.6
Alkalinity (PP as CaCO ₃)	mg/L							<1	<1
Hardness (CaCO ₃)-Total	mg/L							15.4	14.5
Hardness (CaCO ₃)-Dissolved	mg/L							9.3	8.38
Sulphide-Total	mg/L							0.0098	0.004
Sulphide (as H ₂ S)	mg/L			0.002				0.01	0.0042
Anions and Nutrients									
Ammonia (N)-Total	mg/L	1.78	24.6		20	131		0.053	0.041
Bicarbonate (HCO ₃)	mg/L							9.8	9.3
Carbonate (CO ₃)	mg/L							<1	<1
Hydroxide (OH)	mg/L							<1	<1
Nitrate (N)	mg/L	3	32.8		3.7			<0.02	<0.02
Nitrite (N)	mg/L	0.02	0.06					<0.005	<0.005
Nitrate plus Nitrite (N)	mg/L							<0.02	<0.02
Nitrogen (N)-Total	mg/L							0.149	0.111
Phosphorus (P)-Total (4500-P)	mg/L							0.3	0.22
Bromide (Br)	mg/L							<0.01	<0.01
Chloride (Cl)	mg/L	150	600					<1	<1
Fluoride (F)	mg/L		0.558			1.5		<0.05	<0.05
Sulphate (SO ₄)-Dissolved	mg/L	128						2.7	2.5

¹ Guideline calculated using the in-situ measurements (pH (field),Temperature (field), Turbidity (field), Hardness (as CaCO₃) – total, Dissolved Organic Carbon (DOC), Total Alkalinity (CaCO₃), and Chloride).

² Guideline values presented represent the lower of the co-factor dependent guidelines for the upstream and downstream stations when they differ, but exceedance bolding is dependent on guidelines calculated using in situ co-factor considerations.

³ **Bold text** denotes value exceeding guidelines, except in cases where they are below a station-specific guideline that isn't displayed as per ¹ and ² above. Note: Not all exceedances are project related.



Analyte	Unit	BC Approved Water Quality Guideline - Freshwater Aquatic Life - Long Term Average	BC Approved Water Quality Guideline - Freshwater Aquatic Life - Short Term Max	BC Working Water Quality Guideline - Freshwater Aquatic Life - Long Term Average	BC Approved Water Quality Guideline - Marine Aquatic Life - Long Term Average	BC Approved Water Quality Guideline - Marine Aquatic Life - Short Term Max	BC Working Water Quality Guideline - Marine Aquatic Life - Long Term Average	SQU US 2025-09-02 13:30:00	SQU DS 2025-09-02 13:50:00
Total Metals									
Aluminum (Al)-Total	mg/L	0.007387						2.9	3.24
Antimony (Sb)-Total	mg/L	0.074	0.25					<0.00002	<0.00002
Arsenic (As)-Total	mg/L	0.005			0.0125			0.000262	0.000266
Barium (Ba)-Total	mg/L			1				0.0462	0.0472
Beryllium (Be)-Total	mg/L			0.00013			0.1	0.000044	0.000046
Bismuth (Bi)-Total	mg/L							<0.00001	<0.00001
Boron (B)-Total	mg/L	1.2			1.2			<0.01	<0.01
Cadmium (Cd)-Total	mg/L						0.00012	0.000012	0.000013
Calcium (Ca)-Total	mg/L							3.84	3.32
Cesium (Cs)-Total	mg/L							0.000119	0.000125
Chromium (Cr)-Total	mg/L							0.00125	0.0016
Chromium (Cr III)-Total	mg/L			0.0089			0.056	0.0012	0.0016
Chromium (Cr VI)-Total	mg/L			0.0025			0.0015	<0.00099	<0.00099
Cobalt (Co)-Total	mg/L							0.00118	0.00129
Copper (Cu)-Total	mg/L				0.002	0.003		0.00463	0.00488
Iron (Fe)-Total	mg/L		1					2.49	2.78
Lead (Pb)-Total	mg/L				0.002	0.14		0.000461	0.000495
Lithium (Li)-Total	mg/L							0.00216	0.0023
Magnesium (Mg)-Total	mg/L							1.41	1.49
Manganese (Mn)-Total	mg/L	0.669	0.7				0.1	0.0764	0.078
Mercury (Hg)-Total	mg/L	0.00002			0.00002			<0.0000019	<0.0000019
Molybdenum (Mo)-Total	mg/L	7.6	46					0.000289	0.000288
Nickel (Ni)-Total	mg/L						0.0083	0.00136	0.00171
Phosphorus (P)-Total (ICPMS)	mg/L							0.185	0.141
Potassium (K)-Total	mg/L							1.33	1.37
Rubidium (Rb)-Total	mg/L							0.00379	0.00403
Selenium (Se)-Total	mg/L	0.002			0.002			<0.00004	<0.00004
Silicon (Si)-Total	mg/L							6.14	6.19
Silver (Ag)-Total	mg/L	0.00012			0.0005	0.0037	0.0005	<0.00001	<0.00001
Sodium (Na)-Total	mg/L							1.46	1.3
Strontium (Sr)-Total	mg/L							0.0355	0.0343
Sulphur (S)-Total	mg/L							<3	<3
Tellurium (Te)-Total	mg/L							0.000028	0.000028
Thallium (Tl)-Total	mg/L			0.00003				0.000024	0.000027
Thorium (Th)-Total	mg/L							0.000081	0.000133
Tin (Sn)-Total	mg/L							<0.0002	<0.0002
Titanium (Ti)-Total	mg/L							0.157	0.181
Uranium (U)-Total	mg/L		0.0165	0.0075				0.000088	0.000088
Vanadium (V)-Total	mg/L			0.06			0.005	0.00621	0.00665
Zinc (Zn)-Total	mg/L				0.01	0.055		0.0087	0.0089
Zirconium (Zr)-Total	mg/L							0.00035	0.00027

¹ Guideline calculated using the in-situ measurements (pH (field),Temperature (field), Turbidity (field), Hardness (as CaCO₃) – total, Dissolved Organic Carbon (DOC), Total Alkalinity (CaCO₃), and Chloride).

² Guideline values presented represent the lower of the co-factor dependent guidelines for the upstream and downstream stations when they differ, but exceedance bolding is dependent on guidelines calculated using in situ co-factor considerations.

³ **Bold text** denotes value exceeding guidelines, except in cases where they are below a station-specific guideline that isn't displayed as per ¹ and ² above. Note: Not all exceedances are project related.



Analyte	Unit	BC Approved Water Quality Guideline - Freshwater Aquatic Life - Long Term Average	BC Approved Water Quality Guideline - Freshwater Aquatic Life - Short Term Max	BC Working Water Quality Guideline - Freshwater Aquatic Life - Long Term Average	BC Approved Water Quality Guideline - Marine Aquatic Life - Long Term Average	BC Approved Water Quality Guideline - Marine Aquatic Life - Short Term Max	BC Working Water Quality Guideline - Marine Aquatic Life - Long Term Average	SQU US 2025-09-02 13:30:00	SQU DS 2025-09-02 13:50:00
Dissolved Metals									
Aluminum (Al)-Dissolved	mg/L							0.0348	0.0351
Antimony (Sb)-Dissolved	mg/L							<0.00002	<0.00002
Arsenic (As)-Dissolved	mg/L							0.000142	0.000114
Barium (Ba)-Dissolved	mg/L							0.00441	0.00455
Beryllium (Be)-Dissolved	mg/L							<0.00001	<0.00001
Bismuth (Bi)-Dissolved	mg/L							<0.000005	<0.000005
Boron (B)-Dissolved	mg/L							<0.01	<0.01
Cadmium (Cd)-Dissolved	mg/L	0.000051	0.00008					<0.000005	<0.000005
Calcium (Ca)-Dissolved	mg/L							3.09	2.82
Cesium (Cs)-Dissolved	mg/L							<0.00005	<0.00005
Chromium (Cr)-Dissolved	mg/L							<0.0001	<0.0001
Cobalt (Co)-Dissolved	mg/L	0.000389						0.0000258	0.0000249
Copper (Cu)-Dissolved	mg/L	0.0002	0.0002					0.000305	0.000261
Iron (Fe)-Dissolved	mg/L		0.35					0.0195	0.0197
Lead (Pb)-Dissolved	mg/L	0.000959						0.0000098	0.0000089
Lithium (Li)-Dissolved	mg/L							0.00074	0.00071
Manganese (Mn)-Dissolved	mg/L							0.00917	0.0086
Magnesium (Mg)-Dissolved	mg/L							0.383	0.326
Mercury (Hg)-Dissolved	mg/L							<0.0000019	0.0000027
Molybdenum (Mo)-Dissolved	mg/L							0.000351	0.000333
Nickel (Ni)-Dissolved	mg/L	0.0005	0.0089					0.000054	0.000056
Phosphorus (P)-Dissolved	mg/L							0.0111	0.0067
Potassium (K)-Dissolved	mg/L							0.539	0.522
Rubidium (Rb)-Dissolved	mg/L							0.000851	0.000834
Selenium (Se)-Dissolved	mg/L							<0.00004	<0.00004
Silicon (Si)-Dissolved	mg/L							2.49	2.15
Silver (Ag)-Dissolved	mg/L							<0.000005	<0.000005
Sodium (Na)-Dissolved	mg/L							1.21	1.03
Strontium (Sr)-Dissolved	mg/L			1.25				0.0203	0.0179
Sulphur (S)-Dissolved	mg/L							<3	<3
Tellurium (Te)-Dissolved	mg/L							<0.00002	<0.00002
Thallium (Tl)-Dissolved	mg/L							0.000004	0.0000034
Thorium (Th)-Dissolved	mg/L							<0.000005	0.000006
Tin (Sn)-Dissolved	mg/L							<0.0002	<0.0002
Titanium (Ti)-Dissolved	mg/L							0.00114	0.00122
Uranium (U)-Dissolved	mg/L							0.0000134	0.0000113
Vanadium (V)-Dissolved	mg/L							0.00095	0.00081
Zinc (Zn)-Dissolved	mg/L	0.003835	0.006646					<0.0001	<0.0001
Zirconium (Zr)-Dissolved	mg/L							<0.0001	<0.0001

¹ Guideline calculated using the in-situ measurements (pH (field),Temperature (field), Turbidity (field), Hardness (as CaCO₃) – total, Dissolved Organic Carbon (DOC), Total Alkalinity (CaCO₃), and Chloride).

² Guideline values presented represent the lower of the co-factor dependent guidelines for the upstream and downstream stations when they differ, but exceedance bolding is dependent on guidelines calculated using in situ co-factor considerations.

³ **Bold text** denotes value exceeding guidelines, except in cases where they are below a station-specific guideline that isn't displayed as per ¹ and ² above. Note: Not all exceedances are project related.

Analyte	Unit	BC Approved Water Quality Guideline - Freshwater Aquatic Life - Long Term Average	BC Approved Water Quality Guideline - Freshwater Aquatic Life - Short Term Max	BC Working Water Quality Guideline - Freshwater Aquatic Life - Long Term Average	BC Approved Water Quality Guideline - Marine Aquatic Life - Long Term Average	BC Approved Water Quality Guideline - Marine Aquatic Life - Short Term Max	BC Working Water Quality Guideline - Marine Aquatic Life - Long Term Average	SQU US 2025-09-02 13:30:00	SQU DS 2025-09-02 13:50:00
Inorganics									
Organic Carbon (C)-Total	mg/L							<0.5	0.66
Organic Carbon (C)-Dissolved	mg/L							<0.5	<0.5
Solids-Total Dissolved	mg/L							28	16
Solids-Total Suspended	mg/L	215	235					210	200

¹ Guideline calculated using the in-situ measurements (pH (field),Temperature (field), Turbidity (field), Hardness (as CaCO₃) – total, Dissolved Organic Carbon (DOC), Total Alkalinity (CaCO₃), and Chloride).

² Guideline values presented represent the lower of the co-factor dependent guidelines for the upstream and downstream stations when they differ, but exceedance bolding is dependent on guidelines calculated using in situ co-factor considerations.

³ **Bold text** denotes value exceeding guidelines, except in cases where they are below a station-specific guideline that isn't displayed as per ¹ and ² above. Note: Not all exceedances are project related.

 Eagle Mountain - Woodfibre Gas Pipeline Project Waste Discharge Permit PE-110163 Report	Reporting Week	Sept 1 st to Sept 7 th , 2025
	Report #	76
	Appendix B	B-3

BCR Site Receiving Environment Field Notes and Logs

Squamish River							
Station	Date/Time	Temperature (C)	Specific Conductivity (µS/cm)	ORP (V)	pH (pH units)	Dissolved Oxygen (mg/L)	Turbidity (NTU)
SQU-DS	2025-09-01 00:00:00	12.88	26.51	0.46	6.91	9.40	221.85
SQU-DS	2025-09-01 00:15:00	12.80	26.44	0.46	6.91	9.43	222.35
SQU-DS	2025-09-01 00:30:00	12.74	26.13	0.46	6.93	9.43	223.05
SQU-DS	2025-09-01 00:45:00	12.68	26.13	0.46	6.92	9.45	222.55
SQU-DS	2025-09-01 01:00:00	12.61	25.99	0.47	6.85	9.47	221.79
SQU-DS	2025-09-01 01:15:00	12.54	25.88	0.46	6.90	9.49	220.72
SQU-DS	2025-09-01 01:30:00	12.47	25.78	0.46	6.88	9.50	220.56
SQU-DS	2025-09-01 01:45:00	12.40	25.38	0.46	6.90	9.51	218.09
SQU-DS	2025-09-01 02:00:00	12.33	25.55	0.46	6.88	9.53	217.76
SQU-DS	2025-09-01 02:15:00	12.25	24.98	0.46	6.92	9.56	217.70
SQU-DS	2025-09-01 02:30:00	12.17	24.79	0.46	6.91	9.58	216.89
SQU-DS	2025-09-01 02:45:00	12.08	24.55	0.46	6.90	9.61	214.90
SQU-DS	2025-09-01 03:00:00	12.01	24.60	0.46	6.89	9.62	212.17
SQU-DS	2025-09-01 03:15:00	11.93	24.22	0.46	6.88	9.64	210.69
SQU-DS	2025-09-01 03:30:00	11.87	23.97	0.46	6.91	9.66	208.94
SQU-DS	2025-09-01 03:45:00	11.81	24.15	0.46	6.92	9.66	205.42
SQU-DS	2025-09-01 04:00:00	11.76	23.93	0.46	6.89	9.68	201.79
SQU-DS	2025-09-01 04:15:00	11.72	23.90	0.46	6.93	9.70	200.17
SQU-DS	2025-09-01 04:30:00	11.68	23.87	0.46	6.93	9.71	199.65
SQU-DS	2025-09-01 04:45:00	11.65	23.80	0.47	6.90	9.72	199.56
SQU-DS	2025-09-01 05:00:00	11.61	23.69	0.47	6.84	9.73	217.39
SQU-DS	2025-09-01 05:15:00	11.58	23.46	0.47	6.88	9.74	210.93
SQU-DS	2025-09-01 05:30:00	11.55	23.55	0.47	6.92	9.74	206.57
SQU-DS	2025-09-01 05:45:00	11.53	23.11	0.47	6.92	9.77	200.85
SQU-DS	2025-09-01 06:00:00	11.52	23.14	0.47	6.92	9.76	197.79
SQU-DS	2025-09-01 06:15:00	11.53	23.26	0.46	6.94	9.75	196.76
SQU-DS	2025-09-01 06:30:00	11.53	23.17	0.47	6.94	9.73	196.95
SQU-DS	2025-09-01 06:45:00	11.53	23.29	0.47	6.94	9.73	196.45
SQU-DS	2025-09-01 07:00:00	11.54	23.43	0.47	6.92	9.72	195.84
SQU-DS	2025-09-01 07:15:00	11.54	23.23	0.47	6.93	9.73	194.94
SQU-DS	2025-09-01 07:30:00	11.55	23.22	0.47	6.92	9.71	194.57
SQU-DS	2025-09-01 07:45:00	11.56	23.07	0.47	6.93	9.72	192.83
SQU-DS	2025-09-01 08:00:00	11.58	23.30	0.47	6.93	9.70	191.79
SQU-DS	2025-09-01 08:15:00	11.60	23.04	0.47	6.91	9.71	191.07
SQU-DS	2025-09-01 08:30:00	11.62	23.21	0.47	6.92	9.70	189.84
SQU-DS	2025-09-01 08:45:00	11.63	23.14	0.47	6.93	9.70	189.34
SQU-DS	2025-09-01 09:00:00	11.64	23.23	0.46	6.95	9.71	187.51
SQU-DS	2025-09-01 09:15:00	11.67	23.24	0.47	6.89	9.72	186.46
SQU-DS	2025-09-01 09:30:00	11.70	23.55	0.47	6.89	9.72	185.81
SQU-DS	2025-09-01 09:45:00	11.74	23.60	0.46	6.92	9.71	185.23
SQU-DS	2025-09-01 10:00:00	11.79	23.58	0.46	6.95	9.71	184.92
SQU-DS	2025-09-01 10:15:00	11.83	23.57	0.46	6.95	9.72	184.47
SQU-DS	2025-09-01 10:30:00	11.88	23.96	0.46	6.92	9.71	183.89
SQU-DS	2025-09-01 10:45:00	11.92	24.13	0.46	6.96	9.69	183.40
SQU-DS	2025-09-01 11:00:00	11.97	23.70	0.46	6.95	9.73	183.04
SQU-DS	2025-09-01 11:15:00	12.02	24.02	0.47	6.86	9.72	182.67
SQU-DS	2025-09-01 11:30:00	12.08	24.34	0.46	6.94	9.72	182.29
SQU-DS	2025-09-01 11:45:00	12.12	23.82	0.46	6.94	9.72	182.13
SQU-DS	2025-09-01 12:00:00	12.19	24.14	0.46	6.92	9.72	180.85
SQU-DS	2025-09-01 12:15:00	12.25	24.71	0.46	6.96	9.70	177.70
SQU-DS	2025-09-01 12:30:00	12.32	24.89	0.46	6.92	9.70	176.13
SQU-DS	2025-09-01 12:45:00	12.38	24.52	0.46	6.93	9.69	175.39
SQU-DS	2025-09-01 13:00:00	12.45	24.74	0.46	6.94	9.67	174.31
SQU-DS	2025-09-01 13:15:00	12.52	24.95	0.46	6.95	9.66	173.73
SQU-DS	2025-09-01 13:30:00	12.58	24.85	0.46	6.94	9.66	173.25

Squamish River							
Station	Date/Time	Temperature (C)	Specific Conductivity (µS/cm)	ORP (V)	pH (pH units)	Dissolved Oxygen (mg/L)	Turbidity (NTU)
SQU-DS	2025-09-01 13:45:00	12.65	24.85	0.46	6.93	9.65	172.80
SQU-DS	2025-09-01 14:00:00	12.71	24.96	0.46	6.95	9.64	172.34
SQU-DS	2025-09-01 14:15:00	12.78	25.28	0.46	6.95	9.61	171.81
SQU-DS	2025-09-01 14:30:00	12.83	25.36	0.46	6.94	9.59	170.78
SQU-DS	2025-09-01 14:45:00	12.88	25.69	0.45	6.95	9.58	169.51
SQU-DS	2025-09-01 15:00:00	12.95	25.95	0.46	6.94	9.57	168.60
SQU-DS	2025-09-01 15:15:00	12.99	26.07	0.46	6.94	9.48	167.69
SQU-DS	2025-09-01 15:30:00	13.05	26.28	0.45	6.95	9.53	167.14
SQU-DS	2025-09-01 15:45:00	13.07	26.12	0.46	6.93	9.52	166.48
SQU-DS	2025-09-01 16:00:00	13.11	26.36	0.45	6.95	9.51	166.10
SQU-DS	2025-09-01 16:15:00	13.14	26.55	0.45	6.93	9.53	165.73
SQU-DS	2025-09-01 16:30:00	13.17	26.88	0.45	6.94	9.48	165.09
SQU-DS	2025-09-01 16:45:00	13.20	27.15	0.45	6.93	9.48	164.25
SQU-DS	2025-09-01 17:00:00	13.20	27.27	0.45	6.94	9.49	164.01
SQU-DS	2025-09-01 17:15:00	13.22	27.35	0.45	6.94	9.49	163.63
SQU-DS	2025-09-01 17:30:00	13.22	27.59	0.45	6.94	9.47	163.45
SQU-DS	2025-09-01 17:45:00	13.19	27.68	0.45	6.95	9.47	163.41
SQU-DS	2025-09-01 18:00:00	13.19	28.27	0.45	6.91	9.43	163.35
SQU-DS	2025-09-01 18:15:00	13.17	28.13	0.45	6.90	9.39	162.81
SQU-DS	2025-09-01 18:30:00	13.14	28.23	0.45	6.92	9.39	162.65
SQU-DS	2025-09-01 18:45:00	13.12	28.35	0.45	6.93	9.38	162.78
SQU-DS	2025-09-01 19:00:00	13.11	28.75	0.45	6.92	9.40	162.80
SQU-DS	2025-09-01 19:15:00	13.10	28.31	0.45	6.90	9.39	162.81
SQU-DS	2025-09-01 19:30:00	13.09	28.56	0.45	6.95	9.39	162.82
SQU-DS	2025-09-01 19:45:00	13.10	28.48	0.45	6.92	9.38	162.68
SQU-DS	2025-09-01 20:00:00	13.10	28.32	0.45	6.92	9.38	162.58
SQU-DS	2025-09-01 20:15:00	13.12	28.24	0.45	6.91	9.38	162.49
SQU-DS	2025-09-01 20:30:00	13.13	28.25	0.45	6.92	9.37	162.07
SQU-DS	2025-09-01 20:45:00	13.15	27.84	0.45	6.93	9.38	161.84
SQU-DS	2025-09-01 21:00:00	13.17	27.55	0.45	6.93	9.38	161.29
SQU-DS	2025-09-01 21:15:00	13.18	27.42	0.45	6.87	9.38	160.93
SQU-DS	2025-09-01 21:30:00	13.20	27.24	0.45	6.91	9.39	160.81
SQU-DS	2025-09-01 21:45:00	13.20	26.94	0.45	6.91	9.38	160.33
SQU-DS	2025-09-01 22:00:00	13.20	26.72	0.45	6.94	9.38	160.11
SQU-DS	2025-09-01 22:15:00	13.19	26.38	0.45	6.90	9.39	160.04
SQU-DS	2025-09-01 22:30:00	13.17	26.05	0.45	6.93	9.40	159.94
SQU-DS	2025-09-01 22:45:00	13.13	25.88	0.45	6.89	9.40	159.90
SQU-DS	2025-09-01 23:00:00	13.10	25.85	0.45	6.94	9.40	159.98
SQU-DS	2025-09-01 23:15:00	13.03	25.29	0.45	6.94	9.43	158.35
SQU-DS	2025-09-01 23:30:00	12.97	25.03	0.45	6.93	9.45	158.30
SQU-DS	2025-09-01 23:45:00	12.91	25.13	0.45	6.93	9.46	158.13
SQU-DS	2025-09-02 00:00:00	12.83	25.15	0.45	6.92	9.47	157.84
SQU-DS	2025-09-02 00:15:00	12.74	24.71	0.45	6.94	9.50	151.05
SQU-DS	2025-09-02 00:30:00	12.65	24.60	0.45	6.88	9.51	147.34
SQU-DS	2025-09-02 00:45:00	12.57	24.50	0.45	6.89	9.52	146.84
SQU-DS	2025-09-02 01:00:00	12.48	24.50	0.45	6.93	9.53	146.84
SQU-DS	2025-09-02 01:15:00	12.40	24.54	0.45	6.92	9.56	146.60
SQU-DS	2025-09-02 01:30:00	12.31	24.21	0.45	6.93	9.58	146.70
SQU-DS	2025-09-02 01:45:00	12.22	24.00	0.45	6.92	9.59	146.61
SQU-DS	2025-09-02 02:00:00	12.13	23.94	0.45	6.94	9.61	145.90
SQU-DS	2025-09-02 02:15:00	12.05	23.70	0.45	6.90	9.64	146.50
SQU-DS	2025-09-02 02:30:00	11.97	23.71	0.45	6.92	9.67	146.23
SQU-DS	2025-09-02 02:45:00	11.90	23.38	0.45	6.94	9.68	146.28
SQU-DS	2025-09-02 03:00:00	11.83	23.27	0.45	6.94	9.69	145.62
SQU-DS	2025-09-02 03:15:00	11.75	22.93	0.45	6.90	9.73	145.50

Squamish River							
Station	Date/Time	Temperature (C)	Specific Conductivity (µS/cm)	ORP (V)	pH (pH units)	Dissolved Oxygen (mg/L)	Turbidity (NTU)
SQU-DS	2025-09-02 03:30:00	11.69	22.89	0.45	6.95	9.73	145.60
SQU-DS	2025-09-02 03:45:00	11.62	22.73	0.45	6.89	9.76	144.73
SQU-DS	2025-09-02 04:00:00	11.57	22.73	0.45	6.92	9.76	144.57
SQU-DS	2025-09-02 04:15:00	11.52	22.60	0.45	6.89	9.78	144.12
SQU-DS	2025-09-02 04:30:00	11.47	22.39	0.45	6.90	9.80	144.14
SQU-DS	2025-09-02 04:45:00	11.43	22.42	0.45	6.89	9.81	143.89
SQU-DS	2025-09-02 05:00:00	11.39	22.32	0.45	6.95	9.81	144.03
SQU-DS	2025-09-02 05:15:00	11.37	22.32	0.45	6.91	9.83	143.86
SQU-DS	2025-09-02 05:30:00	11.34	22.03	0.45	6.94	9.83	143.74
SQU-DS	2025-09-02 05:45:00	11.32	22.15	0.45	6.92	9.84	143.71
SQU-DS	2025-09-02 06:00:00	11.31	21.98	0.46	6.86	9.83	143.63
SQU-DS	2025-09-02 06:15:00	11.30	22.20	0.45	6.92	9.82	143.22
SQU-DS	2025-09-02 06:30:00	11.29	22.00	0.45	6.93	9.82	142.79
SQU-DS	2025-09-02 06:45:00	11.28	22.02	0.45	6.94	9.78	142.61
SQU-DS	2025-09-02 07:00:00	11.28	22.37	0.45	6.95	9.80	142.38
SQU-DS	2025-09-02 07:15:00	11.28	22.20	0.45	6.94	9.81	142.32
SQU-DS	2025-09-02 07:30:00	11.28	22.06	0.45	6.96	9.82	142.06
SQU-DS	2025-09-02 07:45:00	11.29	22.15	0.45	6.94	9.81	142.35
SQU-DS	2025-09-02 08:00:00	11.30	22.14	0.45	6.95	9.80	142.33
SQU-DS	2025-09-02 08:15:00	11.32	22.56	0.45	6.95	9.79	142.43
SQU-DS	2025-09-02 08:30:00	11.33	22.53	0.45	6.95	9.79	142.35
SQU-DS	2025-09-02 08:45:00	11.35	22.31	0.45	6.95	9.80	141.94
SQU-DS	2025-09-02 09:00:00	11.37	22.62	0.45	6.95	9.79	141.99
SQU-DS	2025-09-02 09:15:00	11.40	22.65	0.45	6.95	9.79	140.98
SQU-DS	2025-09-02 09:30:00	11.43	22.77	0.45	6.96	9.79	137.88
SQU-DS	2025-09-02 09:45:00	11.47	22.67	0.46	6.92	9.81	137.41
SQU-DS	2025-09-02 10:00:00	11.51	23.02	0.46	6.90	9.80	137.34
SQU-DS	2025-09-02 10:15:00	11.55	23.24	0.45	6.94	9.79	135.77
SQU-DS	2025-09-02 10:30:00	11.58	22.86	0.45	6.92	9.79	135.18
SQU-DS	2025-09-02 10:45:00	11.64	23.27	0.45	6.93	9.79	134.91
SQU-DS	2025-09-02 11:00:00	11.69	23.29	0.45	6.94	9.79	133.56
SQU-DS	2025-09-02 11:15:00	11.74	23.65	0.45	6.91	9.77	133.17
SQU-DS	2025-09-02 11:30:00	11.79	23.60	0.45	6.90	9.75	132.95
SQU-DS	2025-09-02 11:45:00	11.84	24.03	0.45	6.95	9.75	74.53
SQU-DS	2025-09-02 12:00:00	11.88	23.94	0.45	6.96	9.75	73.78
SQU-DS	2025-09-02 12:15:00	11.92	24.01	0.45	6.93	9.75	73.64
SQU-DS	2025-09-02 12:30:00	11.95	23.93	0.45	6.93	9.73	73.64
SQU-DS	2025-09-02 12:45:00	11.96	24.13	0.45	6.96	9.73	74.08
SQU-DS	2025-09-02 13:00:00	11.98	24.39	0.45	6.96	9.73	74.04
SQU-DS	2025-09-02 13:15:00	11.98	24.06	0.45	6.95	9.74	74.95
SQU-DS	2025-09-02 13:30:00	12.02	24.45	0.45	6.97	9.72	74.93
SQU-DS	2025-09-02 13:45:00	12.05	23.74	0.45	7.06	9.73	207.54
SQU-DS	2025-09-02 14:00:00	12.08	23.96	0.45	6.99	9.72	183.70
SQU-DS	2025-09-02 14:15:00	12.10	23.86	0.45	7.05	9.71	209.95
SQU-DS	2025-09-02 14:30:00	12.15	24.37	0.46	6.97	9.69	158.16
SQU-DS	2025-09-02 14:45:00	12.15	23.93	0.45	7.04	9.68	158.48
SQU-DS	2025-09-02 15:00:00	12.20	24.52	0.45	7.02	9.65	194.33
SQU-DS	2025-09-02 15:15:00	12.22	24.42	0.45	7.07	9.65	165.76
SQU-DS	2025-09-02 15:30:00	12.26	24.68	0.46	7.04	9.62	180.45
SQU-DS	2025-09-02 15:45:00	12.28	24.65	0.46	7.05	9.62	170.96
SQU-DS	2025-09-02 16:00:00	12.30	25.02	0.46	7.06	9.61	178.26
SQU-DS	2025-09-02 16:15:00	12.31	25.10	0.46	7.06	9.62	149.18
SQU-DS	2025-09-02 16:30:00	12.32	25.40	0.46	7.09	9.59	164.39
SQU-DS	2025-09-02 16:45:00	12.34	25.84	0.46	7.08	9.58	150.65
SQU-DS	2025-09-02 17:00:00	12.34	26.00	0.46	7.07	9.55	163.14

Squamish River							
Station	Date/Time	Temperature (C)	Specific Conductivity (µS/cm)	ORP (V)	pH (pH units)	Dissolved Oxygen (mg/L)	Turbidity (NTU)
SQU-DS	2025-09-02 17:15:00	12.32	26.03	0.46	7.08	9.55	189.79
SQU-DS	2025-09-02 17:30:00	12.33	26.57	0.46	7.03	9.55	149.21
SQU-DS	2025-09-02 17:45:00	12.32	27.02	0.46	7.00	9.55	131.63
SQU-DS	2025-09-02 18:00:00	12.29	27.25	0.46	7.06	9.55	150.64
SQU-DS	2025-09-02 18:15:00	12.28	27.63	0.46	7.07	9.52	164.81
SQU-DS	2025-09-02 18:30:00	12.24	27.54	0.46	7.06	9.54	164.86
SQU-DS	2025-09-02 18:45:00	12.21	27.47	0.46	7.04	9.53	155.53
SQU-DS	2025-09-02 19:00:00	12.20	27.83	0.46	7.04	9.52	137.68
SQU-DS	2025-09-02 19:15:00	12.17	27.75	0.46	7.08	9.53	155.17
SQU-DS	2025-09-02 19:30:00	12.16	27.90	0.46	7.07	9.51	139.39
SQU-DS	2025-09-02 19:45:00	12.14	27.79	0.46	6.97	9.50	133.64
SQU-DS	2025-09-02 20:00:00	12.11	27.10	0.46	7.02	9.56	121.76
SQU-DS	2025-09-02 20:15:00	12.12	27.55	0.46	7.06	9.51	146.45
SQU-DS	2025-09-02 20:30:00	12.11	27.19	0.46	6.99	9.51	139.68
SQU-DS	2025-09-02 20:45:00	12.11	27.21	0.46	6.99	9.51	294.88
SQU-DS	2025-09-02 21:00:00	12.11	26.90	0.46	7.04	9.52	161.53
SQU-DS	2025-09-02 21:15:00	12.10	26.57	0.46	7.06	9.54	166.27
SQU-DS	2025-09-02 21:30:00	12.09	26.33	0.46	7.01	9.56	150.56
SQU-DS	2025-09-02 21:45:00	12.09	26.51	0.46	7.06	9.55	183.47
SQU-DS	2025-09-02 22:00:00	12.06	26.00	0.46	7.04	9.57	194.72
SQU-DS	2025-09-02 22:15:00	12.01	24.92	0.46	7.06	9.60	183.69
SQU-DS	2025-09-02 22:30:00	12.03	25.44	0.46	7.04	9.60	179.00
SQU-DS	2025-09-02 22:45:00	12.00	25.26	0.46	7.01	9.60	242.43
SQU-DS	2025-09-02 23:00:00	11.96	24.95	0.46	7.00	9.61	203.65
SQU-DS	2025-09-02 23:15:00	11.93	24.61	0.46	7.05	9.63	209.12
SQU-DS	2025-09-02 23:30:00	11.89	24.48	0.46	7.04	9.65	230.81
SQU-DS	2025-09-02 23:45:00	11.85	24.53	0.46	7.07	9.64	243.70
SQU-DS	2025-09-03 00:00:00	11.79	24.11	0.46	7.06	9.67	241.42
SQU-DS	2025-09-03 00:15:00	11.76	24.00	0.47	6.97	9.69	305.52
SQU-DS	2025-09-03 00:30:00	11.69	23.80	0.46	7.03	9.70	326.77
SQU-DS	2025-09-03 00:45:00	11.62	23.49	0.46	7.03	9.71	327.86
SQU-DS	2025-09-03 01:00:00	11.59	23.72	0.46	7.03	9.71	335.17
SQU-DS	2025-09-03 01:15:00	11.52	23.42	0.46	7.03	9.74	325.05
SQU-DS	2025-09-03 01:30:00	11.47	23.37	0.46	7.05	9.74	340.91
SQU-DS	2025-09-03 01:45:00	11.41	23.32	0.47	6.98	9.77	366.96
SQU-DS	2025-09-03 02:00:00	11.35	22.99	0.46	7.03	9.77	384.56
SQU-DS	2025-09-03 02:15:00	11.27	22.39	0.46	7.05	9.82	371.38
SQU-DS	2025-09-03 02:30:00	11.24	22.80	0.46	7.01	9.80	359.40
SQU-DS	2025-09-03 02:45:00	11.17	22.61	0.47	6.98	9.83	399.86
SQU-DS	2025-09-03 03:00:00	11.09	22.07	0.47	6.99	9.86	386.24
SQU-DS	2025-09-03 03:15:00	11.07	22.27	0.46	7.02	9.86	342.84
SQU-DS	2025-09-03 03:30:00	11.01	22.21	0.47	7.00	9.87	351.44
SQU-DS	2025-09-03 03:45:00	10.93	21.71	0.47	7.00	9.90	333.25
SQU-DS	2025-09-03 04:00:00	10.91	21.77	0.47	7.00	9.90	335.15
SQU-DS	2025-09-03 04:15:00	10.87	21.76	0.47	7.00	9.92	359.05
SQU-DS	2025-09-03 04:30:00	10.83	21.54	0.47	6.92	9.91	396.97
SQU-DS	2025-09-03 04:45:00	10.80	21.61	0.47	7.02	9.94	331.83
SQU-DS	2025-09-03 05:00:00	10.77	21.58	0.47	7.01	9.93	308.79
SQU-DS	2025-09-03 05:15:00	10.75	21.65	0.47	7.00	9.94	312.95
SQU-DS	2025-09-03 05:30:00	10.73	21.63	0.47	6.98	9.94	405.87
SQU-DS	2025-09-03 05:45:00	10.72	21.64	0.47	6.97	9.94	278.56
SQU-DS	2025-09-03 06:00:00	10.71	21.54	0.47	7.00	9.94	279.57
SQU-DS	2025-09-03 06:15:00	10.71	21.77	0.47	6.97	9.93	263.18
SQU-DS	2025-09-03 06:30:00	10.70	21.61	0.47	6.98	9.92	334.46
SQU-DS	2025-09-03 06:45:00	10.70	21.50	0.47	6.97	9.91	319.87

Squamish River							
Station	Date/Time	Temperature (C)	Specific Conductivity (µS/cm)	ORP (V)	pH (pH units)	Dissolved Oxygen (mg/L)	Turbidity (NTU)
SQU-DS	2025-09-03 07:00:00	10.72	21.78	0.47	7.00	9.90	218.80
SQU-DS	2025-09-03 07:15:00	10.73	21.76	0.47	7.01	9.90	227.73
SQU-DS	2025-09-03 07:30:00	10.74	21.60	0.47	6.98	9.89	251.62
SQU-DS	2025-09-03 07:45:00	10.77	21.95	0.47	7.03	9.87	291.83
SQU-DS	2025-09-03 08:00:00	10.79	21.92	0.47	6.98	9.85	308.98
SQU-DS	2025-09-03 08:15:00	10.81	22.04	0.47	6.99	9.85	220.15
SQU-DS	2025-09-03 08:30:00	10.84	22.20	0.47	6.97	9.84	240.53
SQU-DS	2025-09-03 08:45:00	10.87	22.01	0.47	6.93	9.85	239.65
SQU-DS	2025-09-03 09:00:00	10.90	21.84	0.47	6.97	9.83	194.76
SQU-DS	2025-09-03 09:15:00	10.95	22.40	0.47	6.96	9.81	237.16
SQU-DS	2025-09-03 09:30:00	11.00	22.79	0.47	6.93	9.80	235.26
SQU-DS	2025-09-03 09:45:00	11.03	22.54	0.47	6.98	9.80	243.79
SQU-DS	2025-09-03 10:00:00	11.06	22.51	0.47	6.93	9.80	204.73
SQU-DS	2025-09-03 10:15:00	11.11	23.08	0.47	6.98	9.78	208.08
SQU-DS	2025-09-03 10:30:00	11.15	22.87	0.47	6.97	9.78	205.85
SQU-DS	2025-09-03 10:45:00	11.20	23.10	0.47	6.93	9.76	254.83
SQU-DS	2025-09-03 11:00:00	11.26	23.24	0.47	6.97	9.77	226.90
SQU-DS	2025-09-03 11:15:00	11.31	23.42	0.47	6.99	9.74	198.95
SQU-DS	2025-09-03 11:30:00	11.34	23.33	0.47	6.95	9.77	217.35
SQU-DS	2025-09-03 11:45:00	11.40	23.71	0.47	6.96	9.76	193.95
SQU-DS	2025-09-03 12:00:00	11.45	24.04	0.47	7.00	9.72	179.02
SQU-DS	2025-09-03 12:15:00	11.49	23.65	0.47	6.94	9.75	182.67
SQU-DS	2025-09-03 12:30:00	11.53	23.79	0.47	6.99	9.73	215.43
SQU-DS	2025-09-03 12:45:00	11.55	23.54	0.47	6.95	9.72	209.79
SQU-DS	2025-09-03 13:00:00	11.61	23.98	0.46	7.00	9.72	215.09
SQU-DS	2025-09-03 13:15:00	11.67	24.24	0.46	7.00	9.68	166.90
SQU-DS	2025-09-03 13:30:00	11.71	24.23	0.47	6.97	9.66	193.31
SQU-DS	2025-09-03 13:45:00	11.76	24.42	0.46	6.99	9.67	155.99
SQU-DS	2025-09-03 14:00:00	11.81	24.53	0.46	7.02	9.65	171.51
SQU-DS	2025-09-03 14:15:00	11.88	24.72	0.46	6.99	9.63	186.61
SQU-DS	2025-09-03 14:30:00	11.91	24.73	0.46	7.00	9.62	155.37
SQU-DS	2025-09-03 14:45:00	11.94	24.56	0.46	7.02	9.65	150.80
SQU-DS	2025-09-03 15:00:00	12.00	24.93	0.46	7.03	9.63	164.81
SQU-DS	2025-09-03 15:15:00	12.05	25.17	0.46	7.01	9.61	157.99
SQU-DS	2025-09-03 15:30:00	12.08	25.27	0.46	7.06	9.58	168.06
SQU-DS	2025-09-03 15:45:00	12.09	25.12	0.46	7.05	9.57	147.26
SQU-DS	2025-09-03 16:00:00	12.13	25.42	0.46	7.03	9.50	132.40
SQU-DS	2025-09-03 16:15:00	12.17	25.72	0.46	7.06	9.50	194.21
SQU-DS	2025-09-03 16:30:00	12.20	26.10	0.46	7.06	9.47	157.58
SQU-DS	2025-09-03 16:45:00	12.22	26.26	0.46	7.05	9.39	168.09
SQU-DS	2025-09-03 17:00:00	12.24	26.78	0.46	7.08	9.37	145.38
SQU-DS	2025-09-03 17:15:00	12.25	27.05	0.46	7.07	9.33	165.85
SQU-DS	2025-09-03 17:30:00	12.26	27.46	0.46	7.09	9.36	113.70
SQU-DS	2025-09-03 17:45:00	12.25	28.11	0.47	7.05	9.22	152.79
SQU-DS	2025-09-03 18:00:00	12.24	28.52	0.47	7.08	9.40	149.71
SQU-DS	2025-09-03 18:15:00	12.24	28.77	0.47	7.07	9.31	181.53
SQU-DS	2025-09-03 18:30:00	12.21	28.76	0.47	7.07	9.32	149.03
SQU-DS	2025-09-03 18:45:00	12.20	28.93	0.47	7.09	9.38	130.94
SQU-DS	2025-09-03 19:00:00	12.19	28.99	0.47	7.08	9.37	137.67
SQU-DS	2025-09-03 19:15:00	12.20	29.44	0.47	7.09	9.32	162.68
SQU-DS	2025-09-03 19:30:00	12.19	29.63	0.47	7.07	9.32	158.02
SQU-DS	2025-09-03 19:45:00	12.19	29.26	0.47	7.08	9.34	132.77
SQU-DS	2025-09-03 20:00:00	12.20	29.49	0.47	7.07	9.34	115.63
SQU-DS	2025-09-03 20:15:00	12.21	29.13	0.47	7.07	9.31	164.52
SQU-DS	2025-09-03 20:30:00	12.23	29.23	0.47	7.06	9.33	133.03

Squamish River							
Station	Date/Time	Temperature (C)	Specific Conductivity (µS/cm)	ORP (V)	pH (pH units)	Dissolved Oxygen (mg/L)	Turbidity (NTU)
SQU-DS	2025-09-03 20:45:00	12.24	28.98	0.47	7.08	9.29	179.35
SQU-DS	2025-09-03 21:00:00	12.26	28.59	0.47	7.05	9.31	180.45
SQU-DS	2025-09-03 21:15:00	12.27	28.02	0.47	7.08	9.34	163.23
SQU-DS	2025-09-03 21:30:00	12.28	27.67	0.47	7.06	9.32	185.08
SQU-DS	2025-09-03 21:45:00	12.30	27.77	0.47	7.06	9.36	154.67
SQU-DS	2025-09-03 22:00:00	12.30	27.04	0.47	7.07	9.35	197.16
SQU-DS	2025-09-03 22:15:00	12.29	26.40	0.47	7.07	9.40	198.61
SQU-DS	2025-09-03 22:30:00	12.28	26.29	0.47	7.07	9.36	199.10
SQU-DS	2025-09-03 22:45:00	12.27	25.95	0.47	7.08	9.39	214.11
SQU-DS	2025-09-03 23:00:00	12.25	26.06	0.47	7.08	9.38	203.17
SQU-DS	2025-09-03 23:15:00	12.22	25.88	0.47	7.08	9.36	218.73
SQU-DS	2025-09-03 23:30:00	12.17	25.47	0.47	7.06	9.35	199.87
SQU-DS	2025-09-03 23:45:00	12.12	25.19	0.47	7.04	9.37	239.94
SQU-DS	2025-09-04 00:00:00	12.07	24.78	0.47	7.06	9.46	265.57
SQU-DS	2025-09-04 00:15:00	12.01	24.83	0.47	7.07	9.41	267.60
SQU-DS	2025-09-04 00:30:00	11.95	24.75	0.47	7.08	9.33	261.63
SQU-DS	2025-09-04 00:45:00	11.89	24.68	0.47	7.06	9.44	245.73
SQU-DS	2025-09-04 01:00:00	11.83	24.43	0.47	7.05	9.44	244.51
SQU-DS	2025-09-04 01:15:00	11.75	24.07	0.48	7.04	9.46	273.55
SQU-DS	2025-09-04 01:30:00	11.68	24.01	0.48	7.03	9.35	313.55
SQU-DS	2025-09-04 01:45:00	11.61	23.79	0.48	7.05	9.20	373.88
SQU-DS	2025-09-04 02:00:00	11.55	23.86	0.47	7.10	9.34	354.44
SQU-DS	2025-09-04 02:15:00	11.48	23.61	0.47	7.12	9.17	292.60
SQU-DS	2025-09-04 02:30:00	11.40	23.52	0.47	7.12	9.33	349.50
SQU-DS	2025-09-04 02:45:00	11.34	23.41	0.47	7.13	9.23	351.85
SQU-DS	2025-09-04 03:00:00	11.27	23.34	0.47	7.14	9.37	329.03
SQU-DS	2025-09-04 03:15:00	11.21	22.94	0.47	7.13	9.13	381.60
SQU-DS	2025-09-04 03:30:00	11.16	23.09	0.47	7.12	9.29	323.51
SQU-DS	2025-09-04 03:45:00	11.10	22.81	0.47	7.11	9.24	336.47
SQU-DS	2025-09-04 04:00:00	11.06	22.77	0.47	7.09	8.96	317.66
SQU-DS	2025-09-04 04:15:00	11.01	22.36	0.47	7.07	8.64	341.01
SQU-DS	2025-09-04 04:30:00	10.98	22.31	0.47	7.06	8.63	242.81
SQU-DS	2025-09-04 04:45:00	10.94	22.24	0.47	7.04	9.05	279.61
SQU-DS	2025-09-04 05:00:00	10.91	22.36	0.47	7.03	9.22	333.33
SQU-DS	2025-09-04 05:15:00	10.88	21.86	0.47	7.02	8.62	332.93
SQU-DS	2025-09-04 05:30:00	10.85	21.95	0.48	7.01	8.28	326.01
SQU-DS	2025-09-04 05:45:00	10.83	22.08	0.48	6.99	8.87	295.55
SQU-DS	2025-09-04 06:00:00	10.82	22.41	0.48	6.98	8.47	276.11
SQU-DS	2025-09-04 06:15:00	10.81	22.52	0.48	6.97	8.08	296.93
SQU-DS	2025-09-04 06:30:00	10.81	22.68	0.48	6.97	8.53	327.83
SQU-DS	2025-09-04 06:45:00	10.80	22.79	0.48	6.95	6.89	245.68
SQU-DS	2025-09-04 07:00:00	10.81	22.90	0.48	6.95	5.74	242.66
SQU-DS	2025-09-04 07:15:00	10.82	23.26	0.48	6.94	5.08	287.02
SQU-DS	2025-09-04 07:30:00	10.83	23.53	0.48	6.93	4.09	288.95
SQU-DS	2025-09-04 07:45:00	10.85	23.80	0.48	6.93	3.00	218.44
SQU-DS	2025-09-04 08:00:00	10.88	24.06	0.48	6.91	2.50	218.85
SQU-DS	2025-09-04 08:15:00	10.90	24.19	0.48	6.91	2.08	205.07
SQU-DS	2025-09-04 08:30:00	10.93	24.45	0.49	6.89	1.85	231.45
SQU-DS	2025-09-04 08:45:00	10.96	24.53	0.49	6.88	1.87	214.04
SQU-DS	2025-09-04 09:00:00	10.99	24.58	0.49	6.88	1.89	225.41
SQU-DS	2025-09-04 09:15:00	11.03	24.78	0.49	6.87	1.76	223.40
SQU-DS	2025-09-04 09:30:00	11.07	25.01	0.49	6.86	1.48	231.43
SQU-DS	2025-09-04 09:45:00	11.10	25.12	0.49	6.85	1.16	227.41
SQU-DS	2025-09-04 10:00:00	11.15	25.39	0.49	6.84	0.84	214.40
SQU-DS	2025-09-04 10:15:00	11.20	25.51	0.49	6.83	0.60	219.86

Squamish River							
Station	Date/Time	Temperature (C)	Specific Conductivity (µS/cm)	ORP (V)	pH (pH units)	Dissolved Oxygen (mg/L)	Turbidity (NTU)
SQU-DS	2025-09-04 10:30:00	11.25	25.72	0.49	6.83	0.49	227.35
SQU-DS	2025-09-04 10:45:00	11.29	25.90	0.49	6.83	0.35	204.91
SQU-DS	2025-09-04 11:00:00	11.34	26.15	0.48	6.82	0.25	202.57
SQU-DS	2025-09-04 11:15:00	11.39	26.26	0.48	6.82	0.19	190.15
SQU-DS	2025-09-04 11:30:00	11.42	26.48	0.48	6.82	0.14	205.36
SQU-DS	2025-09-04 11:45:00	11.47	26.58	0.47	6.82	0.10	197.70
SQU-DS	2025-09-04 12:00:00	11.52	26.66	0.47	6.81	0.06	220.42
SQU-DS	2025-09-04 12:15:00	11.57	26.81	0.47	6.81	0.04	192.47
SQU-DS	2025-09-04 12:30:00	11.62	27.05	0.46	6.81	0.02	235.22
SQU-DS	2025-09-04 12:45:00	11.67	27.07	0.46	6.81	0.00	288.49
SQU-DS	2025-09-04 13:00:00	11.73	27.40	0.45	6.80	0.00	341.79
SQU-DS	2025-09-04 13:15:00	11.78	27.37	0.45	6.80	0.00	455.29
SQU-DS	2025-09-04 13:30:00	11.83	27.38	0.45	6.80	0.00	757.56
SQU-DS	2025-09-04 13:45:00	11.87	27.67	0.44	6.80	0.00	935.52
SQU-DS	2025-09-04 14:00:00	11.93	27.74	0.44	6.79	0.00	1003.65
SQU-DS	2025-09-04 14:15:00	11.99	27.88	0.43	6.79	0.00	916.75
SQU-DS	2025-09-04 14:30:00	12.03	28.04	0.43	6.78	0.00	768.61
SQU-DS	2025-09-04 14:45:00	12.08	28.26	0.42	6.78	0.00	494.71
SQU-DS	2025-09-04 15:00:00	12.14	28.47	0.42	6.78	0.00	411.44
SQU-DS	2025-09-04 15:15:00	12.18	28.64	0.42	6.78	0.00	411.54
SQU-DS	2025-09-04 15:30:00	12.22	28.65	0.41	6.78	0.00	443.40
SQU-DS	2025-09-04 15:45:00	12.25	28.93	0.41	6.78	0.00	401.05
SQU-DS	2025-09-04 16:00:00	12.29	29.32	0.40	6.77	0.00	401.79
SQU-DS	2025-09-04 16:15:00	12.33	29.60	0.40	6.77	0.00	376.76
SQU-DS	2025-09-04 16:30:00	12.36	30.13	0.40	6.77	0.00	394.51
SQU-DS	2025-09-04 16:45:00	12.37	30.66	0.39	6.76	0.00	444.71
SQU-DS	2025-09-04 17:00:00	12.39	31.46	0.39	6.75	0.00	369.19
SQU-DS	2025-09-04 17:15:00	12.42	32.05	0.39	6.75	0.00	243.04
SQU-DS	2025-09-04 17:30:00	12.44	32.34	0.38	6.74	0.00	199.43
SQU-DS	2025-09-04 17:45:00	12.44	32.42	0.38	6.74	0.00	179.49
SQU-DS	2025-09-04 18:00:00	12.43	33.00	0.38	6.74	0.00	146.35
SQU-DS	2025-09-04 18:15:00	12.43	33.35	0.37	6.74	0.00	128.59
SQU-DS	2025-09-04 18:30:00	12.43	33.79	0.37	6.74	0.00	89.73
SQU-DS	2025-09-04 18:45:00	12.41	34.30	0.37	6.74	0.00	40.05
SQU-DS	2025-09-04 19:00:00	12.40	34.53	0.37	6.74	0.00	20.44
SQU-DS	2025-09-04 19:15:00	12.38	35.03	0.36	6.74	0.00	9.97
SQU-DS	2025-09-04 19:30:00	12.37	35.16	0.36	6.74	0.00	10.21
SQU-DS	2025-09-04 19:45:00	12.35	35.39	0.36	6.74	0.00	5.88
SQU-DS	2025-09-04 20:00:00	12.34	35.76	0.36	6.74	0.00	3.32
SQU-DS	2025-09-04 20:15:00	12.33	35.98	0.35	6.74	0.00	2.36
SQU-DS	2025-09-04 20:30:00	12.32	36.01	0.35	6.74	0.00	1.69
SQU-DS	2025-09-04 20:45:00	12.31	35.93	0.35	6.75	0.00	1.48
SQU-DS	2025-09-04 21:00:00	12.31	35.88	0.35	6.75	0.00	1.09
SQU-DS	2025-09-04 21:15:00	12.31	35.92	0.34	6.75	0.00	0.88
SQU-DS	2025-09-04 21:30:00	12.32	35.96	0.34	6.75	0.00	0.66
SQU-DS	2025-09-04 21:45:00	12.32	36.02	0.34	6.75	0.00	0.59
SQU-DS	2025-09-04 22:00:00	12.32	36.12	0.34	6.75	0.00	0.44
SQU-DS	2025-09-04 22:15:00	12.31	35.92	0.33	6.75	0.00	0.34
SQU-DS	2025-09-04 22:30:00	12.30	35.81	0.33	6.75	0.00	0.25
SQU-DS	2025-09-04 22:45:00	12.29	35.70	0.33	6.76	0.00	0.19
SQU-DS	2025-09-04 23:00:00	12.27	35.95	0.32	6.76	0.00	0.01
SQU-DS	2025-09-04 23:15:00	12.25	36.21	0.32	6.76	0.00	0.00
SQU-DS	2025-09-04 23:30:00	12.22	36.40	0.32	6.76	0.00	0.00
SQU-DS	2025-09-04 23:45:00	12.18	36.66	0.32	6.76	0.00	0.00
SQU-DS	2025-09-05 00:00:00	12.13	36.94	0.31	6.76	0.00	0.00

Squamish River							
Station	Date/Time	Temperature (C)	Specific Conductivity (µS/cm)	ORP (V)	pH (pH units)	Dissolved Oxygen (mg/L)	Turbidity (NTU)
SQU-DS	2025-09-05 00:15:00	12.08	36.99	0.31	6.76	0.00	0.00
SQU-DS	2025-09-05 00:30:00	12.01	37.38	0.31	6.76	0.00	0.00
SQU-DS	2025-09-05 00:45:00	11.94	37.53	0.30	6.76	0.00	0.00
SQU-DS	2025-09-05 01:00:00	11.88	37.91	0.30	6.76	0.00	0.00
SQU-DS	2025-09-05 01:15:00	11.81	38.30	0.30	6.75	0.00	0.00
SQU-DS	2025-09-05 01:30:00	11.75	38.68	0.30	6.75	0.00	0.00
SQU-DS	2025-09-05 01:45:00	11.68	39.18	0.29	6.75	0.00	0.00
SQU-DS	2025-09-05 02:00:00	11.61	39.52	0.29	6.75	0.00	0.00
SQU-DS	2025-09-05 02:15:00	11.55	40.07	0.29	6.75	0.00	0.00
SQU-DS	2025-09-05 02:30:00	11.48	40.45	0.28	6.74	0.00	0.00
SQU-DS	2025-09-05 02:45:00	11.42	41.09	0.28	6.74	0.00	0.00
SQU-DS	2025-09-05 03:00:00	11.35	41.73	0.28	6.74	0.00	0.00
SQU-DS	2025-09-05 03:15:00	11.28	42.48	0.27	6.74	0.00	0.00
SQU-DS	2025-09-05 03:30:00	11.21	43.09	0.27	6.74	0.00	0.00
SQU-DS	2025-09-05 03:45:00	11.13	43.67	0.27	6.74	0.00	0.00
SQU-DS	2025-09-05 04:00:00	11.03	43.87	0.26	6.74	0.00	0.83
SQU-DS	2025-09-05 04:15:00	10.95	44.35	0.26	6.75	0.00	0.49
SQU-DS	2025-09-05 04:30:00	10.85	44.84	0.26	6.75	0.00	0.32
SQU-DS	2025-09-05 04:45:00	10.77	45.29	0.25	6.75	0.00	0.12
SQU-DS	2025-09-05 05:00:00	10.70	45.77	0.25	6.75	0.00	0.05
SQU-DS	2025-09-05 05:15:00	10.64	46.17	0.24	6.75	0.00	0.00
SQU-DS	2025-09-05 05:30:00	10.59	46.56	0.24	6.75	0.00	0.00
SQU-DS	2025-09-05 05:45:00	10.55	46.99	0.23	6.75	0.00	0.00
SQU-DS	2025-09-05 06:00:00	10.51	47.38	0.23	6.75	0.00	0.00
SQU-DS	2025-09-05 06:15:00	10.47	47.75	0.23	6.75	0.00	0.00
SQU-DS	2025-09-05 06:30:00	10.45	48.05	0.22	6.76	0.00	0.00
SQU-DS	2025-09-05 06:45:00	10.43	48.32	0.22	6.76	0.00	0.00
SQU-DS	2025-09-05 07:00:00	10.42	48.59	0.21	6.76	0.00	0.00
SQU-DS	2025-09-05 07:15:00	10.41	48.87	0.21	6.76	0.00	0.00
SQU-DS	2025-09-05 07:30:00	10.40	49.16	0.20	6.77	0.00	0.00
SQU-DS	2025-09-05 07:45:00	10.39	49.42	0.20	6.77	0.00	0.00
SQU-DS	2025-09-05 08:00:00	10.39	49.68	0.19	6.77	0.00	0.00
SQU-DS	2025-09-05 08:15:00	10.40	49.94	0.18	6.77	0.00	0.00
SQU-DS	2025-09-05 08:30:00	10.41	50.18	0.18	6.77	0.00	0.00
SQU-DS	2025-09-05 08:45:00	10.42	50.41	0.17	6.77	0.00	0.00
SQU-DS	2025-09-05 09:00:00	10.44	50.66	0.17	6.77	0.00	0.00
SQU-DS	2025-09-05 09:15:00	10.46	50.90	0.16	6.78	0.00	0.00
SQU-DS	2025-09-05 09:30:00	10.48	51.14	0.15	6.78	0.00	0.00
SQU-DS	2025-09-05 09:45:00	10.51	51.37	0.15	6.78	0.00	0.00
SQU-DS	2025-09-05 10:00:00	10.53	51.60	0.14	6.78	0.00	0.00
SQU-DS	2025-09-05 10:15:00	10.56	51.84	0.13	6.78	0.00	0.00
SQU-DS	2025-09-05 10:30:00	10.60	52.07	0.12	6.78	0.00	0.00
SQU-DS	2025-09-05 10:45:00	10.63	52.32	0.12	6.78	0.00	0.00
SQU-DS	2025-09-05 11:00:00	10.67	52.54	0.11	6.78	0.00	0.00
SQU-DS	2025-09-05 11:15:00	10.71	52.78	0.11	6.78	0.00	0.00
SQU-DS	2025-09-05 11:30:00	10.75	53.01	0.10	6.78	0.00	0.00
SQU-DS	2025-09-05 11:45:00	10.78	53.25	0.09	6.78	0.00	0.00
SQU-DS	2025-09-05 12:00:00	10.81	53.49	0.09	6.78	0.00	0.00
SQU-DS	2025-09-05 12:15:00	10.85	53.73	0.08	6.78	0.00	0.00
SQU-DS	2025-09-05 12:30:00	10.88	53.97	0.07	6.78	0.00	0.00
SQU-DS	2025-09-05 12:45:00	10.92	54.18	0.07	6.78	0.00	0.00
SQU-DS	2025-09-05 13:00:00	10.95	54.44	0.06	6.79	0.00	0.00
SQU-DS	2025-09-05 13:15:00	10.99	54.70	0.05	6.79	0.00	0.00
SQU-DS	2025-09-05 13:30:00	11.02	54.94	0.05	6.79	0.00	0.00
SQU-DS	2025-09-05 13:45:00	11.07	55.17	0.04	6.79	0.00	0.00

Squamish River							
Station	Date/Time	Temperature (C)	Specific Conductivity (µS/cm)	ORP (V)	pH (pH units)	Dissolved Oxygen (mg/L)	Turbidity (NTU)
SQU-DS	2025-09-05 14:00:00	11.10	55.40	0.03	6.79	0.00	0.00
SQU-DS	2025-09-05 14:15:00	11.15	55.62	0.03	6.79	0.00	0.00
SQU-DS	2025-09-05 14:30:00	11.20	55.86	0.02	6.79	0.00	0.00
SQU-DS	2025-09-05 14:45:00	11.24	56.07	0.02	6.79	0.00	0.00
SQU-DS	2025-09-05 15:00:00	11.28	56.28	0.01	6.79	0.00	0.00
SQU-DS	2025-09-05 15:15:00	11.32	56.50	0.01	6.79	0.00	0.00
SQU-DS	2025-09-05 15:30:00	11.36	56.73	0.00	6.79	0.00	0.00
SQU-DS	2025-09-05 15:45:00	11.39	56.96	0.00	6.79	0.00	0.00
SQU-DS	2025-09-05 16:00:00	11.42	57.18	-0.01	6.79	0.00	0.00
SQU-DS	2025-09-05 16:15:00	11.45	57.41	-0.01	6.79	0.00	0.00
SQU-DS	2025-09-05 16:30:00	11.48	57.64	-0.01	6.79	0.00	0.00
SQU-DS	2025-09-05 16:45:00	11.50	57.88	-0.02	6.79	0.00	0.00
SQU-DS	2025-09-05 17:00:00	11.58	26.71	0.35	7.12	9.14	146.52
SQU-DS	2025-09-05 17:15:00	11.59	26.94	0.39	7.04	9.49	159.10
SQU-DS	2025-09-05 17:30:00	11.59	27.18	0.40	7.02	9.49	128.05
SQU-DS	2025-09-05 17:45:00	11.56	27.18	0.40	7.02	9.49	145.71
SQU-DS	2025-09-05 18:00:00	11.57	27.67	0.40	7.05	9.50	135.38
SQU-DS	2025-09-05 18:15:00	11.57	28.00	0.40	7.03	9.47	131.91
SQU-DS	2025-09-05 18:30:00	11.56	28.59	0.40	7.06	9.49	170.97
SQU-DS	2025-09-05 18:45:00	11.55	29.15	0.40	7.07	9.46	150.25
SQU-DS	2025-09-05 19:00:00	11.53	29.58	0.41	7.00	9.45	133.53
SQU-DS	2025-09-05 19:15:00	11.50	29.50	0.41	7.01	9.46	130.28
SQU-DS	2025-09-05 19:30:00	11.50	30.11	0.40	7.08	9.45	110.56
SQU-DS	2025-09-05 19:45:00	11.48	30.21	0.41	7.06	9.45	167.96
SQU-DS	2025-09-05 20:00:00	11.46	30.21	0.41	6.93	9.44	143.71
SQU-DS	2025-09-05 20:15:00	11.42	29.23	0.41	7.08	9.47	169.29
SQU-DS	2025-09-05 20:30:00	11.43	29.54	0.41	6.96	9.46	133.02
SQU-DS	2025-09-05 20:45:00	11.42	29.29	0.41	7.01	9.48	142.61
SQU-DS	2025-09-05 21:00:00	11.41	29.28	0.41	7.07	9.49	131.04
SQU-DS	2025-09-05 21:15:00	11.39	28.52	0.41	7.00	9.52	159.36
SQU-DS	2025-09-05 21:30:00	11.39	28.44	0.41	7.03	9.52	158.87
SQU-DS	2025-09-05 21:45:00	11.37	27.80	0.41	7.01	9.54	197.21
SQU-DS	2025-09-05 22:00:00	11.36	27.37	0.41	7.07	9.56	141.14
SQU-DS	2025-09-05 22:15:00	11.33	26.84	0.42	7.03	9.58	194.35
SQU-DS	2025-09-05 22:30:00	11.33	26.54	0.42	7.05	9.59	213.28
SQU-DS	2025-09-05 22:45:00	11.31	26.36	0.42	7.04	9.58	198.24
SQU-DS	2025-09-05 23:00:00	11.29	26.09	0.42	7.03	9.61	187.41
SQU-DS	2025-09-05 23:15:00	11.27	25.95	0.42	6.98	9.62	192.10
SQU-DS	2025-09-05 23:30:00	11.24	25.56	0.42	7.04	9.63	190.09
SQU-DS	2025-09-05 23:45:00	11.21	25.45	0.42	7.05	9.64	219.07
SQU-DS	2025-09-06 00:00:00	11.18	25.15	0.42	7.04	9.66	204.62
SQU-DS	2025-09-06 00:15:00	11.13	24.92	0.42	7.03	9.68	201.55
SQU-DS	2025-09-06 00:30:00	11.10	24.94	0.43	6.95	9.66	233.67
SQU-DS	2025-09-06 00:45:00	11.04	24.68	0.42	7.01	9.71	226.32
SQU-DS	2025-09-06 01:00:00	10.99	24.44	0.42	7.03	9.74	249.57
SQU-DS	2025-09-06 01:15:00	10.94	24.49	0.43	6.95	9.72	251.55
SQU-DS	2025-09-06 01:30:00	10.89	24.20	0.42	6.99	9.76	270.69
SQU-DS	2025-09-06 01:45:00	10.84	24.15	0.42	7.01	9.76	237.17
SQU-DS	2025-09-06 02:00:00	10.77	23.75	0.42	7.03	9.79	235.66
SQU-DS	2025-09-06 02:15:00	10.73	23.69	0.42	7.05	9.79	278.05
SQU-DS	2025-09-06 02:30:00	10.68	23.66	0.42	7.06	9.82	234.12
SQU-DS	2025-09-06 02:45:00	10.63	23.69	0.42	7.02	9.82	272.90
SQU-DS	2025-09-06 03:00:00	10.57	26.43	0.42	7.05	9.85	272.99
SQU-DS	2025-09-06 03:15:00	10.53	24.11	0.42	7.09	9.86	263.58
SQU-DS	2025-09-06 03:30:00	10.47	23.03	0.43	6.96	9.88	261.92

Squamish River							
Station	Date/Time	Temperature (C)	Specific Conductivity (µS/cm)	ORP (V)	pH (pH units)	Dissolved Oxygen (mg/L)	Turbidity (NTU)
SQU-DS	2025-09-06 03:45:00	10.43	22.82	0.43	7.02	9.87	289.80
SQU-DS	2025-09-06 04:00:00	10.39	22.65	0.43	7.05	9.89	210.46
SQU-DS	2025-09-06 04:15:00	10.33	22.33	0.43	7.05	9.91	290.86
SQU-DS	2025-09-06 04:30:00	10.31	22.47	0.43	7.03	9.92	269.11
SQU-DS	2025-09-06 04:45:00	10.29	22.50	0.43	7.02	9.92	344.54
SQU-DS	2025-09-06 05:00:00	10.27	22.51	0.43	7.04	9.92	319.00
SQU-DS	2025-09-06 05:15:00	10.25	22.47	0.43	7.04	9.92	336.52
SQU-DS	2025-09-06 05:30:00	10.22	22.22	0.43	7.04	9.92	241.28
SQU-DS	2025-09-06 05:45:00	10.22	22.41	0.43	7.01	9.91	302.00
SQU-DS	2025-09-06 06:00:00	10.20	22.36	0.43	7.00	9.91	309.11
SQU-DS	2025-09-06 06:15:00	10.19	22.25	0.43	6.97	9.90	282.97
SQU-DS	2025-09-06 06:30:00	10.19	22.13	0.43	6.98	9.89	263.08
SQU-DS	2025-09-06 06:45:00	10.20	22.45	0.43	7.01	9.86	276.83
SQU-DS	2025-09-06 07:00:00	10.18	22.06	0.43	7.00	9.83	225.16
SQU-DS	2025-09-06 07:15:00	10.18	22.15	0.43	6.99	9.84	259.91
SQU-DS	2025-09-06 07:30:00	10.18	22.11	0.44	6.93	9.84	251.09
SQU-DS	2025-09-06 07:45:00	10.19	22.09	0.44	6.91	9.85	263.10
SQU-DS	2025-09-06 08:00:00	10.20	22.26	0.44	6.94	9.81	211.42
SQU-DS	2025-09-06 08:15:00	10.23	22.27	0.44	6.94	9.83	212.62
SQU-DS	2025-09-06 08:30:00	10.23	21.90	0.44	6.92	9.81	220.84
SQU-DS	2025-09-06 08:45:00	10.27	22.47	0.43	6.97	9.82	232.72
SQU-DS	2025-09-06 09:00:00	10.29	22.42	0.43	6.95	9.83	165.51
SQU-DS	2025-09-06 09:15:00	10.32	22.56	0.43	6.95	9.85	172.60
SQU-DS	2025-09-06 09:30:00	10.37	23.05	0.44	6.89	9.79	203.90
SQU-DS	2025-09-06 09:45:00	10.40	22.93	0.43	6.95	9.79	203.56
SQU-DS	2025-09-06 10:00:00	10.42	22.88	0.44	6.91	9.78	222.19
SQU-DS	2025-09-06 10:15:00	10.47	23.20	0.44	6.93	9.78	170.50
SQU-DS	2025-09-06 10:30:00	10.49	23.16	0.43	6.94	9.77	237.12
SQU-DS	2025-09-06 10:45:00	10.54	23.27	0.43	6.95	9.77	190.38
SQU-DS	2025-09-06 11:00:00	10.58	23.46	0.44	6.93	9.77	193.47
SQU-DS	2025-09-06 11:15:00	10.61	23.52	0.43	6.96	9.80	159.92
SQU-DS	2025-09-06 11:30:00	10.68	23.57	0.44	6.92	9.77	172.11
SQU-DS	2025-09-06 11:45:00	10.72	23.45	0.43	6.93	9.76	179.24
SQU-DS	2025-09-06 12:00:00	10.78	23.61	0.43	6.97	9.75	169.57
SQU-DS	2025-09-06 12:15:00	10.85	24.08	0.43	6.96	9.73	158.82
SQU-DS	2025-09-06 12:30:00	10.92	24.11	0.43	6.93	9.71	172.51
SQU-DS	2025-09-06 12:45:00	10.99	24.36	0.43	6.93	9.72	174.78
SQU-DS	2025-09-06 13:00:00	11.06	24.55	0.43	6.92	9.67	164.23
SQU-DS	2025-09-06 13:15:00	11.13	24.39	0.43	6.92	9.71	181.50
SQU-DS	2025-09-06 13:30:00	11.19	24.48	0.43	6.91	9.68	162.93
SQU-DS	2025-09-06 13:45:00	11.25	24.41	0.43	6.94	9.66	162.00
SQU-DS	2025-09-06 14:00:00	11.36	25.01	0.43	6.95	9.63	143.48
SQU-DS	2025-09-06 14:15:00	11.42	25.07	0.43	6.95	9.63	143.87
SQU-DS	2025-09-06 14:30:00	11.51	25.31	0.43	6.94	9.60	177.19
SQU-DS	2025-09-06 14:45:00	11.59	25.18	0.43	6.94	9.62	139.75
SQU-DS	2025-09-06 15:00:00	11.66	25.76	0.43	6.97	9.58	126.62
SQU-DS	2025-09-06 15:15:00	11.64	25.42	0.43	6.96	9.61	137.05
SQU-DS	2025-09-06 15:30:00	11.67	25.82	0.43	6.95	9.58	119.44
SQU-DS	2025-09-06 15:45:00	11.70	25.68	0.43	6.94	9.57	142.83
SQU-DS	2025-09-06 16:00:00	11.74	25.70	0.43	6.99	9.58	128.43
SQU-DS	2025-09-06 16:15:00	11.76	25.37	0.43	7.00	9.59	161.31
SQU-DS	2025-09-06 16:30:00	11.81	26.01	0.43	7.00	9.55	137.19
SQU-DS	2025-09-06 16:45:00	11.83	25.89	0.43	7.03	9.56	174.84
SQU-DS	2025-09-06 17:00:00	11.83	26.15	0.43	7.00	9.53	147.26
SQU-DS	2025-09-06 17:15:00	11.84	26.51	0.43	7.02	9.52	112.49

Squamish River							
Station	Date/Time	Temperature (C)	Specific Conductivity (µS/cm)	ORP (V)	pH (pH units)	Dissolved Oxygen (mg/L)	Turbidity (NTU)
SQU-DS	2025-09-06 17:30:00	11.84	27.18	0.43	7.04	9.47	125.79
SQU-DS	2025-09-06 17:45:00	11.87	28.08	0.43	7.07	9.42	118.07
SQU-DS	2025-09-06 18:00:00	11.84	27.60	0.43	7.05	9.24	130.72
SQU-DS	2025-09-06 18:15:00	11.85	28.24	0.43	7.04	9.35	140.90
SQU-DS	2025-09-06 18:30:00	11.82	28.33	0.43	7.03	9.39	136.79
SQU-DS	2025-09-06 18:45:00	11.82	28.99	0.43	7.04	9.25	138.71
SQU-DS	2025-09-06 19:00:00	11.79	29.46	0.43	7.05	9.27	136.39
SQU-DS	2025-09-06 19:15:00	11.76	29.66	0.43	7.04	9.33	148.98
SQU-DS	2025-09-06 19:30:00	11.74	29.73	0.42	7.06	9.35	150.81
SQU-DS	2025-09-06 19:45:00	11.73	30.50	0.41	7.05	9.38	175.23
SQU-DS	2025-09-06 20:00:00	11.74	30.87	0.41	7.07	9.36	152.94
SQU-DS	2025-09-06 20:15:00	11.71	30.48	0.41	7.05	9.37	146.65
SQU-DS	2025-09-06 20:30:00	11.69	30.21	0.40	7.05	9.40	152.01
SQU-DS	2025-09-06 20:45:00	11.70	30.31	0.40	7.06	9.36	169.12
SQU-DS	2025-09-06 21:00:00	11.68	29.15	0.40	7.04	9.42	156.30
SQU-DS	2025-09-06 21:15:00	11.71	29.04	0.41	7.05	9.35	205.01
SQU-DS	2025-09-06 21:30:00	11.71	28.48	0.41	7.02	9.37	168.10
SQU-DS	2025-09-06 21:45:00	11.75	28.44	0.41	7.05	9.42	171.44
SQU-DS	2025-09-06 22:00:00	11.72	27.24	0.41	7.00	9.40	201.12
SQU-DS	2025-09-06 22:15:00	11.73	26.93	0.41	7.05	9.38	188.33
SQU-DS	2025-09-06 22:30:00	11.71	26.38	0.42	7.01	9.46	223.28
SQU-DS	2025-09-06 22:45:00	11.69	26.03	0.42	7.00	9.34	212.51
SQU-DS	2025-09-06 23:00:00	11.66	25.53	0.42	7.03	9.42	232.86
SQU-DS	2025-09-06 23:15:00	11.64	25.17	0.43	6.98	9.44	232.84
SQU-DS	2025-09-06 23:30:00	11.61	25.80	0.43	7.04	9.38	203.66
SQU-DS	2025-09-06 23:45:00	11.58	22.61	0.43	7.01	9.28	233.59
SQU-DS	2025-09-07 00:00:00	11.55	24.57	0.43	7.04	9.31	219.21
SQU-DS	2025-09-07 00:15:00	11.50	24.18	0.43	7.00	9.22	250.69
SQU-DS	2025-09-07 00:30:00	11.47	24.20	0.43	7.01	9.13	229.56
SQU-DS	2025-09-07 00:45:00	11.41	24.01	0.43	7.00	9.03	228.02
SQU-DS	2025-09-07 01:00:00	11.38	23.97	0.43	7.01	8.96	219.43
SQU-DS	2025-09-07 01:15:00	11.33	23.87	0.43	7.01	8.88	289.67
SQU-DS	2025-09-07 01:30:00	11.28	23.98	0.43	7.02	8.79	267.68
SQU-DS	2025-09-07 01:45:00	11.22	23.54	0.44	6.95	8.70	239.27
SQU-DS	2025-09-07 02:00:00	11.18	23.07	0.43	7.03	8.61	297.79
SQU-DS	2025-09-07 02:15:00	11.14	23.39	0.43	7.06	8.47	240.92
SQU-DS	2025-09-07 02:30:00	11.10	23.14	0.43	7.06	8.36	259.35
SQU-DS	2025-09-07 02:45:00	11.03	22.87	0.43	7.00	8.19	303.39
SQU-DS	2025-09-07 03:00:00	10.98	22.53	0.44	6.95	8.02	293.63
SQU-DS	2025-09-07 03:15:00	10.94	22.52	0.44	7.00	7.83	300.73
SQU-DS	2025-09-07 03:30:00	10.89	22.27	0.44	7.01	7.64	279.74
SQU-DS	2025-09-07 03:45:00	10.86	22.28	0.44	7.01	7.41	306.51
SQU-DS	2025-09-07 04:00:00	10.80	22.07	0.44	7.03	7.20	307.22
SQU-DS	2025-09-07 04:15:00	10.75	21.74	0.44	7.00	6.96	278.10
SQU-DS	2025-09-07 04:30:00	10.72	21.90	0.44	7.01	6.74	302.68
SQU-DS	2025-09-07 04:45:00	10.69	21.80	0.44	7.01	6.44	321.86
SQU-DS	2025-09-07 05:00:00	10.63	21.37	0.44	7.00	6.15	294.73
SQU-DS	2025-09-07 05:15:00	10.62	21.52	0.44	7.02	5.83	297.91
SQU-DS	2025-09-07 05:30:00	10.60	21.57	0.44	7.01	5.52	293.77
SQU-DS	2025-09-07 05:45:00	10.59	21.63	0.44	7.00	5.23	273.76
SQU-DS	2025-09-07 06:00:00	10.60	21.88	0.44	7.01	4.97	264.24
SQU-DS	2025-09-07 06:15:00	10.60	22.09	0.44	6.98	4.71	248.83
SQU-DS	2025-09-07 06:30:00	10.59	21.86	0.44	7.01	4.47	261.61
SQU-DS	2025-09-07 06:45:00	10.59	21.79	0.44	6.99	4.22	224.00
SQU-DS	2025-09-07 07:00:00	10.58	21.55	0.44	7.00	3.99	237.15

Squamish River							
Station	Date/Time	Temperature (C)	Specific Conductivity (µS/cm)	ORP (V)	pH (pH units)	Dissolved Oxygen (mg/L)	Turbidity (NTU)
SQU-DS	2025-09-07 07:15:00	10.58	21.58	0.44	7.00	3.76	270.08
SQU-DS	2025-09-07 07:30:00	10.59	21.66	0.44	7.00	3.54	268.30
SQU-DS	2025-09-07 07:45:00	10.59	21.55	0.44	6.97	3.36	236.40
SQU-DS	2025-09-07 08:00:00	10.61	21.56	0.45	6.94	3.19	256.68
SQU-DS	2025-09-07 08:15:00	10.62	21.35	0.45	6.91	3.04	275.48
SQU-DS	2025-09-07 08:30:00	10.65	21.79	0.45	6.95	2.91	259.24
SQU-DS	2025-09-07 08:45:00	10.65	21.53	0.45	6.98	2.78	247.43
SQU-DS	2025-09-07 09:00:00	10.68	21.55	0.44	6.98	2.65	202.16
SQU-DS	2025-09-07 09:15:00	10.70	21.39	0.45	6.91	2.55	220.67
SQU-DS	2025-09-07 09:30:00	10.75	21.72	0.44	6.96	2.50	235.69
SQU-DS	2025-09-07 09:45:00	10.78	21.73	0.45	6.92	2.47	247.03
SQU-DS	2025-09-07 10:00:00	10.82	21.56	0.44	6.98	2.47	222.86
SQU-DS	2025-09-07 10:15:00	10.85	21.73	0.44	6.98	2.48	427.30
SQU-DS	2025-09-07 10:30:00	10.90	21.57	0.44	6.97	2.50	226.94
SQU-DS	2025-09-07 10:45:00	10.98	21.63	0.45	6.91	2.48	183.74
SQU-DS	2025-09-07 11:00:00	11.03	21.63	0.44	6.98	2.46	199.01
SQU-DS	2025-09-07 11:15:00	11.11	21.59	0.44	7.00	2.44	201.38
SQU-DS	2025-09-07 11:30:00	11.20	21.75	0.44	6.98	2.39	203.29
SQU-DS	2025-09-07 11:45:00	11.26	21.52	0.44	6.98	2.38	211.45
SQU-DS	2025-09-07 12:00:00	11.36	21.93	0.44	6.96	2.36	163.54
SQU-DS	2025-09-07 12:15:00	11.42	21.44	0.44	6.91	2.35	243.76
SQU-DS	2025-09-07 12:30:00	11.52	22.24	0.44	6.97	2.35	169.42
SQU-DS	2025-09-07 12:45:00	11.54	21.83	0.44	6.98	2.35	170.57
SQU-DS	2025-09-07 13:00:00	11.59	22.31	0.44	6.97	2.35	149.51
SQU-DS	2025-09-07 13:15:00	11.60	21.61	0.44	6.94	2.36	236.00
SQU-DS	2025-09-07 13:30:00	11.70	22.01	0.44	6.98	2.33	187.71
SQU-DS	2025-09-07 13:45:00	11.80	22.43	0.44	6.95	2.31	181.18
SQU-DS	2025-09-07 14:00:00	11.85	22.32	0.44	6.98	2.28	186.27
SQU-DS	2025-09-07 14:15:00	11.86	22.27	0.44	6.98	2.22	190.12
SQU-DS	2025-09-07 14:30:00	11.86	22.00	0.44	6.95	2.16	150.00
SQU-DS	2025-09-07 14:45:00	11.93	22.61	0.44	6.95	2.09	166.87
SQU-DS	2025-09-07 15:00:00	11.95	22.44	0.43	7.01	2.01	163.43
SQU-DS	2025-09-07 15:15:00	11.97	22.73	0.43	7.00	1.92	178.83
SQU-DS	2025-09-07 15:30:00	11.96	22.65	0.44	6.95	1.83	195.59
SQU-DS	2025-09-07 15:45:00	11.94	22.80	0.44	6.97	1.74	234.57
SQU-DS	2025-09-07 16:00:00	11.92	22.83	0.43	6.99	1.64	205.39
SQU-DS	2025-09-07 16:15:00	11.93	22.89	0.43	6.96	1.53	281.07
SQU-DS	2025-09-07 16:30:00	11.90	23.05	0.43	7.02	1.42	238.43
SQU-DS	2025-09-07 16:45:00	11.92	23.15	0.43	7.03	1.32	241.77
SQU-DS	2025-09-07 17:00:00	11.90	22.77	0.43	7.05	1.22	203.15
SQU-DS	2025-09-07 17:15:00	11.94	23.15	0.43	7.01	1.11	222.39
SQU-DS	2025-09-07 17:30:00	11.92	23.07	0.43	7.02	1.00	203.48
SQU-DS	2025-09-07 17:45:00	11.92	23.01	0.43	7.03	0.89	241.52
SQU-DS	2025-09-07 18:00:00	11.95	23.05	0.43	7.08	0.82	204.77
SQU-DS	2025-09-07 18:15:00	11.98	23.28	0.44	7.04	0.71	233.10
SQU-DS	2025-09-07 18:30:00	12.02	23.59	0.44	7.03	0.70	234.29
SQU-DS	2025-09-07 18:45:00	12.03	23.71	0.44	7.03	9.09	219.61
SQU-DS	2025-09-07 19:00:00	12.04	23.77	0.44	7.03	9.05	203.11
SQU-DS	2025-09-07 19:15:00	12.05	24.44	0.44	7.01	8.71	196.54
SQU-DS	2025-09-07 19:30:00	12.05	24.66	0.44	7.06	8.69	160.00
SQU-DS	2025-09-07 19:45:00	12.05	25.08	0.44	7.00	9.04	171.80
SQU-DS	2025-09-07 20:00:00	12.03	24.94	0.44	7.05	9.37	166.03
SQU-DS	2025-09-07 20:15:00	12.05	25.46	0.43	7.09	9.43	214.40
SQU-DS	2025-09-07 20:30:00	12.04	25.52	0.43	7.08	9.43	224.32
SQU-DS	2025-09-07 20:45:00	12.04	25.73	0.44	7.04	9.40	220.76

Squamish River							
Station	Date/Time	Temperature (C)	Specific Conductivity (µS/cm)	ORP (V)	pH (pH units)	Dissolved Oxygen (mg/L)	Turbidity (NTU)
SQU-DS	2025-09-07 21:00:00	12.05	25.72	0.43	7.06	9.36	279.57
SQU-DS	2025-09-07 21:15:00	12.07	25.73	0.43	7.06	9.33	287.76
SQU-DS	2025-09-07 21:30:00	12.06	25.59	0.43	7.06	9.38	391.06
SQU-DS	2025-09-07 21:45:00	12.10	26.17	0.43	7.05	9.35	350.10
SQU-DS	2025-09-07 22:00:00	12.10	26.09	0.43	7.07	9.34	373.36
SQU-DS	2025-09-07 22:15:00	12.09	25.66	0.43	7.06	9.37	417.82
SQU-DS	2025-09-07 22:30:00	12.07	25.27	0.43	7.01	9.38	329.79
SQU-DS	2025-09-07 22:45:00	12.07	25.18	0.43	7.08	9.37	303.86
SQU-DS	2025-09-07 23:00:00	12.05	24.94	0.43	7.08	9.39	331.73
SQU-DS	2025-09-07 23:15:00	12.03	24.72	0.43	7.07	9.50	344.60
SQU-DS	2025-09-07 23:30:00	12.02	24.67	0.43	7.05	9.48	265.69
SQU-DS	2025-09-07 23:45:00	12.01	24.45	0.42	7.09	9.49	349.55
SQU-US	2025-09-01 00:00:00	12.98	31.53	0.35	7.09	9.80	239.46
SQU-US	2025-09-01 00:15:00	12.91	30.74	0.35	7.11	9.82	229.21
SQU-US	2025-09-01 00:30:00	12.85	30.96	0.35	7.08	9.84	249.45
SQU-US	2025-09-01 00:45:00	12.79	30.99	0.35	7.05	9.84	255.32
SQU-US	2025-09-01 01:00:00	12.72	30.81	0.35	7.06	9.88	280.29
SQU-US	2025-09-01 01:15:00	12.66	30.75	0.35	7.07	9.88	275.32
SQU-US	2025-09-01 01:30:00	12.58	30.39	0.35	7.07	9.91	276.56
SQU-US	2025-09-01 01:45:00	12.51	29.90	0.35	7.04	9.92	315.46
SQU-US	2025-09-01 02:00:00	12.43	29.70	0.35	7.05	9.95	374.39
SQU-US	2025-09-01 02:15:00	12.34	28.92	0.35	7.14	9.98	255.80
SQU-US	2025-09-01 02:30:00	12.28	29.42	0.35	7.11	9.99	292.69
SQU-US	2025-09-01 02:45:00	12.20	28.99	0.35	7.11	10.00	310.94
SQU-US	2025-09-01 03:00:00	12.12	28.71	0.35	7.06	10.04	428.66
SQU-US	2025-09-01 03:15:00	12.05	28.24	0.35	7.04	10.06	367.81
SQU-US	2025-09-01 03:30:00	11.99	28.40	0.35	7.04	10.07	340.30
SQU-US	2025-09-01 03:45:00	11.94	28.14	0.35	7.06	10.08	389.80
SQU-US	2025-09-01 04:00:00					10.11	384.34
SQU-US	2025-09-01 04:15:00	11.84	27.88	0.36	7.10	10.11	339.22
SQU-US	2025-09-01 04:30:00	11.81	27.99	0.35	7.10	10.13	301.10
SQU-US	2025-09-01 04:45:00	11.77	27.92	0.35	7.11	10.14	406.70
SQU-US	2025-09-01 05:00:00	11.74	27.91	0.36	7.09	10.15	261.16
SQU-US	2025-09-01 05:15:00	11.69	27.37	0.35	7.08	10.16	386.27
SQU-US	2025-09-01 05:30:00	11.67	27.45	0.36	7.07	10.17	400.17
SQU-US	2025-09-01 05:45:00	11.64	26.88	0.36	7.04	10.17	430.37
SQU-US	2025-09-01 06:00:00	11.64	27.41	0.36	7.02	10.16	338.35
SQU-US	2025-09-01 06:15:00	11.65	27.79	0.35	7.03	10.14	314.94
SQU-US	2025-09-01 06:30:00	11.63	27.14	0.36	7.05	10.14	349.62
SQU-US	2025-09-01 06:45:00	11.64	27.45	0.36	7.05	10.14	282.49
SQU-US	2025-09-01 07:00:00	11.64	28.41	0.36	7.06	10.12	294.21
SQU-US	2025-09-01 07:15:00	11.64	27.19	0.36	7.04	10.14	273.14
SQU-US	2025-09-01 07:30:00	11.65	27.87	0.36	7.06	10.12	279.32
SQU-US	2025-09-01 07:45:00	11.66	27.72	0.36	7.06	10.10	274.12
SQU-US	2025-09-01 08:00:00	11.68	27.65	0.36	7.06	10.10	262.72
SQU-US	2025-09-01 08:15:00	11.69	27.42	0.35	7.05	10.11	271.71
SQU-US	2025-09-01 08:30:00	11.71	27.43	0.36	7.06	10.13	262.71
SQU-US	2025-09-01 08:45:00	11.73	27.56	0.36	7.04	10.12	248.37
SQU-US	2025-09-01 09:00:00	11.74	27.21	0.36	7.05	10.13	244.77
SQU-US	2025-09-01 09:15:00	11.76	27.16	0.35	7.05	10.14	215.32
SQU-US	2025-09-01 09:30:00	11.81	27.84	0.36	7.05	10.14	220.18
SQU-US	2025-09-01 09:45:00	11.86	27.61	0.35	7.10	10.14	236.11
SQU-US	2025-09-01 10:00:00	11.92	27.86	0.35	7.06	10.15	275.59
SQU-US	2025-09-01 10:15:00	11.96	27.78	0.35	7.10	10.17	204.60
SQU-US	2025-09-01 10:30:00	12.03	28.40	0.35	7.08	10.14	242.38

Squamish River							
Station	Date/Time	Temperature (C)	Specific Conductivity (µS/cm)	ORP (V)	pH (pH units)	Dissolved Oxygen (mg/L)	Turbidity (NTU)
SQU-US	2025-09-01 10:45:00	12.07	28.15	0.35	7.08	10.15	230.52
SQU-US	2025-09-01 11:00:00	12.13	28.29	0.35	7.05	10.15	222.25
SQU-US	2025-09-01 11:15:00	12.20	28.86	0.35	7.05	10.14	237.36
SQU-US	2025-09-01 11:30:00	12.25	28.62	0.35	7.06	10.14	218.88
SQU-US	2025-09-01 11:45:00	12.31	28.40	0.35	7.08	10.15	222.13
SQU-US	2025-09-01 12:00:00	12.39	29.32	0.35	7.06	10.13	230.07
SQU-US	2025-09-01 12:15:00	12.47	29.58	0.35	7.03	10.11	195.10
SQU-US	2025-09-01 12:30:00	12.54	29.44	0.35	7.07	10.12	206.25
SQU-US	2025-09-01 12:45:00	12.61	29.30	0.35	7.10	10.11	196.28
SQU-US	2025-09-01 13:00:00	12.69	29.39	0.35	7.08	10.10	216.98
SQU-US	2025-09-01 13:15:00	12.76	29.40	0.35	7.05	10.09	220.24
SQU-US	2025-09-01 13:30:00	12.85	29.83	0.35	7.05	10.09	181.59
SQU-US	2025-09-01 13:45:00	12.90	29.33	0.36	7.04	10.08	172.42
SQU-US	2025-09-01 14:00:00	12.98	29.96	0.36	7.07	10.06	183.51
SQU-US	2025-09-01 14:15:00	13.03	29.71	0.35	7.07	10.04	174.68
SQU-US	2025-09-01 14:30:00	13.11	30.72	0.36	7.06	10.01	151.23
SQU-US	2025-09-01 14:45:00	13.17	31.20	0.36	7.05	9.99	172.70
SQU-US	2025-09-01 15:00:00	13.21	30.85	0.35	7.09	9.99	162.74
SQU-US	2025-09-01 15:15:00	13.27	30.84	0.35	7.07	9.96	137.87
SQU-US	2025-09-01 15:30:00	13.32	31.53	0.35	7.08	9.95	185.70
SQU-US	2025-09-01 15:45:00	13.35	31.80	0.35	7.08	9.95	171.79
SQU-US	2025-09-01 16:00:00	13.37	31.73	0.35	7.10	9.92	176.66
SQU-US	2025-09-01 16:15:00	13.40	32.07	0.35	7.09	9.93	163.10
SQU-US	2025-09-01 16:30:00	13.43	32.60	0.35	7.09	9.90	181.94
SQU-US	2025-09-01 16:45:00	13.41	32.04	0.35	7.07	9.89	167.96
SQU-US	2025-09-01 17:00:00	13.43	32.93	0.35	7.07	9.87	166.47
SQU-US	2025-09-01 17:15:00	13.42	33.20	0.35	7.09	9.88	136.45
SQU-US	2025-09-01 17:30:00	13.39	32.93	0.35	7.07	9.86	148.29
SQU-US	2025-09-01 17:45:00	13.36	33.32	0.35	7.08	9.85	161.19
SQU-US	2025-09-01 18:00:00	13.34	33.75	0.35	7.08	9.84	156.72
SQU-US	2025-09-01 18:15:00	13.30	33.60	0.35	7.07	9.79	138.92
SQU-US	2025-09-01 18:30:00	13.27	34.11	0.35	7.06	9.79	143.68
SQU-US	2025-09-01 18:45:00	13.23	33.81	0.35	7.06	9.79	159.50
SQU-US	2025-09-01 19:00:00	13.21	34.03	0.35	7.04	9.79	143.40
SQU-US	2025-09-01 19:15:00	13.20	34.29	0.35	7.06	9.78	161.59
SQU-US	2025-09-01 19:30:00	13.18	34.01	0.35	7.08	9.78	156.31
SQU-US	2025-09-01 19:45:00	13.18	34.25	0.35	7.07	9.77	152.61
SQU-US	2025-09-01 20:00:00	13.18	37.52	0.35	7.16	9.77	199.87
SQU-US	2025-09-01 20:15:00	13.19	33.54	0.35	7.17	9.76	171.43
SQU-US	2025-09-01 20:30:00	13.20	33.29	0.35	7.13	9.77	163.68
SQU-US	2025-09-01 20:45:00	13.22	33.35	0.35	7.20	9.75	191.73
SQU-US	2025-09-01 21:00:00	13.24	32.57	0.35	7.15	9.77	161.01
SQU-US	2025-09-01 21:15:00	13.25	31.54	0.35	7.16	9.77	173.60
SQU-US	2025-09-01 21:30:00	13.28	32.15	0.35	7.15	9.77	187.00
SQU-US	2025-09-01 21:45:00	13.29	31.69	0.35	7.17	9.77	229.42
SQU-US	2025-09-01 22:00:00	13.29	31.32	0.35	7.10	9.78	209.30
SQU-US	2025-09-01 22:15:00	13.28	30.72	0.35	7.12	9.80	218.81
SQU-US	2025-09-01 22:30:00	13.27	30.67	0.35	7.11	9.81	237.49
SQU-US	2025-09-01 22:45:00	13.24	30.30	0.35	7.13	9.80	214.31
SQU-US	2025-09-01 23:00:00	13.19	29.41	0.35	7.11	9.81	225.82
SQU-US	2025-09-01 23:15:00	13.14	29.49	0.35	7.09	9.84	247.47
SQU-US	2025-09-01 23:30:00	13.09	29.38	0.35	7.11	9.86	257.36
SQU-US	2025-09-01 23:45:00	13.01	28.85	0.36	7.06	9.87	320.01
SQU-US	2025-09-02 00:00:00	12.94	29.05	0.36	7.07	9.88	292.35
SQU-US	2025-09-02 00:15:00	12.86	28.91	0.35	7.11	9.90	346.00

Squamish River							
Station	Date/Time	Temperature (C)	Specific Conductivity (µS/cm)	ORP (V)	pH (pH units)	Dissolved Oxygen (mg/L)	Turbidity (NTU)
SQU-US	2025-09-02 00:30:00	12.77	28.51	0.35	7.13	9.93	333.27
SQU-US	2025-09-02 00:45:00	12.67	28.11	0.35	7.09	9.96	369.39
SQU-US	2025-09-02 01:00:00	12.59	28.21	0.36	7.06	9.96	391.06
SQU-US	2025-09-02 01:15:00	12.52	28.51	0.35	7.12	9.96	360.93
SQU-US	2025-09-02 01:30:00	12.42	27.97	0.35	7.09	9.99	370.36
SQU-US	2025-09-02 01:45:00	12.34	28.27	0.36	7.04	10.00	367.63
SQU-US	2025-09-02 02:00:00	12.25	27.32	0.36	7.05	10.03	393.61
SQU-US	2025-09-02 02:15:00	12.17	27.28	0.35	7.11	10.04	339.68
SQU-US	2025-09-02 02:30:00	12.09	27.11	0.36	7.06	10.08	350.94
SQU-US	2025-09-02 02:45:00	12.02	26.98	0.36	7.10	10.08	403.58
SQU-US	2025-09-02 03:00:00	11.94	26.45	0.36	7.06	10.12	398.97
SQU-US	2025-09-02 03:15:00	11.88	26.72	0.35	7.07	10.13	429.40
SQU-US	2025-09-02 03:30:00	11.82	26.53	0.36	7.08	10.15	432.40
SQU-US	2025-09-02 03:45:00	11.75	25.98	0.36	7.06	10.17	468.18
SQU-US	2025-09-02 04:00:00	11.70	26.21	0.36	7.05	10.17	388.78
SQU-US	2025-09-02 04:15:00	11.66	26.70	0.36	7.02	10.16	362.12
SQU-US	2025-09-02 04:30:00	11.61	26.10	0.36	7.08	10.20	407.42
SQU-US	2025-09-02 04:45:00	11.58	26.47	0.36	7.02	10.20	447.28
SQU-US	2025-09-02 05:00:00	11.53	25.76	0.36	7.06	10.23	373.72
SQU-US	2025-09-02 05:15:00	11.50	26.00	0.35	7.12	10.22	361.72
SQU-US	2025-09-02 05:30:00	11.48	25.85	0.36	7.05	10.24	340.64
SQU-US	2025-09-02 05:45:00	11.46	25.88	0.36	7.07	10.23	352.70
SQU-US	2025-09-02 06:00:00	11.45	26.11	0.36	7.04	10.23	455.84
SQU-US	2025-09-02 06:15:00	11.42	25.60	0.36	7.07	10.23	374.55
SQU-US	2025-09-02 06:30:00	11.42	26.22	0.36	7.05	10.19	359.92
SQU-US	2025-09-02 06:45:00	11.41	26.01	0.36	7.05	10.19	372.04
SQU-US	2025-09-02 07:00:00	11.40	25.99	0.36	7.05	10.21	367.40
SQU-US	2025-09-02 07:15:00	11.39	25.71	0.36	7.03	10.20	298.65
SQU-US	2025-09-02 07:30:00	11.40	25.58	0.36	7.04	10.20	324.70
SQU-US	2025-09-02 07:45:00	11.41	26.01	0.36	7.03	10.19	269.37
SQU-US	2025-09-02 08:00:00	11.42	26.07	0.36	7.03	10.20	279.12
SQU-US	2025-09-02 08:15:00	11.43	26.16	0.36	7.00	10.19	300.04
SQU-US	2025-09-02 08:30:00	11.45	26.10	0.36	7.05	10.18	254.23
SQU-US	2025-09-02 08:45:00	11.47	26.28	0.36	7.03	10.19	243.25
SQU-US	2025-09-02 09:00:00	11.50	26.51	0.36	7.04	10.20	232.71
SQU-US	2025-09-02 09:15:00	11.53	26.26	0.36	7.00	10.20	246.42
SQU-US	2025-09-02 09:30:00	11.57	26.66	0.36	7.01	10.21	225.35
SQU-US	2025-09-02 09:45:00	11.61	26.61	0.36	7.02	10.21	245.34
SQU-US	2025-09-02 10:00:00	11.65	26.88	0.36	7.06	10.21	248.18
SQU-US	2025-09-02 10:15:00	11.69	27.01	0.36	7.06	10.21	225.54
SQU-US	2025-09-02 10:30:00	11.75	27.45	0.36	7.08	10.20	234.18
SQU-US	2025-09-02 10:45:00	11.79	27.24	0.36	7.05	10.21	243.78
SQU-US	2025-09-02 11:00:00	11.85	27.49	0.36	7.06	10.21	232.72
SQU-US	2025-09-02 11:15:00	11.90	27.30	0.36	7.05	10.20	194.30
SQU-US	2025-09-02 11:30:00	11.96	27.73	0.36	7.06	10.17	225.34
SQU-US	2025-09-02 11:45:00	12.02	27.95	0.36	7.06	10.17	210.25
SQU-US	2025-09-02 12:00:00	12.06	28.23	0.36	7.06	10.17	245.45
SQU-US	2025-09-02 12:15:00	12.11	28.19	0.36	7.06	10.17	201.21
SQU-US	2025-09-02 12:30:00	12.13	27.73	0.36	7.06	10.16	214.87
SQU-US	2025-09-02 12:45:00	12.15	27.50	0.36	7.07	10.17	210.13
SQU-US	2025-09-02 13:00:00	12.18	27.83	0.36	7.06	10.16	203.17
SQU-US	2025-09-02 13:15:00	12.20	28.05	0.36	7.07	10.14	204.37
SQU-US	2025-09-02 13:30:00	12.24	27.87	0.34	7.09	10.14	211.21
SQU-US	2025-09-02 13:45:00	12.28	28.41	0.35	7.04	10.12	229.49
SQU-US	2025-09-02 14:00:00	12.30	28.36	0.36	7.07	10.10	179.18

Squamish River							
Station	Date/Time	Temperature (C)	Specific Conductivity (µS/cm)	ORP (V)	pH (pH units)	Dissolved Oxygen (mg/L)	Turbidity (NTU)
SQU-US	2025-09-02 14:15:00	12.35	28.72	0.36	7.06	10.10	166.15
SQU-US	2025-09-02 14:30:00	12.38	29.20	0.36	7.06	10.09	217.35
SQU-US	2025-09-02 14:45:00	12.41	29.17	0.36	7.09	10.06	197.23
SQU-US	2025-09-02 15:00:00	12.43	29.27	0.36	7.10	10.04	194.77
SQU-US	2025-09-02 15:15:00	12.46	28.92	0.35	7.12	10.05	156.76
SQU-US	2025-09-02 15:30:00	12.49	29.26	0.36	7.12	10.03	183.38
SQU-US	2025-09-02 15:45:00	12.53	29.77	0.36	7.07	10.03	161.79
SQU-US	2025-09-02 16:00:00	12.53	29.64	0.36	7.11	10.01	213.21
SQU-US	2025-09-02 16:15:00	12.54	29.99	0.35	7.13	10.01	171.38
SQU-US	2025-09-02 16:30:00	12.57	30.92	0.35	7.14	9.97	176.03
SQU-US	2025-09-02 16:45:00	12.54	30.10	0.36	7.11	9.97	150.86
SQU-US	2025-09-02 17:00:00	12.56	31.36	0.36	7.14	9.94	167.24
SQU-US	2025-09-02 17:15:00	12.54	31.49	0.35	7.13	9.94	177.88
SQU-US	2025-09-02 17:30:00	12.53	31.50	0.35	7.13	9.93	184.87
SQU-US	2025-09-02 17:45:00	12.51	32.38	0.36	7.11	9.94	179.62
SQU-US	2025-09-02 18:00:00	12.48	32.38	0.35	7.13	9.92	205.73
SQU-US	2025-09-02 18:15:00	12.44	32.21	0.35	7.13	9.93	176.46
SQU-US	2025-09-02 18:30:00	12.41	32.75	0.35	7.10	9.90	183.45
SQU-US	2025-09-02 18:45:00	12.38	33.01	0.36	7.10	9.91	175.43
SQU-US	2025-09-02 19:00:00	12.37	33.69	0.36	7.08	9.89	164.20
SQU-US	2025-09-02 19:15:00	12.34	33.40	0.35	7.14	9.89	164.91
SQU-US	2025-09-02 19:30:00	12.32	33.05	0.35	7.11	9.87	162.43
SQU-US	2025-09-02 19:45:00	12.31	32.91	0.35	7.11	9.87	170.93
SQU-US	2025-09-02 20:00:00	12.30	33.14	0.35	7.10	9.87	186.84
SQU-US	2025-09-02 20:15:00	12.30	32.88	0.35	7.11	9.88	157.16
SQU-US	2025-09-02 20:30:00	12.28	32.02	0.35	7.10	9.88	174.79
SQU-US	2025-09-02 20:45:00	12.29	31.90	0.35	7.13	9.89	208.06
SQU-US	2025-09-02 21:00:00	12.30	32.17	0.36	7.12	9.90	177.71
SQU-US	2025-09-02 21:15:00	12.29	31.64	0.36	7.08	9.90	203.26
SQU-US	2025-09-02 21:30:00	12.29	31.28	0.35	7.14	9.92	196.59
SQU-US	2025-09-02 21:45:00	12.29	31.19	0.36	7.10	9.93	224.62
SQU-US	2025-09-02 22:00:00	12.27	30.61	0.36	7.13	9.97	229.22
SQU-US	2025-09-02 22:15:00	12.25	30.03	0.35	7.13	9.96	239.61
SQU-US	2025-09-02 22:30:00	12.24	29.77	0.36	7.13	9.98	248.05
SQU-US	2025-09-02 22:45:00	12.22	29.77	0.36	7.12	10.00	371.56
SQU-US	2025-09-02 23:00:00	12.18	29.23	0.36	7.13	10.00	309.17
SQU-US	2025-09-02 23:15:00	12.17	29.49	0.35	7.13	10.01	297.83
SQU-US	2025-09-02 23:30:00	12.12	29.23	0.36	7.12	10.00	342.50
SQU-US	2025-09-02 23:45:00	12.07	28.80	0.36	7.10	10.04	323.98
SQU-US	2025-09-03 00:00:00	12.03	28.67	0.36	7.12	10.04	297.43
SQU-US	2025-09-03 00:15:00	11.98	28.35	0.36	7.12	10.05	358.18
SQU-US	2025-09-03 00:30:00	11.91	27.64	0.36	7.14	10.06	318.69
SQU-US	2025-09-03 00:45:00	11.84	27.36	0.36	7.12	10.08	332.61
SQU-US	2025-09-03 01:00:00	11.80	27.90	0.36	7.12	10.10	441.03
SQU-US	2025-09-03 01:15:00	11.74	27.63	0.36	7.12	10.12	328.36
SQU-US	2025-09-03 01:30:00	11.68	27.52	0.36	7.06	10.13	385.68
SQU-US	2025-09-03 01:45:00	11.65	27.82	0.36	7.07	10.13	469.57
SQU-US	2025-09-03 02:00:00	11.56	26.83	0.36	7.07	10.16	468.64
SQU-US	2025-09-03 02:15:00	11.49	26.60	0.36	7.10	10.20	510.60
SQU-US	2025-09-03 02:30:00	11.43	26.41	0.36	7.08	10.20	449.90
SQU-US	2025-09-03 02:45:00	11.39	26.92	0.36	7.11	10.19	473.38
SQU-US	2025-09-03 03:00:00	11.32	26.36	0.36	7.07	10.22	471.01
SQU-US	2025-09-03 03:15:00	11.26	26.14	0.37	6.99	10.26	465.43
SQU-US	2025-09-03 03:30:00	11.21	26.21	0.37	7.01	10.25	418.05
SQU-US	2025-09-03 03:45:00	11.18	26.46	0.37	7.03	10.26	474.14

Squamish River							
Station	Date/Time	Temperature (C)	Specific Conductivity (µS/cm)	ORP (V)	pH (pH units)	Dissolved Oxygen (mg/L)	Turbidity (NTU)
SQU-US	2025-09-03 04:00:00	11.15	26.86	0.37	7.01	10.26	461.65
SQU-US	2025-09-03 04:15:00	11.10	26.36	0.37	7.01	10.28	460.54
SQU-US	2025-09-03 04:30:00	11.06	26.10	0.37	6.97	10.30	423.94
SQU-US	2025-09-03 04:45:00	11.02	26.05	0.37	7.02	10.31	415.04
SQU-US	2025-09-03 05:00:00	10.97	25.86	0.37	7.05	10.31	403.48
SQU-US	2025-09-03 05:15:00	10.94	25.85	0.37	7.01	10.32	341.78
SQU-US	2025-09-03 05:30:00	10.93	25.95	0.37	7.00	10.31	413.72
SQU-US	2025-09-03 05:45:00	10.93	26.06	0.37	7.05	10.31	336.17
SQU-US	2025-09-03 06:00:00	10.90	25.89	0.37	7.06	10.32	386.35
SQU-US	2025-09-03 06:15:00	10.90	26.02	0.36	7.08	10.32	396.62
SQU-US	2025-09-03 06:30:00	10.90	26.02	0.36	7.11	10.28	1022.65
SQU-US	2025-09-03 06:45:00	10.90	26.21	0.37	7.05	10.28	1211.26
SQU-US	2025-09-03 07:00:00	10.89	25.76	0.37	7.03	10.28	335.12
SQU-US	2025-09-03 07:15:00	10.90	25.78	0.37	7.02	10.27	301.76
SQU-US	2025-09-03 07:30:00	10.91	25.86	0.37	7.03	10.27	406.81
SQU-US	2025-09-03 07:45:00	10.93	26.12	0.37	7.01	10.27	262.21
SQU-US	2025-09-03 08:00:00	10.95	26.14	0.37	7.02	10.26	335.89
SQU-US	2025-09-03 08:15:00	10.98	26.33	0.37	6.96	10.23	293.50
SQU-US	2025-09-03 08:30:00	11.00	26.23	0.37	7.05	10.22	330.65
SQU-US	2025-09-03 08:45:00	11.04	26.79	0.37	7.07	10.22	288.05
SQU-US	2025-09-03 09:00:00	11.07	26.62	0.37	7.07	10.21	301.54
SQU-US	2025-09-03 09:15:00	11.11	27.03	0.36	7.08	10.21	333.68
SQU-US	2025-09-03 09:30:00	11.15	27.02	0.37	7.04	10.22	270.88
SQU-US	2025-09-03 09:45:00	11.19	26.82	0.37	7.05	10.21	319.05
SQU-US	2025-09-03 10:00:00	11.24	27.76	0.37	7.00	10.18	289.00
SQU-US	2025-09-03 10:15:00	11.28	27.94	0.37	7.01	10.16	242.42
SQU-US	2025-09-03 10:30:00	11.32	27.45	0.37	7.03	10.18	274.67
SQU-US	2025-09-03 10:45:00	11.37	27.78	0.37	7.01	10.18	252.24
SQU-US	2025-09-03 11:00:00	11.43	28.01	0.37	7.00	10.18	340.06
SQU-US	2025-09-03 11:15:00	11.48	27.86	0.37	7.00	10.18	280.46
SQU-US	2025-09-03 11:30:00	11.53	28.29	0.37	7.00	10.17	271.75
SQU-US	2025-09-03 11:45:00	11.58	28.39	0.37	7.04	10.11	254.62
SQU-US	2025-09-03 12:00:00	11.64	28.57	0.37	7.02	10.13	244.42
SQU-US	2025-09-03 12:15:00	11.68	28.45	0.36	7.01	10.14	266.17
SQU-US	2025-09-03 12:30:00	11.73	28.56	0.36	7.07	10.11	249.47
SQU-US	2025-09-03 12:45:00	11.77	28.56	0.37	6.98	10.13	240.89
SQU-US	2025-09-03 13:00:00	11.83	28.72	0.37	7.03	10.11	247.59
SQU-US	2025-09-03 13:15:00	11.88	28.85	0.36	7.04	10.08	209.42
SQU-US	2025-09-03 13:30:00	11.95	29.74	0.36	7.05	10.04	196.40
SQU-US	2025-09-03 13:45:00	12.00	29.47	0.37	6.97	10.08	194.72
SQU-US	2025-09-03 14:00:00	12.04	29.10	0.36	6.99	10.06	206.19
SQU-US	2025-09-03 14:15:00	12.11	29.91	0.36	7.03	10.04	227.29
SQU-US	2025-09-03 14:30:00	12.16	30.09	0.37	6.97	10.04	186.40
SQU-US	2025-09-03 14:45:00	12.20	29.71	0.37	6.97	10.04	246.36
SQU-US	2025-09-03 15:00:00	12.24	29.86	0.36	7.06	10.03	226.46
SQU-US	2025-09-03 15:15:00	12.28	29.77	0.36	7.00	10.02	228.21
SQU-US	2025-09-03 15:30:00	12.33	30.43	0.36	7.04	10.01	179.73
SQU-US	2025-09-03 15:45:00	12.36	30.43	0.36	7.07	10.01	196.32
SQU-US	2025-09-03 16:00:00	12.39	30.79	0.36	7.06	9.98	189.40
SQU-US	2025-09-03 16:15:00	12.42	30.99	0.37	7.01	9.98	351.90
SQU-US	2025-09-03 16:30:00	12.44	31.26	0.36	7.04	9.97	592.35
SQU-US	2025-09-03 16:45:00	12.46	31.54	0.36	7.06	9.97	173.76
SQU-US	2025-09-03 17:00:00	12.47	32.29	0.36	7.10	9.93	188.97
SQU-US	2025-09-03 17:15:00	12.47	32.36	0.36	7.04	9.92	219.04
SQU-US	2025-09-03 17:30:00	12.47	33.21	0.36	7.06	9.90	200.13

Squamish River							
Station	Date/Time	Temperature (C)	Specific Conductivity (µS/cm)	ORP (V)	pH (pH units)	Dissolved Oxygen (mg/L)	Turbidity (NTU)
SQU-US	2025-09-03 17:45:00	12.47	34.38	0.36	7.09	9.86	209.96
SQU-US	2025-09-03 18:00:00	12.44	34.26	0.36	7.07	9.87	210.50
SQU-US	2025-09-03 18:15:00	12.43	35.10	0.36	7.09	9.84	168.41
SQU-US	2025-09-03 18:30:00	12.41	35.33	0.36	7.03	9.84	200.60
SQU-US	2025-09-03 18:45:00	12.41	36.16	0.36	7.07	9.81	208.11
SQU-US	2025-09-03 19:00:00	12.38	35.73	0.36	7.02	9.80	200.82
SQU-US	2025-09-03 19:15:00	12.37	36.17	0.36	7.04	9.78	218.89
SQU-US	2025-09-03 19:30:00	12.36	36.07	0.36	7.02	9.79	198.82
SQU-US	2025-09-03 19:45:00	12.34	35.72	0.36	7.05	9.79	201.05
SQU-US	2025-09-03 20:00:00	12.35	35.77	0.36	7.05	9.80	185.24
SQU-US	2025-09-03 20:15:00	12.35	35.58	0.36	7.04	9.78	222.85
SQU-US	2025-09-03 20:30:00	12.37	35.06	0.36	7.04	9.79	203.86
SQU-US	2025-09-03 20:45:00	12.38	34.58	0.36	7.04	9.79	206.00
SQU-US	2025-09-03 21:00:00	12.40	34.06	0.36	7.05	9.81	195.89
SQU-US	2025-09-03 21:15:00	12.42	34.07	0.36	7.05	9.82	213.02
SQU-US	2025-09-03 21:30:00	12.44	33.38	0.36	7.05	9.83	216.79
SQU-US	2025-09-03 21:45:00	12.44	32.66	0.36	7.05	9.86	240.29
SQU-US	2025-09-03 22:00:00	12.46	32.66	0.36	7.02	9.85	263.55
SQU-US	2025-09-03 22:15:00	12.45	31.92	0.36	7.04	9.87	266.39
SQU-US	2025-09-03 22:30:00	12.45	31.32	0.36	7.06	9.89	281.45
SQU-US	2025-09-03 22:45:00	12.43	30.97	0.36	7.06	9.88	329.00
SQU-US	2025-09-03 23:00:00	12.41	30.59	0.36	7.05	9.90	319.02
SQU-US	2025-09-03 23:15:00	12.39	30.92	0.36	7.10	9.88	331.89
SQU-US	2025-09-03 23:30:00	12.34	29.78	0.36	7.10	9.91	334.62
SQU-US	2025-09-03 23:45:00	12.29	29.62	0.36	7.05	9.95	321.26
SQU-US	2025-09-04 00:00:00	12.23	29.39	0.36	7.05	9.97	339.98
SQU-US	2025-09-04 00:15:00	12.18	29.41	0.36	7.06	9.97	365.89
SQU-US	2025-09-04 00:30:00	12.10	28.64	0.36	7.06	10.01	346.87
SQU-US	2025-09-04 00:45:00	12.04	28.59	0.36	7.06	10.01	366.16
SQU-US	2025-09-04 01:00:00	11.98	28.62	0.36	7.09	10.01	418.33
SQU-US	2025-09-04 01:15:00	11.91	28.38	0.36	7.07	10.04	390.67
SQU-US	2025-09-04 01:30:00	11.84	28.38	0.36	7.06	10.05	460.50
SQU-US	2025-09-04 01:45:00	11.79	28.60	0.36	7.07	10.04	428.91
SQU-US	2025-09-04 02:00:00	11.70	27.96	0.37	7.04	10.08	455.48
SQU-US	2025-09-04 02:15:00	11.64	28.18	0.36	7.06	10.10	476.65
SQU-US	2025-09-04 02:30:00	11.55	27.18	0.36	7.06	10.14	461.89
SQU-US	2025-09-04 02:45:00	11.49	27.38	0.36	7.06	10.14	396.65
SQU-US	2025-09-04 03:00:00	11.43	27.26	0.37	7.06	10.14	470.24
SQU-US	2025-09-04 03:15:00	11.36	26.50	0.36	7.09	10.17	449.62
SQU-US	2025-09-04 03:30:00	11.32	27.04	0.36	7.07	10.18	451.60
SQU-US	2025-09-04 03:45:00	11.27	26.79	0.37	7.07	10.18	470.57
SQU-US	2025-09-04 04:00:00	11.21	26.55	0.37	7.03	10.21	441.40
SQU-US	2025-09-04 04:15:00	11.17	26.82	0.36	7.05	10.20	449.29
SQU-US	2025-09-04 04:30:00	11.13	26.35	0.37	7.04	10.21	439.18
SQU-US	2025-09-04 04:45:00	11.11	27.05	0.37	7.04	10.22	403.05
SQU-US	2025-09-04 05:00:00	11.08	27.10	0.37	7.08	10.23	408.88
SQU-US	2025-09-04 05:15:00	11.02	26.02	0.37	7.04	10.26	397.74
SQU-US	2025-09-04 05:30:00	11.00	25.98	0.37	7.01	10.25	376.77
SQU-US	2025-09-04 05:45:00	10.98	26.01	0.37	7.01	10.26	361.35
SQU-US	2025-09-04 06:00:00	10.97	25.99	0.37	7.09	10.26	314.68
SQU-US	2025-09-04 06:15:00	10.96	26.06	0.37	7.08	10.23	358.40
SQU-US	2025-09-04 06:30:00	10.96	26.00	0.37	7.01	10.22	343.71
SQU-US	2025-09-04 06:45:00	10.95	25.84	0.37	7.05	10.22	363.35
SQU-US	2025-09-04 07:00:00	10.97	26.32	0.37	7.03	10.20	320.92
SQU-US	2025-09-04 07:15:00	10.97	26.25	0.37	7.01	10.21	311.30

Squamish River							
Station	Date/Time	Temperature (C)	Specific Conductivity (µS/cm)	ORP (V)	pH (pH units)	Dissolved Oxygen (mg/L)	Turbidity (NTU)
SQU-US	2025-09-04 07:30:00	10.98	26.25	0.37	7.01	10.20	320.14
SQU-US	2025-09-04 07:45:00	11.00	26.40	0.37	7.01	10.20	269.22
SQU-US	2025-09-04 08:00:00	11.02	26.30	0.37	6.98	10.19	310.98
SQU-US	2025-09-04 08:15:00	11.05	26.58	0.37	7.04	10.17	320.19
SQU-US	2025-09-04 08:30:00	11.08	26.85	0.37	7.05	10.17	288.81
SQU-US	2025-09-04 08:45:00	11.11	26.73	0.37	6.99	10.15	287.18
SQU-US	2025-09-04 09:00:00	11.14	27.01	0.37	7.01	10.15	250.34
SQU-US	2025-09-04 09:15:00	11.18	27.16	0.37	7.05	10.14	287.71
SQU-US	2025-09-04 09:30:00	11.22	27.01	0.37	7.06	10.14	285.95
SQU-US	2025-09-04 09:45:00	11.27	27.43	0.37	7.08	10.13	257.85
SQU-US	2025-09-04 10:00:00	11.32	28.04	0.37	7.06	10.13	287.10
SQU-US	2025-09-04 10:15:00	11.38	28.00	0.37	7.03	10.12	268.92
SQU-US	2025-09-04 10:30:00	11.44	28.42	0.37	7.08	10.11	257.51
SQU-US	2025-09-04 10:45:00	11.49	28.33	0.37	7.08	10.10	253.47
SQU-US	2025-09-04 11:00:00	11.54	28.42	0.37	7.06	10.08	262.34
SQU-US	2025-09-04 11:15:00	11.60	28.77	0.37	7.00	10.08	303.49
SQU-US	2025-09-04 11:30:00	11.64	28.33	0.37	7.04	10.07	255.46
SQU-US	2025-09-04 11:45:00	11.69	28.23	0.37	7.02	10.06	247.27
SQU-US	2025-09-04 12:00:00	11.75	28.65	0.37	6.99	10.06	228.64
SQU-US	2025-09-04 12:15:00	11.82	29.30	0.37	6.98	10.03	217.45
SQU-US	2025-09-04 12:30:00	11.87	29.12	0.37	7.07	10.01	253.72
SQU-US	2025-09-04 12:45:00	11.94	29.28	0.37	6.98	10.00	261.01
SQU-US	2025-09-04 13:00:00	12.01	29.99	0.37	7.02	9.98	165.12
SQU-US	2025-09-04 13:15:00	12.06	29.69	0.37	7.06	9.97	281.38
SQU-US	2025-09-04 13:30:00	12.12	29.80	0.37	7.06	9.98	200.70
SQU-US	2025-09-04 13:45:00	12.18	30.43	0.37	7.01	9.94	248.05
SQU-US	2025-09-04 14:00:00	12.24	30.41	0.36	7.05	9.95	208.10
SQU-US	2025-09-04 14:15:00	12.30	30.67	0.36	7.06	9.92	160.25
SQU-US	2025-09-04 14:30:00	12.36	30.94	0.37	7.06	9.93	194.50
SQU-US	2025-09-04 14:45:00	12.41	31.17	0.37	7.06	9.89	231.80
SQU-US	2025-09-04 15:00:00	12.47	31.45	0.37	7.06	9.89	207.17
SQU-US	2025-09-04 15:15:00	12.52	31.31	0.37	7.05	9.90	177.23
SQU-US	2025-09-04 15:30:00	12.55	31.35	0.36	7.08	9.88	237.33
SQU-US	2025-09-04 15:45:00	12.60	32.04	0.37	7.07	9.84	189.49
SQU-US	2025-09-04 16:00:00	12.61	31.70	0.36	7.09	9.84	165.64
SQU-US	2025-09-04 16:15:00	12.65	32.44	0.37	6.99	9.82	178.43
SQU-US	2025-09-04 16:30:00	12.65	32.53	0.37	7.04	9.80	187.05
SQU-US	2025-09-04 16:45:00	12.65	32.50	0.36	7.09	9.76	185.77
SQU-US	2025-09-04 17:00:00	12.67	33.17	0.37	7.03	9.76	158.76
SQU-US	2025-09-04 17:15:00	12.68	33.48	0.37	7.02	9.74	185.57
SQU-US	2025-09-04 17:30:00	12.69	34.55	0.37	7.00	9.69	175.28
SQU-US	2025-09-04 17:45:00	12.64	34.14	0.37	7.00	9.71	198.46
SQU-US	2025-09-04 18:00:00	12.62	34.26	0.36	7.06	9.69	158.00
SQU-US	2025-09-04 18:15:00	12.64	35.90	0.36	7.08	9.65	171.21
SQU-US	2025-09-04 18:30:00	12.61	36.45	0.36	7.10	9.65	188.53
SQU-US	2025-09-04 18:45:00	12.60	37.15	0.37	7.04	9.65	188.45
SQU-US	2025-09-04 19:00:00	12.57	37.26	0.37	6.99	9.64	174.16
SQU-US	2025-09-04 19:15:00	12.55	37.80	0.36	7.07	9.61	154.16
SQU-US	2025-09-04 19:30:00	12.53	38.09	0.36	7.03	9.61	186.00
SQU-US	2025-09-04 19:45:00	12.50	37.55	0.36	7.05	9.61	187.25
SQU-US	2025-09-04 20:00:00	12.49	37.26	0.37	6.97	9.63	202.72
SQU-US	2025-09-04 20:15:00	12.48	37.13	0.36	7.06	9.63	224.87
SQU-US	2025-09-04 20:30:00	12.48	37.23	0.36	7.04	9.64	204.40
SQU-US	2025-09-04 20:45:00	12.47	36.68	0.36	7.05	9.67	197.90
SQU-US	2025-09-04 21:00:00	12.46	35.62	0.36	7.04	9.71	185.40

Squamish River							
Station	Date/Time	Temperature (C)	Specific Conductivity (µS/cm)	ORP (V)	pH (pH units)	Dissolved Oxygen (mg/L)	Turbidity (NTU)
SQU-US	2025-09-04 21:15:00	12.48	35.92	0.36	7.05	9.70	201.17
SQU-US	2025-09-04 21:30:00	12.49	35.52	0.36	7.01	9.71	277.98
SQU-US	2025-09-04 21:45:00	12.49	34.26	0.36	7.07	9.74	279.44
SQU-US	2025-09-04 22:00:00	12.49	34.21	0.36	7.00	9.75	271.16
SQU-US	2025-09-04 22:15:00	12.48	33.19	0.36	7.06	9.76	298.23
SQU-US	2025-09-04 22:30:00	12.48	33.23	0.36	7.08	9.74	273.46
SQU-US	2025-09-04 22:45:00	12.46	32.15	0.36	7.05	9.78	326.25
SQU-US	2025-09-04 23:00:00	12.44	31.15	0.36	7.10	9.78	279.45
SQU-US	2025-09-04 23:15:00	12.42	31.87	0.36	7.07	9.79	314.18
SQU-US	2025-09-04 23:30:00	12.37	31.19	0.36	7.04	9.82	335.92
SQU-US	2025-09-04 23:45:00	12.32	30.87	0.36	7.08	9.84	324.82
SQU-US	2025-09-05 00:00:00	12.26	30.28	0.36	7.14	9.85	368.51
SQU-US	2025-09-05 00:15:00	12.20	30.52	0.36	7.12	9.87	328.98
SQU-US	2025-09-05 00:30:00	12.12	30.37	0.37	7.05	9.89	369.49
SQU-US	2025-09-05 00:45:00	12.06	30.77	0.37	7.04	9.90	317.47
SQU-US	2025-09-05 01:00:00	11.97	29.86	0.36	7.11	9.95	364.29
SQU-US	2025-09-05 01:15:00	11.91	30.37	0.36	7.11	9.94	346.28
SQU-US	2025-09-05 01:30:00	11.83	29.66	0.36	7.11	9.97	398.80
SQU-US	2025-09-05 01:45:00	11.77	30.13	0.37	7.06	9.96	371.19
SQU-US	2025-09-05 02:00:00	11.69	29.21	0.37	7.07	10.00	363.75
SQU-US	2025-09-05 02:15:00	11.64	29.83	0.36	7.12	10.01	458.59
SQU-US	2025-09-05 02:30:00	11.56	29.23	0.36	7.14	10.03	459.34
SQU-US	2025-09-05 02:45:00	11.49	28.73	0.37	7.12	10.06	449.30
SQU-US	2025-09-05 03:00:00	11.42	28.57	0.37	7.14	10.07	511.75
SQU-US	2025-09-05 03:15:00	11.35	28.37	0.36	7.13	10.08	404.51
SQU-US	2025-09-05 03:30:00	11.27	28.21	0.37	7.11	10.09	505.86
SQU-US	2025-09-05 03:45:00	11.19	28.05	0.37	7.10	10.10	460.80
SQU-US	2025-09-05 04:00:00	11.10	28.25	0.37	7.06	10.11	401.42
SQU-US	2025-09-05 04:15:00	11.00	27.63	0.37	7.07	10.15	445.29
SQU-US	2025-09-05 04:30:00	10.93	27.71	0.37	7.06	10.14	445.22
SQU-US	2025-09-05 04:45:00	10.85	27.60	0.37	7.05	10.18	452.51
SQU-US	2025-09-05 05:00:00	10.78	27.25	0.37	7.02	10.17	402.74
SQU-US	2025-09-05 05:15:00	10.75	27.63	0.37	7.05	10.20	412.27
SQU-US	2025-09-05 05:30:00	10.70	27.31	0.37	7.06	10.22	436.49
SQU-US	2025-09-05 05:45:00	10.67	27.36	0.37	7.10	10.20	401.22
SQU-US	2025-09-05 06:00:00	10.63	27.18	0.37	7.03	10.21	398.27
SQU-US	2025-09-05 06:15:00	10.60	27.01	0.37	7.03	10.22	364.44
SQU-US	2025-09-05 06:30:00	10.58	26.86	0.37	7.05	10.19	418.97
SQU-US	2025-09-05 06:45:00	10.57	27.00	0.37	7.06	10.20	401.08
SQU-US	2025-09-05 07:00:00	10.56	26.91	0.37	7.03	10.19	396.13
SQU-US	2025-09-05 07:15:00	10.55	27.00	0.37	7.06	10.18	343.49
SQU-US	2025-09-05 07:30:00	10.54	27.01	0.37	7.06	10.16	404.56
SQU-US	2025-09-05 07:45:00	10.54	26.87	0.37	7.03	10.19	401.90
SQU-US	2025-09-05 08:00:00	10.54	26.92	0.38	7.04	10.18	344.42
SQU-US	2025-09-05 08:15:00	10.55	26.95	0.37	7.03	10.17	328.67
SQU-US	2025-09-05 08:30:00	10.57	27.11	0.38	6.99	10.17	281.39
SQU-US	2025-09-05 08:45:00	10.60	27.71	0.38	7.01	10.13	301.86
SQU-US	2025-09-05 09:00:00	10.63	27.78	0.38	6.99	10.11	297.12
SQU-US	2025-09-05 09:15:00	10.65	27.86	0.38	7.00	10.12	298.34
SQU-US	2025-09-05 09:30:00	10.67	27.77	0.38	7.00	10.13	276.19
SQU-US	2025-09-05 09:45:00	10.71	28.29	0.38	7.02	10.13	261.94
SQU-US	2025-09-05 10:00:00	10.75	28.22	0.38	6.99	10.13	228.02
SQU-US	2025-09-05 10:15:00	10.79	28.46	0.37	7.02	10.12	317.79
SQU-US	2025-09-05 10:30:00	10.83	28.38	0.38	7.02	10.09	310.13
SQU-US	2025-09-05 10:45:00	10.88	28.53	0.38	7.03	10.10	243.28

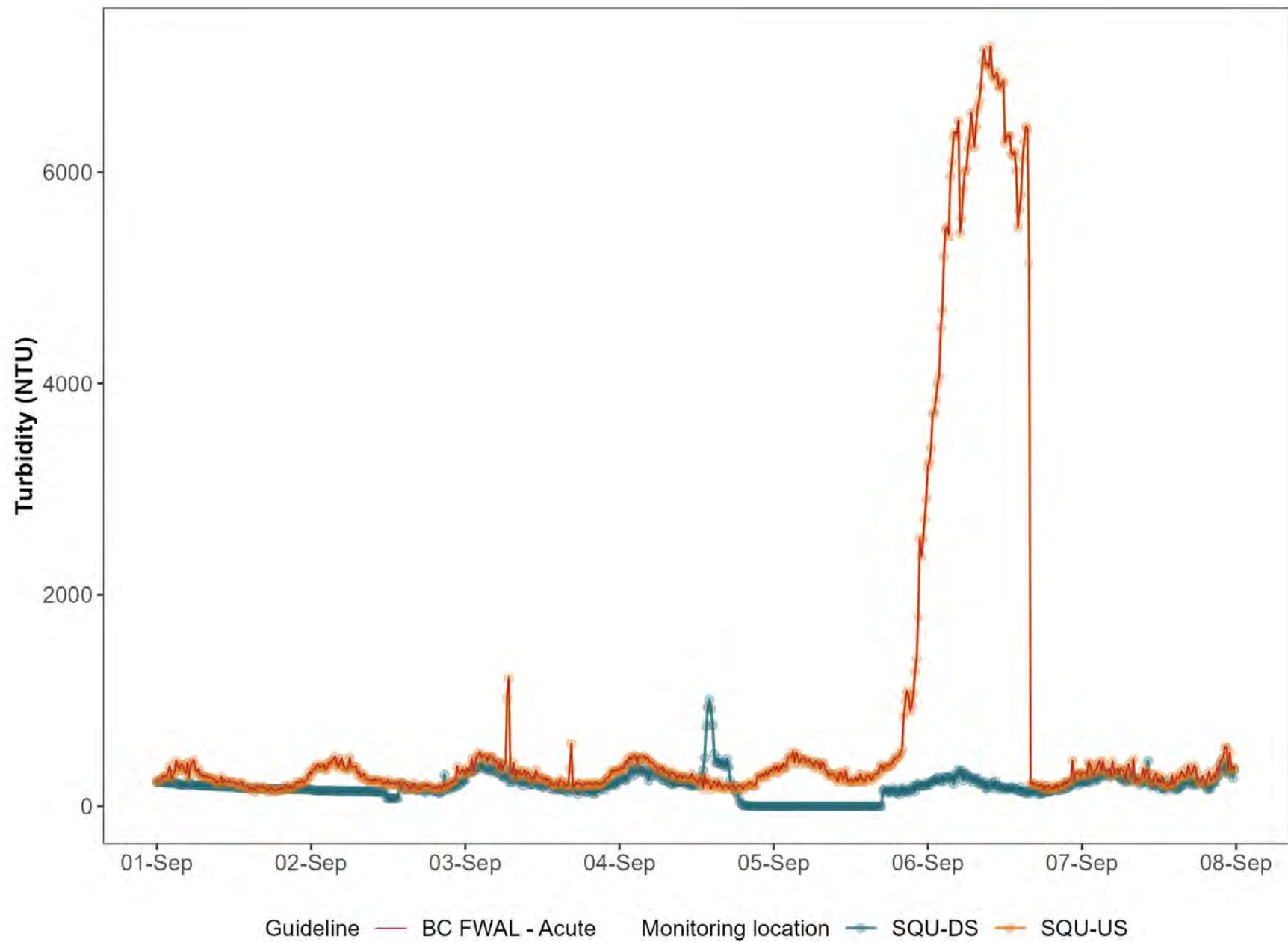
Squamish River							
Station	Date/Time	Temperature (C)	Specific Conductivity (µS/cm)	ORP (V)	pH (pH units)	Dissolved Oxygen (mg/L)	Turbidity (NTU)
SQU-US	2025-09-05 11:00:00	10.91	28.08	0.38	7.04	10.10	263.89
SQU-US	2025-09-05 11:15:00	10.96	28.84	0.37	7.04	10.09	330.93
SQU-US	2025-09-05 11:30:00	11.00	28.58	0.37	7.04	10.08	225.20
SQU-US	2025-09-05 11:45:00	11.05	29.35	0.38	7.03	10.05	237.34
SQU-US	2025-09-05 12:00:00	11.09	29.10	0.38	7.03	10.07	243.73
SQU-US	2025-09-05 12:15:00	11.13	29.48	0.37	7.03	10.06	224.58
SQU-US	2025-09-05 12:30:00	11.18	29.82	0.37	7.04	10.01	225.48
SQU-US	2025-09-05 12:45:00	11.22	29.73	0.37	7.04	10.01	270.04
SQU-US	2025-09-05 13:00:00	11.28	30.04	0.37	7.04	10.03	229.87
SQU-US	2025-09-05 13:15:00	11.31	30.03	0.37	7.04	10.02	238.26
SQU-US	2025-09-05 13:30:00	11.36	30.14	0.37	7.03	10.01	301.40
SQU-US	2025-09-05 13:45:00	11.41	29.79	0.37	7.03	9.97	251.47
SQU-US	2025-09-05 14:00:00	11.47	30.14	0.37	7.03	9.98	224.78
SQU-US	2025-09-05 14:15:00	11.53	30.83	0.37	7.04	9.95	231.40
SQU-US	2025-09-05 14:30:00	11.58	30.85	0.37	7.04	9.90	288.69
SQU-US	2025-09-05 14:45:00	11.63	30.31	0.37	7.04	9.95	287.00
SQU-US	2025-09-05 15:00:00	11.69	31.03	0.37	7.03	9.90	265.23
SQU-US	2025-09-05 15:15:00	11.72	30.98	0.37	7.04	9.90	241.01
SQU-US	2025-09-05 15:30:00	11.76	31.03	0.37	7.04	9.91	277.16
SQU-US	2025-09-05 15:45:00	11.80	31.21	0.37	7.04	9.90	296.02
SQU-US	2025-09-05 16:00:00	11.81	31.13	0.38	7.00	9.92	298.24
SQU-US	2025-09-05 16:15:00	11.83	31.22	0.37	7.02	9.93	300.38
SQU-US	2025-09-05 16:30:00	11.84	31.24	0.37	7.08	9.91	355.61
SQU-US	2025-09-05 16:45:00	11.82	31.19	0.37	7.04	9.92	385.26
SQU-US	2025-09-05 17:00:00	11.84	31.71	0.37	7.09	9.93	335.25
SQU-US	2025-09-05 17:15:00	11.86	32.26	0.37	7.11	9.87	366.57
SQU-US	2025-09-05 17:30:00	11.85	32.76	0.37	7.11	9.83	378.47
SQU-US	2025-09-05 17:45:00	11.82	32.59	0.37	7.10	9.85	381.21
SQU-US	2025-09-05 18:00:00	11.82	33.25	0.37	7.07	9.88	377.29
SQU-US	2025-09-05 18:15:00	11.83	34.25	0.37	7.07	9.83	380.85
SQU-US	2025-09-05 18:30:00	11.81	34.23	0.37	7.09	9.82	409.33
SQU-US	2025-09-05 18:45:00	11.79	35.16	0.37	7.10	9.80	441.18
SQU-US	2025-09-05 19:00:00	11.76	35.12	0.37	7.10	9.77	440.34
SQU-US	2025-09-05 19:15:00	11.75	35.94	0.36	7.11	9.77	465.11
SQU-US	2025-09-05 19:30:00	11.73	36.25	0.36	7.08	9.76	468.92
SQU-US	2025-09-05 19:45:00	11.73	37.20	0.37	7.07	9.74	495.89
SQU-US	2025-09-05 20:00:00	11.70	37.00	0.37	7.01	9.75	537.29
SQU-US	2025-09-05 20:15:00	11.67	36.20	0.37	7.03	9.77	843.75
SQU-US	2025-09-05 20:30:00	11.65	35.91	0.37	7.06	9.77	986.45
SQU-US	2025-09-05 20:45:00	11.64	35.62	0.37	7.05	9.81	1086.79
SQU-US	2025-09-05 21:00:00	11.62	34.73	0.37	7.04	9.82	1046.91
SQU-US	2025-09-05 21:15:00	11.62	34.76	0.36	7.07	9.84	897.54
SQU-US	2025-09-05 21:30:00	11.61	34.99	0.36	7.12	9.87	949.72
SQU-US	2025-09-05 21:45:00	11.59	34.21	0.37	7.09	9.89	1062.31
SQU-US	2025-09-05 22:00:00	11.57	32.80	0.37	7.02	9.93	1268.28
SQU-US	2025-09-05 22:15:00	11.55	32.10	0.37	7.06	9.95	1396.35
SQU-US	2025-09-05 22:30:00	11.53	31.54	0.37	7.07	9.94	1787.43
SQU-US	2025-09-05 22:45:00	11.52	31.36	0.37	7.06	9.95	2529.88
SQU-US	2025-09-05 23:00:00	11.51	31.23	0.37	7.08	9.97	2358.22
SQU-US	2025-09-05 23:15:00	11.50	30.79	0.37	7.06	9.98	2516.11
SQU-US	2025-09-05 23:30:00	11.47	30.67	0.37	7.06	9.99	2713.01
SQU-US	2025-09-05 23:45:00	11.44	30.30	0.37	7.07	10.01	2907.55
SQU-US	2025-09-06 00:00:00	11.40	30.02	0.37	7.03	10.04	3209.15
SQU-US	2025-09-06 00:15:00	11.35	29.65	0.37	7.09	10.05	3256.38
SQU-US	2025-09-06 00:30:00	11.31	29.54	0.37	7.08	10.07	3389.98

Squamish River							
Station	Date/Time	Temperature (C)	Specific Conductivity (µS/cm)	ORP (V)	pH (pH units)	Dissolved Oxygen (mg/L)	Turbidity (NTU)
SQU-US	2025-09-06 00:45:00	11.26	29.24	0.37	7.06	10.08	3713.78
SQU-US	2025-09-06 01:00:00	11.21	29.12	0.37	7.09	10.10	3727.45
SQU-US	2025-09-06 01:15:00	11.16	28.86	0.37	7.09	10.10	3845.59
SQU-US	2025-09-06 01:30:00	11.10	28.64	0.37	7.01	10.12	3996.70
SQU-US	2025-09-06 01:45:00	11.06	28.72	0.37	7.07	10.13	4073.53
SQU-US	2025-09-06 02:00:00	10.99	28.30	0.38	6.98	10.16	4520.87
SQU-US	2025-09-06 02:15:00	10.93	27.90	0.37	7.01	10.18	4697.64
SQU-US	2025-09-06 02:30:00	10.87	27.67	0.37	7.03	10.19	5198.39
SQU-US	2025-09-06 02:45:00	10.83	27.71	0.37	7.05	10.20	5458.15
SQU-US	2025-09-06 03:00:00	10.78	27.46	0.37	7.05	10.22	5478.17
SQU-US	2025-09-06 03:15:00	10.73	27.17	0.37	7.10	10.22	5400.32
SQU-US	2025-09-06 03:30:00	10.70	27.26	0.37	7.10	10.23	5960.00
SQU-US	2025-09-06 03:45:00	10.63	26.54	0.37	7.09	10.27	6099.39
SQU-US	2025-09-06 04:00:00	10.60	26.72	0.37	7.11	10.26	6335.18
SQU-US	2025-09-06 04:15:00	10.57	26.70	0.37	7.09	10.27	6379.30
SQU-US	2025-09-06 04:30:00	10.54	26.86	0.37	7.08	10.26	6344.64
SQU-US	2025-09-06 04:45:00	10.53	27.11	0.37	7.05	10.25	6484.79
SQU-US	2025-09-06 05:00:00	10.48	26.35	0.37	7.04	10.29	5425.76
SQU-US	2025-09-06 05:15:00	10.48	26.95	0.37	7.06	10.28	5558.94
SQU-US	2025-09-06 05:30:00	10.45	26.74	0.37	7.08	10.26	5832.90
SQU-US	2025-09-06 05:45:00	10.45	27.50	0.37	7.07	10.24	6008.16
SQU-US	2025-09-06 06:00:00	10.43	27.13	0.37	7.05	10.24	6028.04
SQU-US	2025-09-06 06:15:00	10.42	27.11	0.37	7.10	10.22	6230.77
SQU-US	2025-09-06 06:30:00	10.41	27.08	0.37	7.11	10.22	6309.17
SQU-US	2025-09-06 06:45:00	10.40	26.88	0.37	7.12	10.21	6560.13
SQU-US	2025-09-06 07:00:00	10.40	26.86	0.37	7.11	10.20	6377.25
SQU-US	2025-09-06 07:15:00	10.40	26.84	0.37	7.11	10.20	6237.56
SQU-US	2025-09-06 07:30:00	10.40	26.77	0.37	7.11	10.20	6434.56
SQU-US	2025-09-06 07:45:00	10.40	26.68	0.37	7.11	10.19	6612.42
SQU-US	2025-09-06 08:00:00	10.41	26.61	0.37	7.08	10.19	6677.64
SQU-US	2025-09-06 08:15:00	10.43	26.70	0.37	7.10	10.19	6805.90
SQU-US	2025-09-06 08:30:00	10.46	26.90	0.37	7.11	10.19	7050.20
SQU-US	2025-09-06 08:45:00	10.48	26.95	0.37	7.11	10.19	7162.53
SQU-US	2025-09-06 09:00:00	10.50	27.07	0.37	7.10	10.19	7014.94
SQU-US	2025-09-06 09:15:00	10.54	27.40	0.37	7.09	10.17	7022.26
SQU-US	2025-09-06 09:30:00	10.57	27.65	0.37	7.09	10.16	6990.92
SQU-US	2025-09-06 09:45:00	10.61	27.59	0.37	7.09	10.16	7189.41
SQU-US	2025-09-06 10:00:00	10.65	28.06	0.37	7.03	10.14	6938.73
SQU-US	2025-09-06 10:15:00	10.68	28.25	0.37	7.07	10.12	6889.68
SQU-US	2025-09-06 10:30:00	10.72	28.54	0.37	7.07	10.12	6897.05
SQU-US	2025-09-06 10:45:00	10.76	28.57	0.37	7.07	10.12	6937.17
SQU-US	2025-09-06 11:00:00	10.80	28.42	0.37	7.07	10.13	6814.03
SQU-US	2025-09-06 11:15:00	10.86	28.77	0.37	7.06	10.12	6796.27
SQU-US	2025-09-06 11:30:00	10.93	29.08	0.37	7.06	10.12	6846.17
SQU-US	2025-09-06 11:45:00	10.98	29.02	0.37	7.06	10.13	6859.99
SQU-US	2025-09-06 12:00:00	11.05	29.10	0.37	6.99	10.11	6278.98
SQU-US	2025-09-06 12:15:00	11.13	29.61	0.37	7.03	10.09	6329.90
SQU-US	2025-09-06 12:30:00	11.21	29.93	0.37	7.02	10.07	6346.20
SQU-US	2025-09-06 12:45:00	11.27	29.69	0.37	7.01	10.07	6342.65
SQU-US	2025-09-06 13:00:00	11.35	29.83	0.37	7.01	10.05	6179.50
SQU-US	2025-09-06 13:15:00	11.44	30.19	0.36	6.99	10.03	6159.49
SQU-US	2025-09-06 13:30:00	11.51	30.23	0.37	6.98	10.03	6192.51
SQU-US	2025-09-06 13:45:00	11.58	30.00	0.37	6.97	10.02	6015.13
SQU-US	2025-09-06 14:00:00	11.69	30.41	0.37	6.91	10.00	5479.05
SQU-US	2025-09-06 14:15:00	11.78	30.87	0.37	6.96	9.97	5639.26

Squamish River							
Station	Date/Time	Temperature (C)	Specific Conductivity (µS/cm)	ORP (V)	pH (pH units)	Dissolved Oxygen (mg/L)	Turbidity (NTU)
SQU-US	2025-09-06 14:30:00	11.87	31.31	0.37	6.95	9.96	5779.42
SQU-US	2025-09-06 14:45:00	11.96	31.42	0.37	6.96	9.92	6133.23
SQU-US	2025-09-06 15:00:00	12.01	31.27	0.37	6.98	9.92	6292.00
SQU-US	2025-09-06 15:15:00	12.00	31.45	0.36	6.94	9.90	6429.83
SQU-US	2025-09-06 15:30:00	12.04	31.90	0.36	6.95	9.89	6404.64
SQU-US	2025-09-06 15:45:00	12.07	31.39	0.37	6.94	9.91	5149.79
SQU-US	2025-09-06 16:00:00	12.10	31.20	0.36	7.04	9.91	207.40
SQU-US	2025-09-06 16:15:00	12.13	31.23	0.36	7.04	9.92	210.14
SQU-US	2025-09-06 16:30:00	12.17	31.67	0.37	7.05	9.89	210.72
SQU-US	2025-09-06 16:45:00	12.17	31.72	0.37	7.06	9.89	201.01
SQU-US	2025-09-06 17:00:00	12.17	32.00	0.37	7.08	9.87	186.20
SQU-US	2025-09-06 17:15:00	12.15	32.39	0.36	7.09	9.84	188.16
SQU-US	2025-09-06 17:30:00	12.17	33.61	0.36	7.09	9.79	186.01
SQU-US	2025-09-06 17:45:00	12.17	33.80	0.37	7.07	9.78	207.74
SQU-US	2025-09-06 18:00:00	12.14	33.44	0.37	7.07	9.79	153.53
SQU-US	2025-09-06 18:15:00	12.17	34.58	0.36	7.08	9.75	186.31
SQU-US	2025-09-06 18:30:00	12.13	34.78	0.37	6.96	9.75	159.64
SQU-US	2025-09-06 18:45:00	12.09	34.84	0.37	7.05	9.71	194.57
SQU-US	2025-09-06 19:00:00	12.08	35.98	0.36	7.09	9.71	163.05
SQU-US	2025-09-06 19:15:00	12.08	36.67	0.36	7.01	9.68	157.37
SQU-US	2025-09-06 19:30:00	12.03	36.15	0.36	7.00	9.69	167.94
SQU-US	2025-09-06 19:45:00	12.00	36.40	0.36	7.08	9.71	164.94
SQU-US	2025-09-06 20:00:00	12.00	36.78	0.36	7.05	9.69	201.98
SQU-US	2025-09-06 20:15:00	11.98	36.87	0.35	7.11	9.71	158.45
SQU-US	2025-09-06 20:30:00	11.99	37.77	0.36	7.06	9.68	190.74
SQU-US	2025-09-06 20:45:00	11.96	36.45	0.36	7.08	9.75	192.00
SQU-US	2025-09-06 21:00:00	11.96	35.37	0.36	7.06	9.80	181.12
SQU-US	2025-09-06 21:15:00	11.97	35.08	0.36	7.09	9.81	226.50
SQU-US	2025-09-06 21:30:00	12.00	34.88	0.36	7.12	9.81	197.39
SQU-US	2025-09-06 21:45:00	12.01	34.03	0.36	7.07	9.84	234.13
SQU-US	2025-09-06 22:00:00	12.01	33.29	0.36	7.06	9.86	234.89
SQU-US	2025-09-06 22:15:00	11.99	32.35	0.36	7.07	9.88	246.73
SQU-US	2025-09-06 22:30:00	11.96	31.41	0.36	7.11	9.90	429.24
SQU-US	2025-09-06 22:45:00	11.95	30.98	0.36	7.14	9.93	237.08
SQU-US	2025-09-06 23:00:00	11.93	30.49	0.36	7.14	9.93	312.49
SQU-US	2025-09-06 23:15:00	11.89	29.73	0.36	7.10	9.95	315.14
SQU-US	2025-09-06 23:30:00	11.87	29.79	0.36	7.13	9.97	297.43
SQU-US	2025-09-06 23:45:00	11.84	29.43	0.36	7.15	9.98	277.32
SQU-US	2025-09-07 00:00:00	11.80	29.25	0.36	7.15	9.99	313.43
SQU-US	2025-09-07 00:15:00	11.77	29.03	0.36	7.19	10.01	314.28
SQU-US	2025-09-07 00:30:00	11.73	29.03	0.36	7.20	10.01	304.53
SQU-US	2025-09-07 00:45:00	11.67	28.60	0.36	7.21	10.04	281.85
SQU-US	2025-09-07 01:00:00	11.61	28.13	0.36	7.20	10.06	413.34
SQU-US	2025-09-07 01:15:00	11.58	28.54	0.36	7.19	10.06	388.28
SQU-US	2025-09-07 01:30:00	11.52	27.44	0.36	7.19	10.09	311.93
SQU-US	2025-09-07 01:45:00	11.50	28.00	0.36	7.16	10.09	293.89
SQU-US	2025-09-07 02:00:00	11.43	27.65	0.36	7.18	10.12	329.57
SQU-US	2025-09-07 02:15:00	11.39	27.62	0.36	7.20	10.10	347.31
SQU-US	2025-09-07 02:30:00	11.33	27.41	0.36	7.21	10.13	390.70
SQU-US	2025-09-07 02:45:00	11.28	27.10	0.36	7.21	10.13	423.94
SQU-US	2025-09-07 03:00:00	11.23	26.77	0.36	7.20	10.13	326.53
SQU-US	2025-09-07 03:15:00	11.18	26.62	0.36	7.20	10.16	421.06
SQU-US	2025-09-07 03:30:00	11.13	26.50	0.36	7.18	10.18	335.78
SQU-US	2025-09-07 03:45:00	11.10	26.48	0.36	7.17	10.18	323.57
SQU-US	2025-09-07 04:00:00	11.04	26.22	0.36	7.14	10.20	319.96

Squamish River							
Station	Date/Time	Temperature (C)	Specific Conductivity (µS/cm)	ORP (V)	pH (pH units)	Dissolved Oxygen (mg/L)	Turbidity (NTU)
SQU-US	2025-09-07 04:15:00	10.99	26.07	0.36	7.15	10.24	356.42
SQU-US	2025-09-07 04:30:00	10.95	25.88	0.36	7.15	10.24	275.59
SQU-US	2025-09-07 04:45:00	10.92	25.83	0.36	7.15	10.25	418.48
SQU-US	2025-09-07 05:00:00	10.89	25.81	0.36	7.14	10.25	316.47
SQU-US	2025-09-07 05:15:00	10.87	25.87	0.36	7.13	10.24	314.34
SQU-US	2025-09-07 05:30:00	10.86	26.07	0.36	7.14	10.25	353.78
SQU-US	2025-09-07 05:45:00	10.85	25.95	0.36	7.13	10.26	307.13
SQU-US	2025-09-07 06:00:00	10.84	26.03	0.36	7.13	10.26	353.67
SQU-US	2025-09-07 06:15:00	10.86	26.55	0.37	7.13	10.23	331.43
SQU-US	2025-09-07 06:30:00	10.85	26.38	0.37	7.14	10.23	327.24
SQU-US	2025-09-07 06:45:00	10.84	26.29	0.37	7.13	10.21	245.97
SQU-US	2025-09-07 07:00:00	10.85	26.65	0.37	7.10	10.14	343.74
SQU-US	2025-09-07 07:15:00	10.85	26.61	0.36	7.10	10.15	394.28
SQU-US	2025-09-07 07:30:00	10.83	26.21	0.37	7.10	10.15	298.35
SQU-US	2025-09-07 07:45:00	10.84	26.14	0.37	7.09	10.12	274.42
SQU-US	2025-09-07 08:00:00	10.86	26.52	0.37	7.08	10.13	439.63
SQU-US	2025-09-07 08:15:00	10.85	25.94	0.36	7.08	10.16	222.72
SQU-US	2025-09-07 08:30:00	10.86	25.75	0.36	7.07	10.17	259.13
SQU-US	2025-09-07 08:45:00	10.90	26.21	0.36	7.08	10.14	239.01
SQU-US	2025-09-07 09:00:00	10.93	26.04	0.37	7.06	10.15	245.40
SQU-US	2025-09-07 09:15:00	10.95	25.82	0.36	7.06	10.14	269.07
SQU-US	2025-09-07 09:30:00	10.99	25.75	0.37	7.05	10.14	350.41
SQU-US	2025-09-07 09:45:00	11.03	25.74	0.36	7.03	10.17	262.16
SQU-US	2025-09-07 10:00:00	11.07	25.64	0.36	7.01	10.16	332.86
SQU-US	2025-09-07 10:15:00	11.12	25.83	0.36	7.00	10.16	321.06
SQU-US	2025-09-07 10:30:00	11.16	25.90	0.36	6.97	10.15	237.24
SQU-US	2025-09-07 10:45:00	11.24	26.14	0.37	6.97	10.16	229.79
SQU-US	2025-09-07 11:00:00	11.29	25.77	0.37	6.96	10.18	221.22
SQU-US	2025-09-07 11:15:00	11.40	26.28	0.37	6.95	10.16	288.55
SQU-US	2025-09-07 11:30:00	11.48	26.03	0.36	6.95	10.13	304.25
SQU-US	2025-09-07 11:45:00	11.56	26.29	0.37	6.94	10.15	221.57
SQU-US	2025-09-07 12:00:00	11.66	26.56	0.37	6.93	10.10	258.83
SQU-US	2025-09-07 12:15:00	11.75	27.18	0.36	6.94	10.10	212.86
SQU-US	2025-09-07 12:30:00	11.81	27.18	0.36	6.95	10.13	275.92
SQU-US	2025-09-07 12:45:00	11.87	27.32	0.36	6.93	10.09	203.51
SQU-US	2025-09-07 13:00:00	11.88	27.24	0.37	6.91	10.10	194.00
SQU-US	2025-09-07 13:15:00	11.94	27.49	0.36	6.91	10.09	185.70
SQU-US	2025-09-07 13:30:00	12.04	27.57	0.36	6.90	10.09	198.14
SQU-US	2025-09-07 13:45:00	12.14	28.31	0.36	6.89	10.05	206.28
SQU-US	2025-09-07 14:00:00	12.18	28.36	0.37	6.87	10.06	284.30
SQU-US	2025-09-07 14:15:00	12.19	28.28	0.36	6.88	10.06	194.85
SQU-US	2025-09-07 14:30:00	12.23	28.80	0.36	6.87	10.05	216.02
SQU-US	2025-09-07 14:45:00	12.27	28.78	0.36	6.87	10.03	275.93
SQU-US	2025-09-07 15:00:00	12.32	29.15	0.36	6.86	10.01	250.90
SQU-US	2025-09-07 15:15:00	12.30	28.79	0.36	6.86	10.03	280.23
SQU-US	2025-09-07 15:30:00	12.29	28.16	0.36	6.85	10.02	327.97
SQU-US	2025-09-07 15:45:00	12.27	29.08	0.36	6.85	10.00	287.00
SQU-US	2025-09-07 16:00:00	12.26	28.40	0.36	6.84	10.00	273.35
SQU-US	2025-09-07 16:15:00	12.25	28.43	0.36	6.85	10.00	286.66
SQU-US	2025-09-07 16:30:00	12.22	28.12	0.36	6.84	10.01	378.04
SQU-US	2025-09-07 16:45:00	12.23	28.16	0.36	6.84	10.00	306.30
SQU-US	2025-09-07 17:00:00	12.22	28.50	0.37	6.84	10.01	291.37

Squamish River							
Station	Date/Time	Temperature (C)	Specific Conductivity (µS/cm)	ORP (V)	pH (pH units)	Dissolved Oxygen (mg/L)	Turbidity (NTU)
SQU-US	2025-09-07 17:15:00	12.22	29.13	0.36	6.84	10.02	326.00
SQU-US	2025-09-07 17:30:00	12.19	29.35	0.36	6.84	10.00	382.86
SQU-US	2025-09-07 17:45:00	12.18	29.76	0.36	6.83	10.03	328.42
SQU-US	2025-09-07 18:00:00	12.19	30.07	0.36	6.83	10.03	225.84
SQU-US	2025-09-07 18:15:00	12.24	30.60	0.36	6.83	10.01	235.72
SQU-US	2025-09-07 18:30:00	12.27	31.17	0.36	6.83	9.98	224.09
SQU-US	2025-09-07 18:45:00	12.27	31.19	0.36	6.84	9.98	277.83
SQU-US	2025-09-07 19:00:00	12.28	31.84	0.36	6.84	9.93	219.48
SQU-US	2025-09-07 19:15:00	12.30	32.61	0.35	6.85	9.92	206.07
SQU-US	2025-09-07 19:30:00	12.32	33.23	0.35	6.85	9.83	256.17
SQU-US	2025-09-07 19:45:00	12.32	33.55	0.35	6.85	9.82	323.19
SQU-US	2025-09-07 20:00:00	12.31	33.51	0.36	6.86	9.81	239.98
SQU-US	2025-09-07 20:15:00	12.31	33.90	0.35	6.86	9.77	253.13
SQU-US	2025-09-07 20:30:00	12.30	34.20	0.36	6.86	9.77	281.63
SQU-US	2025-09-07 20:45:00	12.31	34.54	0.36	6.85	9.74	263.21
SQU-US	2025-09-07 21:00:00	12.32	35.09	0.36	6.85	9.75	355.72
SQU-US	2025-09-07 21:15:00	12.31	34.89	0.35	6.85	9.76	307.99
SQU-US	2025-09-07 21:30:00	12.32	34.92	0.35	6.85	9.75	406.55
SQU-US	2025-09-07 21:45:00	12.32	35.11	0.35	6.85	9.76	433.09
SQU-US	2025-09-07 22:00:00	12.34	34.99	0.36	6.85	9.76	461.99
SQU-US	2025-09-07 22:15:00	12.32	35.37	0.35	6.85	9.80	557.91
SQU-US	2025-09-07 22:30:00	12.31	35.41	0.35	6.85	9.81	555.66
SQU-US	2025-09-07 22:45:00	12.28	35.74	0.35	6.85	9.82	342.52
SQU-US	2025-09-07 23:00:00	12.27	36.15	0.36	6.85	9.83	507.75
SQU-US	2025-09-07 23:15:00	12.26	37.16	0.35	6.86	9.84	341.66
SQU-US	2025-09-07 23:30:00	12.25	37.81	0.35	6.86	9.86	372.70
SQU-US	2025-09-07 23:45:00	12.23	37.82	0.36	6.86	9.87	339.31



Water Quality Field Data Sheet



Hatfield

Project: FORTIS11234

Location Information

Site ID:	<u>SQU DS</u>	Date:	<u>September 2, 2025</u>
Site Name:	<u>Squamish River</u>	Time:	<u>13:50</u>
Site UTM:	Zone: <u>E:</u>	Crew:	<u>WS</u>
(NAD83)	N: <u></u>	Weather:	<u>Cloudy, 21°C</u>

In Situ Parameters

pH:	<u>5.88</u>	DO:	<u>N/A</u>	(mg/L)
Temp.:	<u>13.2</u>	Cond:	<u>75</u>	(us)
Turbidity:	<u>Out of range</u>			NTU
Visible Sheen:	<u>N</u>			
Water Surface Condition:	<u>Turbid</u>			

Photo Record

Photo unavailable

Observations

Water Quality Field Data Sheet



Hatfield

Project: FORTIS11234

Location Information

Site ID:	<u>SQU US</u>	Date:	<u>September 2, 2025</u>
Site Name:	<u>Squamish River</u>	Time:	<u>13:30</u>
Site UTM:	Zone: <u>E</u>	Crew:	<u>WS</u>
(NAD83)	N: <u></u>	Weather:	<u>Cloudy, 21°C</u>

In Situ Parameters

pH:	<u>5.98</u>	DO:	<u>N/A</u>	(mg/L)
Temp.:	<u>13.7</u>	Cond:	<u>119</u>	(us)
Turbidity:	<u>Out of range</u>	NTU		
Visible Sheen:	<u>N</u>			
Water Surface Condition:	<u>Turbid</u>			

Photo Record

Photo



Observations

 Eagle Mountain - Woodfibre Gas Pipeline Project Waste Discharge Permit PE-110163 Report	Reporting Week	Sept 1 st to Sept 7 th , 2025
	Report #	76
	Appendix C	C-1

Appendix C: Woodfibre Site Point of Discharge from Water Treatment Plant Documentation

 Eagle Mountain - Woodfibre Gas Pipeline Project Waste Discharge Permit PE-110163 Report	Reporting Week	Sept 1 st to Sept 7 th , 2025
	Report #	76
	Appendix C	C-2

Woodfibre Site Sample Analysis



Analyte	Unit	BC Approved Water Quality Guideline - Freshwater Aquatic Life - Short Term Max (Reportable)	BC Approved Water Quality Guideline - Freshwater Aquatic Life - Long Term Average (Non-reportable)	BC Working Water Quality Guideline - Freshwater Aquatic Life - Long Term Average (Non-reportable)	BC Approved Water Quality Guideline - Marine Aquatic Life - Long Term Average (Non-reportable)	BC Approved Water Quality Guideline - Marine Aquatic Life - Short Term Max (Non-reportable)	BC Working Water Quality Guideline - Marine Aquatic Life - Long Term Average (Non-reportable)	WLNG EOP 2025-09-02 09:06:00
In situ Parameters								
Field pH	pH Units	6.5 - 9						6.53
Field Temperature	°C	19	18					13.1
General Parameters								
pH	pH Units							7.77
Alkalinity (Total as CaCO ₃)	mg/L							47
Alkalinity (PP as CaCO ₃)	mg/L							<1
Hardness (CaCO ₃)-Total	mg/L							58.8
Hardness (CaCO ₃)-Dissolved	mg/L							58
Sulphide-Total	mg/L							<0.0018
Sulphide (as H ₂ S)	mg/L			0.002				<0.002
Anions and Nutrients								
Ammonia (N)-Total	mg/L	23.9	1.78		20	131		<0.015
Bicarbonate (HCO ₃)	mg/L							58
Carbonate (CO ₃)	mg/L							<1
Hydroxide (OH)	mg/L							<1
Nitrate (N)	mg/L	32.8	3		3.7			<0.02
Nitrite (N)	mg/L	0.6	0.2					<0.005
Nitrate plus Nitrite (N)	mg/L							<0.02
Nitrogen (N)-Total	mg/L							0.138
Phosphorus (P)-Total (4500-P)	mg/L							0.003
Bromide (Br)	mg/L							<0.01
Chloride (Cl)	mg/L	600	150					12
Fluoride (F)	mg/L	1.121				1.5		0.24
Sulphate (SO ₄)-Dissolved	mg/L		218					10

¹ Guideline calculated using the in-situ measurements (pH (field),Temperature (field), Turbidity (field), Hardness (as CaCO₃) – total, Dissolved Organic Carbon (DOC), Total Alkalinity (CaCO₃), and Chloride).

² Guideline values presented represent the lower of the co-factor dependent guidelines for the upstream and downstream stations when they differ, but exceedance bolding is dependent on guidelines calculated using in situ co-factor considerations.

³ **Bold text** denotes value exceeding guidelines, except in cases where they are below a station-specific guideline that isn't displayed as per ¹ and ² above. Note: Not all exceedances are project related.



Analyte	Unit	BC Approved Water Quality Guideline - Freshwater Aquatic Life - Short Term Max (Reportable)	BC Approved Water Quality Guideline - Freshwater Aquatic Life - Long Term Average (Non-reportable)	BC Working Water Quality Guideline - Freshwater Aquatic Life - Long Term Average (Non-reportable)	BC Approved Water Quality Guideline - Marine Aquatic Life - Long Term Average (Non-reportable)	BC Approved Water Quality Guideline - Marine Aquatic Life - Short Term Max (Non-reportable)	BC Working Water Quality Guideline - Marine Aquatic Life - Long Term Average (Non-reportable)	WLNG EOP 2025-09-02 09:06:00
Total Metals								
Aluminum (Al)-Total	mg/L		0.032356					0.144
Antimony (Sb)-Total	mg/L	0.25	0.074					0.000629
Arsenic (As)-Total	mg/L		0.005		0.0125			0.00175
Barium (Ba)-Total	mg/L			1				0.00642
Beryllium (Be)-Total	mg/L			0.00013			0.1	<0.00001
Bismuth (Bi)-Total	mg/L							<0.000005
Boron (B)-Total	mg/L		1.2		1.2			0.014
Cadmium (Cd)-Total	mg/L						0.00012	0.0000069
Calcium (Ca)-Total	mg/L							21.6
Cesium (Cs)-Total	mg/L							<0.00005
Chromium (Cr)-Total	mg/L							<0.0001
Chromium (Cr III)-Total	mg/L			0.0089			0.056	<0.00099
Chromium (Cr VI)-Total	mg/L			0.0025			0.0015	<0.00099
Cobalt (Co)-Total	mg/L							0.0000538
Copper (Cu)-Total	mg/L				0.002	0.003		0.000701
Iron (Fe)-Total	mg/L	1						0.0504
Lead (Pb)-Total	mg/L				0.002	0.14		0.0000947
Lithium (Li)-Total	mg/L							0.00436
Magnesium (Mg)-Total	mg/L							1.16
Manganese (Mn)-Total	mg/L	1.188	0.864				0.1	0.0451
Mercury (Hg)-Total	mg/L		0.00002		0.00002			<0.0000019
Molybdenum (Mo)-Total	mg/L	46	7.6					0.0276
Nickel (Ni)-Total	mg/L						0.0083	0.00021
Phosphorus (P)-Total (ICPMS)	mg/L							0.0061
Potassium (K)-Total	mg/L							2.05
Rubidium (Rb)-Total	mg/L							0.0049
Selenium (Se)-Total	mg/L		0.002		0.002			<0.00004
Silicon (Si)-Total	mg/L							7.19
Silver (Ag)-Total	mg/L		0.00012		0.0005	0.0037	0.0005	<0.000005
Sodium (Na)-Total	mg/L							7.52
Strontium (Sr)-Total	mg/L							0.0499
Sulphur (S)-Total	mg/L							3.4
Tellurium (Te)-Total	mg/L							<0.00002
Thallium (Tl)-Total	mg/L			0.00003				0.0000159
Thorium (Th)-Total	mg/L							<0.00005
Tin (Sn)-Total	mg/L							<0.0002
Titanium (Ti)-Total	mg/L							0.00214
Uranium (U)-Total	mg/L	0.0165		0.0075				0.000384
Vanadium (V)-Total	mg/L			0.06				<0.0002
Zinc (Zn)-Total	mg/L				0.01	0.055	0.005	0.00292
Zirconium (Zr)-Total	mg/L							<0.0001

¹ Guideline calculated using the in-situ measurements (pH (field), Temperature (field), Turbidity (field), Hardness (as CaCO₃) – total, Dissolved Organic Carbon (DOC), Total Alkalinity (CaCO₃), and Chloride).

² Guideline values presented represent the lower of the co-factor dependent guidelines for the upstream and downstream stations when they differ, but exceedance bolding is dependent on guidelines calculated using in situ co-factor considerations.

³ **Bold text** denotes value exceeding guidelines, except in cases where they are below a station-specific guideline that isn't displayed as per ¹ and ² above. Note: Not all exceedances are project related.



Analyte	Unit	BC Approved Water Quality Guideline - Freshwater Aquatic Life - Short Term Max (Reportable)	BC Approved Water Quality Guideline - Freshwater Aquatic Life - Long Term Average (Non-reportable)	BC Working Water Quality Guideline - Freshwater Aquatic Life - Long Term Average (Non-reportable)	BC Approved Water Quality Guideline - Marine Aquatic Life - Long Term Average (Non-reportable)	BC Approved Water Quality Guideline - Marine Aquatic Life - Short Term Max (Non-reportable)	BC Working Water Quality Guideline - Marine Aquatic Life - Long Term Average (Non-reportable)	WLNG EOP 2025-09-02 09:06:00
Dissolved Metals								
Aluminum (Al)-Dissolved	mg/L							0.0405
Antimony (Sb)-Dissolved	mg/L							0.000621
Arsenic (As)-Dissolved	mg/L							0.00172
Barium (Ba)-Dissolved	mg/L							0.00566
Beryllium (Be)-Dissolved	mg/L							<0.00001
Bismuth (Bi)-Dissolved	mg/L							<0.000005
Boron (B)-Dissolved	mg/L							0.014
Cadmium (Cd)-Dissolved	mg/L	0.00034	0.000143					0.0000122
Calcium (Ca)-Dissolved	mg/L							21.4
Cesium (Cs)-Dissolved	mg/L							<0.00005
Chromium (Cr)-Dissolved	mg/L							<0.0001
Cobalt (Co)-Dissolved	mg/L		0.000409					0.0000455
Copper (Cu)-Dissolved	mg/L	0.0002	0.0002					0.000231
Iron (Fe)-Dissolved	mg/L	0.35						<0.001
Lead (Pb)-Dissolved	mg/L		0.001594					<0.000005
Lithium (Li)-Dissolved	mg/L							0.00431
Manganese (Mn)-Dissolved	mg/L							0.0403
Magnesium (Mg)-Dissolved	mg/L							1.08
Mercury (Hg)-Dissolved	mg/L							<0.0000019
Molybdenum (Mo)-Dissolved	mg/L							0.027
Nickel (Ni)-Dissolved	mg/L	0.0221	0.0012					0.000175
Phosphorus (P)-Dissolved	mg/L							<0.002
Potassium (K)-Dissolved	mg/L							1.95
Rubidium (Rb)-Dissolved	mg/L							0.00458
Selenium (Se)-Dissolved	mg/L							<0.00004
Silicon (Si)-Dissolved	mg/L							7.05
Silver (Ag)-Dissolved	mg/L							<0.000005
Sodium (Na)-Dissolved	mg/L							6.86
Strontium (Sr)-Dissolved	mg/L			1.25				0.048
Sulphur (S)-Dissolved	mg/L							3.3
Tellurium (Te)-Dissolved	mg/L							<0.00002
Thallium (Tl)-Dissolved	mg/L							0.0000165
Thorium (Th)-Dissolved	mg/L							<0.000005
Tin (Sn)-Dissolved	mg/L							<0.0002
Titanium (Ti)-Dissolved	mg/L							<0.0005
Uranium (U)-Dissolved	mg/L							0.000318
Vanadium (V)-Dissolved	mg/L							<0.0002
Zinc (Zn)-Dissolved	mg/L	0.023513	0.010524					0.00242
Zirconium (Zr)-Dissolved	mg/L							<0.0001

¹ Guideline calculated using the in-situ measurements (pH (field), Temperature (field), Turbidity (field), Hardness (as CaCO₃) – total, Dissolved Organic Carbon (DOC), Total Alkalinity (CaCO₃), and Chloride).

² Guideline values presented represent the lower of the co-factor dependent guidelines for the upstream and downstream stations when they differ, but exceedance bolding is dependent on guidelines calculated using in situ co-factor considerations.

³ **Bold text** denotes value exceeding guidelines, except in cases where they are below a station-specific guideline that isn't displayed as per ¹ and ² above. Note: Not all exceedances are project related.



Analyte	Unit	BC Approved Water Quality Guideline - Freshwater Aquatic Life - Short Term Max (Reportable)	BC Approved Water Quality Guideline - Freshwater Aquatic Life - Long Term Average (Non-reportable)	BC Working Water Quality Guideline - Freshwater Aquatic Life - Long Term Average (Non-reportable)	BC Approved Water Quality Guideline - Marine Aquatic Life - Long Term Average (Non-reportable)	BC Approved Water Quality Guideline - Marine Aquatic Life - Short Term Max (Non-reportable)	BC Working Water Quality Guideline - Marine Aquatic Life - Long Term Average (Non-reportable)	WLNG EOP 2025-09-02 09:06:00
Inorganics								
Organic Carbon (C)-Total	mg/L							0.81
Organic Carbon (C)-Dissolved	mg/L							0.75
Solids-Total Dissolved	mg/L							100
Organics								
HEPH (C19-C32 less PAH)	mg/L							<0.2
LEPH (C10-C19 less PAH)	mg/L							<0.2
EPH (C10-C19)	mg/L							<0.2
EPH (C19-C32)	mg/L							<0.2
Ethylene Glycol	mg/L							<3
Diethylene Glycol	mg/L							<5
Triethylene Glycol	mg/L							<5
Propylene Glycol	mg/L							<5
Acenaphthene	mg/L		0.006		0.006			<0.00005
Acenaphthylene	mg/L							<0.00005
Acridine	mg/L		0.003					<0.00005
Anthracene	mg/L		0.004					<0.00001
Benzo(a)anthracene	mg/L		0.0001					<0.00001
Benzo(a)pyrene	mg/L		0.00001		0.00001			<0.000005
Benzo(b&j)fluoranthene	mg/L							<0.00003
Benzo(g,h,i)perylene	mg/L							<0.00005
Benzo(k)fluoranthene	mg/L							<0.00005
Chrysene	mg/L				0.0001			<0.00002
Dibenz(a,h)anthracene	mg/L							<0.000003
Fluoranthene	mg/L		0.004					<0.00002
Fluorene	mg/L		0.012		0.012			<0.00005
Indeno(1,2,3-cd)pyrene	mg/L							<0.00005
1-Methylnaphthalene	mg/L				0.001			<0.00005
2-Methylnaphthalene	mg/L				0.001			<0.0001
Naphthalene	mg/L	0.001	0.001		0.001			<0.0001
Phenanthrene	mg/L		0.0003					<0.00005
Pyrene	mg/L							<0.00002
Quinoline	mg/L							<0.00002
Low Molecular Weight PAH's	mg/L							<0.0001
High Molecular Weight PAH's	mg/L							<0.00005
Total PAH	mg/L							<0.0001
VH C6-C10	mg/L							<0.3
1,1,1,2-Tetrachloroethane	mg/L							<0.0005
1,1,1-Trichloroethane	mg/L							<0.0005
1,1,2,2-Tetrachloroethane	mg/L							<0.0005
1,1,2Trichloro-1,2,2Trifluoroethane	mg/L							<0.002
1,1,2-Trichloroethane	mg/L							<0.0005
1,1-Dichloroethane	mg/L							<0.0005
1,1-Dichloroethene	mg/L							<0.0005

¹ Guideline calculated using the in-situ measurements (pH (field), Temperature (field), Turbidity (field), Hardness (as CaCO₃) – total, Dissolved Organic Carbon (DOC), Total Alkalinity (CaCO₃), and Chloride).

² Guideline values presented represent the lower of the co-factor dependent guidelines for the upstream and downstream stations when they differ, but exceedance bolding is dependent on guidelines calculated using in situ co-factor considerations.

³ **Bold text** denotes value exceeding guidelines, except in cases where they are below a station-specific guideline that isn't displayed as per ¹ and ² above. Note: Not all exceedances are project related.

Analyte	Unit	BC Approved Water Quality Guideline - Freshwater Aquatic Life - Short Term Max (Reportable)	BC Approved Water Quality Guideline - Freshwater Aquatic Life - Long Term Average (Non-reportable)	BC Working Water Quality Guideline - Freshwater Aquatic Life - Long Term Average (Non-reportable)	BC Approved Water Quality Guideline - Marine Aquatic Life - Long Term Average (Non-reportable)	BC Approved Water Quality Guideline - Marine Aquatic Life - Short Term Max (Non-reportable)	BC Working Water Quality Guideline - Marine Aquatic Life - Long Term Average (Non-reportable)	WLNG EOP 2025-09-02 09:06:00
Organics (cont'd.)								
1,2,3-trichlorobenzene	mg/L			0.008				<0.002
1,2,4-trichlorobenzene	mg/L			0.024			0.0054	<0.002
1,2-dibromoethane	mg/L							<0.0002
1,2-Dichlorobenzene	mg/L			0.0007			0.042	<0.0005
1,2-Dichloroethane	mg/L			0.1				<0.0005
1,2-Dichloropropane	mg/L							<0.0005
1,3,5-trimethylbenzene	mg/L							<0.002
1,3-Butadiene	mg/L							<0.0005
1,3-Dichlorobenzene	mg/L			0.15				<0.0005
1,3-dichloropropane	mg/L							<0.001
1,4-Dichlorobenzene	mg/L			0.026				<0.0005
Benzene	mg/L		0.04		0.11			<0.0004
Bromobenzene	mg/L							<0.002
Bromodichloromethane	mg/L							<0.001
Bromoform	mg/L							<0.001
Bromomethane	mg/L							<0.001
Carbon tetrachloride	mg/L							<0.0005
Chlorobenzene	mg/L			0.0013			0.025	<0.0005
Chloroethane	mg/L							<0.001
Chloroform	mg/L							<0.001
Chloromethane	mg/L							<0.001
cis-1,2-Dichloroethene	mg/L							<0.001
cis-1,3-Dichloropropene	mg/L							<0.001
Dibromochloromethane	mg/L							<0.001
Dichlorodifluoromethane	mg/L							<0.002
Dichloromethane	mg/L			0.0981				<0.002
Ethylbenzene	mg/L		0.2		0.25			<0.0004
Hexachlorobutadiene	mg/L							<0.0005
Isopropylbenzene	mg/L							<0.002
Methyl-tert-butylether (MTBE)	mg/L	3.4				0.44		<0.004
Styrene	mg/L			0.072				<0.0005
Tetrachloroethene	mg/L							<0.0005
Toluene	mg/L		0.0005					<0.0004
trans-1,2-dichloroethene	mg/L							<0.001
trans-1,3-dichloropropene	mg/L							<0.001
Trichloroethene	mg/L							<0.0005
Trichlorofluoromethane	mg/L							<0.004
Vinyl chloride	mg/L							<0.0005
VPH (VH6 to 10 - BTEX)	mg/L							<0.3
Xylenes (Total)	mg/L		0.03					<0.0004
m & p-Xylene	mg/L							<0.0004
o-Xylene	mg/L							<0.0004
Phenols	mg/L	0.05						<0.0015

¹ Guideline calculated using the in-situ measurements (pH (field),Temperature (field), Turbidity (field), Hardness (as CaCO₃) – total, Dissolved Organic Carbon (DOC), Total Alkalinity (CaCO₃), and Chloride).

² Guideline values presented represent the lower of the co-factor dependent guidelines for the upstream and downstream stations when they differ, but exceedance bolding is dependent on guidelines calculated using in situ co-factor considerations.

³ **Bold text** denotes value exceeding guidelines, except in cases where they are below a station-specific guideline that isn't displayed as per ¹ and ² above. Note: Not all exceedances are project related.

 Eagle Mountain - Woodfibre Gas Pipeline Project Waste Discharge Permit PE-110163 Report	Reporting Week	Sept 1 st to Sept 7 th , 2025
	Report #	76
	Appendix C	C-3

Woodfibre Site WTP Discharge Field Notes and Logs

		Eagle Mountain- Woodfibre Gas Pipeline Project- Tunnel Scope	
Title	WoodFibre Weekly Water Discharge Report	Revision:	0
Data Date Range	September 01, 2025 to September 07, 2025	Prepared by: SD Approved by: BC2 Date: September 14, 2025	

Table of Contents:

1. Executive Summary and Notes
2. Discharge Parameter Summary
3. WTP Calibration Log

Appendices:

- Appendix A- WTP Data Log
- Appendix B- YSI Data Log
- Appendix C- Photos

1. Executive Summary and Field Notes:

The discharged water consistently remained within regulatory guidelines. The key parameters, including temperature, pH, NTU, salinity, conductivity, and oxidation-reduction potential (ORP), were monitored throughout the discharge process and remained within the prescribed limits. No visible sheen observed on top of the WTP tanks and discharged water. All relevant parameters were measured using YSI instruments and WTP probes. The total discharge volume up to September 01 was 554,462 m³.

Daily Volume Summary:

Table 1: Discharge Volumes Daily Summary

Date	Location	Volume (m3)	Comments
September 01	Woodfibre (WF)	2,326	Exceeded discharge volume limit
September 02	WF	2,370	Exceeded discharge volume limit
September 03	WF	2,549	Exceeded discharge volume limit
September 04	WF	2,437	Exceeded discharge volume limit
September 05	WF	2,312	Exceeded discharge volume limit
September 06	WF	2,301	Exceeded discharge volume limit
September 07	WF	2,742	Exceeded discharge volume limit
Total		17,037	None

		Eagle Mountain- Woodfibre Gas Pipeline Project- Tunnel Scope	
Title	WoodFibre Weekly Water Discharge Report	Revision:	0
Data Date Range	September 01, 2025 to September 07, 2025	Prepared by: Approved by: Date:	SD BC2 September 14, 2025

2. Discharge Parameter Summary:

Table 2: Discharge Parameter Summary

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
9/1/2025	0:15:00	7.3	2.627	1.5	554,462	14.7	272
9/1/2025	0:45:00	7.3	2.116	1.3	554,511	14.9	270
9/1/2025	1:00:00	7.2	2.661	0.7	554,551	14.6	272
9/1/2025	1:15:00	7.2	2.657	0.6	554,586	14.5	269
9/1/2025	1:30:00	7.2	2.627	0.7	554,621	14.5	269
9/1/2025	1:45:00	7.3	2.025	0.5	554,658	14.6	269
9/1/2025	2:00:00	7.3	2.093	0.7	554,693	14.6	270
9/1/2025	2:15:00	7.2	2.627	0.5	554,730	14.5	269
9/1/2025	2:30:00	7.3	2.650	3.5	554,743	14.7	268
9/1/2025	2:45:00	7.3	2.619	1.7	554,778	14.7	268
9/1/2025	3:00:00	7.3	1.877	24.3	554,814	14.4	269
9/1/2025	3:15:00	7.3	1.760	2.8	554,839	14.3	273
9/1/2025	3:30:00	7.3	2.608	0.9	554,865	14.4	273
9/1/2025	3:45:00	7.3	2.017	1	554,901	14.4	273
9/1/2025	4:15:00	7.2	2.578	1	554,948	14.4	273
9/1/2025	4:30:00	7.3	1.677	2.4	554,982	14.4	274
9/1/2025	4:45:00	7.2	2.536	0.7	555,002	14.3	271
9/1/2025	5:00:00	7.2	2.434	2.2	555,037	14.1	272
9/1/2025	5:15:00	7.2	2.763	1.6	555,077	14	271
9/1/2025	5:30:00	7.3	1.794	1.1	555,111	14.1	271
9/1/2025	5:45:00	7.3	2.744	2	555,147	14.1	272

Title WoodFibre Weekly Water Discharge Report

Revision:
0
Data Date Range September 01, 2025 to September 07, 2025

Prepared by:
SD
Approved by:
BC2
Date:
September 14, 2025

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
9/1/2025	6:15:00	7.2	2.055	1.5	555,184	14.3	273
9/1/2025	6:45:00	7.2	2.025	1.4	555,242	14.1	271
9/1/2025	7:00:00	7.2	1.995	0.8	555,273	14.1	271
9/1/2025	7:15:00	7.2	2.513	0.8	555,309	14.1	271
9/1/2025	7:30:00	7.2	1.310	0.4	555,341	14.1	271
9/1/2025	7:45:00	7.2	2.502	0.5	555,369	14.1	270
9/1/2025	8:00:00	7.2	2.479	0.4	555,406	14.1	271
9/1/2025	8:30:00	7.2	2.676	0.5	555,439	14.1	270
9/1/2025	8:45:00	7.2	2.108	1.1	555,478	14.2	270
9/1/2025	9:00:00	7.2	2.161	1.2	555,511	14.2	270
9/1/2025	9:15:00	7.2	2.710	4.3	555,526	14.5	270
9/1/2025	9:30:00	7.2	2.123	1.2	555,562	14.4	270
9/1/2025	9:45:00	7.2	2.691	1.8	555,598	14.4	270
9/1/2025	10:00:00	7.3	2.676	2.3	555,638	14.5	273
9/1/2025	10:15:00	7.3	2.165	2.9	555,672	14.6	273
9/1/2025	10:30:00	7.3	2.699	2.2	555,682	15	272
9/1/2025	10:45:00	7.3	2.108	3.2	555,721	14.8	272
9/1/2025	11:15:00	7.3	2.718	2.5	555,773	14.9	272
9/1/2025	11:45:00	7.3	2.695	2.2	555,819	15	272
9/1/2025	12:00:00	7.3	2.684	3.3	555,859	15.1	272
9/1/2025	12:30:00	7.3	2.721	2.5	555,901	15.2	272
9/1/2025	12:45:00	7.3	2.131	3.9	555,940	15.3	272
9/1/2025	13:00:00	7.3	2.676	3.7	555,973	15.3	272
9/1/2025	13:30:00	7.3	2.339	3.2	556,014	15.3	272

Title WoodFibre Weekly Water Discharge Report

Revision:
0
Data Date Range
September 01, 2025 to September 07, 2025
Prepared by:
SD
Approved by:
BC2
Date:
September 14, 2025

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
9/1/2025	13:45:00	7.3	2.729	5.6	556,024	15.6	272
9/1/2025	14:00:00	7.3	2.718	3.4	556,065	15.5	272
9/1/2025	14:15:00	7.3	2.180	3.4	556,098	15.6	272
9/1/2025	14:45:00	7.3	2.108	11.4	556,136	15.6	272
9/1/2025	15:15:00	7.3	2.733	2.8	556,190	15.5	272
9/1/2025	15:30:00	7.3	2.699	5.3	556,226	15.5	272
9/1/2025	15:45:00	7.2	2.710	2.3	556,262	15.4	272
9/1/2025	16:00:00	7.3	2.702	3.3	556,302	15.4	274
9/1/2025	16:15:00	7.3	2.180	2.6	556,336	15.6	274
9/1/2025	16:30:00	7.3	2.706	2	556,374	15.6	274
9/1/2025	16:45:00	7.3	2.116	4.6	556,412	15.6	274
9/1/2025	17:00:00	7.3	2.691	3.5	556,445	15.7	274
9/1/2025	17:15:00	7.3	2.699	3	556,485	15.6	274
9/1/2025	17:45:00	7.3	2.721	1.9	556,534	15.6	271
9/1/2025	18:15:00	7.3	2.188	3.5	556,584	15.7	272
9/1/2025	18:30:00	7.3	2.691	3.2	556,622	15.5	272
9/1/2025	18:45:00	7.3	2.112	3.8	556,660	15.3	274
9/1/2025	19:15:00	7.3	2.740	2.6	556,716	15.2	274
9/1/2025	19:30:00	7.3	2.721	4.1	556,752	15.2	274
9/1/2025	19:45:00	7.3	2.714	1.4	556,788	15.1	274
9/1/2025	20:00:00	7.3	1.287	1.5	556,807	14.8	274
9/1/2025	20:30:00	7.3	2.619	1.8	556,838	14.8	272
9/1/2025	20:45:00	7.3	2.070	2.2	556,871	14.9	272
9/1/2025	21:15:00	7.3	1.980	5.9	556,916	15.1	272

Title	WoodFibre Weekly Water Discharge Report	Revision:	0
Data Date Range	September 01, 2025 to September 07, 2025	Prepared by: Approved by: Date:	SD BC2 September 14, 2025

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
9/1/2025	21:30:00	7.3	2.078	0.3	556,948	15.3	271
9/1/2025	21:45:00	7.3	2.581	0.1	556,985	15.3	270
9/1/2025	22:00:00	7.3	2.010	0.5	557,021	15.6	270
9/1/2025	22:30:00	7.3	2.604	0	557,074	15.7	268
9/1/2025	22:45:00	7.3	2.089	0.7	557,108	15.6	269
9/1/2025	23:15:00	7.3	2.033	1.5	557,154	15.5	268
9/1/2025	23:30:00	7.3	2.169	0	557,186	15.6	270
9/1/2025	23:45:00	7.3	2.600	0.1	557,216	15.5	272
9/2/2025	0:00:00	7.3	1.976	0.1	557,251	15.6	269
9/2/2025	0:15:00	7.3	2.574	0	557,284	15.5	269
9/2/2025	0:30:00	7.3	2.578	0.5	557,322	15.2	269
9/2/2025	0:45:00	7.3	2.029	0.4	557,355	15.2	269
9/2/2025	1:00:00	7.3	2.551	0.2	557,389	15	269
9/2/2025	1:15:00	7.3	1.643	3	557,423	14.7	271
9/2/2025	1:30:00	7.3	2.430	0.3	557,446	14.8	269
9/2/2025	1:45:00	7.3	2.067	0.7	557,477	14.8	268
9/2/2025	2:00:00	7.2	2.426	0.4	557,511	14.6	270
9/2/2025	2:15:00	7.2	1.862	1	557,546	14.6	270
9/2/2025	2:30:00	7.3	1.919	0.6	557,575	14.6	272
9/2/2025	2:45:00	7.2	2.396	0.4	557,610	14.5	272
9/2/2025	3:15:00	7.2	2.396	0.4	557,655	14.5	270
9/2/2025	3:30:00	7.3	2.400	0.6	557,691	14.4	271
9/2/2025	3:45:00	7.3	1.927	0.7	557,722	14.4	272
9/2/2025	4:00:00	7.2	2.297	0.6	557,741	14.4	269

Title WoodFibre Weekly Water Discharge Report

Revision:
0
Data Date Range
September 01, 2025 to September 07, 2025
Prepared by:
SD
Approved by:
BC2
Date:
September 14, 2025

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
9/2/2025	4:15:00	7.3	2.468	4.2	557,783	14.3	272
9/2/2025	4:30:00	7.3	2.521	2.8	557,821	14.6	274
9/2/2025	5:15:00	7.3	3.054	2.3	557,826	15.5	269
9/2/2025	5:30:00	7.3	2.702	0.7	557,868	15.5	270
9/2/2025	5:45:00	7.3	1.987	1.2	557,901	15.4	271
9/2/2025	6:00:00	7.3	2.706	0.9	557,938	15.1	272
9/2/2025	6:15:00	7.3	2.275	2.8	557,954	15.3	272
9/2/2025	6:45:00	7.3	2.562	0.6	558,008	15.2	268
9/2/2025	7:00:00	7.3	2.051	1.1	558,043	15.4	272
9/2/2025	7:15:00	7.3	2.585	4.3	558,077	15.2	268
9/2/2025	7:30:00	7.3	2.566	5.1	558,115	15	269
9/2/2025	8:00:00	7.5	2.623	38.8	558,145	14.8	269
9/2/2025	8:15:00	7.3	1.998	1.8	558,182	14.5	267
9/2/2025	8:30:00	7.3	1.964	3.3	558,213	14.4	267
9/2/2025	8:45:00	7.3	2.699	3.5	558,252	14.3	267
9/2/2025	9:15:00	7.3	2.725	0.8	558,308	14.3	267
9/2/2025	9:30:00	7.3	2.695	1.1	558,349	14.3	267
9/2/2025	9:45:00	7.3	2.699	0.8	558,384	14.4	267
9/2/2025	10:00:00	7.3	2.702	1.2	558,425	14.4	267
9/2/2025	10:30:00	7.3	2.695	1.3	558,482	14.5	268
9/2/2025	10:45:00	7.3	2.695	2	558,522	14.5	268
9/2/2025	11:15:00	7.3	2.646	2.3	558,567	14.5	268
9/2/2025	11:30:00	7.3	2.127	1.4	558,580	14.7	268
9/2/2025	11:45:00	7.3	2.680	1.3	558,614	14.6	268

Title WoodFibre Weekly Water Discharge Report

Revision:
0
Data Date Range
September 01, 2025 to September 07, 2025
Prepared by:
SD
Approved by:
BC2
Date:
September 14, 2025

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
9/2/2025	12:15:00	7.3	2.101	2.2	558,670	14.8	268
9/2/2025	12:30:00	7.3	2.668	1.1	558,707	14.7	268
9/2/2025	12:45:00	7.3	2.127	3.3	558,746	14.8	269
9/2/2025	13:00:00	7.3	2.093	3.2	558,758	15.1	267
9/2/2025	13:15:00	7.3	2.691	1.6	558,799	14.9	267
9/2/2025	13:30:00	7.3	2.086	3.5	558,835	15.2	267
9/2/2025	13:45:00	7.3	2.619	6.6	558,844	15.9	267
9/2/2025	14:00:00	7.3	2.706	1.7	558,885	15.1	267
9/2/2025	14:15:00	7.3	2.059	1.2	558,919	15.4	267
9/2/2025	14:30:00	7.3	2.718	2.5	558,933	15.4	266
9/2/2025	14:45:00	7.3	2.271	4.2	558,973	15.3	267
9/2/2025	15:00:00	7.3	2.025	2	559,005	15.3	266
9/2/2025	15:15:00	7.3	2.706	1.4	559,044	15	266
9/2/2025	15:30:00	7.3	2.082	3.3	559,081	15.2	267
9/2/2025	15:45:00	7.3	2.672	1.6	559,117	15.2	267
9/2/2025	16:00:00	7.3	2.668	1.9	559,157	15.2	267
9/2/2025	16:30:00	7.3	2.733	2	559,180	15.2	269
9/2/2025	16:45:00	7.3	2.233	4.2	559,220	15.4	269
9/2/2025	17:00:00	7.3	2.063	2.2	559,252	15.6	269
9/2/2025	17:15:00	7.3	2.718	1.7	559,292	15.3	269
9/2/2025	17:30:00	7.3	2.135	1.9	559,329	15.6	269
9/2/2025	17:45:00	7.3	2.725	1.5	559,335	15.8	269
9/2/2025	18:00:00	7.3	2.695	1.7	559,376	15.3	267
9/2/2025	18:15:00	7.3	2.086	1.1	559,410	15.4	267

Title WoodFibre Weekly Water Discharge Report

Revision:
0
Data Date Range
September 01, 2025 to September 07, 2025
Prepared by:
SD
Approved by:
BC2
Date:
September 14, 2025

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
9/2/2025	18:30:00	7.3	2.687	0.7	559,448	15.1	267
9/2/2025	18:45:00	7.3	2.078	2.2	559,467	15.2	267
9/2/2025	19:00:00	7.3	2.097	1.2	559,481	15.4	269
9/2/2025	19:15:00	7.3	2.714	1	559,522	15	269
9/2/2025	19:30:00	7.3	2.150	0.6	559,558	15.1	268
9/2/2025	20:00:00	7.3	2.710	0.8	559,613	14.7	265
9/2/2025	20:15:00	7.3	2.074	1.1	559,647	14.9	266
9/2/2025	20:30:00	7.3	2.710	1.3	559,684	14.7	266
9/2/2025	20:45:00	7.3	2.108	2.3	559,723	14.8	265
9/2/2025	21:00:00	7.3	2.320	2.8	559,728	14.6	265
9/2/2025	21:15:00	7.3	2.631	1	559,766	14.6	265
9/2/2025	21:30:00	7.3	2.786	1.4	559,808	14.5	265
9/2/2025	22:15:00	7.3	2.297	1.4	559,833	14.8	267
9/2/2025	22:30:00	7.3	2.135	6	559,872	14.6	265
9/2/2025	22:45:00	7.3	2.627	1.8	559,885	15.2	267
9/2/2025	23:00:00	7.3	2.687	2.4	559,926	14.6	268
9/2/2025	23:30:00	7.3	2.706	1.7	559,976	14.5	265
9/2/2025	23:45:00	7.3	2.192	3	560,015	14.5	267
9/3/2025	0:00:00	7.3	2.676	2.1	560,048	14.5	267
9/3/2025	0:15:00	7.3	2.661	2.3	560,088	14.6	265
9/3/2025	0:45:00	7.3	2.672	1.8	560,144	14.6	267
9/3/2025	1:00:00	7.3	0.000	3.5	560,158	14.5	267
9/3/2025	1:15:00	7.3	2.441	1.7	560,177	14.7	263
9/3/2025	1:30:00	7.3	2.419	1.2	560,209	14.6	265

Title WoodFibre Weekly Water Discharge Report

Revision:
0
Data Date Range
September 01, 2025 to September 07, 2025
Prepared by:
SD
Approved by:
BC2
Date:
September 14, 2025

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
9/3/2025	1:45:00	7.3	2.415	1	560,236	14.7	265
9/3/2025	2:00:00	7.3	2.547	3.8	560,275	14.5	265
9/3/2025	2:15:00	7.3	2.381	7.2	560,317	14.5	265
9/3/2025	2:30:00	7.3	3.043	3.7	560,358	14.6	265
9/3/2025	2:45:00	7.3	3.028	5.5	560,404	14.5	265
9/3/2025	3:00:00	7.3	3.051	6.3	560,424	14.7	265
9/3/2025	3:15:00	7.3	1.964	6.3	560,462	14.5	265
9/3/2025	3:30:00	7.3	2.544	3.5	560,497	14.4	267
9/3/2025	3:45:00	7.3	2.547	2.6	560,530	14.5	267
9/3/2025	4:15:00	7.3	1.976	5.5	560,578	14.5	263
9/3/2025	4:30:00	7.3	3.013	2.7	560,609	14.3	265
9/3/2025	4:45:00	7.3	3.626	3.5	560,654	14.2	263
9/3/2025	5:00:00	7.3	3.266	5.3	560,703	14.1	263
9/3/2025	5:15:00	7.3	3.244	5.2	560,752	14.1	264
9/3/2025	5:30:00	7.3	2.313	12.6	560,792	14.1	263
9/3/2025	5:45:00	7.3	2.676	2.8	560,827	14.1	263
9/3/2025	6:00:00	7.3	2.653	8.1	560,867	14.1	267
9/3/2025	6:30:00	7.3	2.767	1.8	560,905	14.1	264
9/3/2025	6:45:00	7.3	2.313	4.1	560,944	14	266
9/3/2025	7:00:00	7.3	2.142	1.2	560,980	14	264
9/3/2025	7:15:00	7.3	2.702	1	561,019	13.9	264
9/3/2025	7:30:00	7.3	2.184	0.8	561,055	14	263
9/3/2025	7:45:00	7.3	2.680	0.5	561,091	13.9	265
9/3/2025	8:15:00	7.3	2.116	1.8	561,132	14	263

Title WoodFibre Weekly Water Discharge Report

Revision:
0
Data Date Range
September 01, 2025 to September 07, 2025
Prepared by:
SD
Approved by:
BC2
Date:
September 14, 2025

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
9/3/2025	8:30:00	7.3	2.687	0.5	561,168	13.9	263
9/3/2025	8:45:00	7.3	2.146	0.8	561,207	13.9	263
9/3/2025	9:00:00	7.3	2.127	0.6	561,223	14	260
9/3/2025	9:15:00	7.2	2.691	0.6	561,262	13.9	262
9/3/2025	9:30:00	7.3	2.593	1.4	561,298	14	260
9/3/2025	9:45:00	7.3	2.725	1.7	561,317	14.3	262
9/3/2025	10:00:00	7.2	2.687	1	561,358	14	260
9/3/2025	10:15:00	7.3	2.082	8.4	561,393	14	258
9/3/2025	10:30:00	7.2	2.718	1.2	561,412	14.1	258
9/3/2025	10:45:00	7.2	2.142	3.1	561,451	14.1	258
9/3/2025	11:00:00	7.3	2.097	1.8	561,485	14.2	257
9/3/2025	11:15:00	7.2	2.668	1	561,523	14.1	259
9/3/2025	11:45:00	7.2	2.699	0.4	561,571	14.3	257
9/3/2025	12:00:00	7.3	2.665	0.3	561,611	14.3	257
9/3/2025	12:30:00	7.2	2.702	0.1	561,650	14.4	257
9/3/2025	12:45:00	7.3	2.157	0.3	561,688	14.5	257
9/3/2025	13:00:00	7.3	2.078	0.2	561,722	14.5	257
9/3/2025	13:15:00	7.3	2.653	0.1	561,760	14.4	257
9/3/2025	13:45:00	7.3	2.699	0.3	561,813	14.6	257
9/3/2025	14:00:00	7.3	2.672	0.2	561,853	14.5	257
9/3/2025	14:15:00	7.3	2.059	0.7	561,889	14.5	256
9/3/2025	14:30:00	7.3	2.706	0.2	561,907	14.6	257
9/3/2025	14:45:00	7.3	2.123	0.9	561,945	14.6	256
9/3/2025	15:00:00	7.3	2.059	0.7	561,979	14.7	256

Title WoodFibre Weekly Water Discharge Report

Revision:
0
Data Date Range September 01, 2025 to September 07, 2025

Prepared by:
SD
Approved by:
BC2
Date:
September 14, 2025

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
9/3/2025	15:15:00	7.2	2.653	0.7	562,017	14.6	256
9/3/2025	15:45:00	7.3	2.665	0	562,064	14.7	256
9/3/2025	16:00:00	7.3	2.650	0.1	562,104	14.6	256
9/3/2025	16:15:00	7.3	2.055	1.2	562,138	14.7	256
9/3/2025	16:30:00	7.3	2.665	1.9	562,174	14.7	256
9/3/2025	16:45:00	7.3	2.074	1.2	562,211	14.8	256
9/3/2025	17:00:00	7.3	2.014	1	562,245	14.8	269
9/3/2025	17:15:00	7.3	2.615	0	562,260	14.7	269
9/3/2025	17:30:00	7.3	2.612	0	562,295	14.7	269
9/3/2025	17:45:00	7.3	2.631	0	562,330	14.6	269
9/3/2025	18:00:00	7.3	2.623	0.7	562,369	14.5	268
9/3/2025	18:15:00	7.3	2.036	1.1	562,403	14.5	268
9/3/2025	18:30:00	7.3	2.608	0	562,438	14.6	267
9/3/2025	19:00:00	7.3	2.222	0.5	562,470	14.7	266
9/3/2025	19:15:00	7.3	2.623	0.5	562,508	14.5	266
9/3/2025	19:30:00	7.3	2.619	1.2	562,543	14.6	266
9/3/2025	20:00:00	7.3	2.631	2.6	562,596	14.4	266
9/3/2025	20:15:00	7.3	2.014	4	562,630	14.3	266
9/3/2025	20:45:00	7.3	2.142	2.1	562,670	14.2	265
9/3/2025	21:00:00	7.3	2.036	0.7	562,704	14.2	265
9/3/2025	21:15:00	7.3	2.623	0.6	562,742	14.1	267
9/3/2025	21:30:00	7.3	2.631	0.4	562,777	14.1	267
9/3/2025	21:45:00	7.3	2.653	0.4	562,812	14.3	267
9/3/2025	22:00:00	7.3	0.840	3.7	562,836	14.4	265

Title WoodFibre Weekly Water Discharge Report

Revision:
0
Data Date Range September 01, 2025 to September 07, 2025

Prepared by:
SD
Approved by:
BC2
Date:
September 14, 2025

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
9/3/2025	22:15:00	7.4	2.006	0	562,867	14.6	264
9/3/2025	22:30:00	7.3	2.657	0	562,882	14.7	265
9/3/2025	22:45:00	7.3	2.192	0	562,919	14.7	265
9/3/2025	23:00:00	7.3	2.154	0.2	562,954	14.6	266
9/3/2025	23:15:00	7.3	2.665	0.2	562,993	14.3	267
9/3/2025	23:45:00	7.3	2.733	0.4	563,039	14.2	268
9/4/2025	0:00:00	7.3	2.710	0.4	563,080	14.1	270
9/4/2025	0:15:00	7.3	2.691	0.6	563,117	14.1	270
9/4/2025	0:45:00	7.3	2.729	1.1	563,169	14	271
9/4/2025	1:00:00	7.3	2.195	0.5	563,208	14.3	268
9/4/2025	1:15:00	7.3	2.139	0.2	563,243	14.6	267
9/4/2025	1:30:00	7.3	2.740	0	563,283	14.5	269
9/4/2025	1:45:00	7.3	2.865	0	563,321	14.7	267
9/4/2025	2:00:00	7.3	2.861	0	563,359	14.8	264
9/4/2025	2:15:00	7.3	2.665	0	563,402	14.8	264
9/4/2025	2:30:00	7.4	2.267	0	563,420	15.3	266
9/4/2025	2:45:00	7.3	2.820	0.4	563,459	14.9	263
9/4/2025	3:00:00	7.3	2.282	0.8	563,490	14.8	264
9/4/2025	3:15:00	7.3	2.229	0.6	563,526	14.7	267
9/4/2025	3:30:00	7.3	2.805	0.9	563,567	14.7	267
9/4/2025	3:45:00	7.4	2.808	0.4	563,605	15.1	265
9/4/2025	4:15:00	7.3	2.839	1	563,666	14.8	266
9/4/2025	4:45:00	7.3	2.790	2.6	563,714	14.5	267
9/4/2025	5:00:00	7.3	2.744	2.7	563,756	14.3	267

Title WoodFibre Weekly Water Discharge Report

Revision:
0
Data Date Range September 01, 2025 to September 07, 2025

Prepared by:
SD
Approved by:
BC2
Date:
September 14, 2025

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
9/4/2025	5:15:00	7.3	2.782	3.7	563,767	14.5	270
9/4/2025	5:45:00	7.3	2.752	3	563,808	14.1	271
9/4/2025	6:00:00	7.3	2.729	1.6	563,849	13.8	270
9/4/2025	6:15:00	7.3	2.695	3.3	563,889	13.7	270
9/4/2025	6:30:00	7.3	2.684	2.2	563,930	13.7	269
9/4/2025	7:00:00	7.3	2.676	1.6	563,985	13.6	269
9/4/2025	7:15:00	7.3	2.619	1.7	564,024	13.4	269
9/4/2025	7:30:00	7.3	2.608	5.4	564,038	13.8	269
9/4/2025	7:45:00	7.3	2.650	1.2	564,072	13.4	269
9/4/2025	8:00:00	7.3	2.695	1	564,108	13.3	269
9/4/2025	8:30:00	7.3	2.180	1.4	564,163	13.4	267
9/4/2025	8:45:00	7.3	2.680	0.5	564,199	13.4	268
9/4/2025	9:15:00	7.3	2.104	1.1	564,255	13.5	268
9/4/2025	9:30:00	7.3	2.691	0.6	564,295	13.4	266
9/4/2025	9:45:00	7.3	2.691	0.2	564,331	13.5	268
9/4/2025	10:00:00	7.3	2.702	0.2	564,366	13.6	268
9/4/2025	10:15:00	7.3	2.101	0.8	564,385	14.1	267
9/4/2025	10:45:00	7.3	2.691	0.1	564,435	13.9	267
9/4/2025	11:00:00	7.3	2.157	0.2	564,472	14	267
9/4/2025	11:15:00	7.3	2.112	0	564,507	14	267
9/4/2025	11:30:00	7.3	2.684	0	564,546	14	267
9/4/2025	11:45:00	7.3	2.668	0.1	564,582	14.1	267
9/4/2025	12:00:00	7.3	2.714	0.1	564,602	14.2	266
9/4/2025	12:15:00	7.3	2.150	0.7	564,642	14.1	266

Title WoodFibre Weekly Water Discharge Report

Revision:
0
Data Date Range
September 01, 2025 to September 07, 2025
Prepared by:
SD
Approved by:
BC2
Date:
September 14, 2025

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
9/4/2025	12:30:00	7.3	2.074	0	564,677	14.2	266
9/4/2025	12:45:00	7.3	2.687	0	564,694	14.4	266
9/4/2025	13:00:00	7.3	2.161	0.1	564,731	14.2	266
9/4/2025	13:15:00	7.3	2.093	0.2	564,765	14.2	266
9/4/2025	13:30:00	7.3	2.657	0	564,805	14.2	266
9/4/2025	13:45:00	7.3	2.687	0	564,823	14.3	266
9/4/2025	14:00:00	7.3	2.672	0	564,859	14.3	266
9/4/2025	14:15:00	7.3	2.154	0.4	564,898	14.4	266
9/4/2025	14:30:00	7.3	2.089	3.1	564,916	14.5	266
9/4/2025	14:45:00	7.1	2.657	0.4	564,953	14.3	266
9/4/2025	15:00:00	7.1	2.165	0.9	564,970	14.6	267
9/4/2025	15:15:00	7.1	2.104	1.8	565,004	14.5	268
9/4/2025	15:30:00	7.2	2.657	3.2	565,044	14.3	272
9/4/2025	16:00:00	7.1	2.676	2.5	565,098	14.3	278
9/4/2025	16:15:00	7.2	2.154	9.8	565,138	14.3	283
9/4/2025	16:30:00	7.2	2.120	6.6	565,155	14.8	290
9/4/2025	16:45:00	7.1	2.680	5.5	565,192	14.3	298
9/4/2025	17:15:00	7.4	2.226	14.6	565,238	14.2	331
9/4/2025	17:30:00	7.3	2.721	12.7	565,259	14.3	353
9/4/2025	17:45:00	7.1	2.650	13	565,293	14.1	361
9/4/2025	18:00:00	7	2.642	9.8	565,327	14.1	364
9/4/2025	18:45:00	7	2.896	19.4	565,410	14.1	352
9/4/2025	19:15:00	7.3	2.861	34.5	565,475	14	344
9/4/2025	20:00:00	7.1	2.892	10.3	565,511	14.1	339

Title WoodFibre Weekly Water Discharge Report

Revision:
0
Data Date Range
September 01, 2025 to September 07, 2025
Prepared by:
SD
Approved by:
BC2
Date:
September 14, 2025

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
9/4/2025	20:15:00	7.2	2.218	4.6	565,551	13.9	334
9/4/2025	20:30:00	7.3	1.726	3.4	565,586	13.8	330
9/4/2025	20:45:00	7.4	2.661	2.8	565,618	13.7	324
9/4/2025	21:15:00	7.5	2.150	2.7	565,664	13.8	316
9/4/2025	21:30:00	7.4	2.638	2.7	565,699	13.7	314
9/4/2025	21:45:00	7.4	2.631	2.9	565,734	13.7	313
9/4/2025	22:00:00	7.4	2.634	2.2	565,767	13.7	311
9/4/2025	22:15:00	7.3	2.108	6	565,805	13.8	313
9/4/2025	22:30:00	7.2	2.161	2.9	565,839	13.8	313
9/4/2025	22:45:00	7.2	2.650	2.2	565,875	13.7	314
9/4/2025	23:00:00	7.2	2.059	2.2	565,907	13.8	314
9/4/2025	23:15:00	7.3	2.627	2.2	565,947	13.7	311
9/4/2025	23:30:00	7.4	2.154	2.2	565,979	13.8	313
9/5/2025	0:00:00	7.4	2.820	1.1	566,031	13.7	308
9/5/2025	0:15:00	7.4	2.188	1.3	566,069	13.7	306
9/5/2025	0:30:00	7.4	2.786	1.4	566,106	13.6	304
9/5/2025	0:45:00	7.4	2.771	2	566,147	13.6	301
9/5/2025	1:00:00	7.4	2.248	1.9	566,166	13.7	301
9/5/2025	1:15:00	7.4	2.774	1.9	566,207	13.6	301
9/5/2025	1:30:00	7.4	2.426	2.2	566,246	13.6	299
9/5/2025	1:45:00	7.4	2.933	1.6	566,283	13.6	299
9/5/2025	2:00:00	7.5	2.971	1.5	566,305	13.6	300
9/5/2025	2:15:00	7.4	1.821	2.1	566,343	13.5	299
9/5/2025	2:30:00	7.3	2.759	2.4	566,356	13.5	300

Title WoodFibre Weekly Water Discharge Report

Revision:
0
Data Date Range
September 01, 2025 to September 07, 2025
Prepared by:
SD
Approved by:
BC2
Date:
September 14, 2025

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
9/5/2025	2:45:00	7.3	2.740	4	566,397	13.4	300
9/5/2025	3:15:00	7.5	2.752	4.2	566,449	13.5	330
9/5/2025	3:30:00	7.6	2.146	9.2	566,456	14.1	355
9/5/2025	3:45:00	7.3	2.759	3.3	566,491	13.4	384
9/5/2025	4:00:00	7.3	2.744	2	566,528	13.3	396
9/5/2025	4:15:00	7.4	1.419	5.4	566,555	13.4	387
9/5/2025	4:30:00	7.3	2.805	2.7	566,578	13.3	375
9/5/2025	4:45:00	7.3	2.793	4.2	566,620	13.4	368
9/5/2025	5:15:00	7.4	1.851	6.7	566,685	14	351
9/5/2025	5:30:00	7.4	2.271	8.9	566,724	14.3	345
9/5/2025	5:45:00	7.5	2.790	2.9	566,742	14.4	344
9/5/2025	6:00:00	7.5	2.786	3.2	566,780	14.5	342
9/5/2025	6:15:00	7.6	2.313	5	566,818	14.6	340
9/5/2025	6:30:00	7.5	2.256	7.6	566,858	14.7	336
9/5/2025	6:45:00	7.3	2.771	2	566,896	14.7	336
9/5/2025	7:00:00	7.6	2.808	9.7	566,914	15.6	339
9/5/2025	7:15:00	7.5	2.260	6.2	566,953	14.8	335
9/5/2025	7:30:00	7.5	2.362	9.7	566,992	14.7	335
9/5/2025	7:45:00	7.2	2.797	1	567,010	14.8	341
9/5/2025	8:00:00	7.5	2.782	2.2	567,047	14.4	338
9/5/2025	8:30:00	7.2	2.256	5.3	567,107	13.9	336
9/5/2025	8:45:00	7.4	2.782	3.9	567,145	13.7	334
9/5/2025	9:00:00	7.4	2.771	3.4	567,183	13.7	334
9/5/2025	9:30:00	7.4	2.438	7.7	567,242	13.7	326

Title WoodFibre Weekly Water Discharge Report

Revision:
0
Data Date Range
September 01, 2025 to September 07, 2025
Prepared by:
SD
Approved by:
BC2
Date:
September 14, 2025

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
9/5/2025	10:00:00	7.4	2.782	3.8	567,291	13.7	326
9/5/2025	10:30:00	7.4	2.419	10.9	567,349	13.8	324
9/5/2025	11:00:00	7.4	2.782	4.9	567,405	13.8	324
9/5/2025	11:30:00	7.3	2.256	8.2	567,460	13.8	321
9/5/2025	11:45:00	7.3	2.718	5.1	567,498	13.7	321
9/5/2025	12:15:00	7.1	2.256	7.1	567,551	13.9	318
9/5/2025	12:30:00	7	2.210	8.5	567,590	13.9	316
9/5/2025	12:45:00	7.1	2.718	4.2	567,628	13.9	313
9/5/2025	13:15:00	7.3	2.165	8.2	567,662	14.1	311
9/5/2025	13:30:00	7.3	2.248	14.9	567,701	14.1	309
9/5/2025	16:00:00	7.5	2.903	12.3	567,757	14.2	696
9/5/2025	16:15:00	7.5	2.843	21.7	567,800	14.2	665
9/5/2025	16:30:00	7.4	2.305	13	567,835	14.2	625
9/5/2025	16:45:00	7.5	2.824	5	567,855	14.5	595
9/5/2025	17:00:00	7	2.388	5.5	567,896	14.1	556
9/5/2025	17:15:00	7.3	2.180	4.5	567,932	14.1	529
9/5/2025	17:30:00	7.3	2.702	4.2	567,972	14	514
9/5/2025	18:00:00	7.4	2.706	2.8	568,025	14	494
9/5/2025	18:15:00	7.4	2.695	4.3	568,065	14	483
9/5/2025	18:30:00	7.2	2.210	6.4	568,101	14.1	474
9/5/2025	18:45:00	7.2	2.695	5	568,138	14	469
9/5/2025	19:00:00	7.1	2.256	7.4	568,177	14.1	464
9/5/2025	19:15:00	7.1	2.207	6.8	568,212	14.1	464
9/5/2025	19:30:00	7.1	2.691	7	568,252	14	460

Title WoodFibre Weekly Water Discharge Report

Revision:
0
Data Date Range September 01, 2025 to September 07, 2025

Prepared by:
SD
Approved by:
BC2
Date:
September 14, 2025

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
9/5/2025	19:45:00	7.2	2.691	7.7	568,288	14.1	458
9/5/2025	20:00:00	7.1	2.687	2	568,325	14.1	456
9/5/2025	20:15:00	7	2.672	3.2	568,365	14	451
9/5/2025	20:30:00	7	2.184	5.6	568,404	14.1	450
9/5/2025	20:45:00	7	2.653	4.7	568,441	14	446
9/5/2025	21:15:00	7	1.703	3	568,491	13.9	438
9/5/2025	21:30:00	7.1	2.680	8.8	568,529	13.9	433
9/5/2025	21:45:00	7.4	1.938	10.3	568,557	13.9	428
9/5/2025	22:00:00	6.9	3.270	2.8	568,598	14	430
9/5/2025	22:15:00	6.9	2.316	2.7	568,643	14.1	426
9/5/2025	22:30:00	7.2	1.654	2.3	568,680	14.1	421
9/5/2025	22:45:00	7.3	2.805	2.9	568,714	14	417
9/5/2025	23:00:00	7.2	2.782	2.7	568,752	14	416
9/5/2025	23:30:00	7.3	2.248	5.7	568,813	13.9	410
9/5/2025	23:45:00	7.4	2.763	5.4	568,851	13.9	400
9/6/2025	0:15:00	7.6	2.214	3.2	568,896	14.1	392
9/6/2025	0:30:00	7.6	2.260	5.1	568,910	14.2	392
9/6/2025	0:45:00	7.6	2.517	4.5	568,930	14	384
9/6/2025	1:00:00	7.7	2.597	5.7	568,962	14.1	381
9/6/2025	1:15:00	7.6	1.802	401	568,998	14.4	378
9/6/2025	1:30:00	7.7	2.301	17.6	569,035	14	361
9/6/2025	2:00:00	7.8	2.305	9.1	569,093	14.3	366
9/6/2025	2:15:00	7.6	2.203	4.8	569,130	14.3	366
9/6/2025	2:30:00	7.5	2.759	8.3	569,170	14.1	366

Title WoodFibre Weekly Water Discharge Report

Revision:
0
Data Date Range
September 01, 2025 to September 07, 2025
Prepared by:
SD
Approved by:
BC2
Date:
September 14, 2025

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
9/6/2025	3:00:00	7.8	2.801	8.2	569,221	14.2	369
9/6/2025	3:15:00	7.9	2.748	10.2	569,262	14.1	369
9/6/2025	3:45:00	7.3	2.759	4	569,324	14.1	365
9/6/2025	4:00:00	7.3	1.821	3.2	569,355	14.1	366
9/6/2025	4:15:00	7.3	2.763	7.1	569,390	14.1	366
9/6/2025	4:45:00	7.5	2.547	5.6	569,459	14.1	368
9/6/2025	5:15:00	7.3	2.226	6.1	569,512	14.1	368
9/6/2025	5:30:00	7.1	2.706	4.1	569,546	14.1	368
9/6/2025	5:45:00	7.2	2.710	3.7	569,586	14.1	366
9/6/2025	6:00:00	7.3	2.229	5.5	569,622	14.1	366
9/6/2025	6:15:00	7.5	2.721	4.7	569,662	14.1	366
9/6/2025	6:30:00	7.5	2.714	7.7	569,692	14.3	365
9/6/2025	6:45:00	7.5	2.702	2.6	569,729	14.3	365
9/6/2025	7:00:00	7.5	2.699	4.2	569,765	14.3	361
9/6/2025	7:30:00	7.5	2.684	2.5	569,827	14.2	360
9/6/2025	7:45:00	7.5	2.702	2.1	569,848	14.1	356
9/6/2025	8:00:00	7.4	2.297	49.3	569,880	14.2	355
9/6/2025	8:15:00	7.4	2.120	6.2	569,910	14.1	351
9/6/2025	8:30:00	7.4	2.695	5.4	569,949	14.1	351
9/6/2025	8:45:00	7.5	2.207	9.4	569,967	14.3	351
9/6/2025	9:00:00	7.4	2.718	4.7	570,004	14.2	351
9/6/2025	9:15:00	7.2	2.699	7	570,044	14.2	349
9/6/2025	9:45:00	7.1	2.718	8.9	570,079	14.3	344
9/6/2025	10:00:00	7.4	2.192	13.3	570,117	14.3	343

Title WoodFibre Weekly Water Discharge Report

Revision:
0
Data Date Range September 01, 2025 to September 07, 2025

Prepared by:
SD
Approved by:
BC2
Date:
September 14, 2025

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
9/6/2025	10:30:00	7.5	2.721	5.6	570,165	14.2	343
9/6/2025	10:45:00	7	2.199	11.1	570,200	14.2	341
9/6/2025	11:15:00	7.4	2.896	18.9	570,250	14.1	329
9/6/2025	11:45:00	7.1	2.721	10.9	570,294	14.2	332
9/6/2025	12:15:00	7.3	1.325	21.3	570,345	14.3	332
9/6/2025	12:45:00	7.3	2.169	14.4	570,373	14.7	334
9/6/2025	13:00:00	7	2.691	14.9	570,409	14.7	336
9/6/2025	13:15:00	7	2.744	13.9	570,436	14.8	336
9/6/2025	13:30:00	7.1	2.188	11.8	570,466	14.5	336
9/6/2025	13:45:00	7.4	2.657	6.6	570,494	14.5	337
9/6/2025	14:30:00	7.3	2.657	6.9	570,583	14.9	337
9/6/2025	14:45:00	7.4	2.078	6	570,617	15	337
9/6/2025	15:00:00	7.5	2.650	5.1	570,651	15	338
9/6/2025	15:30:00	7.2	2.154	4.7	570,700	15.2	340
9/6/2025	15:45:00	7	2.638	5.8	570,736	15.1	338
9/6/2025	16:15:00	7	1.287	11.4	570,787	14.9	338
9/6/2025	16:30:00	7	2.725	12.4	570,824	15	338
9/6/2025	16:45:00	6.9	2.123	16.2	570,847	15.1	338
9/6/2025	17:00:00	6.9	2.695	4.7	570,880	15	338
9/6/2025	17:15:00	6.9	2.680	9.7	570,920	14.9	338
9/6/2025	17:30:00	7	2.199	26.3	570,950	14.8	338
9/6/2025	17:45:00	7.2	2.668	13.9	570,977	14.8	337
9/6/2025	18:15:00	7.3	2.699	11.5	571,017	14.9	337
9/6/2025	18:30:00	7.3	2.680	10.3	571,057	14.8	336

Title WoodFibre Weekly Water Discharge Report

Revision:
0
Data Date Range
September 01, 2025 to September 07, 2025
Prepared by:
SD
Approved by:
BC2
Date:
September 14, 2025

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
9/6/2025	18:45:00	7.4	2.123	10.4	571,090	14.9	334
9/6/2025	19:00:00	7.4	2.695	7.9	571,128	14.8	335
9/6/2025	19:15:00	7.5	2.718	10.9	571,166	14.8	335
9/6/2025	19:30:00	7.3	2.865	5.4	571,197	14.7	333
9/6/2025	19:45:00	7.5	2.850	9	571,240	14.6	332
9/6/2025	20:00:00	7.5	3.002	5.3	571,258	14.4	330
9/6/2025	20:15:00	7	2.945	1.4	571,303	14.5	330
9/6/2025	20:30:00	7.3	2.388	5	571,344	14.6	329
9/6/2025	21:15:00	7.5	2.343	7.6	571,419	14.2	303
9/6/2025	21:30:00	7.2	2.820	2.6	571,436	14.5	299
9/6/2025	21:45:00	7	2.824	1.4	571,479	13.9	298
9/6/2025	22:00:00	7.4	2.873	5.8	571,515	14	296
9/6/2025	22:15:00	7.1	2.884	1	571,538	14	294
9/6/2025	22:30:00	7.1	2.638	4.7	571,578	14	296
9/6/2025	23:00:00	7.5	2.884	4.7	571,638	13.9	296
9/6/2025	23:15:00	7.5	2.347	8	571,678	14	296
9/6/2025	23:30:00	7.1	2.854	2	571,717	14.1	298
9/6/2025	23:45:00	7.2	2.880	0.6	571,740	14	298
9/7/2025	0:00:00	7.5	2.865	2.6	571,776	14.1	296
9/7/2025	0:15:00	7.5	2.816	0.5	571,819	13.9	294
9/7/2025	0:30:00	7.4	1.018	0.5	571,846	13.9	294
9/7/2025	0:45:00	7.5	2.763	0.9	571,877	14	294
9/7/2025	1:00:00	7.4	2.165	1	571,912	14	296
9/7/2025	1:15:00	7.5	2.210	4.3	571,953	13.9	293

Title WoodFibre Weekly Water Discharge Report

Revision:
0
Data Date Range
September 01, 2025 to September 07, 2025
Prepared by:
SD
Approved by:
BC2
Date:
September 14, 2025

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
9/7/2025	1:30:00	7.2	2.048	1.6	571,973	14.3	296
9/7/2025	1:45:00	7.5	2.733	0.9	572,015	13.9	296
9/7/2025	2:00:00	7.5	2.104	1	572,051	14.1	293
9/7/2025	2:15:00	7.5	2.729	0.5	572,091	13.9	293
9/7/2025	2:30:00	7.4	2.725	0.6	572,128	14	293
9/7/2025	2:45:00	7.5	2.714	0.6	572,164	14.3	291
9/7/2025	3:00:00	7.4	2.744	0.6	572,201	14	291
9/7/2025	3:30:00	7.5	2.714	0.6	572,224	14	291
9/7/2025	3:45:00	7.5	2.790	0.3	572,262	13.8	291
9/7/2025	4:00:00	7.5	2.233	2.2	572,303	13.9	289
9/7/2025	4:15:00	7.5	2.774	0.6	572,339	13.9	289
9/7/2025	4:30:00	7.6	2.725	0.6	572,380	13.9	289
9/7/2025	4:45:00	7.6	2.252	0.9	572,414	13.9	291
9/7/2025	5:00:00	7.7	2.710	1.5	572,454	13.8	291
9/7/2025	5:15:00	7.8	2.744	2.1	572,490	13.8	291
9/7/2025	5:30:00	7.8	2.718	2.5	572,527	13.9	291
9/7/2025	5:45:00	7.8	2.718	3	572,564	13.9	291
9/7/2025	6:00:00	7.7	2.093	9	572,579	14.3	294
9/7/2025	6:15:00	7.8	2.790	5.8	572,582	14	291
9/7/2025	6:30:00	7.9	1.215	3.7	572,604	14.2	291
9/7/2025	6:45:00	7.8	2.854	2.1	572,642	13.9	293
9/7/2025	7:00:00	7.7	2.854	1.4	572,681	13.9	291
9/7/2025	7:15:00	7.7	2.839	2.6	572,719	13.9	291
9/7/2025	7:30:00	7.7	2.839	1.6	572,758	13.8	291

Title WoodFibre Weekly Water Discharge Report

Revision:
0
Data Date Range September 01, 2025 to September 07, 2025

Prepared by:
SD
Approved by:
BC2
Date:
September 14, 2025

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
9/7/2025	7:45:00	7.7	0.439	1.4	572,797	13.8	288
9/7/2025	8:00:00	7.7	2.979	1.3	572,823	13.7	288
9/7/2025	8:15:00	7.6	2.691	0.4	572,867	13.7	288
9/7/2025	8:45:00	7	2.665	0.4	572,929	13.7	291
9/7/2025	9:15:00	7	2.680	1.2	572,978	14	294
9/7/2025	9:30:00	7	2.676	2.2	573,013	14	296
9/7/2025	9:45:00	7	2.074	5.3	573,046	14.1	298
9/7/2025	10:00:00	6.9	2.676	3.4	573,080	14.2	299
9/7/2025	10:15:00	7	1.366	2.9	573,103	14.3	299
9/7/2025	10:30:00	7.1	2.263	6.5	573,136	14.4	299
9/7/2025	10:45:00	7.1	2.131	10.4	573,171	14.4	298
9/7/2025	11:00:00	7.3	2.721	11.1	573,209	14.3	298
9/7/2025	11:30:00	7.3	2.721	18.6	573,250	14.4	296
9/7/2025	11:45:00	7.3	2.297	16.4	573,290	14.5	299
9/7/2025	12:00:00	7.3	2.888	15.9	573,311	14.5	303
9/7/2025	12:15:00	7.6	2.279	15.9	573,344	14.5	303
9/7/2025	12:30:00	7.7	2.718	10.2	573,378	14.5	302
9/7/2025	12:45:00	7.7	2.142	15	573,412	14.5	300
9/7/2025	13:00:00	7.6	2.721	13.4	573,444	14.3	298
9/7/2025	13:15:00	7.5	2.733	12.4	573,479	14.2	297
9/7/2025	13:30:00	7.4	2.737	17.8	573,514	14.2	297
9/7/2025	14:00:00	7.4	2.755	5.2	573,566	14.1	295
9/7/2025	14:15:00	7.4	2.752	8.7	573,607	14.1	293
9/7/2025	14:30:00	7.5	2.755	8.9	573,648	14.1	293

Title WoodFibre Weekly Water Discharge Report

Revision:
0
Data Date Range
September 01, 2025 to September 07, 2025
Prepared by:
SD
Approved by:
BC2
Date:
September 14, 2025

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
9/7/2025	14:45:00	7.7	2.941	9.8	573,692	14.1	293
9/7/2025	15:00:00	7.8	3.111	17.5	573,734	14	293
9/7/2025	15:15:00	7.9	1.260	16.6	573,768	13.9	295
9/7/2025	15:30:00	7.7	3.157	1.7	573,803	13.9	295
9/7/2025	15:45:00	7.4	3.126	4.8	573,848	13.8	295
9/7/2025	16:00:00	7.5	3.104	9.3	573,895	13.7	296
9/7/2025	16:15:00	7.7	3.062	6.5	573,941	13.7	297
9/7/2025	16:30:00	7.7	3.028	7.9	573,987	13.7	296
9/7/2025	16:45:00	7.8	3.002	13.5	574,032	13.8	297
9/7/2025	17:00:00	7.8	2.612	37.1	574,069	13.8	296
9/7/2025	17:30:00	7.7	3.002	10.9	574,135	13.6	294
9/7/2025	17:45:00	7.7	2.960	10	574,179	13.6	295
9/7/2025	18:00:00	7.7	2.930	11.5	574,223	13.6	294
9/7/2025	18:15:00	7.8	1.900	2.6	574,247	13.7	294
9/7/2025	18:30:00	7.8	2.960	2.4	574,283	13.6	294
9/7/2025	18:45:00	7.8	1.752	15.2	574,323	13.5	294
9/7/2025	19:00:00	7.8	2.922	1.8	574,361	13.5	296
9/7/2025	19:15:00	7.8	2.343	11.4	574,401	13.5	297
9/7/2025	19:30:00	7.8	2.896	2.5	574,442	13.4	296
9/7/2025	19:45:00	7.7	2.385	5.5	574,483	13.4	296
9/7/2025	20:00:00	7.7	2.933	1.2	574,524	13.3	293
9/7/2025	20:15:00	7.7	2.441	0.4	574,566	13.3	293
9/7/2025	20:30:00	7.6	2.911	0.6	574,608	13.2	293
9/7/2025	20:45:00	7.7	2.385	5.7	574,650	13.2	291

Title WoodFibre Weekly Water Discharge Report

Revision:
0
Data Date Range
September 01, 2025 to September 07, 2025
Prepared by:
SD
Approved by:
BC2
Date:
September 14, 2025

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
9/7/2025	21:00:00	7.7	2.930	3	574,691	13.2	291
9/7/2025	21:15:00	7.7	2.392	4.6	574,732	13.2	291
9/7/2025	21:45:00	7.7	2.453	5	574,795	13.2	291
9/7/2025	22:15:00	7.7	2.441	1.6	574,860	13.2	291
9/7/2025	22:30:00	7.7	2.922	1.7	574,902	13.1	291
9/7/2025	22:45:00	7.3	2.373	5.3	574,942	13.2	293
9/7/2025	23:00:00	7	2.914	1.3	574,983	13.2	296
9/7/2025	23:15:00	7	2.888	1.6	575,026	13.3	296
9/7/2025	23:30:00	7.5	2.843	4.3	575,069	13.3	296
9/7/2025	23:45:00	7.1	2.793	4.4	575,111	13.3	296

Table 3. In-Situ Parameters

Date	Temperature °C	DO mg/L	Conductivity SPC-uS/cm	SAL-ppt	pH	ORP (mV)	NTU
09/01/2025	15.6	9.52	129.9	0.07	7.66	124.4	6.11
09/02/2025	16.1	9.70	117.3	0.07	7.01	129.1	3.73
09/03/2025	15.2	10.01	115.9	0.07	7.12	131.5	2.49
09/04/2025	14.9	9.49	127.3	0.07	7.59	127.3	1.98
09/05/2025	15.1	9.98	129.1	0.07	7.41	118.4	4.12
09/06/2025	15.3	10.54	181.6	0.09	6.96	133.5	5.24
09/07/2025	16.1	10.12	149.2	0.07	7.21	131.4	2.98

		Eagle Mountain- Woodfibre Gas Pipeline Project- Tunnel Scope	
Title	WoodFibre Weekly Water Discharge Report	Revision:	0
Data Date Range	September 01, 2025 to September 07, 2025	Prepared by: Approved by: Date:	SD BC2 September 14, 2025

3. Calibration Log:

Table 4. Calibration Log

Date	Unit	pH	Conductivity/Temp.	Salinity	NTU
09/03/2025	YSI	✓	✓	✓	✓
09/03/2025	WTP	✓	N/A	N/A	✓

		Eagle Mountain- Woodfibre Gas Pipeline Project- Tunnel Scope	
Title	WoodFibre Weekly Water Discharge Report	Revision:	0
Data Date Range	September 01, 2025 to September 07, 2025	Prepared by: SD Approved by: BC2 Date: September 14, 2025	

APPENDIX A: WTP Log

Title	WoodFibre Weekly Water Discharge Report	Revision:	0
Data Date Range	September 01, 2025 to September 07, 2025	Prepared by: Approved by: Date:	SD BC2 September 14, 2025

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Valve Status	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
9/1/2025	0:00:00	7.3	2.112	1.3	554,431	Closed	14.7	271
9/1/2025	0:15:00	7.3	2.627	1.5	554,462	Open	14.7	272
9/1/2025	0:30:00	7.3	0.674	1.5	554,489	Closed	14.9	271
9/1/2025	0:45:00	7.3	2.116	1.3	554,511	Open	14.9	270
9/1/2025	1:00:00	7.2	2.661	0.7	554,551	Open	14.6	272
9/1/2025	1:15:00	7.2	2.657	0.6	554,586	Open	14.5	269
9/1/2025	1:30:00	7.2	2.627	0.7	554,621	Open	14.5	269
9/1/2025	1:45:00	7.3	2.025	0.5	554,658	Open	14.6	269
9/1/2025	2:00:00	7.3	2.093	0.7	554,693	Open	14.6	270
9/1/2025	2:15:00	7.2	2.627	0.5	554,730	Open	14.5	269
9/1/2025	2:30:00	7.3	2.650	3.5	554,743	Open	14.7	268
9/1/2025	2:45:00	7.3	2.619	1.7	554,778	Open	14.7	268
9/1/2025	3:00:00	7.3	1.877	24.3	554,814	Open	14.4	269
9/1/2025	3:15:00	7.3	1.760	2.8	554,839	Open	14.3	273
9/1/2025	3:30:00	7.3	2.608	0.9	554,865	Open	14.4	273
9/1/2025	3:45:00	7.3	2.017	1	554,901	Open	14.4	273
9/1/2025	4:00:00	7.3	0.405	1	554,934	Closed	14.4	273
9/1/2025	4:15:00	7.2	2.578	1	554,948	Open	14.4	273
9/1/2025	4:30:00	7.3	1.677	2.4	554,982	Open	14.4	274
9/1/2025	4:45:00	7.2	2.536	0.7	555,002	Open	14.3	271
9/1/2025	5:00:00	7.2	2.434	2.2	555,037	Open	14.1	272
9/1/2025	5:15:00	7.2	2.763	1.6	555,077	Open	14	271
9/1/2025	5:30:00	7.3	1.794	1.1	555,111	Open	14.1	271
9/1/2025	5:45:00	7.3	2.744	2	555,147	Open	14.1	272

Title WoodFibre Weekly Water Discharge Report

Revision:
0
Data Date Range September 01, 2025 to September 07, 2025

Prepared by:
SD
Approved by:
BC2
Date:
September 14, 2025

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Valve Status	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
9/1/2025	6:00:00	7.4	0.329	2	555,172	Closed	14.2	271
9/1/2025	6:15:00	7.2	2.055	1.5	555,184	Open	14.3	273
9/1/2025	6:30:00	7.3	0.413	1.9	555,209	Closed	14	271
9/1/2025	6:45:00	7.2	2.025	1.4	555,242	Open	14.1	271
9/1/2025	7:00:00	7.2	1.995	0.8	555,273	Open	14.1	271
9/1/2025	7:15:00	7.2	2.513	0.8	555,309	Open	14.1	271
9/1/2025	7:30:00	7.2	1.310	0.4	555,341	Open	14.1	271
9/1/2025	7:45:00	7.2	2.502	0.5	555,369	Open	14.1	270
9/1/2025	8:00:00	7.2	2.479	0.4	555,406	Open	14.1	271
9/1/2025	8:15:00	7.2	1.998	0.7	555,433	Closed	14.1	272
9/1/2025	8:30:00	7.2	2.676	0.5	555,439	Open	14.1	270
9/1/2025	8:45:00	7.2	2.108	1.1	555,478	Open	14.2	270
9/1/2025	9:00:00	7.2	2.161	1.2	555,511	Open	14.2	270
9/1/2025	9:15:00	7.2	2.710	4.3	555,526	Open	14.5	270
9/1/2025	9:30:00	7.2	2.123	1.2	555,562	Open	14.4	270
9/1/2025	9:45:00	7.2	2.691	1.8	555,598	Open	14.4	270
9/1/2025	10:00:00	7.3	2.676	2.3	555,638	Open	14.5	273
9/1/2025	10:15:00	7.3	2.165	2.9	555,672	Open	14.6	273
9/1/2025	10:30:00	7.3	2.699	2.2	555,682	Open	15	272
9/1/2025	10:45:00	7.3	2.108	3.2	555,721	Open	14.8	272
9/1/2025	11:00:00	7.3	0.530	1.7	555,754	Closed	14.9	272
9/1/2025	11:15:00	7.3	2.718	2.5	555,773	Open	14.9	272
9/1/2025	11:30:00	7.3	1.983	1.9	555,804	Closed	15	272
9/1/2025	11:45:00	7.3	2.695	2.2	555,819	Open	15	272
9/1/2025	12:00:00	7.3	2.684	3.3	555,859	Open	15.1	272

Title WoodFibre Weekly Water Discharge Report

Revision:
0
Data Date Range
September 01, 2025 to September 07, 2025
Prepared by:
SD
Approved by:
BC2
Date:
September 14, 2025

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Valve Status	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
9/1/2025	12:15:00	7.3	0.579	4.6	555,882	Closed	15.2	271
9/1/2025	12:30:00	7.3	2.721	2.5	555,901	Open	15.2	272
9/1/2025	12:45:00	7.3	2.131	3.9	555,940	Open	15.3	272
9/1/2025	13:00:00	7.3	2.676	3.7	555,973	Open	15.3	272
9/1/2025	13:15:00	7.3	2.623	2.7	556,003	Closed	15.2	272
9/1/2025	13:30:00	7.3	2.339	3.2	556,014	Open	15.3	272
9/1/2025	13:45:00	7.3	2.729	5.6	556,024	Open	15.6	272
9/1/2025	14:00:00	7.3	2.718	3.4	556,065	Open	15.5	272
9/1/2025	14:15:00	7.3	2.180	3.4	556,098	Open	15.6	272
9/1/2025	14:30:00	7.3	0.674	3.1	556,104	Closed	15.9	274
9/1/2025	14:45:00	7.3	2.108	11.4	556,136	Open	15.6	272
9/1/2025	15:00:00	7.3	0.575	1.8	556,157	Closed	15.6	271
9/1/2025	15:15:00	7.3	2.733	2.8	556,190	Open	15.5	272
9/1/2025	15:30:00	7.3	2.699	5.3	556,226	Open	15.5	272
9/1/2025	15:45:00	7.2	2.710	2.3	556,262	Open	15.4	272
9/1/2025	16:00:00	7.3	2.702	3.3	556,302	Open	15.4	274
9/1/2025	16:15:00	7.3	2.180	2.6	556,336	Open	15.6	274
9/1/2025	16:30:00	7.3	2.706	2	556,374	Open	15.6	274
9/1/2025	16:45:00	7.3	2.116	4.6	556,412	Open	15.6	274
9/1/2025	17:00:00	7.3	2.691	3.5	556,445	Open	15.7	274
9/1/2025	17:15:00	7.3	2.699	3	556,485	Open	15.6	274
9/1/2025	17:30:00	7.3	0.416	4.6	556,518	Closed	15.6	274
9/1/2025	17:45:00	7.3	2.721	1.9	556,534	Open	15.6	271
9/1/2025	18:00:00	7.3	0.409	4.3	556,574	Closed	15.6	274
9/1/2025	18:15:00	7.3	2.188	3.5	556,584	Open	15.7	272

Title WoodFibre Weekly Water Discharge Report

Revision:
0
Data Date Range
September 01, 2025 to September 07, 2025
Prepared by:
SD
Approved by:
BC2
Date:
September 14, 2025

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Valve Status	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
9/1/2025	18:30:00	7.3	2.691	3.2	556,622	Open	15.5	272
9/1/2025	18:45:00	7.3	2.112	3.8	556,660	Open	15.3	274
9/1/2025	19:00:00	7.3	0.341	1.6	556,686	Closed	15.3	269
9/1/2025	19:15:00	7.3	2.740	2.6	556,716	Open	15.2	274
9/1/2025	19:30:00	7.3	2.721	4.1	556,752	Open	15.2	274
9/1/2025	19:45:00	7.3	2.714	1.4	556,788	Open	15.1	274
9/1/2025	20:00:00	7.3	1.287	1.5	556,807	Open	14.8	274
9/1/2025	20:15:00	7.3	2.491	0.9	556,811	Closed	14.9	272
9/1/2025	20:30:00	7.3	2.619	1.8	556,838	Open	14.8	272
9/1/2025	20:45:00	7.3	2.070	2.2	556,871	Open	14.9	272
9/1/2025	21:00:00	7.3	0.753	2.4	556,882	Closed	15.2	272
9/1/2025	21:15:00	7.3	1.980	5.9	556,916	Open	15.1	272
9/1/2025	21:30:00	7.3	2.078	0.3	556,948	Open	15.3	271
9/1/2025	21:45:00	7.3	2.581	0.1	556,985	Open	15.3	270
9/1/2025	22:00:00	7.3	2.010	0.5	557,021	Open	15.6	270
9/1/2025	22:15:00	7.3	0.606	0.1	557,041	Closed	15.9	267
9/1/2025	22:30:00	7.3	2.604	0	557,074	Open	15.7	268
9/1/2025	22:45:00	7.3	2.089	0.7	557,108	Open	15.6	269
9/1/2025	23:00:00	7.3	0.477	0	557,138	Closed	15.4	268
9/1/2025	23:15:00	7.3	2.033	1.5	557,154	Open	15.5	268
9/1/2025	23:30:00	7.3	2.169	0	557,186	Open	15.6	270
9/1/2025	23:45:00	7.3	2.600	0.1	557,216	Open	15.5	272
9/2/2025	0:00:00	7.3	1.976	0.1	557,251	Open	15.6	269
9/2/2025	0:15:00	7.3	2.574	0	557,284	Open	15.5	269
9/2/2025	0:30:00	7.3	2.578	0.5	557,322	Open	15.2	269

Eagle Mountain- Woodfibre Gas Pipeline Project- Tunnel Scope

Title	WoodFibre Weekly Water Discharge Report	Revision:	0
Data Date Range	September 01, 2025 to September 07, 2025	Prepared by: Approved by: Date:	SD BC2 September 14, 2025

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Valve Status	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
9/2/2025	0:45:00	7.3	2.029	0.4	557,355	Open	15.2	269
9/2/2025	1:00:00	7.3	2.551	0.2	557,389	Open	15	269
9/2/2025	1:15:00	7.3	1.643	3	557,423	Open	14.7	271
9/2/2025	1:30:00	7.3	2.430	0.3	557,446	Open	14.8	269
9/2/2025	1:45:00	7.3	2.067	0.7	557,477	Open	14.8	268
9/2/2025	2:00:00	7.2	2.426	0.4	557,511	Open	14.6	270
9/2/2025	2:15:00	7.2	1.862	1	557,546	Open	14.6	270
9/2/2025	2:30:00	7.3	1.919	0.6	557,575	Open	14.6	272
9/2/2025	2:45:00	7.2	2.396	0.4	557,610	Open	14.5	272
9/2/2025	3:00:00	7.3	0.208	0.4	557,639	Closed	14.6	272
9/2/2025	3:15:00	7.2	2.396	0.4	557,655	Open	14.5	270
9/2/2025	3:30:00	7.3	2.400	0.6	557,691	Open	14.4	271
9/2/2025	3:45:00	7.3	1.927	0.7	557,722	Open	14.4	272
9/2/2025	4:00:00	7.2	2.297	0.6	557,741	Open	14.4	269
9/2/2025	4:15:00	7.3	2.468	4.2	557,783	Open	14.3	272
9/2/2025	4:30:00	7.3	2.521	2.8	557,821	Open	14.6	274
9/2/2025	4:45:00	7.3	3.039	2.2	557,824	Closed	14.9	269
9/2/2025	5:00:00	7.3	1.022	3.6	557,824	Closed	15.3	270
9/2/2025	5:15:00	7.3	3.054	2.3	557,826	Open	15.5	269
9/2/2025	5:30:00	7.3	2.702	0.7	557,868	Open	15.5	270
9/2/2025	5:45:00	7.3	1.987	1.2	557,901	Open	15.4	271
9/2/2025	6:00:00	7.3	2.706	0.9	557,938	Open	15.1	272
9/2/2025	6:15:00	7.3	2.275	2.8	557,954	Open	15.3	272
9/2/2025	6:30:00	7.3	2.237	1.7	557,981	Closed	15.1	271
9/2/2025	6:45:00	7.3	2.562	0.6	558,008	Open	15.2	268

Title WoodFibre Weekly Water Discharge Report

Revision:
0
Data Date Range
September 01, 2025 to September 07, 2025
Prepared by:
SD
Approved by:
BC2
Date:
September 14, 2025

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Valve Status	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
9/2/2025	7:00:00	7.3	2.051	1.1	558,043	Open	15.4	272
9/2/2025	7:15:00	7.3	2.585	4.3	558,077	Open	15.2	268
9/2/2025	7:30:00	7.3	2.566	5.1	558,115	Open	15	269
9/2/2025	7:45:00	7.4	2.040	29.9	558,131	Closed	15	267
9/2/2025	8:00:00	7.5	2.623	38.8	558,145	Open	14.8	269
9/2/2025	8:15:00	7.3	1.998	1.8	558,182	Open	14.5	267
9/2/2025	8:30:00	7.3	1.964	3.3	558,213	Open	14.4	267
9/2/2025	8:45:00	7.3	2.699	3.5	558,252	Open	14.3	267
9/2/2025	9:00:00	7.3	0.492	1.5	558,283	Closed	14.5	267
9/2/2025	9:15:00	7.3	2.725	0.8	558,308	Open	14.3	267
9/2/2025	9:30:00	7.3	2.695	1.1	558,349	Open	14.3	267
9/2/2025	9:45:00	7.3	2.699	0.8	558,384	Open	14.4	267
9/2/2025	10:00:00	7.3	2.702	1.2	558,425	Open	14.4	267
9/2/2025	10:15:00	7.3	0.454	7.5	558,462	Closed	14.6	267
9/2/2025	10:30:00	7.3	2.695	1.3	558,482	Open	14.5	268
9/2/2025	10:45:00	7.3	2.695	2	558,522	Open	14.5	268
9/2/2025	11:00:00	7.3	0.405	0.9	558,531	Closed	15	268
9/2/2025	11:15:00	7.3	2.646	2.3	558,567	Open	14.5	268
9/2/2025	11:30:00	7.3	2.127	1.4	558,580	Open	14.7	268
9/2/2025	11:45:00	7.3	2.680	1.3	558,614	Open	14.6	268
9/2/2025	12:00:00	7.3	0.326	0.9	558,642	Closed	14.8	268
9/2/2025	12:15:00	7.3	2.101	2.2	558,670	Open	14.8	268
9/2/2025	12:30:00	7.3	2.668	1.1	558,707	Open	14.7	268
9/2/2025	12:45:00	7.3	2.127	3.3	558,746	Open	14.8	269
9/2/2025	13:00:00	7.3	2.093	3.2	558,758	Open	15.1	267

Title WoodFibre Weekly Water Discharge Report

Revision:
0
Data Date Range
September 01, 2025 to September 07, 2025
Prepared by:
SD
Approved by:
BC2
Date:
September 14, 2025

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Valve Status	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
9/2/2025	13:15:00	7.3	2.691	1.6	558,799	Open	14.9	267
9/2/2025	13:30:00	7.3	2.086	3.5	558,835	Open	15.2	267
9/2/2025	13:45:00	7.3	2.619	6.6	558,844	Open	15.9	267
9/2/2025	14:00:00	7.3	2.706	1.7	558,885	Open	15.1	267
9/2/2025	14:15:00	7.3	2.059	1.2	558,919	Open	15.4	267
9/2/2025	14:30:00	7.3	2.718	2.5	558,933	Open	15.4	266
9/2/2025	14:45:00	7.3	2.271	4.2	558,973	Open	15.3	267
9/2/2025	15:00:00	7.3	2.025	2	559,005	Open	15.3	266
9/2/2025	15:15:00	7.3	2.706	1.4	559,044	Open	15	266
9/2/2025	15:30:00	7.3	2.082	3.3	559,081	Open	15.2	267
9/2/2025	15:45:00	7.3	2.672	1.6	559,117	Open	15.2	267
9/2/2025	16:00:00	7.3	2.668	1.9	559,157	Open	15.2	267
9/2/2025	16:15:00	7.3	0.284	1.7	559,173	Closed	16	267
9/2/2025	16:30:00	7.3	2.733	2	559,180	Open	15.2	269
9/2/2025	16:45:00	7.3	2.233	4.2	559,220	Open	15.4	269
9/2/2025	17:00:00	7.3	2.063	2.2	559,252	Open	15.6	269
9/2/2025	17:15:00	7.3	2.718	1.7	559,292	Open	15.3	269
9/2/2025	17:30:00	7.3	2.135	1.9	559,329	Open	15.6	269
9/2/2025	17:45:00	7.3	2.725	1.5	559,335	Open	15.8	269
9/2/2025	18:00:00	7.3	2.695	1.7	559,376	Open	15.3	267
9/2/2025	18:15:00	7.3	2.086	1.1	559,410	Open	15.4	267
9/2/2025	18:30:00	7.3	2.687	0.7	559,448	Open	15.1	267
9/2/2025	18:45:00	7.3	2.078	2.2	559,467	Open	15.2	267
9/2/2025	19:00:00	7.3	2.097	1.2	559,481	Open	15.4	269
9/2/2025	19:15:00	7.3	2.714	1	559,522	Open	15	269

Title	WoodFibre Weekly Water Discharge Report	Revision:	0
Data Date Range	September 01, 2025 to September 07, 2025	Prepared by: Approved by: Date:	SD BC2 September 14, 2025

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Valve Status	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
9/2/2025	19:30:00	7.3	2.150	0.6	559,558	Open	15.1	268
9/2/2025	19:45:00	7.3	0.621	0.6	559,574	Closed	15.4	267
9/2/2025	20:00:00	7.3	2.710	0.8	559,613	Open	14.7	265
9/2/2025	20:15:00	7.3	2.074	1.1	559,647	Open	14.9	266
9/2/2025	20:30:00	7.3	2.710	1.3	559,684	Open	14.7	266
9/2/2025	20:45:00	7.3	2.108	2.3	559,723	Open	14.8	265
9/2/2025	21:00:00	7.3	2.320	2.8	559,728	Open	14.6	265
9/2/2025	21:15:00	7.3	2.631	1	559,766	Open	14.6	265
9/2/2025	21:30:00	7.3	2.786	1.4	559,808	Open	14.5	265
9/2/2025	21:45:00	7.3	2.782	2	559,812	Closed	14.5	265
9/2/2025	22:00:00	7.3	0.696	1.5	559,812	Closed	15	265
9/2/2025	22:15:00	7.3	2.297	1.4	559,833	Open	14.8	267
9/2/2025	22:30:00	7.3	2.135	6	559,872	Open	14.6	265
9/2/2025	22:45:00	7.3	2.627	1.8	559,885	Open	15.2	267
9/2/2025	23:00:00	7.3	2.687	2.4	559,926	Open	14.6	268
9/2/2025	23:15:00	7.3	0.564	1.6	559,953	Closed	14.7	267
9/2/2025	23:30:00	7.3	2.706	1.7	559,976	Open	14.5	265
9/2/2025	23:45:00	7.3	2.192	3	560,015	Open	14.5	267
9/3/2025	0:00:00	7.3	2.676	2.1	560,048	Open	14.5	267
9/3/2025	0:15:00	7.3	2.661	2.3	560,088	Open	14.6	265
9/3/2025	0:30:00	7.3	0.469	5.1	560,114	Closed	14.8	267
9/3/2025	0:45:00	7.3	2.672	1.8	560,144	Open	14.6	267
9/3/2025	1:00:00	7.3	0.000	3.5	560,158	Open	14.5	267
9/3/2025	1:15:00	7.3	2.441	1.7	560,177	Open	14.7	263
9/3/2025	1:30:00	7.3	2.419	1.2	560,209	Open	14.6	265

Title	WoodFibre Weekly Water Discharge Report	Revision:	0
Data Date Range	September 01, 2025 to September 07, 2025	Prepared by: Approved by: Date:	SD BC2 September 14, 2025

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Valve Status	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
9/3/2025	1:45:00	7.3	2.415	1	560,236	Open	14.7	265
9/3/2025	2:00:00	7.3	2.547	3.8	560,275	Open	14.5	265
9/3/2025	2:15:00	7.3	2.381	7.2	560,317	Open	14.5	265
9/3/2025	2:30:00	7.3	3.043	3.7	560,358	Open	14.6	265
9/3/2025	2:45:00	7.3	3.028	5.5	560,404	Open	14.5	265
9/3/2025	3:00:00	7.3	3.051	6.3	560,424	Open	14.7	265
9/3/2025	3:15:00	7.3	1.964	6.3	560,462	Open	14.5	265
9/3/2025	3:30:00	7.3	2.544	3.5	560,497	Open	14.4	267
9/3/2025	3:45:00	7.3	2.547	2.6	560,530	Open	14.5	267
9/3/2025	4:00:00	7.3	0.379	2.4	560,544	Closed	14.8	263
9/3/2025	4:15:00	7.3	1.976	5.5	560,578	Open	14.5	263
9/3/2025	4:30:00	7.3	3.013	2.7	560,609	Open	14.3	265
9/3/2025	4:45:00	7.3	3.626	3.5	560,654	Open	14.2	263
9/3/2025	5:00:00	7.3	3.266	5.3	560,703	Open	14.1	263
9/3/2025	5:15:00	7.3	3.244	5.2	560,752	Open	14.1	264
9/3/2025	5:30:00	7.3	2.313	12.6	560,792	Open	14.1	263
9/3/2025	5:45:00	7.3	2.676	2.8	560,827	Open	14.1	263
9/3/2025	6:00:00	7.3	2.653	8.1	560,867	Open	14.1	267
9/3/2025	6:15:00	7.4	1.684	12.2	560,883	Closed	14.4	264
9/3/2025	6:30:00	7.3	2.767	1.8	560,905	Open	14.1	264
9/3/2025	6:45:00	7.3	2.313	4.1	560,944	Open	14	266
9/3/2025	7:00:00	7.3	2.142	1.2	560,980	Open	14	264
9/3/2025	7:15:00	7.3	2.702	1	561,019	Open	13.9	264
9/3/2025	7:30:00	7.3	2.184	0.8	561,055	Open	14	263
9/3/2025	7:45:00	7.3	2.680	0.5	561,091	Open	13.9	265

Title WoodFibre Weekly Water Discharge Report

Revision:
0
Data Date Range September 01, 2025 to September 07, 2025

Prepared by:
SD
Approved by:
BC2
Date:
September 14, 2025

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Valve Status	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
9/3/2025	8:00:00	7.3	2.521	0.6	561,121	Closed	13.9	265
9/3/2025	8:15:00	7.3	2.116	1.8	561,132	Open	14	263
9/3/2025	8:30:00	7.3	2.687	0.5	561,168	Open	13.9	263
9/3/2025	8:45:00	7.3	2.146	0.8	561,207	Open	13.9	263
9/3/2025	9:00:00	7.3	2.127	0.6	561,223	Open	14	260
9/3/2025	9:15:00	7.2	2.691	0.6	561,262	Open	13.9	262
9/3/2025	9:30:00	7.3	2.593	1.4	561,298	Open	14	260
9/3/2025	9:45:00	7.3	2.725	1.7	561,317	Open	14.3	262
9/3/2025	10:00:00	7.2	2.687	1	561,358	Open	14	260
9/3/2025	10:15:00	7.3	2.082	8.4	561,393	Open	14	258
9/3/2025	10:30:00	7.2	2.718	1.2	561,412	Open	14.1	258
9/3/2025	10:45:00	7.2	2.142	3.1	561,451	Open	14.1	258
9/3/2025	11:00:00	7.3	2.097	1.8	561,485	Open	14.2	257
9/3/2025	11:15:00	7.2	2.668	1	561,523	Open	14.1	259
9/3/2025	11:30:00	7.3	0.223	0.5	561,549	Closed	14.4	259
9/3/2025	11:45:00	7.2	2.699	0.4	561,571	Open	14.3	257
9/3/2025	12:00:00	7.3	2.665	0.3	561,611	Open	14.3	257
9/3/2025	12:15:00	7.3	0.503	0.1	561,621	Closed	14.4	257
9/3/2025	12:30:00	7.2	2.702	0.1	561,650	Open	14.4	257
9/3/2025	12:45:00	7.3	2.157	0.3	561,688	Open	14.5	257
9/3/2025	13:00:00	7.3	2.078	0.2	561,722	Open	14.5	257
9/3/2025	13:15:00	7.3	2.653	0.1	561,760	Open	14.4	257
9/3/2025	13:30:00	7.3	0.204	0.6	561,793	Closed	14.6	257
9/3/2025	13:45:00	7.3	2.699	0.3	561,813	Open	14.6	257
9/3/2025	14:00:00	7.3	2.672	0.2	561,853	Open	14.5	257

Title WoodFibre Weekly Water Discharge Report

Revision:
0
Data Date Range
September 01, 2025 to September 07, 2025
Prepared by:
SD
Approved by:
BC2
Date:
September 14, 2025

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Valve Status	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
9/3/2025	14:15:00	7.3	2.059	0.7	561,889	Open	14.5	256
9/3/2025	14:30:00	7.3	2.706	0.2	561,907	Open	14.6	257
9/3/2025	14:45:00	7.3	2.123	0.9	561,945	Open	14.6	256
9/3/2025	15:00:00	7.3	2.059	0.7	561,979	Open	14.7	256
9/3/2025	15:15:00	7.2	2.653	0.7	562,017	Open	14.6	256
9/3/2025	15:30:00	7.3	2.487	0.5	562,043	Closed	14.6	256
9/3/2025	15:45:00	7.3	2.665	0	562,064	Open	14.7	256
9/3/2025	16:00:00	7.3	2.650	0.1	562,104	Open	14.6	256
9/3/2025	16:15:00	7.3	2.055	1.2	562,138	Open	14.7	256
9/3/2025	16:30:00	7.3	2.665	1.9	562,174	Open	14.7	256
9/3/2025	16:45:00	7.3	2.074	1.2	562,211	Open	14.8	256
9/3/2025	17:00:00	7.3	2.014	1	562,245	Open	14.8	269
9/3/2025	17:15:00	7.3	2.615	0	562,260	Open	14.7	269
9/3/2025	17:30:00	7.3	2.612	0	562,295	Open	14.7	269
9/3/2025	17:45:00	7.3	2.631	0	562,330	Open	14.6	269
9/3/2025	18:00:00	7.3	2.623	0.7	562,369	Open	14.5	268
9/3/2025	18:15:00	7.3	2.036	1.1	562,403	Open	14.5	268
9/3/2025	18:30:00	7.3	2.608	0	562,438	Open	14.6	267
9/3/2025	18:45:00	7.3	2.214	0.2	562,448	Closed	14.7	266
9/3/2025	19:00:00	7.3	2.222	0.5	562,470	Open	14.7	266
9/3/2025	19:15:00	7.3	2.623	0.5	562,508	Open	14.5	266
9/3/2025	19:30:00	7.3	2.619	1.2	562,543	Open	14.6	266
9/3/2025	19:45:00	7.3	0.613	1.7	562,570	Closed	14.7	266
9/3/2025	20:00:00	7.3	2.631	2.6	562,596	Open	14.4	266
9/3/2025	20:15:00	7.3	2.014	4	562,630	Open	14.3	266

Title	WoodFibre Weekly Water Discharge Report	Revision:	0
Data Date Range	September 01, 2025 to September 07, 2025	Prepared by: Approved by: Date:	SD BC2 September 14, 2025

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Valve Status	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
9/3/2025	20:30:00	7.3	2.434	6.7	562,633	Closed	15	267
9/3/2025	20:45:00	7.3	2.142	2.1	562,670	Open	14.2	265
9/3/2025	21:00:00	7.3	2.036	0.7	562,704	Open	14.2	265
9/3/2025	21:15:00	7.3	2.623	0.6	562,742	Open	14.1	267
9/3/2025	21:30:00	7.3	2.631	0.4	562,777	Open	14.1	267
9/3/2025	21:45:00	7.3	2.653	0.4	562,812	Open	14.3	267
9/3/2025	22:00:00	7.3	0.840	3.7	562,836	Open	14.4	265
9/3/2025	22:15:00	7.4	2.006	0	562,867	Open	14.6	264
9/3/2025	22:30:00	7.3	2.657	0	562,882	Open	14.7	265
9/3/2025	22:45:00	7.3	2.192	0	562,919	Open	14.7	265
9/3/2025	23:00:00	7.3	2.154	0.2	562,954	Open	14.6	266
9/3/2025	23:15:00	7.3	2.665	0.2	562,993	Open	14.3	267
9/3/2025	23:30:00	7.3	0.333	0.3	563,013	Closed	14.5	267
9/3/2025	23:45:00	7.3	2.733	0.4	563,039	Open	14.2	268
9/4/2025	0:00:00	7.3	2.710	0.4	563,080	Open	14.1	270
9/4/2025	0:15:00	7.3	2.691	0.6	563,117	Open	14.1	270
9/4/2025	0:30:00	7.3	0.318	1.6	563,141	Closed	14.3	270
9/4/2025	0:45:00	7.3	2.729	1.1	563,169	Open	14	271
9/4/2025	1:00:00	7.3	2.195	0.5	563,208	Open	14.3	268
9/4/2025	1:15:00	7.3	2.139	0.2	563,243	Open	14.6	267
9/4/2025	1:30:00	7.3	2.740	0	563,283	Open	14.5	269
9/4/2025	1:45:00	7.3	2.865	0	563,321	Open	14.7	267
9/4/2025	2:00:00	7.3	2.861	0	563,359	Open	14.8	264
9/4/2025	2:15:00	7.3	2.665	0	563,402	Open	14.8	264
9/4/2025	2:30:00	7.4	2.267	0	563,420	Open	15.3	266

Title WoodFibre Weekly Water Discharge Report

Revision:
0
Data Date Range September 01, 2025 to September 07, 2025

Prepared by:
SD
Approved by:
BC2
Date:
September 14, 2025

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Valve Status	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
9/4/2025	2:45:00	7.3	2.820	0.4	563,459	Open	14.9	263
9/4/2025	3:00:00	7.3	2.282	0.8	563,490	Open	14.8	264
9/4/2025	3:15:00	7.3	2.229	0.6	563,526	Open	14.7	267
9/4/2025	3:30:00	7.3	2.805	0.9	563,567	Open	14.7	267
9/4/2025	3:45:00	7.4	2.808	0.4	563,605	Open	15.1	265
9/4/2025	4:00:00	7.4	0.238	0.7	563,632	Closed	15.3	264
9/4/2025	4:15:00	7.3	2.839	1	563,666	Open	14.8	266
9/4/2025	4:30:00	7.3	2.657	1.4	563,706	Closed	14.7	266
9/4/2025	4:45:00	7.3	2.790	2.6	563,714	Open	14.5	267
9/4/2025	5:00:00	7.3	2.744	2.7	563,756	Open	14.3	267
9/4/2025	5:15:00	7.3	2.782	3.7	563,767	Open	14.5	270
9/4/2025	5:30:00	7.3	0.572	1.8	563,799	Closed	14.1	270
9/4/2025	5:45:00	7.3	2.752	3	563,808	Open	14.1	271
9/4/2025	6:00:00	7.3	2.729	1.6	563,849	Open	13.8	270
9/4/2025	6:15:00	7.3	2.695	3.3	563,889	Open	13.7	270
9/4/2025	6:30:00	7.3	2.684	2.2	563,930	Open	13.7	269
9/4/2025	6:45:00	7.3	0.435	1.2	563,958	Closed	13.8	269
9/4/2025	7:00:00	7.3	2.676	1.6	563,985	Open	13.6	269
9/4/2025	7:15:00	7.3	2.619	1.7	564,024	Open	13.4	269
9/4/2025	7:30:00	7.3	2.608	5.4	564,038	Open	13.8	269
9/4/2025	7:45:00	7.3	2.650	1.2	564,072	Open	13.4	269
9/4/2025	8:00:00	7.3	2.695	1	564,108	Open	13.3	269
9/4/2025	8:15:00	7.3	0.447	0.8	564,130	Closed	13.5	268
9/4/2025	8:30:00	7.3	2.180	1.4	564,163	Open	13.4	267
9/4/2025	8:45:00	7.3	2.680	0.5	564,199	Open	13.4	268

Title	WoodFibre Weekly Water Discharge Report	Revision:	0
Data Date Range	September 01, 2025 to September 07, 2025	Prepared by: Approved by: Date:	SD BC2 September 14, 2025

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Valve Status	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
9/4/2025	9:00:00	7.3	0.333	1.2	564,229	Closed	13.5	268
9/4/2025	9:15:00	7.3	2.104	1.1	564,255	Open	13.5	268
9/4/2025	9:30:00	7.3	2.691	0.6	564,295	Open	13.4	266
9/4/2025	9:45:00	7.3	2.691	0.2	564,331	Open	13.5	268
9/4/2025	10:00:00	7.3	2.702	0.2	564,366	Open	13.6	268
9/4/2025	10:15:00	7.3	2.101	0.8	564,385	Open	14.1	267
9/4/2025	10:30:00	7.3	0.632	0.2	564,420	Closed	13.8	267
9/4/2025	10:45:00	7.3	2.691	0.1	564,435	Open	13.9	267
9/4/2025	11:00:00	7.3	2.157	0.2	564,472	Open	14	267
9/4/2025	11:15:00	7.3	2.112	0	564,507	Open	14	267
9/4/2025	11:30:00	7.3	2.684	0	564,546	Open	14	267
9/4/2025	11:45:00	7.3	2.668	0.1	564,582	Open	14.1	267
9/4/2025	12:00:00	7.3	2.714	0.1	564,602	Open	14.2	266
9/4/2025	12:15:00	7.3	2.150	0.7	564,642	Open	14.1	266
9/4/2025	12:30:00	7.3	2.074	0	564,677	Open	14.2	266
9/4/2025	12:45:00	7.3	2.687	0	564,694	Open	14.4	266
9/4/2025	13:00:00	7.3	2.161	0.1	564,731	Open	14.2	266
9/4/2025	13:15:00	7.3	2.093	0.2	564,765	Open	14.2	266
9/4/2025	13:30:00	7.3	2.657	0	564,805	Open	14.2	266
9/4/2025	13:45:00	7.3	2.687	0	564,823	Open	14.3	266
9/4/2025	14:00:00	7.3	2.672	0	564,859	Open	14.3	266
9/4/2025	14:15:00	7.3	2.154	0.4	564,898	Open	14.4	266
9/4/2025	14:30:00	7.3	2.089	3.1	564,916	Open	14.5	266
9/4/2025	14:45:00	7.1	2.657	0.4	564,953	Open	14.3	266
9/4/2025	15:00:00	7.1	2.165	0.9	564,970	Open	14.6	267

Title WoodFibre Weekly Water Discharge Report

Revision:
0
Data Date Range
September 01, 2025 to September 07, 2025
Prepared by:
SD
Approved by:
BC2
Date:
September 14, 2025

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Valve Status	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
9/4/2025	15:15:00	7.1	2.104	1.8	565,004	Open	14.5	268
9/4/2025	15:30:00	7.2	2.657	3.2	565,044	Open	14.3	272
9/4/2025	15:45:00	7.3	2.248	4.4	565,063	Closed	14.6	277
9/4/2025	16:00:00	7.1	2.676	2.5	565,098	Open	14.3	278
9/4/2025	16:15:00	7.2	2.154	9.8	565,138	Open	14.3	283
9/4/2025	16:30:00	7.2	2.120	6.6	565,155	Open	14.8	290
9/4/2025	16:45:00	7.1	2.680	5.5	565,192	Open	14.3	298
9/4/2025	17:00:00	7.5	1.942	27.4	565,218	Closed	14.3	312
9/4/2025	17:15:00	7.4	2.226	14.6	565,238	Open	14.2	331
9/4/2025	17:30:00	7.3	2.721	12.7	565,259	Open	14.3	353
9/4/2025	17:45:00	7.1	2.650	13	565,293	Open	14.1	361
9/4/2025	18:00:00	7	2.642	9.8	565,327	Open	14.1	364
9/4/2025	18:15:00	7.1	2.157	23.4	565,346	Closed	14.1	362
9/4/2025	18:30:00	7.1	2.373	18.6	565,379	Closed	14.1	360
9/4/2025	18:45:00	7	2.896	19.4	565,410	Open	14.1	352
9/4/2025	19:00:00	7.3	2.627	384.8	565,449	Closed	14.4	348
9/4/2025	19:15:00	7.3	2.861	34.5	565,475	Open	14	344
9/4/2025	19:30:00	7.1	0.954	24.8	565,492	Closed	13.9	346
9/4/2025	19:45:00	7	0.284	12.9	565,502	Closed	13.9	339
9/4/2025	20:00:00	7.1	2.892	10.3	565,511	Open	14.1	339
9/4/2025	20:15:00	7.2	2.218	4.6	565,551	Open	13.9	334
9/4/2025	20:30:00	7.3	1.726	3.4	565,586	Open	13.8	330
9/4/2025	20:45:00	7.4	2.661	2.8	565,618	Open	13.7	324
9/4/2025	21:00:00	7.5	0.333	1.4	565,643	Closed	13.9	319
9/4/2025	21:15:00	7.5	2.150	2.7	565,664	Open	13.8	316

Title	WoodFibre Weekly Water Discharge Report	Revision:	0
Data Date Range	September 01, 2025 to September 07, 2025	Prepared by: Approved by: Date:	SD BC2 September 14, 2025

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Valve Status	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
9/4/2025	21:30:00	7.4	2.638	2.7	565,699	Open	13.7	314
9/4/2025	21:45:00	7.4	2.631	2.9	565,734	Open	13.7	313
9/4/2025	22:00:00	7.4	2.634	2.2	565,767	Open	13.7	311
9/4/2025	22:15:00	7.3	2.108	6	565,805	Open	13.8	313
9/4/2025	22:30:00	7.2	2.161	2.9	565,839	Open	13.8	313
9/4/2025	22:45:00	7.2	2.650	2.2	565,875	Open	13.7	314
9/4/2025	23:00:00	7.2	2.059	2.2	565,907	Open	13.8	314
9/4/2025	23:15:00	7.3	2.627	2.2	565,947	Open	13.7	311
9/4/2025	23:30:00	7.4	2.154	2.2	565,979	Open	13.8	313
9/4/2025	23:45:00	7.5	2.540	1.9	565,995	Closed	14.2	309
9/5/2025	0:00:00	7.4	2.820	1.1	566,031	Open	13.7	308
9/5/2025	0:15:00	7.4	2.188	1.3	566,069	Open	13.7	306
9/5/2025	0:30:00	7.4	2.786	1.4	566,106	Open	13.6	304
9/5/2025	0:45:00	7.4	2.771	2	566,147	Open	13.6	301
9/5/2025	1:00:00	7.4	2.248	1.9	566,166	Open	13.7	301
9/5/2025	1:15:00	7.4	2.774	1.9	566,207	Open	13.6	301
9/5/2025	1:30:00	7.4	2.426	2.2	566,246	Open	13.6	299
9/5/2025	1:45:00	7.4	2.933	1.6	566,283	Open	13.6	299
9/5/2025	2:00:00	7.5	2.971	1.5	566,305	Open	13.6	300
9/5/2025	2:15:00	7.4	1.821	2.1	566,343	Open	13.5	299
9/5/2025	2:30:00	7.3	2.759	2.4	566,356	Open	13.5	300
9/5/2025	2:45:00	7.3	2.740	4	566,397	Open	13.4	300
9/5/2025	3:00:00	7.5	0.223	5.9	566,414	Closed	13.7	304
9/5/2025	3:15:00	7.5	2.752	4.2	566,449	Open	13.5	330
9/5/2025	3:30:00	7.6	2.146	9.2	566,456	Open	14.1	355

Title	WoodFibre Weekly Water Discharge Report	Revision:	0
Data Date Range	September 01, 2025 to September 07, 2025	Prepared by: Approved by: Date:	SD BC2 September 14, 2025

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Valve Status	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
9/5/2025	3:45:00	7.3	2.759	3.3	566,491	Open	13.4	384
9/5/2025	4:00:00	7.3	2.744	2	566,528	Open	13.3	396
9/5/2025	4:15:00	7.4	1.419	5.4	566,555	Open	13.4	387
9/5/2025	4:30:00	7.3	2.805	2.7	566,578	Open	13.3	375
9/5/2025	4:45:00	7.3	2.793	4.2	566,620	Open	13.4	368
9/5/2025	5:00:00	7.3	2.597	1.8	566,650	Closed	13.7	356
9/5/2025	5:15:00	7.4	1.851	6.7	566,685	Open	14	351
9/5/2025	5:30:00	7.4	2.271	8.9	566,724	Open	14.3	345
9/5/2025	5:45:00	7.5	2.790	2.9	566,742	Open	14.4	344
9/5/2025	6:00:00	7.5	2.786	3.2	566,780	Open	14.5	342
9/5/2025	6:15:00	7.6	2.313	5	566,818	Open	14.6	340
9/5/2025	6:30:00	7.5	2.256	7.6	566,858	Open	14.7	336
9/5/2025	6:45:00	7.3	2.771	2	566,896	Open	14.7	336
9/5/2025	7:00:00	7.6	2.808	9.7	566,914	Open	15.6	339
9/5/2025	7:15:00	7.5	2.260	6.2	566,953	Open	14.8	335
9/5/2025	7:30:00	7.5	2.362	9.7	566,992	Open	14.7	335
9/5/2025	7:45:00	7.2	2.797	1	567,010	Open	14.8	341
9/5/2025	8:00:00	7.5	2.782	2.2	567,047	Open	14.4	338
9/5/2025	8:15:00	7.5	0.000	4.6	567,084	Closed	14.2	336
9/5/2025	8:30:00	7.2	2.256	5.3	567,107	Open	13.9	336
9/5/2025	8:45:00	7.4	2.782	3.9	567,145	Open	13.7	334
9/5/2025	9:00:00	7.4	2.771	3.4	567,183	Open	13.7	334
9/5/2025	9:15:00	7.4	0.000	4.8	567,216	Closed	13.8	331
9/5/2025	9:30:00	7.4	2.438	7.7	567,242	Open	13.7	326
9/5/2025	9:45:00	7.4	0.000	2.9	567,269	Closed	13.8	326

Title	WoodFibre Weekly Water Discharge Report	Revision:	0
Data Date Range	September 01, 2025 to September 07, 2025	Prepared by: Approved by: Date:	SD BC2 September 14, 2025

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Valve Status	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
9/5/2025	10:00:00	7.4	2.782	3.8	567,291	Open	13.7	326
9/5/2025	10:15:00	7.4	0.000	6.4	567,325	Closed	13.8	324
9/5/2025	10:30:00	7.4	2.419	10.9	567,349	Open	13.8	324
9/5/2025	10:45:00	7.4	0.000	5.8	567,384	Closed	13.7	324
9/5/2025	11:00:00	7.4	2.782	4.9	567,405	Open	13.8	324
9/5/2025	11:15:00	7.3	0.000	4.6	567,441	Closed	13.8	323
9/5/2025	11:30:00	7.3	2.256	8.2	567,460	Open	13.8	321
9/5/2025	11:45:00	7.3	2.718	5.1	567,498	Open	13.7	321
9/5/2025	12:00:00	7.2	0.000	4.9	567,530	Closed	13.8	319
9/5/2025	12:15:00	7.1	2.256	7.1	567,551	Open	13.9	318
9/5/2025	12:30:00	7	2.210	8.5	567,590	Open	13.9	316
9/5/2025	12:45:00	7.1	2.718	4.2	567,628	Open	13.9	313
9/5/2025	13:00:00	7.2	2.619	5.7	567,631	Closed	14.1	311
9/5/2025	13:15:00	7.3	2.165	8.2	567,662	Open	14.1	311
9/5/2025	13:30:00	7.3	2.248	14.9	567,701	Open	14.1	309
9/5/2025	13:45:00	8.1	1.435	16.6	567,710	Closed	14.3	316
9/5/2025	14:00:00	9.6	2.733	135.7	567,711	Closed	14.3	380
9/5/2025	14:15:00	10.1	0.583	55.5	567,711	Closed	14.7	524
9/5/2025	14:30:00	9.7	2.222	59.3	567,711	Closed	14.7	672
9/5/2025	14:45:00	9.2	2.805	64.8	567,711	Closed	14.5	781
9/5/2025	15:00:00	9.3	2.381	116.5	567,711	Closed	14.6	824
9/5/2025	15:15:00	9.1	2.328	77.3	567,712	Closed	15	840
9/5/2025	15:30:00	7.5	2.854	42.8	567,712	Closed	14.3	793
9/5/2025	15:45:00	7.9	1.730	36.1	567,728	Closed	14.2	742
9/5/2025	16:00:00	7.5	2.903	12.3	567,757	Open	14.2	696

Title	WoodFibre Weekly Water Discharge Report	Revision:	0
Data Date Range	September 01, 2025 to September 07, 2025	Prepared by: Approved by: Date:	SD BC2 September 14, 2025

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Valve Status	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
9/5/2025	16:15:00	7.5	2.843	21.7	567,800	Open	14.2	665
9/5/2025	16:30:00	7.4	2.305	13	567,835	Open	14.2	625
9/5/2025	16:45:00	7.5	2.824	5	567,855	Open	14.5	595
9/5/2025	17:00:00	7	2.388	5.5	567,896	Open	14.1	556
9/5/2025	17:15:00	7.3	2.180	4.5	567,932	Open	14.1	529
9/5/2025	17:30:00	7.3	2.702	4.2	567,972	Open	14	514
9/5/2025	17:45:00	7.5	2.309	9.2	567,989	Closed	14.4	506
9/5/2025	18:00:00	7.4	2.706	2.8	568,025	Open	14	494
9/5/2025	18:15:00	7.4	2.695	4.3	568,065	Open	14	483
9/5/2025	18:30:00	7.2	2.210	6.4	568,101	Open	14.1	474
9/5/2025	18:45:00	7.2	2.695	5	568,138	Open	14	469
9/5/2025	19:00:00	7.1	2.256	7.4	568,177	Open	14.1	464
9/5/2025	19:15:00	7.1	2.207	6.8	568,212	Open	14.1	464
9/5/2025	19:30:00	7.1	2.691	7	568,252	Open	14	460
9/5/2025	19:45:00	7.2	2.691	7.7	568,288	Open	14.1	458
9/5/2025	20:00:00	7.1	2.687	2	568,325	Open	14.1	456
9/5/2025	20:15:00	7	2.672	3.2	568,365	Open	14	451
9/5/2025	20:30:00	7	2.184	5.6	568,404	Open	14.1	450
9/5/2025	20:45:00	7	2.653	4.7	568,441	Open	14	446
9/5/2025	21:00:00	7	0.000	5	568,478	Closed	14	441
9/5/2025	21:15:00	7	1.703	3	568,491	Open	13.9	438
9/5/2025	21:30:00	7.1	2.680	8.8	568,529	Open	13.9	433
9/5/2025	21:45:00	7.4	1.938	10.3	568,557	Open	13.9	428
9/5/2025	22:00:00	6.9	3.270	2.8	568,598	Open	14	430
9/5/2025	22:15:00	6.9	2.316	2.7	568,643	Open	14.1	426

Title	WoodFibre Weekly Water Discharge Report	Revision:	0
Data Date Range	September 01, 2025 to September 07, 2025	Prepared by: Approved by: Date:	SD BC2 September 14, 2025

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Valve Status	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
9/5/2025	22:30:00	7.2	1.654	2.3	568,680	Open	14.1	421
9/5/2025	22:45:00	7.3	2.805	2.9	568,714	Open	14	417
9/5/2025	23:00:00	7.2	2.782	2.7	568,752	Open	14	416
9/5/2025	23:15:00	7.2	0.208	3.3	568,777	Closed	14.1	414
9/5/2025	23:30:00	7.3	2.248	5.7	568,813	Open	13.9	410
9/5/2025	23:45:00	7.4	2.763	5.4	568,851	Open	13.9	400
9/6/2025	0:00:00	7.5	0.254	1.4	568,865	Closed	14.4	400
9/6/2025	0:15:00	7.6	2.214	3.2	568,896	Open	14.1	392
9/6/2025	0:30:00	7.6	2.260	5.1	568,910	Open	14.2	392
9/6/2025	0:45:00	7.6	2.517	4.5	568,930	Open	14	384
9/6/2025	1:00:00	7.7	2.597	5.7	568,962	Open	14.1	381
9/6/2025	1:15:00	7.6	1.802	401	568,998	Open	14.4	378
9/6/2025	1:30:00	7.7	2.301	17.6	569,035	Open	14	361
9/6/2025	1:45:00	7.8	0.148	8.4	569,072	Closed	14.1	361
9/6/2025	2:00:00	7.8	2.305	9.1	569,093	Open	14.3	366
9/6/2025	2:15:00	7.6	2.203	4.8	569,130	Open	14.3	366
9/6/2025	2:30:00	7.5	2.759	8.3	569,170	Open	14.1	366
9/6/2025	2:45:00	7.6	0.000	11.8	569,199	Closed	14.4	366
9/6/2025	3:00:00	7.8	2.801	8.2	569,221	Open	14.2	369
9/6/2025	3:15:00	7.9	2.748	10.2	569,262	Open	14.1	369
9/6/2025	3:30:00	6.9	1.681	19.9	569,291	Closed	14	366
9/6/2025	3:45:00	7.3	2.759	4	569,324	Open	14.1	365
9/6/2025	4:00:00	7.3	1.821	3.2	569,355	Open	14.1	366
9/6/2025	4:15:00	7.3	2.763	7.1	569,390	Open	14.1	366
9/6/2025	4:30:00	7.4	2.676	35.8	569,426	Closed	14.2	368

Title WoodFibre Weekly Water Discharge Report

Revision:
0
Data Date Range
September 01, 2025 to September 07, 2025
Prepared by:
SD
Approved by:
BC2
Date:
September 14, 2025

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Valve Status	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
9/6/2025	4:45:00	7.5	2.547	5.6	569,459	Open	14.1	368
9/6/2025	5:00:00	7.4	0.000	4.6	569,485	Closed	14.3	366
9/6/2025	5:15:00	7.3	2.226	6.1	569,512	Open	14.1	368
9/6/2025	5:30:00	7.1	2.706	4.1	569,546	Open	14.1	368
9/6/2025	5:45:00	7.2	2.710	3.7	569,586	Open	14.1	366
9/6/2025	6:00:00	7.3	2.229	5.5	569,622	Open	14.1	366
9/6/2025	6:15:00	7.5	2.721	4.7	569,662	Open	14.1	366
9/6/2025	6:30:00	7.5	2.714	7.7	569,692	Open	14.3	365
9/6/2025	6:45:00	7.5	2.702	2.6	569,729	Open	14.3	365
9/6/2025	7:00:00	7.5	2.699	4.2	569,765	Open	14.3	361
9/6/2025	7:15:00	7.6	1.938	7	569,801	Closed	14.1	360
9/6/2025	7:30:00	7.5	2.684	2.5	569,827	Open	14.2	360
9/6/2025	7:45:00	7.5	2.702	2.1	569,848	Open	14.1	356
9/6/2025	8:00:00	7.4	2.297	49.3	569,880	Open	14.2	355
9/6/2025	8:15:00	7.4	2.120	6.2	569,910	Open	14.1	351
9/6/2025	8:30:00	7.4	2.695	5.4	569,949	Open	14.1	351
9/6/2025	8:45:00	7.5	2.207	9.4	569,967	Open	14.3	351
9/6/2025	9:00:00	7.4	2.718	4.7	570,004	Open	14.2	351
9/6/2025	9:15:00	7.2	2.699	7	570,044	Open	14.2	349
9/6/2025	9:30:00	7.2	0.000	10.8	570,067	Closed	14.6	347
9/6/2025	9:45:00	7.1	2.718	8.9	570,079	Open	14.3	344
9/6/2025	10:00:00	7.4	2.192	13.3	570,117	Open	14.3	343
9/6/2025	10:15:00	7.4	0.216	3.3	570,132	Closed	14.5	343
9/6/2025	10:30:00	7.5	2.721	5.6	570,165	Open	14.2	343
9/6/2025	10:45:00	7	2.199	11.1	570,200	Open	14.2	341

Title WoodFibre Weekly Water Discharge Report

Revision:
0
Data Date Range
September 01, 2025 to September 07, 2025
Prepared by:
SD
Approved by:
BC2
Date:
September 14, 2025

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Valve Status	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
9/6/2025	11:00:00	7	2.604	24.6	570,214	Closed	14.3	332
9/6/2025	11:15:00	7.4	2.896	18.9	570,250	Open	14.1	329
9/6/2025	11:30:00	7	0.288	9.4	570,260	Closed	14.5	332
9/6/2025	11:45:00	7.1	2.721	10.9	570,294	Open	14.2	332
9/6/2025	12:00:00	7.1	1.484	24.7	570,329	Closed	14.3	331
9/6/2025	12:15:00	7.3	1.325	21.3	570,345	Open	14.3	332
9/6/2025	12:30:00	7.4	0.159	17.6	570,352	Closed	14.9	332
9/6/2025	12:45:00	7.3	2.169	14.4	570,373	Open	14.7	334
9/6/2025	13:00:00	7	2.691	14.9	570,409	Open	14.7	336
9/6/2025	13:15:00	7	2.744	13.9	570,436	Open	14.8	336
9/6/2025	13:30:00	7.1	2.188	11.8	570,466	Open	14.5	336
9/6/2025	13:45:00	7.4	2.657	6.6	570,494	Open	14.5	337
9/6/2025	14:00:00	7.4	1.942	27.5	570,532	Closed	14.7	337
9/6/2025	14:15:00	7.3	2.014	22.1	570,562	Closed	15	337
9/6/2025	14:30:00	7.3	2.657	6.9	570,583	Open	14.9	337
9/6/2025	14:45:00	7.4	2.078	6	570,617	Open	15	337
9/6/2025	15:00:00	7.5	2.650	5.1	570,651	Open	15	338
9/6/2025	15:15:00	7.5	0.000	5.6	570,683	Closed	15.1	338
9/6/2025	15:30:00	7.2	2.154	4.7	570,700	Open	15.2	340
9/6/2025	15:45:00	7	2.638	5.8	570,736	Open	15.1	338
9/6/2025	16:00:00	7	1.298	18.1	570,769	Closed	15	338
9/6/2025	16:15:00	7	1.287	11.4	570,787	Open	14.9	338
9/6/2025	16:30:00	7	2.725	12.4	570,824	Open	15	338
9/6/2025	16:45:00	6.9	2.123	16.2	570,847	Open	15.1	338
9/6/2025	17:00:00	6.9	2.695	4.7	570,880	Open	15	338

Title	WoodFibre Weekly Water Discharge Report	Revision:	0
Data Date Range	September 01, 2025 to September 07, 2025	Prepared by: Approved by: Date:	SD BC2 September 14, 2025

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Valve Status	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
9/6/2025	17:15:00	6.9	2.680	9.7	570,920	Open	14.9	338
9/6/2025	17:30:00	7	2.199	26.3	570,950	Open	14.8	338
9/6/2025	17:45:00	7.2	2.668	13.9	570,977	Open	14.8	337
9/6/2025	18:00:00	7.3	1.881	50.4	570,992	Closed	15.1	337
9/6/2025	18:15:00	7.3	2.699	11.5	571,017	Open	14.9	337
9/6/2025	18:30:00	7.3	2.680	10.3	571,057	Open	14.8	336
9/6/2025	18:45:00	7.4	2.123	10.4	571,090	Open	14.9	334
9/6/2025	19:00:00	7.4	2.695	7.9	571,128	Open	14.8	335
9/6/2025	19:15:00	7.5	2.718	10.9	571,166	Open	14.8	335
9/6/2025	19:30:00	7.3	2.865	5.4	571,197	Open	14.7	333
9/6/2025	19:45:00	7.5	2.850	9	571,240	Open	14.6	332
9/6/2025	20:00:00	7.5	3.002	5.3	571,258	Open	14.4	330
9/6/2025	20:15:00	7	2.945	1.4	571,303	Open	14.5	330
9/6/2025	20:30:00	7.3	2.388	5	571,344	Open	14.6	329
9/6/2025	20:45:00	7.6	2.805	233.9	571,367	Closed	14.6	116
9/6/2025	21:00:00	7.5	0.000	4.9	571,400	Closed	14.4	308
9/6/2025	21:15:00	7.5	2.343	7.6	571,419	Open	14.2	303
9/6/2025	21:30:00	7.2	2.820	2.6	571,436	Open	14.5	299
9/6/2025	21:45:00	7	2.824	1.4	571,479	Open	13.9	298
9/6/2025	22:00:00	7.4	2.873	5.8	571,515	Open	14	296
9/6/2025	22:15:00	7.1	2.884	1	571,538	Open	14	294
9/6/2025	22:30:00	7.1	2.638	4.7	571,578	Open	14	296
9/6/2025	22:45:00	7.4	0.000	0.7	571,610	Closed	13.9	298
9/6/2025	23:00:00	7.5	2.884	4.7	571,638	Open	13.9	296
9/6/2025	23:15:00	7.5	2.347	8	571,678	Open	14	296

Title WoodFibre Weekly Water Discharge Report

Revision:
0
Data Date Range
September 01, 2025 to September 07, 2025
Prepared by:
SD
Approved by:
BC2
Date:
September 14, 2025

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Valve Status	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
9/6/2025	23:30:00	7.1	2.854	2	571,717	Open	14.1	298
9/6/2025	23:45:00	7.2	2.880	0.6	571,740	Open	14	298
9/7/2025	0:00:00	7.5	2.865	2.6	571,776	Open	14.1	296
9/7/2025	0:15:00	7.5	2.816	0.5	571,819	Open	13.9	294
9/7/2025	0:30:00	7.4	1.018	0.5	571,846	Open	13.9	294
9/7/2025	0:45:00	7.5	2.763	0.9	571,877	Open	14	294
9/7/2025	1:00:00	7.4	2.165	1	571,912	Open	14	296
9/7/2025	1:15:00	7.5	2.210	4.3	571,953	Open	13.9	293
9/7/2025	1:30:00	7.2	2.048	1.6	571,973	Open	14.3	296
9/7/2025	1:45:00	7.5	2.733	0.9	572,015	Open	13.9	296
9/7/2025	2:00:00	7.5	2.104	1	572,051	Open	14.1	293
9/7/2025	2:15:00	7.5	2.729	0.5	572,091	Open	13.9	293
9/7/2025	2:30:00	7.4	2.725	0.6	572,128	Open	14	293
9/7/2025	2:45:00	7.5	2.714	0.6	572,164	Open	14.3	291
9/7/2025	3:00:00	7.4	2.744	0.6	572,201	Open	14	291
9/7/2025	3:15:00	7.4	2.604	0.5	572,224	Closed	13.9	293
9/7/2025	3:30:00	7.5	2.714	0.6	572,224	Open	14	291
9/7/2025	3:45:00	7.5	2.790	0.3	572,262	Open	13.8	291
9/7/2025	4:00:00	7.5	2.233	2.2	572,303	Open	13.9	289
9/7/2025	4:15:00	7.5	2.774	0.6	572,339	Open	13.9	289
9/7/2025	4:30:00	7.6	2.725	0.6	572,380	Open	13.9	289
9/7/2025	4:45:00	7.6	2.252	0.9	572,414	Open	13.9	291
9/7/2025	5:00:00	7.7	2.710	1.5	572,454	Open	13.8	291
9/7/2025	5:15:00	7.8	2.744	2.1	572,490	Open	13.8	291
9/7/2025	5:30:00	7.8	2.718	2.5	572,527	Open	13.9	291

Title	WoodFibre Weekly Water Discharge Report	Revision:	0
Data Date Range	September 01, 2025 to September 07, 2025	Prepared by: Approved by: Date:	SD BC2 September 14, 2025

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Valve Status	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
9/7/2025	5:45:00	7.8	2.718	3	572,564	Open	13.9	291
9/7/2025	6:00:00	7.7	2.093	9	572,579	Open	14.3	294
9/7/2025	6:15:00	7.8	2.790	5.8	572,582	Open	14	291
9/7/2025	6:30:00	7.9	1.215	3.7	572,604	Open	14.2	291
9/7/2025	6:45:00	7.8	2.854	2.1	572,642	Open	13.9	293
9/7/2025	7:00:00	7.7	2.854	1.4	572,681	Open	13.9	291
9/7/2025	7:15:00	7.7	2.839	2.6	572,719	Open	13.9	291
9/7/2025	7:30:00	7.7	2.839	1.6	572,758	Open	13.8	291
9/7/2025	7:45:00	7.7	0.439	1.4	572,797	Open	13.8	288
9/7/2025	8:00:00	7.7	2.979	1.3	572,823	Open	13.7	288
9/7/2025	8:15:00	7.6	2.691	0.4	572,867	Open	13.7	288
9/7/2025	8:30:00	7.1	1.957	0.7	572,894	Closed	13.7	288
9/7/2025	8:45:00	7	2.665	0.4	572,929	Open	13.7	291
9/7/2025	9:00:00	7	0.163	0.6	572,961	Closed	13.8	293
9/7/2025	9:15:00	7	2.680	1.2	572,978	Open	14	294
9/7/2025	9:30:00	7	2.676	2.2	573,013	Open	14	296
9/7/2025	9:45:00	7	2.074	5.3	573,046	Open	14.1	298
9/7/2025	10:00:00	6.9	2.676	3.4	573,080	Open	14.2	299
9/7/2025	10:15:00	7	1.366	2.9	573,103	Open	14.3	299
9/7/2025	10:30:00	7.1	2.263	6.5	573,136	Open	14.4	299
9/7/2025	10:45:00	7.1	2.131	10.4	573,171	Open	14.4	298
9/7/2025	11:00:00	7.3	2.721	11.1	573,209	Open	14.3	298
9/7/2025	11:15:00	7.5	2.006	27.4	573,221	Closed	14.3	296
9/7/2025	11:30:00	7.3	2.721	18.6	573,250	Open	14.4	296
9/7/2025	11:45:00	7.3	2.297	16.4	573,290	Open	14.5	299

Title WoodFibre Weekly Water Discharge Report

Revision:
0
Data Date Range
September 01, 2025 to September 07, 2025
Prepared by:
SD
Approved by:
BC2
Date:
September 14, 2025

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Valve Status	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
9/7/2025	12:00:00	7.3	2.888	15.9	573,311	Open	14.5	303
9/7/2025	12:15:00	7.6	2.279	15.9	573,344	Open	14.5	303
9/7/2025	12:30:00	7.7	2.718	10.2	573,378	Open	14.5	302
9/7/2025	12:45:00	7.7	2.142	15	573,412	Open	14.5	300
9/7/2025	13:00:00	7.6	2.721	13.4	573,444	Open	14.3	298
9/7/2025	13:15:00	7.5	2.733	12.4	573,479	Open	14.2	297
9/7/2025	13:30:00	7.4	2.737	17.8	573,514	Open	14.2	297
9/7/2025	13:45:00	7.4	2.721	33	573,543	Closed	14.1	296
9/7/2025	14:00:00	7.4	2.755	5.2	573,566	Open	14.1	295
9/7/2025	14:15:00	7.4	2.752	8.7	573,607	Open	14.1	293
9/7/2025	14:30:00	7.5	2.755	8.9	573,648	Open	14.1	293
9/7/2025	14:45:00	7.7	2.941	9.8	573,692	Open	14.1	293
9/7/2025	15:00:00	7.8	3.111	17.5	573,734	Open	14	293
9/7/2025	15:15:00	7.9	1.260	16.6	573,768	Open	13.9	295
9/7/2025	15:30:00	7.7	3.157	1.7	573,803	Open	13.9	295
9/7/2025	15:45:00	7.4	3.126	4.8	573,848	Open	13.8	295
9/7/2025	16:00:00	7.5	3.104	9.3	573,895	Open	13.7	296
9/7/2025	16:15:00	7.7	3.062	6.5	573,941	Open	13.7	297
9/7/2025	16:30:00	7.7	3.028	7.9	573,987	Open	13.7	296
9/7/2025	16:45:00	7.8	3.002	13.5	574,032	Open	13.8	297
9/7/2025	17:00:00	7.8	2.612	37.1	574,069	Open	13.8	296
9/7/2025	17:15:00	7.8	0.000	8.8	574,099	Closed	13.7	297
9/7/2025	17:30:00	7.7	3.002	10.9	574,135	Open	13.6	294
9/7/2025	17:45:00	7.7	2.960	10	574,179	Open	13.6	295
9/7/2025	18:00:00	7.7	2.930	11.5	574,223	Open	13.6	294

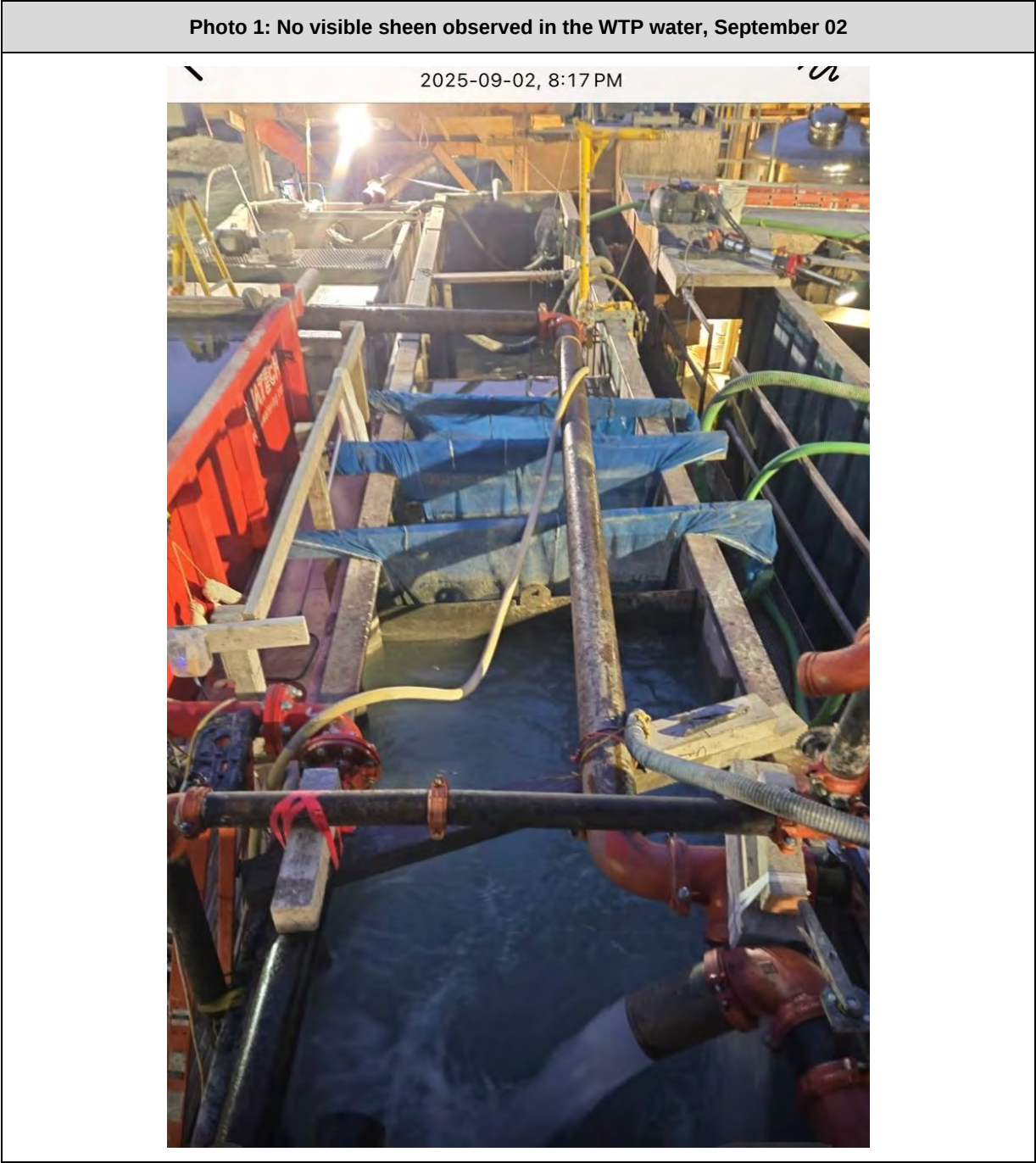
Title	WoodFibre Weekly Water Discharge Report	Revision:	0
Data Date Range	September 01, 2025 to September 07, 2025	Prepared by: Approved by: Date:	SD BC2 September 14, 2025

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Valve Status	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
9/7/2025	18:15:00	7.8	1.900	2.6	574,247	Open	13.7	294
9/7/2025	18:30:00	7.8	2.960	2.4	574,283	Open	13.6	294
9/7/2025	18:45:00	7.8	1.752	15.2	574,323	Open	13.5	294
9/7/2025	19:00:00	7.8	2.922	1.8	574,361	Open	13.5	296
9/7/2025	19:15:00	7.8	2.343	11.4	574,401	Open	13.5	297
9/7/2025	19:30:00	7.8	2.896	2.5	574,442	Open	13.4	296
9/7/2025	19:45:00	7.7	2.385	5.5	574,483	Open	13.4	296
9/7/2025	20:00:00	7.7	2.933	1.2	574,524	Open	13.3	293
9/7/2025	20:15:00	7.7	2.441	0.4	574,566	Open	13.3	293
9/7/2025	20:30:00	7.6	2.911	0.6	574,608	Open	13.2	293
9/7/2025	20:45:00	7.7	2.385	5.7	574,650	Open	13.2	291
9/7/2025	21:00:00	7.7	2.930	3	574,691	Open	13.2	291
9/7/2025	21:15:00	7.7	2.392	4.6	574,732	Open	13.2	291
9/7/2025	21:30:00	7.7	0.000	1.9	574,770	Closed	13.2	291
9/7/2025	21:45:00	7.7	2.453	5	574,795	Open	13.2	291
9/7/2025	22:00:00	7.7	0.000	1.5	574,828	Closed	13.2	291
9/7/2025	22:15:00	7.7	2.441	1.6	574,860	Open	13.2	291
9/7/2025	22:30:00	7.7	2.922	1.7	574,902	Open	13.1	291
9/7/2025	22:45:00	7.3	2.373	5.3	574,942	Open	13.2	293
9/7/2025	23:00:00	7	2.914	1.3	574,983	Open	13.2	296
9/7/2025	23:15:00	7	2.888	1.6	575,026	Open	13.3	296
9/7/2025	23:30:00	7.5	2.843	4.3	575,069	Open	13.3	296
9/7/2025	23:45:00	7.1	2.793	4.4	575,111	Open	13.3	296

		Eagle Mountain- Woodfibre Gas Pipeline Project- Tunnel Scope	
Title	WoodFibre Weekly Water Discharge Report	Revision:	0
Data Date Range	September 01, 2025 to September 07, 2025	Prepared by: SD Approved by: BC2 Date: September 14, 2025	

Appendix B: Photos

		Eagle Mountain- Woodfibre Gas Pipeline Project- Tunnel Scope	
Title	WoodFibre Weekly Water Discharge Report	Revision:	0
Data Date Range	September 01, 2025 to September 07, 2025	Prepared by: Approved by: Date:	SD BC2 September 14, 2025



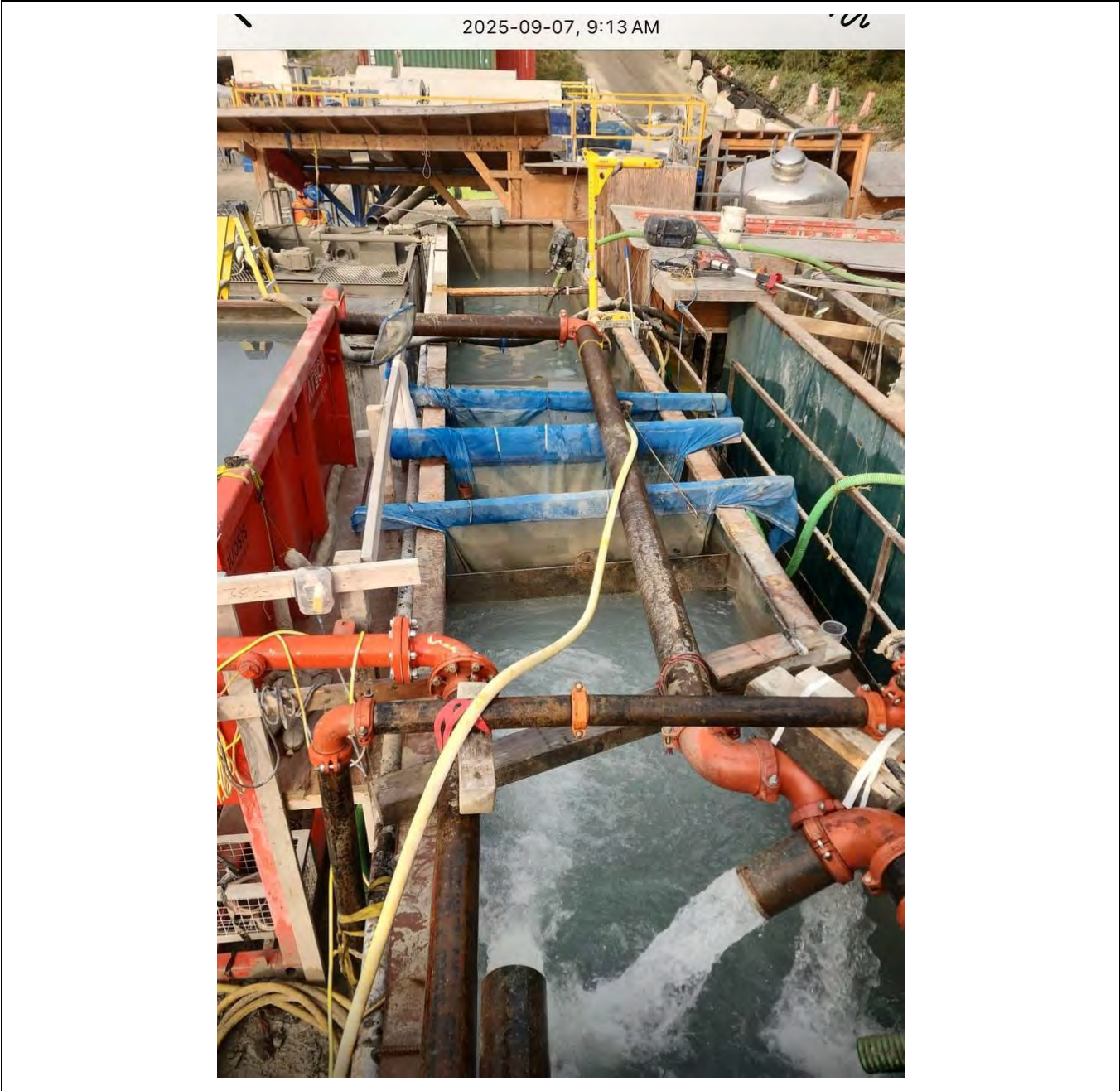
		Eagle Mountain- Woodfibre Gas Pipeline Project- Tunnel Scope	
Title	WoodFibre Weekly Water Discharge Report	Revision:	0
Data Date Range	September 01, 2025 to September 07, 2025	Prepared by: Approved by: Date:	SD BC2 September 14, 2025

Photo 2: No visible sheen observed in the WTP water, September 04



		Eagle Mountain- Woodfibre Gas Pipeline Project- Tunnel Scope	
Title	WoodFibre Weekly Water Discharge Report	Revision:	0
Data Date Range	September 01, 2025 to September 07, 2025	Prepared by: SD Approved by: BC2 Date: September 14, 2025	

Photo 3: No visible sheen observed in the WTP water, September 07



Water Quality Field Data Sheet



Hatfield

Project: FORTIS11234

Location Information

Site ID: WLNG EOP
Site Name: East Creek
Crew: WS
Weather: Cloudy, 17°C

Date: September 2, 2025
Time: 9:06

In Situ Parameters

pH: 6.53
Temp.: 13.1 (°C)
Turbidity: 1.5 NTU
Visible Sheen: NA
Water Surface Condition: Clear

DO: 2.01 (mg/L)
Cond: 192.4 (us)

Photo Record

Photo



Observations

 Eagle Mountain - Woodfibre Gas Pipeline Project Waste Discharge Permit PE-110163 Report	Reporting Week	Sept 1 st to Sept 7 th , 2025
	Report #	76
	Appendix D	D-1

Appendix D: Woodfibre Site Receiving Environment Documentation

 Eagle Mountain - Woodfibre Gas Pipeline Project Waste Discharge Permit PE-110163 Report	Reporting Week	Sept 1 st to Sept 7 th , 2025
	Report #	76
	Appendix D	D-2

Woodfibre Site Receiving Environment Sample Analysis

Analyte	Unit	BC Approved Water Quality Guideline - Freshwater Aquatic Life - Long Term Average	BC Approved Water Quality Guideline - Freshwater Aquatic Life - Short Term Max	BC Working Water Quality Guideline - Freshwater Aquatic Life - Long Term Average	BC Approved Water Quality Guideline - Marine Aquatic Life Long Term Average	BC Approved Water Quality Guideline - Marine Aquatic Life Short Term Max	BC Working Water Quality Guideline - Marine Aquatic Life Long Term Average	WLNG US 2025-09-02 09:25:00	WLNG DS 2025-09-02 08:45:00
In situ Parameters									
Field pH	pH Units	6.5 - 9			7 - 8.7			6.68	7.34
Field Temperature	°C	18	19					16.3	12.8
General Parameters									
pH	pH Units							6.85	7.64
Alkalinity (Total as CaCO ₃)	mg/L							9.2	46
Alkalinity (PP as CaCO ₃)	mg/L							<1	<1
Hardness (CaCO ₃)-Total	mg/L							10.6	60.6
Hardness (CaCO ₃)-Dissolved	mg/L							9.71	57
Sulphide-Total	mg/L							<0.0018	<0.0018
Sulphide (as H ₂ S)	mg/L			0.002				<0.002	<0.002
Anions and Nutrients									
Ammonia (N)-Total	mg/L	1.52	14		12	83		<0.015	<0.015
Bicarbonate (HCO ₃)	mg/L							11	56
Carbonate (CO ₃)	mg/L							<1	<1
Hydroxide (OH)	mg/L							<1	<1
Nitrate (N)	mg/L	3	32.8		3.7			<0.02	<0.02
Nitrite (N)	mg/L	0.02	0.06					<0.005	<0.005
Nitrate plus Nitrite (N)	mg/L							<0.02	<0.02
Nitrogen (N)-Total	mg/L							0.149	0.125
Phosphorus (P)-Total (4500-P)	mg/L							0.0094	0.0029
Bromide (Br)	mg/L							<0.01	<0.01
Chloride (Cl)	mg/L	150	600					<1	12
Fluoride (F)	mg/L		0.432			1.5		<0.05	0.23
Sulphate (SO ₄)-Dissolved	mg/L	128						2.2	10

¹ Guideline calculated using the in-situ measurements (pH (field), Temperature (field), Turbidity (field), Hardness (as CaCO₃) – total, Dissolved Organic Carbon (DOC), Total Alkalinity (CaCO₃), and Chloride).

² Guideline values presented represent the lower of the co-factor dependent guidelines for the upstream and downstream stations when they differ, but exceedance bolding is dependent on guidelines calculated using in situ co-factor considerations.

³ **Bold text** denotes value exceeding guidelines, except in cases where they are below a station-specific guideline that isn't displayed as per ¹ and ² above. Note: Not all exceedances are project related.

Analyte	Unit	BC Approved Water Quality Guideline - Freshwater Aquatic Life - Long Term Average	BC Approved Water Quality Guideline - Freshwater Aquatic Life - Short Term Max	BC Working Water Quality Guideline - Freshwater Aquatic Life - Long Term Average	BC Approved Water Quality Guideline - Marine Aquatic Life Long Term Average	BC Approved Water Quality Guideline - Marine Aquatic Life Short Term Max	BC Working Water Quality Guideline - Marine Aquatic Life Long Term Average	WLNG US 2025-09-02 09:25:00	WLNG DS 2025-09-02 08:45:00
Total Metals									
Aluminum (Al)-Total	mg/L	0.038607						0.0533	0.127
Antimony (Sb)-Total	mg/L	0.074	0.25					0.000025	0.000553
Arsenic (As)-Total	mg/L	0.005			0.0125			0.000133	0.00177
Barium (Ba)-Total	mg/L			1				0.00621	0.00652
Beryllium (Be)-Total	mg/L			0.00013			0.1	<0.00001	<0.00001
Bismuth (Bi)-Total	mg/L							<0.000005	<0.000005
Boron (B)-Total	mg/L	1.2			1.2			<0.01	0.014
Cadmium (Cd)-Total	mg/L						0.00012	0.0000056	0.0000083
Calcium (Ca)-Total	mg/L							3.6	22.3
Cesium (Cs)-Total	mg/L							<0.00005	<0.00005
Chromium (Cr)-Total	mg/L							<0.0001	<0.0001
Chromium (Cr III)-Total	mg/L			0.0089			0.056	<0.00099	<0.00099
Chromium (Cr VI)-Total	mg/L			0.0025			0.0015	<0.00099	<0.00099
Cobalt (Co)-Total	mg/L							0.0000253	0.0000613
Copper (Cu)-Total	mg/L				0.002	0.003		0.000713	0.00009
Iron (Fe)-Total	mg/L		1					0.0889	0.0355
Lead (Pb)-Total	mg/L				0.002	0.14		0.0000357	0.0000153
Lithium (Li)-Total	mg/L							<0.0005	0.00417
Magnesium (Mg)-Total	mg/L							0.403	1.22
Manganese (Mn)-Total	mg/L	0.652	0.657				0.1	0.0021	0.0451
Mercury (Hg)-Total	mg/L	0.00002			0.00002			<0.0000019	<0.0000019
Molybdenum (Mo)-Total	mg/L	7.6	46					0.000651	0.0281
Nickel (Ni)-Total	mg/L						0.0083	0.000276	0.000209
Phosphorus (P)-Total (ICPMS)	mg/L							0.0075	0.0052
Potassium (K)-Total	mg/L							0.231	2.04
Rubidium (Rb)-Total	mg/L							0.000585	0.00479
Selenium (Se)-Total	mg/L	0.002			0.002			<0.00004	<0.00004
Silicon (Si)-Total	mg/L							5.4	7.42
Silver (Ag)-Total	mg/L	0.00012			0.0005	0.0037	0.0005	<0.000005	<0.000005
Sodium (Na)-Total	mg/L							2.22	7.58
Strontium (Sr)-Total	mg/L							0.0188	0.051
Sulphur (S)-Total	mg/L							<3	4.3
Tellurium (Te)-Total	mg/L							<0.00002	<0.00002
Thallium (Tl)-Total	mg/L			0.00003				0.0000024	0.0000143
Thorium (Th)-Total	mg/L							<0.00005	<0.00005
Tin (Sn)-Total	mg/L							<0.0002	<0.0002
Titanium (Ti)-Total	mg/L							0.00058	0.00155
Uranium (U)-Total	mg/L		0.0165	0.0075				0.000064	0.000347
Vanadium (V)-Total	mg/L			0.06			0.005	0.00022	<0.0002
Zinc (Zn)-Total	mg/L				0.01	0.055		0.00062	0.00138
Zirconium (Zr)-Total	mg/L							<0.0001	<0.0001

¹ Guideline calculated using the in-situ measurements (pH (field),Temperature (field), Turbidity (field), Hardness (as CaCO₃) – total, Dissolved Organic Carbon (DOC), Total Alkalinity (CaCO₃), and Chloride).

² Guideline values presented represent the lower of the co-factor dependent guidelines for the upstream and downstream stations when they differ, but exceedance bolding is dependent on guidelines calculated using in situ co-factor considerations.

³ **Bold text** denotes value exceeding guidelines, except in cases where they are below a station-specific guideline that isn't displayed as per ¹ and ² above. Note: Not all exceedances are project related.

Analyte	Unit	BC Approved Water Quality Guideline - Freshwater Aquatic Life - Long Term Average	BC Approved Water Quality Guideline - Freshwater Aquatic Life - Short Term Max	BC Working Water Quality Guideline - Freshwater Aquatic Life - Long Term Average	BC Approved Water Quality Guideline - Marine Aquatic Life Long Term Average	BC Approved Water Quality Guideline - Marine Aquatic Life Short Term Max	BC Working Water Quality Guideline - Marine Aquatic Life Long Term Average	WLNG US 2025-09-02 09:25:00	WLNG DS 2025-09-02 08:45:00
Dissolved Metals									
Aluminum (Al)-Dissolved	mg/L							0.0327	0.0506
Antimony (Sb)-Dissolved	mg/L							0.000022	0.000512
Arsenic (As)-Dissolved	mg/L							0.00014	0.00167
Barium (Ba)-Dissolved	mg/L							0.00551	0.00561
Beryllium (Be)-Dissolved	mg/L							<0.00001	<0.00001
Bismuth (Bi)-Dissolved	mg/L							<0.000005	<0.000005
Boron (B)-Dissolved	mg/L							<0.01	0.014
Cadmium (Cd)-Dissolved	mg/L	0.000041	0.000058					0.0000052	0.0000079
Calcium (Ca)-Dissolved	mg/L							3.3	21.1
Cesium (Cs)-Dissolved	mg/L							<0.00005	<0.00005
Chromium (Cr)-Dissolved	mg/L							<0.0001	<0.0001
Cobalt (Co)-Dissolved	mg/L	0.000389						0.0000132	0.0000464
Copper (Cu)-Dissolved	mg/L	0.0002	0.0002					0.000644	<0.00005
Iron (Fe)-Dissolved	mg/L		0.35					0.0485	0.0017
Lead (Pb)-Dissolved	mg/L	0.001491						0.0000191	<0.000005
Lithium (Li)-Dissolved	mg/L							<0.0005	0.00403
Manganese (Mn)-Dissolved	mg/L							0.000828	0.0361
Magnesium (Mg)-Dissolved	mg/L							0.359	1.06
Mercury (Hg)-Dissolved	mg/L							<0.0000019	<0.0000019
Molybdenum (Mo)-Dissolved	mg/L							0.000613	0.0268
Nickel (Ni)-Dissolved	mg/L	0.0007	0.0113					0.00024	0.000185
Phosphorus (P)-Dissolved	mg/L							0.0038	<0.002
Potassium (K)-Dissolved	mg/L							0.22	1.87
Rubidium (Rb)-Dissolved	mg/L							0.000571	0.00437
Selenium (Se)-Dissolved	mg/L							<0.00004	<0.00004
Silicon (Si)-Dissolved	mg/L							4.93	6.97
Silver (Ag)-Dissolved	mg/L							<0.000005	<0.000005
Sodium (Na)-Dissolved	mg/L							1.98	6.72
Strontium (Sr)-Dissolved	mg/L			1.25				0.0172	0.0479
Sulphur (S)-Dissolved	mg/L							<3	3.4
Tellurium (Te)-Dissolved	mg/L							<0.00002	<0.00002
Thallium (Tl)-Dissolved	mg/L							0.0000039	0.0000152
Thorium (Th)-Dissolved	mg/L							0.0000102	<0.000005
Tin (Sn)-Dissolved	mg/L							<0.0002	<0.0002
Titanium (Ti)-Dissolved	mg/L							<0.0005	<0.0005
Uranium (U)-Dissolved	mg/L							0.0000563	0.000303
Vanadium (V)-Dissolved	mg/L							0.00021	<0.0002
Zinc (Zn)-Dissolved	mg/L	0.005286	0.009					0.00043	0.00085
Zirconium (Zr)-Dissolved	mg/L							<0.0001	<0.0001
Inorganics									
Organic Carbon (C)-Total	mg/L							1.8	0.66
Organic Carbon (C)-Dissolved	mg/L							2.1	0.65
Solids-Total Dissolved	mg/L							20	96
Solids-Total Suspended	mg/L	6.6	26.6					1.6	1.2

¹ Guideline calculated using the in-situ measurements (pH (field),Temperature (field), Turbidity (field), Hardness (as CaCO₃) – total, Dissolved Organic Carbon (DOC), Total Alkalinity (CaCO₃), and Chloride).

² Guideline values presented represent the lower of the co-factor dependent guidelines for the upstream and downstream stations when they differ, but exceedance bolding is dependent on guidelines calculated using in situ co-factor considerations.

³ **Bold text** denotes value exceeding guidelines, except in cases where they are below a station-specific guideline that isn't displayed as per ¹ and ² above. Note: Not all exceedances are project related.

 Eagle Mountain - Woodfibre Gas Pipeline Project Waste Discharge Permit PE-110163 Report	Reporting Week	Sept 1 st to Sept 7 th , 2025
	Report #	76
	Appendix D	D-3

Woodfibre Site Receiving Environment Field Notes and Logs

Woodfibre LNG (East Creek)							
Station	Date/Time	Temperature (C)	Specific Conductivity (µS/cm)	ORP (V)	pH (pH units)	Dissolved Oxygen (mg/L)	Turbidity (NTU)
EAS-DS	2025-09-01 00:00:00	13.292	155.047	0.012	7.789	9.937	0.000
EAS-DS	2025-09-01 01:00:00	13.018	152.687	0.008	7.781	10.137	0.210
EAS-DS	2025-09-01 02:00:00	12.902	152.677	0.009	7.772	10.166	3.212
EAS-DS	2025-09-01 03:00:00	13.019	156.613	0.030	7.795	10.126	0.879
EAS-DS	2025-09-01 04:00:00	12.953	155.289	0.010	7.765	10.163	0.000
EAS-DS	2025-09-01 05:00:00	12.926	155.611	0.007	7.774	10.169	0.741
EAS-DS	2025-09-01 06:00:00	12.979	158.154	0.004	7.799	10.124	0.602
EAS-DS	2025-09-01 07:00:00	12.884	156.473	0.007	7.774	10.167	0.000
EAS-DS	2025-09-01 08:00:00	12.834	152.249	0.009	7.755	10.202	2.876
EAS-DS	2025-09-01 09:00:00	12.859	153.382	0.010	7.760	10.189	0.000
EAS-DS	2025-09-01 10:00:00	13.169	155.583	0.007	7.793	10.132	0.816
EAS-DS	2025-09-01 11:00:00	13.472	156.804	0.004	7.827	10.038	0.407
EAS-DS	2025-09-01 12:00:00	13.729	158.301	0.003	7.833	10.025	4.529
EAS-DS	2025-09-01 13:00:00	13.899	156.801	0.004	7.839	9.948	2.666
EAS-DS	2025-09-01 14:00:00	14.136	159.761	0.004	7.843	9.934	5.221
EAS-DS	2025-09-01 15:00:00	14.143	157.893	0.009	7.861	9.862	1.611
EAS-DS	2025-09-01 16:00:00	14.042	158.016	0.003	7.833	9.933	2.352
EAS-DS	2025-09-01 17:00:00	14.116	157.639	0.003	7.848	9.864	1.605
EAS-DS	2025-09-01 18:00:00	14.008	158.230	0.002	7.824	9.930	3.812
EAS-DS	2025-09-01 19:00:00	13.701	157.040	0.002	7.829	9.974	1.950
EAS-DS	2025-09-01 20:00:00	13.582	156.779	0.003	7.865	9.960	0.890
EAS-DS	2025-09-01 21:00:00	13.364	155.724	0.007	7.832	9.966	0.394
EAS-DS	2025-09-01 22:00:00	13.248	155.163	0.005	7.814	10.115	0.105
EAS-DS	2025-09-01 23:00:00	13.156	154.625	0.005	7.799	10.150	0.402
EAS-DS	2025-09-02 00:00:00	13.103	153.518	0.006	7.807	10.145	0.915
EAS-DS	2025-09-02 01:00:00	13.003	154.222	0.004	7.787	10.186	0.000
EAS-DS	2025-09-02 02:00:00	12.989	155.238	0.006	7.788	10.179	1.488
EAS-DS	2025-09-02 03:00:00	12.952	155.225	0.007	7.789	10.148	0.000
EAS-DS	2025-09-02 04:00:00	12.947	154.250	0.028	7.812	10.082	0.000
EAS-DS	2025-09-02 05:00:00	13.077	156.097	0.031	7.746	9.807	0.000
EAS-DS	2025-09-02 06:00:00	12.972	156.366	0.004	7.789	10.221	1.932
EAS-DS	2025-09-02 07:00:00	12.966	156.069	0.005	7.788	10.185	0.549
EAS-DS	2025-09-02 08:00:00	13.063	152.107	0.007	7.750	9.946	1.242
EAS-DS	2025-09-02 09:00:00	12.891	154.043	0.004	7.798	10.238	5.936
EAS-DS	2025-09-02 10:00:00	13.118	154.005	0.003	7.788	10.210	3.434
EAS-DS	2025-09-02 11:00:00	13.323	155.170	0.007	7.811	9.986	0.000
EAS-DS	2025-09-02 12:00:00	13.387	155.270	0.005	7.830	10.133	0.000
EAS-DS	2025-09-02 13:00:00	13.546	153.543	0.008	7.832	9.924	0.000
EAS-DS	2025-09-02 14:00:00	13.798	155.877	0.004	7.824	10.024	3.970
EAS-DS	2025-09-02 15:00:00	13.806	156.144	0.002	7.832	9.978	3.176
EAS-DS	2025-09-02 16:00:00	13.903	157.951	0.001	7.822	9.958	2.182
EAS-DS	2025-09-02 17:00:00	13.985	160.589	0.000	7.821	9.926	1.224
EAS-DS	2025-09-02 18:00:00	13.954	160.205	0.001	7.809	9.947	2.817
EAS-DS	2025-09-02 19:00:00	13.786	159.920	0.003	7.798	9.692	0.603
EAS-DS	2025-09-02 20:00:00	13.338	157.562	0.000	7.794	10.065	1.458
EAS-DS	2025-09-02 21:00:00	13.483	156.360	0.005	7.817	9.810	0.024
EAS-DS	2025-09-02 22:00:00	13.552	156.417	0.004	7.715	9.594	0.000
EAS-DS	2025-09-02 23:00:00	13.529	160.446	0.002	7.796	10.040	1.577
EAS-DS	2025-09-03 00:00:00	13.408	159.246	0.003	7.799	10.054	1.351
EAS-DS	2025-09-03 01:00:00	13.527	161.875	0.005	7.799	9.889	0.000

Woodfibre LNG (East Creek)							
Station	Date/Time	Temperature (C)	Specific Conductivity (µS/cm)	ORP (V)	pH (pH units)	Dissolved Oxygen (mg/L)	Turbidity (NTU)
EAS-DS	2025-09-03 02:00:00	13.447	161.535	0.002	7.807	10.043	2.028
EAS-DS	2025-09-03 03:00:00	13.500	161.282	0.004	7.805	9.885	0.348
EAS-DS	2025-09-03 04:00:00	13.491	161.861	0.004	7.804	9.927	0.456
EAS-DS	2025-09-03 05:00:00	13.125	157.792	0.001	7.776	10.157	5.700
EAS-DS	2025-09-03 06:00:00	13.139	166.176	-0.005	7.807	10.174	5.766
EAS-DS	2025-09-03 07:00:00	12.989	162.660	0.001	7.795	10.196	1.681
EAS-DS	2025-09-03 08:00:00	12.819	155.717	0.002	7.780	10.246	1.970
EAS-DS	2025-09-03 09:00:00	12.867	153.142	0.006	7.771	10.082	1.465
EAS-DS	2025-09-03 10:00:00	12.788	152.618	0.005	7.762	10.295	2.033
EAS-DS	2025-09-03 11:00:00	12.842	151.378	0.005	7.761	10.273	2.357
EAS-DS	2025-09-03 12:00:00	13.062	154.062	0.004	7.778	10.224	3.815
EAS-DS	2025-09-03 13:00:00	13.141	154.843	0.004	7.786	10.187	0.649
EAS-DS	2025-09-03 14:00:00	13.166	152.579	0.011	7.778	10.183	1.559
EAS-DS	2025-09-03 15:00:00	13.141	150.594	0.006	7.782	10.175	1.951
EAS-DS	2025-09-03 16:00:00	13.159	152.548	0.008	7.783	10.165	3.482
EAS-DS	2025-09-03 17:00:00	13.121	154.523	0.005	7.791	10.152	11.083
EAS-DS	2025-09-03 18:00:00	12.910	148.998	0.010	7.772	10.214	8.134
EAS-DS	2025-09-03 19:00:00	13.115	151.354	0.010	7.783	10.125	10.997
EAS-DS	2025-09-03 20:00:00	12.887	150.165	0.010	7.767	10.189	7.178
EAS-DS	2025-09-03 21:00:00	12.740	151.320	0.007	7.774	10.237	15.452
EAS-DS	2025-09-03 22:00:00	12.674	153.374	0.002	7.783	10.216	10.478
EAS-DS	2025-09-03 23:00:00	12.662	154.858	0.049	7.778	10.244	8.451
EAS-DS	2025-09-04 00:00:00	12.749	158.266	0.010	7.788	10.247	5.438
EAS-DS	2025-09-04 01:00:00	12.618	150.670	0.037	7.748	10.257	3.943
EAS-DS	2025-09-04 02:00:00	12.602	146.921	0.024	7.777	10.279	5.350
EAS-DS	2025-09-04 03:00:00	12.591	156.971	0.010	7.794	10.194	1.480
EAS-DS	2025-09-04 04:00:00	12.443	155.551	0.008	7.781	10.305	4.377
EAS-DS	2025-09-04 05:00:00	12.526	155.106	0.009	7.693	10.290	9.376
EAS-DS	2025-09-04 06:00:00	12.383	155.440	0.007	7.738	10.305	3.002
EAS-DS	2025-09-04 07:00:00	12.391	157.579	0.006	7.776	10.300	2.789
EAS-DS	2025-09-04 08:00:00	12.188	150.094	0.006	7.754	10.366	4.473
EAS-DS	2025-09-04 09:00:00	12.236	143.287	0.037	7.761	10.388	7.515
EAS-DS	2025-09-04 10:00:00	12.323	149.990	0.016	7.764	10.349	3.352
EAS-DS	2025-09-04 11:00:00	12.488	150.599	0.025	7.780	10.305	4.004
EAS-DS	2025-09-04 12:00:00	12.663	150.537	0.018	7.797	10.132	0.480
EAS-DS	2025-09-04 13:00:00	12.710	148.021	0.042	7.800	10.231	2.623
EAS-DS	2025-09-04 14:00:00	12.826	150.764	0.006	7.804	10.211	4.116
EAS-DS	2025-09-04 15:00:00	13.010	158.741	0.018	7.765	9.991	0.000
EAS-DS	2025-09-04 16:00:00	13.002	191.378	0.024	7.703	10.110	7.494
EAS-DS	2025-09-04 17:00:00	12.969	269.956	0.013	7.848	10.091	7.855
EAS-DS	2025-09-04 18:00:00	12.792	252.205	0.011	7.510	10.165	17.907
EAS-DS	2025-09-04 19:00:00	14.217	205.414	-0.003	7.777	9.891	18.273
EAS-DS	2025-09-04 20:00:00	12.985	216.563	0.006	7.651	9.673	11.502
EAS-DS	2025-09-04 21:00:00	12.618	186.692	0.002	7.787	10.189	11.744
EAS-DS	2025-09-04 22:00:00	12.570	192.721	0.001	7.765	10.192	10.250
EAS-DS	2025-09-04 23:00:00	12.608	188.495	0.001	7.685	10.174	10.571
EAS-DS	2025-09-05 00:00:00	12.562	181.016	0.001	7.737	10.208	5.965

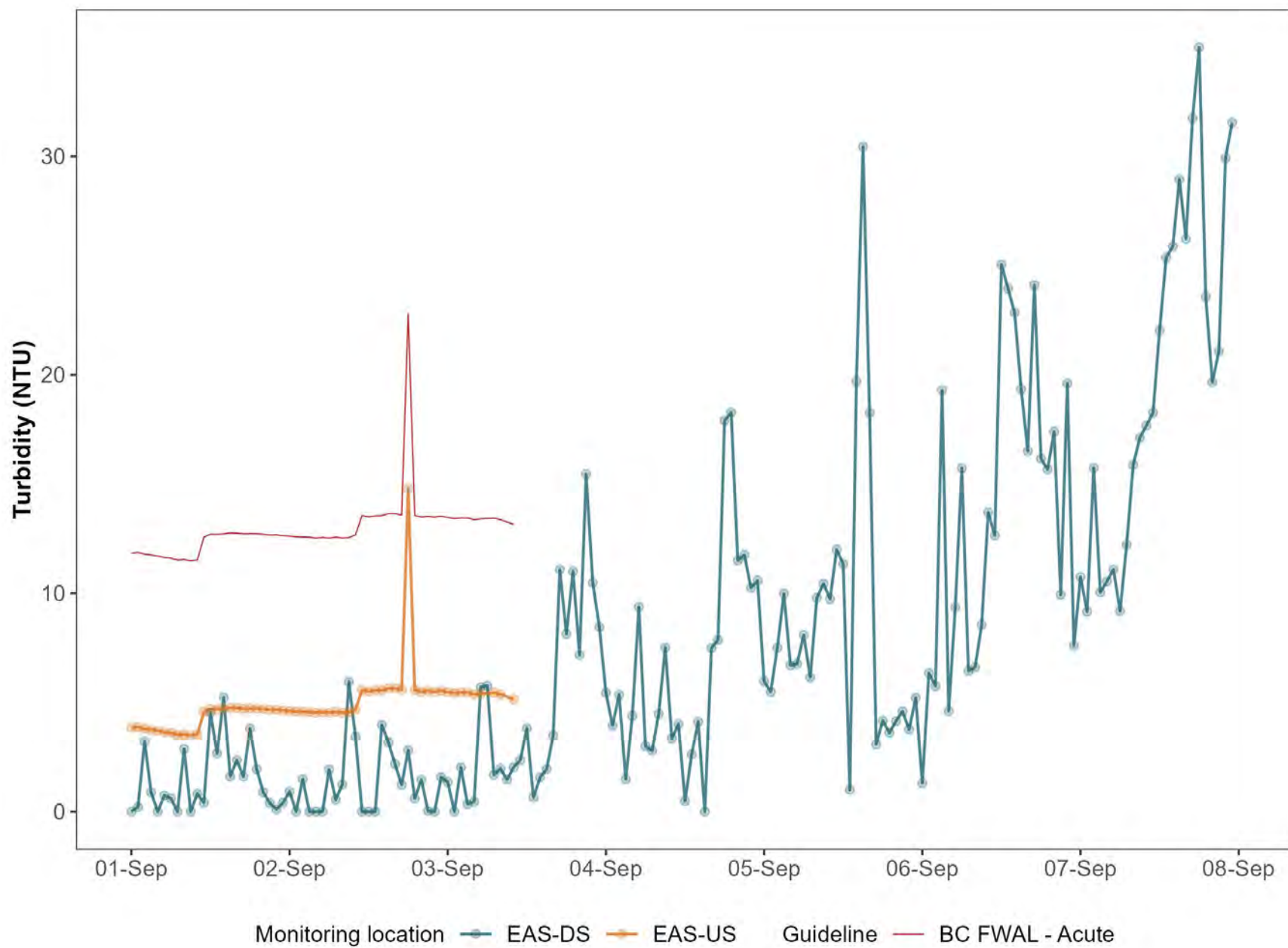
Woodfibre LNG (East Creek)							
Station	Date/Time	Temperature (C)	Specific Conductivity (µS/cm)	ORP (V)	pH (pH units)	Dissolved Oxygen (mg/L)	Turbidity (NTU)
EAS-DS	2025-09-05 01:00:00	12.574	181.388	0.003	7.728	9.824	5.486
EAS-DS	2025-09-05 02:00:00	12.548	184.420	0.002	7.731	9.820	7.500
EAS-DS	2025-09-05 03:00:00	12.457	212.870	0.000	7.840	10.081	9.977
EAS-DS	2025-09-05 04:00:00	12.343	306.428	-0.001	7.703	10.222	6.694
EAS-DS	2025-09-05 05:00:00	12.350	220.185	-0.004	7.758	10.175	6.765
EAS-DS	2025-09-05 06:00:00	12.330	212.762	-0.005	7.790	10.204	8.087
EAS-DS	2025-09-05 07:00:00	12.336	225.793	0.044	7.838	10.019	6.147
EAS-DS	2025-09-05 08:00:00	12.227	218.991	0.000	7.834	10.211	9.788
EAS-DS	2025-09-05 09:00:00	12.204	190.343	0.032	7.725	10.245	10.436
EAS-DS	2025-09-05 10:00:00	12.376	191.722	0.047	7.756	10.161	9.740
EAS-DS	2025-09-05 11:00:00	12.368	204.865	0.007	7.747	10.148	11.994
EAS-DS	2025-09-05 12:00:00	12.385	188.630	0.021	7.630	10.206	11.335
EAS-DS	2025-09-05 13:00:00	12.687	181.274	0.049	7.613	9.990	0.992
EAS-DS	2025-09-05 14:00:00	13.223	434.595	-0.016	9.569	10.011	19.694
EAS-DS	2025-09-05 15:00:00	13.665	922.687	-0.016	8.748	9.423	30.452
EAS-DS	2025-09-05 16:00:00	13.152	503.285	0.001	7.884	10.104	18.261
EAS-DS	2025-09-05 17:00:00	12.868	314.712	0.008	7.502	10.187	3.081
EAS-DS	2025-09-05 18:00:00	12.830	310.123	0.001	7.830	10.190	4.162
EAS-DS	2025-09-05 19:00:00	12.701	280.294	0.007	7.727	10.226	3.607
EAS-DS	2025-09-05 20:00:00	12.705	272.396	0.010	7.698	10.220	4.142
EAS-DS	2025-09-05 21:00:00	12.590	255.170	0.012	7.648	10.258	4.590
EAS-DS	2025-09-05 22:00:00	13.027	305.948	0.002	7.664	10.137	3.765
EAS-DS	2025-09-05 23:00:00	12.992	274.709	0.001	7.757	10.146	5.211
EAS-DS	2025-09-06 00:00:00	12.729	245.997	0.000	7.807	10.040	1.301
EAS-DS	2025-09-06 01:00:00	12.488	228.995	0.000	7.842	10.257	6.334
EAS-DS	2025-09-06 02:00:00	12.477	209.665	0.063	7.032	10.229	5.756
EAS-DS	2025-09-06 03:00:00	12.475	226.544	0.007	7.845	10.218	19.303
EAS-DS	2025-09-06 04:00:00	12.458	238.162	0.004	7.791	10.275	4.602
EAS-DS	2025-09-06 05:00:00	12.473	228.627	0.003	7.779	10.278	9.353
EAS-DS	2025-09-06 06:00:00	12.380	233.044	0.004	7.724	10.300	15.726
EAS-DS	2025-09-06 07:00:00	12.361	214.405	0.004	7.751	10.322	6.432
EAS-DS	2025-09-06 08:00:00	12.216	194.125	0.008	7.710	10.358	6.604
EAS-DS	2025-09-06 09:00:00	12.221	190.706	0.008	7.638	10.354	8.545
EAS-DS	2025-09-06 10:00:00	12.311	175.809	0.011	7.624	10.349	13.703
EAS-DS	2025-09-06 11:00:00	12.566	200.103	0.011	7.569	10.076	12.644
EAS-DS	2025-09-06 12:00:00	12.796	188.075	0.008	7.665	10.251	25.049
EAS-DS	2025-09-06 13:00:00	13.269	210.257	0.007	7.645	10.114	23.952
EAS-DS	2025-09-06 14:00:00	13.198	195.687	0.006	7.750	10.140	22.849
EAS-DS	2025-09-06 15:00:00	13.512	203.608	0.003	7.753	10.022	19.339
EAS-DS	2025-09-06 16:00:00	13.449	190.166	0.006	7.661	10.061	16.506
EAS-DS	2025-09-06 17:00:00	13.429	182.561	0.008	7.639	10.031	24.105
EAS-DS	2025-09-06 18:00:00	13.328	183.269	0.006	7.745	9.835	16.166
EAS-DS	2025-09-06 19:00:00	13.316	182.251	0.001	7.763	10.086	15.667
EAS-DS	2025-09-06 20:00:00	13.109	180.749	0.005	7.740	10.034	17.395
EAS-DS	2025-09-06 21:00:00	12.931	175.464	0.006	7.788	10.181	9.931
EAS-DS	2025-09-06 22:00:00	12.692	171.570	0.007	7.830	10.240	19.599
EAS-DS	2025-09-06 23:00:00	12.705	173.149	0.010	7.808	10.229	7.611
EAS-DS	2025-09-07 00:00:00	12.659	171.847	0.003	7.836	10.258	10.750
EAS-DS	2025-09-07 01:00:00	12.641	178.207	0.007	7.647	10.257	9.154
EAS-DS	2025-09-07 02:00:00	12.688	173.490	0.004	7.835	10.244	15.738

Woodfibre LNG (East Creek)							
Station	Date/Time	Temperature (C)	Specific Conductivity (µS/cm)	ORP (V)	pH (pH units)	Dissolved Oxygen (mg/L)	Turbidity (NTU)
EAS-DS	2025-09-07 03:00:00	12.640	171.792	0.008	7.780	10.262	10.034
EAS-DS	2025-09-07 04:00:00	12.681	172.634	0.008	7.837	10.285	10.540
EAS-DS	2025-09-07 05:00:00	12.727	175.902	0.002	7.872	10.258	11.080
EAS-DS	2025-09-07 06:00:00	12.822	177.887	0.001	7.881	10.038	9.179
EAS-DS	2025-09-07 07:00:00	12.786	173.269	0.003	7.900	10.266	12.219
EAS-DS	2025-09-07 08:00:00	12.626	168.323	0.049	7.885	10.255	15.872
EAS-DS	2025-09-07 09:00:00	12.596	175.352	0.037	7.660	10.328	17.115
EAS-DS	2025-09-07 10:00:00	13.069	184.856	0.010	7.649	10.216	17.671
EAS-DS	2025-09-07 11:00:00	13.171	180.054	0.005	7.718	10.196	18.263
EAS-DS	2025-09-07 12:00:00	13.551	195.959	0.004	7.785	9.793	22.031
EAS-DS	2025-09-07 13:00:00	13.180	183.115	0.002	7.853	10.149	25.367
EAS-DS	2025-09-07 14:00:00	13.103	174.564	0.005	7.779	10.151	25.873
EAS-DS	2025-09-07 15:00:00	12.796	177.308	0.002	7.928	10.282	28.943
EAS-DS	2025-09-07 16:00:00	12.562	180.502	0.003	7.863	10.341	26.216
EAS-DS	2025-09-07 17:00:00	12.578	181.715	0.000	7.946	10.307	31.746
EAS-DS	2025-09-07 18:00:00	12.372	178.185	0.026	7.930	10.386	34.984
EAS-DS	2025-09-07 19:00:00	12.344	180.219	0.002	7.946	10.386	23.574
EAS-DS	2025-09-07 20:00:00	12.114	176.047	0.002	7.918	10.460	19.665
EAS-DS	2025-09-07 21:00:00	12.035	175.299	0.004	7.919	10.479	21.071
EAS-DS	2025-09-07 22:00:00	12.009	175.842	0.035	7.918	10.466	29.923
EAS-DS	2025-09-07 23:00:00	12.093	181.088	0.004	7.846	10.453	31.550
EAS-US	2025-09-01 00:00:00	17.335	26.967	0.334		8.189	3.836
EAS-US	2025-09-01 01:00:00	17.260	26.769	0.336		8.213	3.868
EAS-US	2025-09-01 02:00:00	17.168	26.757	0.337		8.235	3.788
EAS-US	2025-09-01 03:00:00	17.114	26.591	0.337		8.250	3.749
EAS-US	2025-09-01 04:00:00	17.038	26.558	0.341		8.279	3.705
EAS-US	2025-09-01 05:00:00	16.940	26.282	0.340		8.305	3.632
EAS-US	2025-09-01 06:00:00	16.850	26.445	0.340		8.315	3.599
EAS-US	2025-09-01 07:00:00	16.759	26.271	0.340		8.362	3.516
EAS-US	2025-09-01 08:00:00	16.766	25.950	0.341		8.413	3.537
EAS-US	2025-09-01 09:00:00	16.821	25.981	0.339		8.519	3.489
EAS-US	2025-09-01 10:00:00	16.999	25.913	0.339		8.683	3.523
EAS-US	2025-09-01 11:00:00	17.714	25.729	0.333		8.835	4.563
EAS-US	2025-09-01 12:00:00	17.856	25.732	0.336		8.772	4.700
EAS-US	2025-09-01 13:00:00	17.838	25.875	0.335		8.654	4.698
EAS-US	2025-09-01 14:00:00	17.907	25.885	0.334		8.572	4.710
EAS-US	2025-09-01 15:00:00	17.982	25.660	0.336		8.454	4.756
EAS-US	2025-09-01 16:00:00	18.019	25.763	0.336		8.384	4.743
EAS-US	2025-09-01 17:00:00	17.908	26.341	0.341		8.258	4.714
EAS-US	2025-09-01 18:00:00	17.818	26.116	0.341		8.203	4.721
EAS-US	2025-09-01 19:00:00	17.718	26.651	0.341		8.163	4.716
EAS-US	2025-09-01 20:00:00	17.610	26.786	0.345		8.104	4.702
EAS-US	2025-09-01 21:00:00	17.496	26.896	0.345		8.126	4.659
EAS-US	2025-09-01 22:00:00	17.387	26.486	0.347		8.138	4.667
EAS-US	2025-09-01 23:00:00	17.289	26.494	0.347		8.185	4.626
EAS-US	2025-09-02 00:00:00	17.194	26.554	0.343		8.205	4.611
EAS-US	2025-09-02 01:00:00	17.088	26.404	0.344		8.247	4.583
EAS-US	2025-09-02 02:00:00	16.965	26.582	0.342		8.283	4.573
EAS-US	2025-09-02 03:00:00	16.859	26.183	0.343		8.308	4.560
EAS-US	2025-09-02 04:00:00	16.753	26.348	0.343		8.349	4.527

Woodfibre LNG (East Creek)							
Station	Date/Time	Temperature (C)	Specific Conductivity (µS/cm)	ORP (V)	pH (pH units)	Dissolved Oxygen (mg/L)	Turbidity (NTU)
EAS-US	2025-09-02 05:00:00	16.680	26.164	0.342		8.350	4.550
EAS-US	2025-09-02 06:00:00	16.580	26.027	0.344		8.396	4.525
EAS-US	2025-09-02 07:00:00	16.497	26.031	0.342		8.423	4.564
EAS-US	2025-09-02 08:00:00	16.507	26.076	0.340		8.465	4.528
EAS-US	2025-09-02 09:00:00	16.539	25.755	0.340		8.571	4.544
EAS-US	2025-09-02 10:00:00	16.634	26.115	0.339		8.702	4.668
EAS-US	2025-09-02 11:00:00	16.960	27.980	0.309		8.785	5.564
EAS-US	2025-09-02 12:00:00	17.145	28.088	0.331		8.796	5.498
EAS-US	2025-09-02 13:00:00	17.264	25.632	0.335		8.767	5.548
EAS-US	2025-09-02 14:00:00	17.419	28.061	0.348		8.703	5.553
EAS-US	2025-09-02 15:00:00	17.532	25.187	0.334		8.617	5.645
EAS-US	2025-09-02 16:00:00	17.601	28.279	0.339		8.525	5.648
EAS-US	2025-09-02 17:00:00	17.570	28.586	0.344		8.422	5.581
EAS-US	2025-09-02 18:00:00	17.533	28.723	0.343		8.308	14.792
EAS-US	2025-09-02 19:00:00	17.468	29.244	0.353		8.236	5.563
EAS-US	2025-09-02 20:00:00	17.390	29.477	0.347		8.189	5.492
EAS-US	2025-09-02 21:00:00	17.323	29.639	0.351		8.184	5.521
EAS-US	2025-09-02 22:00:00	17.251	26.895	0.344		8.217	5.491
EAS-US	2025-09-02 23:00:00	17.180	26.983	0.345		8.223	5.532
EAS-US	2025-09-03 00:00:00	17.109	29.371	0.358		8.249	5.474
EAS-US	2025-09-03 01:00:00	17.010	29.217	0.359		8.290	5.422
EAS-US	2025-09-03 02:00:00	16.918	29.095	0.356		8.320	5.451
EAS-US	2025-09-03 03:00:00	16.839	28.979	0.357		8.331	5.448
EAS-US	2025-09-03 04:00:00	16.729	28.851	0.349		8.367	5.374
EAS-US	2025-09-03 05:00:00	16.645	28.795	0.354		8.369	5.405
EAS-US	2025-09-03 06:00:00		28.705				
EAS-US	2025-09-03 07:00:00	16.439	28.638	0.354		8.413	5.439
EAS-US	2025-09-03 08:00:00	16.409	28.487	0.353		8.512	5.370
EAS-US	2025-09-03 09:00:00						
EAS-US	2025-09-03 10:00:00	16.577	28.558	0.314		8.707	5.146
EAS-US	2025-09-03 11:00:00	16.200		0.321			
EAS-US	2025-09-03 12:00:00	16.500		0.307			
EAS-US	2025-09-03 13:00:00	16.500		0.321			
EAS-US	2025-09-03 14:00:00	16.700		0.318			
EAS-US	2025-09-03 15:00:00	16.900		0.325			
EAS-US	2025-09-03 16:00:00	17.000		0.329			
EAS-US	2025-09-03 17:00:00	17.000		0.322			
EAS-US	2025-09-03 18:00:00	17.000		0.324			
EAS-US	2025-09-03 19:00:00	16.900		0.331			
EAS-US	2025-09-03 20:00:00	16.900		0.332			
EAS-US	2025-09-03 21:00:00	16.800		0.329			
EAS-US	2025-09-03 22:00:00	16.800		0.331			
EAS-US	2025-09-03 23:00:00	16.600		0.330			
EAS-US	2025-09-04 00:00:00	16.500		0.329			
EAS-US	2025-09-04 01:00:00	16.400		0.319			
EAS-US	2025-09-04 02:00:00	16.300		0.329			
EAS-US	2025-09-04 03:00:00	16.200		0.324			
EAS-US	2025-09-04 04:00:00	16.100		0.325			
EAS-US	2025-09-04 05:00:00	15.900		0.318			
EAS-US	2025-09-04 06:00:00	15.800		0.321			

Woodfibre LNG (East Creek)							
Station	Date/Time	Temperature (C)	Specific Conductivity (µS/cm)	ORP (V)	pH (pH units)	Dissolved Oxygen (mg/L)	Turbidity (NTU)
EAS-US	2025-09-04 07:00:00	15.700		0.318			
EAS-US	2025-09-04 08:00:00	15.600		0.315			
EAS-US	2025-09-04 09:00:00	15.600		0.323			
EAS-US	2025-09-04 10:00:00	15.700		0.325			
EAS-US	2025-09-04 11:00:00	16.200		0.318			
EAS-US	2025-09-04 12:00:00	16.400		0.313			
EAS-US	2025-09-04 13:00:00	16.500		0.315			
EAS-US	2025-09-04 14:00:00	16.700		0.317			
EAS-US	2025-09-04 15:00:00	16.800		0.309			
EAS-US	2025-09-04 16:00:00	16.900		0.312			
EAS-US	2025-09-04 17:00:00	16.900		0.320			
EAS-US	2025-09-04 18:00:00	16.800		0.318			
EAS-US	2025-09-04 19:00:00	16.700		0.318			
EAS-US	2025-09-04 20:00:00	16.600		0.313			
EAS-US	2025-09-04 21:00:00	16.500		0.317			
EAS-US	2025-09-04 22:00:00	16.400		0.317			
EAS-US	2025-09-04 23:00:00	16.300		0.319			
EAS-US	2025-09-05 00:00:00	16.200		0.317			
EAS-US	2025-09-05 01:00:00	16.100		0.291			
EAS-US	2025-09-05 02:00:00	16.000		0.300			
EAS-US	2025-09-05 03:00:00	15.900		0.313			
EAS-US	2025-09-05 04:00:00	15.900		0.312			
EAS-US	2025-09-05 05:00:00	15.800		0.307			
EAS-US	2025-09-05 06:00:00	15.700		0.300			
EAS-US	2025-09-05 07:00:00	15.600		0.306			
EAS-US	2025-09-05 08:00:00	15.500		0.312			
EAS-US	2025-09-05 09:00:00	15.500		0.314			
EAS-US	2025-09-05 10:00:00						
EAS-US	2025-09-05 11:00:00						
EAS-US	2025-09-05 12:00:00	17.100		0.283			
EAS-US	2025-09-05 13:00:00	16.200		0.302			
EAS-US	2025-09-05 14:00:00	16.400		0.309			
EAS-US	2025-09-05 15:00:00	16.600		0.315			
EAS-US	2025-09-05 16:00:00	16.700		0.320			
EAS-US	2025-09-05 17:00:00	16.600		0.324			
EAS-US	2025-09-05 18:00:00	16.600		0.328			
EAS-US	2025-09-05 19:00:00	16.500		0.331			
EAS-US	2025-09-05 20:00:00	16.500		0.331			
EAS-US	2025-09-05 21:00:00	16.400		0.330			
EAS-US	2025-09-05 22:00:00	16.400		0.330			
EAS-US	2025-09-05 23:00:00	16.300		0.331			
EAS-US	2025-09-06 00:00:00	16.200		0.330			
EAS-US	2025-09-06 01:00:00	16.200		0.333			
EAS-US	2025-09-06 02:00:00	16.100		0.330			
EAS-US	2025-09-06 03:00:00	16.000		0.334			
EAS-US	2025-09-06 04:00:00	15.900		0.332			
EAS-US	2025-09-06 05:00:00	15.800		0.332			
EAS-US	2025-09-06 06:00:00	15.700		0.331			
EAS-US	2025-09-06 07:00:00	15.700		0.313			

Woodfibre LNG (East Creek)							
Station	Date/Time	Temperature (C)	Specific Conductivity (µS/cm)	ORP (V)	pH (pH units)	Dissolved Oxygen (mg/L)	Turbidity (NTU)
EAS-US	2025-09-06 08:00:00	15.600		0.337			
EAS-US	2025-09-06 09:00:00	15.600		0.319			
EAS-US	2025-09-06 10:00:00	15.700		0.323			
EAS-US	2025-09-06 11:00:00	17.300		0.288			
EAS-US	2025-09-06 12:00:00	16.600		0.270			
EAS-US	2025-09-06 13:00:00	16.600		0.299			
EAS-US	2025-09-06 14:00:00	16.800		0.312			
EAS-US	2025-09-06 15:00:00	17.100		0.317			
EAS-US	2025-09-06 16:00:00	17.200		0.319			
EAS-US	2025-09-06 17:00:00	17.100		0.324			
EAS-US	2025-09-06 18:00:00	17.000		0.325			
EAS-US	2025-09-06 19:00:00	16.900		0.329			
EAS-US	2025-09-06 20:00:00	16.800		0.328			
EAS-US	2025-09-06 21:00:00	16.700		0.329			
EAS-US	2025-09-06 22:00:00	16.600		0.331			
EAS-US	2025-09-06 23:00:00	16.500		0.334			
EAS-US	2025-09-07 00:00:00	16.500		0.329			
EAS-US	2025-09-07 01:00:00	16.400		0.332			
EAS-US	2025-09-07 02:00:00	16.400		0.331			
EAS-US	2025-09-07 03:00:00	16.300		0.331			
EAS-US	2025-09-07 04:00:00	16.300		0.332			
EAS-US	2025-09-07 05:00:00	16.300		0.333			
EAS-US	2025-09-07 06:00:00	16.200		0.332			
EAS-US	2025-09-07 07:00:00	16.200		0.332			
EAS-US	2025-09-07 08:00:00	16.100		0.329			
EAS-US	2025-09-07 09:00:00	16.100		0.330			
EAS-US	2025-09-07 10:00:00	16.300		0.325			
EAS-US	2025-09-07 11:00:00	16.300		0.330			
EAS-US	2025-09-07 12:00:00	16.600		0.322			
EAS-US	2025-09-07 13:00:00	16.700		0.322			
EAS-US	2025-09-07 14:00:00	16.700		0.320			
EAS-US	2025-09-07 15:00:00	16.800		0.326			
EAS-US	2025-09-07 16:00:00	16.700		0.326			
EAS-US	2025-09-07 17:00:00	16.700		0.329			
EAS-US	2025-09-07 18:00:00	16.700		0.327			
EAS-US	2025-09-07 19:00:00	16.600		0.330			
EAS-US	2025-09-07 20:00:00	16.500		0.328			
EAS-US	2025-09-07 21:00:00	16.400		0.332			
EAS-US	2025-09-07 22:00:00	16.400		0.327			
EAS-US	2025-09-07 23:00:00	16.300		0.330			



Water Quality Field Data Sheet



Hatfield

Project: FORTIS11234

Location Information

Site ID: WLNG (EAS) DS

Date: September 2, 2025

Site Name: East Creek

Time: 8:45

Site UTM: Zone: E:
(NAD83) N:

Crew: WS

Weather: Cloudy, 17°C

In Situ Parameters

pH: 7.34

DO: 1.92 (mg/L)

Temp.: 12.8 (°C)

Cond: 189.1 (us)

Turbidity: 0.92 NTU

Visible Sheen: N

Water Surface Condition:

Photo Record

Photo



Observations

Water Quality Field Data Sheet



Hatfield

Project: FORTIS11234

Location Information

Site ID:	WLNG (EAS) US	Date:	September 2, 2025
Site Name:	East Creek	Time:	9:25
Site UTM:	Zone: E:	Crew:	WS
(NAD83)	N:	Weather:	Cloudy, 17°C

In Situ Parameters

pH:	6.68	DO:	2.83	(mg/L)
Temp.:	16.3	Cond:	52.3	(us)
Turbidity:	1.7			NTU
Visible Sheen:	N			
Water Surface Condition:	Clear			

Photo Record

Photo unavailable

Observations

 Eagle Mountain - Woodfibre Gas Pipeline Project Waste Discharge Permit PE-110163 Report	Reporting Week	Sept 1 st to Sept 7 th , 2025
	Report #	76
	Appendix E	E-1

Appendix E: Lab Documentation



Your P.O. #: 4800010213
 Your Project #: Fortis11234/PE-110163
 Site Location: Woodfibre Pipeline Project
 Your C.O.C. #: 112678

Attention: Brett Lucas

HATFIELD CONSULTANTS
 N. VANCOUVER
 200-850 Harbourside Dr
 North Vancouver, BC
 Canada V7P 0A3

Report Date: 2025/09/10
 Report #: R3708310
 Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C575044

Received: 2025/09/02, 15:30

Sample Matrix: Water
 # Samples Received: 7

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
Alkalinity @25C (pp, total), CO ₃ ,HCO ₃ ,OH	7	N/A	2025/09/04	BBY6SOP-00026	SM 24 2320 B m
Chloride/Sulphate by Auto Colourimetry	3	N/A	2025/09/04	BBY6SOP-00011 / BBY6SOP-00017	SM24-4500-Cl/SO ₄ -E m
Chloride/Sulphate by Auto Colourimetry	4	N/A	2025/09/05	BBY6SOP-00011 / BBY6SOP-00017	SM24-4500-Cl/SO ₄ -E m
Chromium III (Calc'd)	7	N/A	2025/09/08		
Total Hexavalent Chromium	7	N/A	2025/09/08	BBY6SOP-00054	SM 24 3500-Cr B m
Carbon (DOC) -Lab Filtered (2)	7	N/A	2025/09/05	BBY6SOP-00053	SM 24 5310 B m
Fluoride	7	N/A	2025/09/05	BBY6SOP-00037	SM 24 4500-F C m
Glycols in Water by GC/FID (1)	1	N/A	2025/09/08	CAL SOP-00093	BCMOE Glycols 09/17
Sulphide (as H ₂ S) (1)	7	N/A	2025/09/08		Auto Calc
Un-ionized Hydrogen Sulphide as S Calc	5	N/A	2025/09/08	BBY WI-00033	Auto Calc
Hardness Total (calculated as CaCO ₃) (3)	7	N/A	2025/09/08	BBY WI-00033	Auto Calc
Hardness (calculated as CaCO ₃)	7	N/A	2025/09/08	BBY WI-00033	Auto Calc
Mercury (Dissolved) by CV-Lab Filtered	7	2025/09/08	2025/09/08	BBY7SOP-00032	BCMOE LM 2023 C1.1.3
Mercury (Total) by CV	7	2025/09/05	2025/09/05	BBY7SOP-00032	BCMOE LM 2023 C1.1.3
Bromide as Bromine (Br) by ICPMS	7	N/A	2025/09/10	BBY7SOP-00002	EPA 6020B R2 m
EPH in Water when PAH required	1	2025/09/08	2025/09/08	BBY8SOP-00029	BCMOE BCLM Sep2017 m
Na, K, Ca, Mg, S by CRC ICPMS (diss.)	7	N/A	2025/09/08	BBY WI-00033	Auto Calc
Elements by ICPMS Low Level (lab filter) (4)	7	N/A	2025/09/06	BBY7SOP-00002	EPA 6020b R2 m
Elements by ICPMS Digested LL (total)	2	2025/09/05	2025/09/06	BBY7SOP-00003 / BBY7SOP-00002	EPA 6020b R2 m
Na, K, Ca, Mg, S by CRC ICPMS (total)	7	N/A	2025/09/08	BBY WI-00033	Auto Calc
Elements by ICPMS Low Level (total)	5	N/A	2025/09/06	BBY7SOP-00002	EPA 6020b R2 m
Nitrogen (Total)	7	N/A	2025/09/08	BBY6SOP-00016	SM 24 4500-N C m
Ammonia-N (Total)	7	N/A	2025/09/04	AB SOP-00007	SM 24 4500 NH ₃ A G m
Nitrate + Nitrite (N)	7	N/A	2025/09/05	BBY6SOP-00010	SM 24 4500-NO ₃ - H m
Nitrite (N) Regular Level Water	7	N/A	2025/09/05	BBY6SOP-00010	SM 24 4500-NO ₂ - m
Nitrogen - Nitrate (as N)	7	N/A	2025/09/06	BBY WI-00033	Auto Calc
PAH in Water by GC/MS (SIM)	1	2025/09/08	2025/09/09	BBY8SOP-00021	BCMOE BCLM Jul2017m
Total LMW, HMW, Total PAH Calc (5)	1	N/A	2025/09/10	BBY WI-00033	Auto Calc



Your P.O. #: 4800010213
 Your Project #: Fortis11234/PE-110163
 Site Location: Woodfibre Pipeline Project
 Your C.O.C. #: 112678

Attention: Brett Lucas

HATFIELD CONSULTANTS
 N. VANCOUVER
 200-850 Harbourside Dr
 North Vancouver, BC
 Canada V7P 0A3

Report Date: 2025/09/10
 Report #: R3708310
 Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C575044

Received: 2025/09/02, 15:30

Sample Matrix: Water
 # Samples Received: 7

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
pH @25°C (6)	7	N/A	2025/09/04	BBY6SOP-00026	SM 24 4500-H+ B m
Phenols (4-AAP) (1)	1	N/A	2025/09/07	AB SOP-00088	EPA 9066 R0 m
Total Sulphide (1)	7	2025/09/08	2025/09/08	AB SOP-00080	SM 24 4500 S2-A D Fm
Total Dissolved Solids (Filt. Residue)	2	2025/09/05	2025/09/08	BBY6SOP-00033	SM 24 2540 C m
Total Dissolved Solids (Filt. Residue)	5	2025/09/08	2025/09/09	BBY6SOP-00033	SM 24 2540 C m
EPH less PAH in Water by GC/FID (7)	1	N/A	2025/09/10	BBY WI-00033	Auto Calc
Carbon (Total Organic) (8)	7	N/A	2025/09/04	BBY6SOP-00053	SM 24 5310 B m
Total Phosphorus Low Level Total	7	2025/09/04	2025/09/05	BBY6SOP-00013	SM 24 4500-P E m
Total Suspended Solids (NFR)	7	2025/09/05	2025/09/08	BBY6SOP-00034	SM 24 2540 D m
Field pH	5	N/A	2025/09/03	Field Test	Field Test
Field Temperature	5	N/A	2025/09/03	Field Test	Field Test
VOCs, VH, F1, LH in Water by HS GC/MS	1	N/A	2025/09/06	BBY8SOP-00009 / BBY8SOP-00011 / BBY8SOP-00012	BCMOE BCLM Jul2017 m
Volatile HC-BTEX (9)	1	N/A	2025/09/08	BBY WI-00033	Auto Calc

Remarks:

Bureau Veritas is accredited to ISO/IEC 17025 for specific parameters on scopes of accreditation. Unless otherwise noted, procedures used by Bureau Veritas are based upon recognized Provincial, Federal or US method compendia such as CCME, EPA, APHA or the Quebec Ministry of Environment.

All work recorded herein has been done in accordance with procedures and practices ordinarily exercised by professionals in Bureau Veritas' profession using accepted testing methodologies, quality assurance and quality control procedures (except where otherwise agreed by the client and Bureau Veritas in writing). All data is in statistical control and has met quality control and method performance criteria unless otherwise noted. All method blanks are reported; unless indicated otherwise, associated sample data are not blank corrected. Where applicable, unless otherwise noted, Measurement Uncertainty has not been accounted for when stating conformity to the referenced standard.

Bureau Veritas liability is limited to the actual cost of the requested analyses, unless otherwise agreed in writing. There is no other warranty expressed or implied. Bureau Veritas has been retained to provide analysis of samples provided by the Client using the testing methodology referenced in this report. Interpretation and use of test results are the sole responsibility of the Client and are not within the scope of services provided by Bureau Veritas, unless otherwise agreed in writing. Bureau Veritas is not responsible for the accuracy or any data impacts, that result from the information provided by the customer or their agent.

Solid sample results, except biota, are based on dry weight unless otherwise indicated. Organic analyses are not recovery corrected except for isotope



Your P.O. #: 4800010213
Your Project #: Fortis11234/PE-110163
Site Location: Woodfibre Pipeline Project
Your C.O.C. #: 112678

Attention: Brett Lucas

HATFIELD CONSULTANTS
N. VANCOUVER
200-850 Harbourside Dr
North Vancouver, BC
Canada V7P 0A3

Report Date: 2025/09/10
Report #: R3708310
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C575044

Received: 2025/09/02, 15:30

dilution methods.

Results relate to samples tested. When sampling is not conducted by Bureau Veritas, results relate to the supplied samples tested.

This Certificate shall not be reproduced except in full, without the written approval of the laboratory.

Reference Method suffix "m" indicates test methods incorporate validated modifications from specific reference methods to improve performance.

* RPDs calculated using raw data. The rounding of final results may result in the apparent difference.

(1) This test was performed by Bureau Veritas Calgary, 4000 - 19 St. , Calgary, AB, T2E 6P8

(2) DOC present in the sample should be considered as non-purgeable DOC. Dissolved > Total Imbalance: When applicable, Dissolved and Total results were reviewed and data quality meets acceptable levels unless otherwise noted.

(3) "Total Hardness" was calculated from Total Ca and Mg concentrations and may be biased high (Hardness, or Dissolved Hardness, calculated from Dissolved Ca and Mg, should be used for compliance if available).

(4) Samples were filtered and preserved at the lab. Values may not reflect concentrations at the time of sampling.

For Dissolved > Total Imbalance: When applicable, Dissolved and Total results were reviewed and data quality meets acceptable levels unless otherwise noted.

(5) Total PAHs in Water include: Quinoline, Naphthalene, 1-Methylnaphthalene, 2-Methylnaphthalene, Acenaphthylene, Acenaphthene, Fluorene, Phenanthrene, Anthracene, Acridine, Fluoranthene, Pyrene, Benzo(a)anthracene, Chrysene, Benzo(b&j)fluoranthene, Benzo(k)fluoranthene, Benzo(a)pyrene, Indeno(1,2,3-cd)pyrene, Dibenz(a,h)anthracene, and Benzo(g,h,i)perylene.

(6) The CCME method requires pH to be analysed within 15 minutes of sampling and therefore field analysis is required for compliance. All Laboratory pH analyses in this report are reported past the CCME holding time. Bureau Veritas endeavours to analyze samples as soon as possible after receipt.

(7) LEPH = EPH (C10 to C19) - (Acenaphthene + Acridine + Anthracene + Fluorene + Naphthalene + Phenanthrene)

HEPH = EPH (C19 to C32) - (Benzo(a)anthracene + Benzo(a)pyrene + Fluoranthene + Pyrene)

(8) TOC present in the sample should be considered as non-purgeable TOC.

(9) VPH = VH - (Benzene + Toluene + Ethylbenzene + m & p-Xylene + o-Xylene + Styrene)

Encryption Key

Please direct all questions regarding this Certificate of Analysis to:

Levi Manchak, Project Manager SR

Email: Levi.MANCHAK@bureauveritas.com

Phone# (780)862-5634

=====

This report has been generated and distributed using a secure automated process.

Bureau Veritas has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per ISO/IEC 17025, signing the reports. For Service Group specific validation, please refer to the Validation Signatures page if included, otherwise available by request. For Department specific Analyst/Supervisor validation names, please refer to the Test Summary section if included, otherwise available by request. This report is authorized by Rob Gilbert, BBY General Manager responsible for British Columbia Environmental laboratory operations.



Bureau Veritas Job #: C575044
Report Date: 2025/09/10

HATFIELD CONSULTANTS
Client Project #: Fortis11234/PE-110163
Site Location: Woodfibre Pipeline Project
Your P.O. #: 4800010213
Sampler Initials: WS

RESULTS OF CHEMICAL ANALYSES OF WATER

Bureau Veritas ID		DSB225			DSB225			DSB226		
Sampling Date		2025/09/02			2025/09/02			2025/09/02		
COC Number		112678			112678			112678		
	UNITS	WLNG-DS	RDL	QC Batch	WLNG-DS Lab-Dup	RDL	QC Batch	WLNG -EOP	RDL	QC Batch
ANIONS										
Nitrite (N)	mg/L	<0.0050	0.0050	C075516				<0.0050	0.0050	C075516
Calculated Parameters										
Total Chromium III	mg/L	<0.00099	0.00099	C071988				<0.00099	0.00099	C071988
Dissolved Hardness (CaCO ₃)	mg/L	57.0	0.50	C071299				58.0	0.50	C071299
Total Hardness (CaCO ₃)	mg/L	60.6	0.50	C071297				58.8	0.50	C071297
Nitrate (N)	mg/L	<0.020	0.020	C071586				<0.020	0.020	C071586
Sulphide (as H ₂ S)	mg/L	<0.0020	0.0020	C071804				<0.0020	0.0020	C071804
Field Parameters										
Field pH	pH	7.34	N/A	ONSITE				6.53	N/A	ONSITE
Field Temperature	°C	12.8	N/A	ONSITE				13.1	N/A	ONSITE
Misc. Inorganics										
pH	pH	7.64	N/A	C073679				7.77	N/A	C073589
Total Organic Carbon (C)	mg/L	0.66	0.50	C072825				0.81	0.50	C072825
Total Dissolved Solids	mg/L	96	10	C077952				100	10	C077952
Total Suspended Solids	mg/L	1.2	1.0	C074923				2.4	1.0	C074923
Lab Filtered Inorganics										
Dissolved Organic Carbon (C)	mg/L	0.65	0.50	C073705	0.65	0.50	C073705	0.75	0.50	C073705
Anions										
Alkalinity (PP as CaCO ₃)	mg/L	<1.0	1.0	C073670				<1.0	1.0	C073670
Alkalinity (Total as CaCO ₃)	mg/L	46	1.0	C073670				47	1.0	C073670
Bicarbonate (HCO ₃)	mg/L	56	1.0	C073670				58	1.0	C073670
Carbonate (CO ₃)	mg/L	<1.0	1.0	C073670				<1.0	1.0	C073670
Fluoride (F)	mg/L	0.23	0.050	C074658				0.24	0.050	C074658
Hydroxide (OH)	mg/L	<1.0	1.0	C073670				<1.0	1.0	C073670
Total Sulphide	mg/L	<0.0018	0.0018	C077594				<0.0018	0.0018	C077594
Chloride (Cl)	mg/L	12	1.0	C073570				12	1.0	C073570
Sulphate (SO ₄)	mg/L	10	1.0	C073570				10	1.0	C073570
Metals										
Total Hex. Chromium (Cr 6+)	mg/L	<0.00099	0.00099	C077437				<0.00099	0.00099	C077437
RDL = Reportable Detection Limit										
Lab-Dup = Laboratory Initiated Duplicate										
N/A = Not Applicable										



Bureau Veritas Job #: C575044
Report Date: 2025/09/10

HATFIELD CONSULTANTS
Client Project #: Fortis11234/PE-110163
Site Location: Woodfibre Pipeline Project
Your P.O. #: 4800010213
Sampler Initials: WS

RESULTS OF CHEMICAL ANALYSES OF WATER

Bureau Veritas ID		DSB225			DSB225			DSB226		
Sampling Date		2025/09/02			2025/09/02			2025/09/02		
COC Number		112678			112678			112678		
	UNITS	WLNG-DS	RDL	QC Batch	WLNG-DS Lab-Dup	RDL	QC Batch	WLNG -EOP	RDL	QC Batch
Nutrients										
Total Ammonia (N)	mg/L	<0.015	0.015	C073980				<0.015	0.015	C073980
Total Phosphorus (P)	mg/L	0.0029	0.0010	C074018				0.0030	0.0010	C074018
Nitrate plus Nitrite (N)	mg/L	<0.020	0.020	C075511				<0.020	0.020	C075511
Total Nitrogen (N)	mg/L	0.125	0.020	C074776				0.138	0.020	C074776
Misc. Organics										
Phenols	mg/L							<0.0015	0.0015	C076825
RDL = Reportable Detection Limit Lab-Dup = Laboratory Initiated Duplicate										



Bureau Veritas Job #: C575044
Report Date: 2025/09/10

HATFIELD CONSULTANTS
Client Project #: Fortis11234/PE-110163
Site Location: Woodfibre Pipeline Project
Your P.O. #: 4800010213
Sampler Initials: WS

RESULTS OF CHEMICAL ANALYSES OF WATER

Bureau Veritas ID		DSB226			DSB227		DSB228		
Sampling Date		2025/09/02			2025/09/02		2025/09/02		
COC Number		112678			112678		112678		
	UNITS	WLNG -EOP Lab-Dup	RDL	QC Batch	WLNG-US	QC Batch	SQRI-US	RDL	QC Batch
ANIONS									
Nitrite (N)	mg/L				<0.0050	C075516	<0.0050	0.0050	C075516
Calculated Parameters									
Total Chromium III	mg/L				<0.00099	C071988	0.0012	0.00099	C071988
Dissolved Hardness (CaCO ₃)	mg/L				9.71	C071299	9.30	0.50	C071299
Total Hardness (CaCO ₃)	mg/L				10.6	C071297	15.4	0.50	C071297
Nitrate (N)	mg/L				<0.020	C071586	<0.020	0.020	C071586
Sulphide (as H ₂ S)	mg/L				<0.0020	C071804	0.010	0.0020	C071804
Field Parameters									
Field pH	pH				6.68	ONSITE	5.98	N/A	ONSITE
Field Temperature	°C				16.3	ONSITE	13.7	N/A	ONSITE
Misc. Inorganics									
pH	pH				6.85	C073679	6.69	N/A	C073679
Total Organic Carbon (C)	mg/L				1.8	C072825	<0.50	0.50	C072825
Total Dissolved Solids	mg/L				20	C077952	28	10	C077952
Total Suspended Solids	mg/L				1.6	C074923	210	1.0	C074923
Lab Filtered Inorganics									
Dissolved Organic Carbon (C)	mg/L				2.1	C073705	<0.50	0.50	C073705
Anions									
Alkalinity (PP as CaCO ₃)	mg/L				<1.0	C073670	<1.0	1.0	C073670
Alkalinity (Total as CaCO ₃)	mg/L				9.2	C073670	8.0	1.0	C073670
Bicarbonate (HCO ₃)	mg/L				11	C073670	9.8	1.0	C073670
Carbonate (CO ₃)	mg/L				<1.0	C073670	<1.0	1.0	C073670
Fluoride (F)	mg/L				<0.050	C074658	<0.050	0.050	C074658
Hydroxide (OH)	mg/L				<1.0	C073670	<1.0	1.0	C073670
Total Sulphide	mg/L				<0.0018	C077594	0.0098	0.0018	C077594
Chloride (Cl)	mg/L				<1.0	C073570	<1.0	1.0	C073854
Sulphate (SO ₄)	mg/L				2.2	C073570	2.7	1.0	C073854
Metals									
Total Hex. Chromium (Cr 6+)	mg/L				<0.00099	C077437	<0.00099	0.00099	C077437
RDL = Reportable Detection Limit									
Lab-Dup = Laboratory Initiated Duplicate									
N/A = Not Applicable									



Bureau Veritas Job #: C575044
Report Date: 2025/09/10

HATFIELD CONSULTANTS
Client Project #: Fortis11234/PE-110163
Site Location: Woodfibre Pipeline Project
Your P.O. #: 4800010213
Sampler Initials: WS

RESULTS OF CHEMICAL ANALYSES OF WATER

Bureau Veritas ID		DSB226			DSB227		DSB228		
Sampling Date		2025/09/02			2025/09/02		2025/09/02		
COC Number		112678			112678		112678		
	UNITS	WLNG -EOP Lab-Dup	RDL	QC Batch	WLNG-US	QC Batch	SQRI-US	RDL	QC Batch
Nutrients									
Total Ammonia (N)	mg/L				<0.015	C073980	0.053	0.015	C073980
Total Phosphorus (P)	mg/L				0.0094	C074018	0.30	0.0010	C074018
Nitrate plus Nitrite (N)	mg/L				<0.020	C075511	<0.020	0.020	C075511
Total Nitrogen (N)	mg/L				0.149	C074776	0.149	0.020	C074776
Misc. Organics									
Phenols	mg/L	<0.0015	0.0015	C076825					
RDL = Reportable Detection Limit Lab-Dup = Laboratory Initiated Duplicate									



Bureau Veritas Job #: C575044
Report Date: 2025/09/10

HATFIELD CONSULTANTS
Client Project #: Fortis11234/PE-110163
Site Location: Woodfibre Pipeline Project
Your P.O. #: 4800010213
Sampler Initials: WS

RESULTS OF CHEMICAL ANALYSES OF WATER

Bureau Veritas ID		DSB228			DSB229			DSB230		
Sampling Date		2025/09/02			2025/09/02			2025/09/02		
COC Number		112678			112678			112678		
	UNITS	SQRI-US Lab-Dup	RDL	QC Batch	SQRI-DS	RDL	QC Batch	Field Blank	RDL	QC Batch
ANIONS										
Nitrite (N)	mg/L	<0.0050	0.0050	C075516	<0.0050	0.0050	C075516	<0.0050	0.0050	C075516
Calculated Parameters										
Total Chromium III	mg/L				0.0016	0.00099	C071988	<0.00099	0.00099	C071988
Dissolved Hardness (CaCO ₃)	mg/L				8.38	0.50	C071299	<0.50	0.50	C071299
Total Hardness (CaCO ₃)	mg/L				14.5	0.50	C071297	<0.50	0.50	C071297
Nitrate (N)	mg/L				<0.020	0.020	C071586	<0.020	0.020	C071586
Sulphide (as H ₂ S)	mg/L				0.0042	0.0020	C071804	<0.0020	0.0020	C071804
Field Parameters										
Field pH	pH				5.88	N/A	ONSITE			
Field Temperature	°C				13.2	N/A	ONSITE			
Misc. Inorganics										
pH	pH				6.66	N/A	C073679	5.95	N/A	C073679
Total Organic Carbon (C)	mg/L				0.66	0.50	C072825	<0.50	0.50	C072825
Total Dissolved Solids	mg/L				16	10	C077952	<10	10	C074862
Total Suspended Solids	mg/L				200	1.0	C074923	<1.0	1.0	C074923
Lab Filtered Inorganics										
Dissolved Organic Carbon (C)	mg/L				<0.50	0.50	C073705	<0.50	0.50	C073705
Anions										
Alkalinity (PP as CaCO ₃)	mg/L				<1.0	1.0	C073670	<1.0	1.0	C073670
Alkalinity (Total as CaCO ₃)	mg/L				7.6	1.0	C073670	<1.0	1.0	C073670
Bicarbonate (HCO ₃)	mg/L				9.3	1.0	C073670	<1.0	1.0	C073670
Carbonate (CO ₃)	mg/L				<1.0	1.0	C073670	<1.0	1.0	C073670
Fluoride (F)	mg/L				<0.050	0.050	C074658	<0.050	0.050	C074658
Hydroxide (OH)	mg/L				<1.0	1.0	C073670	<1.0	1.0	C073670
Total Sulphide	mg/L				0.0040	0.0018	C077594	<0.0018	0.0018	C077594
Chloride (Cl)	mg/L				<1.0	1.0	C073854	<1.0	1.0	C073854
Sulphate (SO ₄)	mg/L				2.5	1.0	C073854	<1.0	1.0	C073854
Metals										
Total Hex. Chromium (Cr 6+)	mg/L				<0.00099	0.00099	C077437	<0.00099	0.00099	C077437
RDL = Reportable Detection Limit Lab-Dup = Laboratory Initiated Duplicate N/A = Not Applicable										



Bureau Veritas Job #: C575044
Report Date: 2025/09/10

HATFIELD CONSULTANTS
Client Project #: Fortis11234/PE-110163
Site Location: Woodfibre Pipeline Project
Your P.O. #: 4800010213
Sampler Initials: WS

RESULTS OF CHEMICAL ANALYSES OF WATER

Bureau Veritas ID		DSB228			DSB229			DSB230		
Sampling Date		2025/09/02			2025/09/02			2025/09/02		
COC Number		112678			112678			112678		
	UNITS	SQRI-US Lab-Dup	RDL	QC Batch	SQRI-DS	RDL	QC Batch	Field Blank	RDL	QC Batch
Nutrients										
Total Ammonia (N)	mg/L				0.041	0.015	C073980	<0.015	0.015	C073980
Total Phosphorus (P)	mg/L				0.22	0.0010	C074018	<0.0010	0.0010	C074018
Nitrate plus Nitrite (N)	mg/L	<0.020	0.020	C075511	<0.020	0.020	C075511	<0.020	0.020	C075511
Total Nitrogen (N)	mg/L				0.111	0.020	C074776	0.025	0.020	C074776
RDL = Reportable Detection Limit										
Lab-Dup = Laboratory Initiated Duplicate										



Bureau Veritas Job #: C575044
Report Date: 2025/09/10

HATFIELD CONSULTANTS
Client Project #: Fortis11234/PE-110163
Site Location: Woodfibre Pipeline Project
Your P.O. #: 4800010213
Sampler Initials: WS

RESULTS OF CHEMICAL ANALYSES OF WATER

Bureau Veritas ID		DSB230			DSB231			DSB231		
Sampling Date		2025/09/02			2025/09/02			2025/09/02		
COC Number		112678			112678			112678		
	UNITS	Field Blank Lab-Dup	RDL	QC Batch	Trip Blank	RDL	QC Batch	Trip Blank Lab-Dup	RDL	QC Batch
ANIONS										
Nitrite (N)	mg/L				<0.0050	0.0050	C075516			
Calculated Parameters										
Total Chromium III	mg/L				<0.00099	0.00099	C071988			
Dissolved Hardness (CaCO ₃)	mg/L				<0.50	0.50	C071299			
Total Hardness (CaCO ₃)	mg/L				<0.50	0.50	C071297			
Nitrate (N)	mg/L				<0.020	0.020	C071586			
Sulphide (as H ₂ S)	mg/L				<0.0020	0.0020	C071804			
Misc. Inorganics										
pH	pH				5.91	N/A	C073679			
Total Organic Carbon (C)	mg/L				<0.50	0.50	C072825			
Total Dissolved Solids	mg/L				<10	10	C074862			
Total Suspended Solids	mg/L				<1.0	1.0	C074923	<1.0	1.0	C074923
Lab Filtered Inorganics										
Dissolved Organic Carbon (C)	mg/L				<0.50	0.50	C073705			
Anions										
Alkalinity (PP as CaCO ₃)	mg/L				<1.0	1.0	C073670			
Alkalinity (Total as CaCO ₃)	mg/L				<1.0	1.0	C073670			
Bicarbonate (HCO ₃)	mg/L				<1.0	1.0	C073670			
Carbonate (CO ₃)	mg/L				<1.0	1.0	C073670			
Fluoride (F)	mg/L				<0.050	0.050	C074658			
Hydroxide (OH)	mg/L				<1.0	1.0	C073670			
Total Sulphide	mg/L	<0.0018	0.0018	C077594	<0.0018	0.0018	C077594			
Chloride (Cl)	mg/L				<1.0	1.0	C073854			
Sulphate (SO ₄)	mg/L				<1.0	1.0	C073854			
Metals										
Total Hex. Chromium (Cr 6+)	mg/L				<0.00099	0.00099	C077437			
Nutrients										
Total Ammonia (N)	mg/L				<0.015	0.015	C073980			
RDL = Reportable Detection Limit Lab-Dup = Laboratory Initiated Duplicate N/A = Not Applicable										



Bureau Veritas Job #: C575044
Report Date: 2025/09/10

HATFIELD CONSULTANTS
Client Project #: Fortis11234/PE-110163
Site Location: Woodfibre Pipeline Project
Your P.O. #: 4800010213
Sampler Initials: WS

RESULTS OF CHEMICAL ANALYSES OF WATER

Bureau Veritas ID		DSB230			DSB231			DSB231		
Sampling Date		2025/09/02			2025/09/02			2025/09/02		
COC Number		112678			112678			112678		
	UNITS	Field Blank Lab-Dup	RDL	QC Batch	Trip Blank	RDL	QC Batch	Trip Blank Lab-Dup	RDL	QC Batch
Total Phosphorus (P)	mg/L				<0.0010	0.0010	C074018			
Nitrate plus Nitrite (N)	mg/L				<0.020	0.020	C075511			
Total Nitrogen (N)	mg/L				<0.020	0.020	C074776	<0.020	0.020	C074776
RDL = Reportable Detection Limit Lab-Dup = Laboratory Initiated Duplicate										



Bureau Veritas Job #: C575044
Report Date: 2025/09/10

HATFIELD CONSULTANTS
Client Project #: Fortis11234/PE-110163
Site Location: Woodfibre Pipeline Project
Your P.O. #: 4800010213
Sampler Initials: WS

GLYCOLS BY GC-FID (WATER)

Bureau Veritas ID		DSB226		
Sampling Date		2025/09/02		
COC Number		112678		
	UNITS	WLNG -EOP	RDL	QC Batch
Glycols				
Ethylene Glycol	mg/L	<3.0	3.0	C077248
Diethylene Glycol	mg/L	<5.0	5.0	C077248
Triethylene Glycol	mg/L	<5.0	5.0	C077248
Propylene Glycol	mg/L	<5.0	5.0	C077248
Surrogate Recovery (%)				
Methyl Sulfone (sur.)	%	95		C077248
RDL = Reportable Detection Limit				



Bureau Veritas Job #: C575044
Report Date: 2025/09/10

HATFIELD CONSULTANTS
Client Project #: Fortis11234/PE-110163
Site Location: Woodfibre Pipeline Project
Your P.O. #: 4800010213
Sampler Initials: WS

MERCURY BY COLD VAPOR (WATER)

Bureau Veritas ID		DSB225			DSB225			DSB226	DSB227		
Sampling Date		2025/09/02			2025/09/02			2025/09/02	2025/09/02		
COC Number		112678			112678			112678	112678		
	UNITS	WLNG-DS	RDL	QC Batch	WLNG-DS Lab-Dup	RDL	QC Batch	WLNG -EOP	WLNG-US	RDL	QC Batch

Elements											
Total Mercury (Hg)	ug/L	<0.0019	0.0019	C074910				<0.0019	<0.0019	0.0019	C074910
Lab Filtered Elements											
Dissolved Mercury (Hg)	ug/L	<0.0019	0.0019	C077379	<0.0019	0.0019	C077379	<0.0019	<0.0019	0.0019	C077379
RDL = Reportable Detection Limit											
Lab-Dup = Laboratory Initiated Duplicate											

Bureau Veritas ID		DSB228	DSB229	DSB230	DSB231		
Sampling Date		2025/09/02	2025/09/02	2025/09/02	2025/09/02		
COC Number		112678	112678	112678	112678		
	UNITS	SQRI-US	SQRI-DS	Field Blank	Trip Blank	RDL	QC Batch
Elements							
Total Mercury (Hg)	ug/L	<0.0019	<0.0019	<0.0019	<0.0019	0.0019	C074910
Lab Filtered Elements							
Dissolved Mercury (Hg)	ug/L	<0.0019	0.0027	<0.0019	<0.0019	0.0019	C077379
RDL = Reportable Detection Limit							



Bureau Veritas Job #: C575044
Report Date: 2025/09/10

HATFIELD CONSULTANTS
Client Project #: Fortis11234/PE-110163
Site Location: Woodfibre Pipeline Project
Your P.O. #: 4800010213
Sampler Initials: WS

ELEMENTS BY ATOMIC SPECTROSCOPY (WATER)

Bureau Veritas ID		DSB225			DSB225			DSB226	DSB227		
Sampling Date		2025/09/02			2025/09/02			2025/09/02	2025/09/02		
COC Number		112678			112678			112678	112678		
	UNITS	WLNG-DS	RDL	QC Batch	WLNG-DS Lab-Dup	RDL	QC Batch	WLNG -EOP	WLNG-US	RDL	QC Batch

ANIONS

Bromide (Br)	mg/L	<0.010	0.010	C077568				<0.010	<0.010	0.010	C077568
--------------	------	--------	-------	---------	--	--	--	--------	--------	-------	---------

Dissolved Metals by ICPMS

Dissolved Calcium (Ca)	mg/L	21.1	0.050	C071305				21.4	3.30	0.050	C071305
Dissolved Magnesium (Mg)	mg/L	1.06	0.050	C071305				1.08	0.359	0.050	C071305
Dissolved Potassium (K)	mg/L	1.87	0.050	C071305				1.95	0.220	0.050	C071305
Dissolved Sodium (Na)	mg/L	6.72	0.050	C071305				6.86	1.98	0.050	C071305
Dissolved Sulphur (S)	mg/L	3.4	3.0	C071305				3.3	<3.0	3.0	C071305

Lab Filtered Metals

Dissolved Aluminum (Al)	ug/L	50.6	0.50	C074687	48.9	0.50	C074687	40.5	32.7	0.50	C074687
Dissolved Antimony (Sb)	ug/L	0.512	0.020	C074687	0.524	0.020	C074687	0.621	0.022	0.020	C074687
Dissolved Arsenic (As)	ug/L	1.67	0.020	C074687	1.62	0.020	C074687	1.72	0.140	0.020	C074687
Dissolved Barium (Ba)	ug/L	5.61	0.020	C074687	5.76	0.020	C074687	5.66	5.51	0.020	C074687
Dissolved Beryllium (Be)	ug/L	<0.010	0.010	C074687	<0.010	0.010	C074687	<0.010	<0.010	0.010	C074687
Dissolved Bismuth (Bi)	ug/L	<0.0050	0.0050	C074687	<0.0050	0.0050	C074687	<0.0050	<0.0050	0.0050	C074687
Dissolved Boron (B)	ug/L	14	10	C074687	14	10	C074687	14	<10	10	C074687
Dissolved Cadmium (Cd)	ug/L	0.0079	0.0050	C074687	0.0082	0.0050	C074687	0.0122	0.0052	0.0050	C074687
Dissolved Cesium (Cs)	ug/L	<0.050	0.050	C074687	<0.050	0.050	C074687	<0.050	<0.050	0.050	C074687
Dissolved Chromium (Cr)	ug/L	<0.10	0.10	C074687	<0.10	0.10	C074687	<0.10	<0.10	0.10	C074687
Dissolved Cobalt (Co)	ug/L	0.0464	0.0050	C074687	0.0414	0.0050	C074687	0.0455	0.0132	0.0050	C074687
Dissolved Copper (Cu)	ug/L	<0.050	0.050	C074687	<0.050	0.050	C074687	0.231	0.644	0.050	C074687
Dissolved Iron (Fe)	ug/L	1.7	1.0	C074687	1.8	1.0	C074687	<1.0	48.5	1.0	C074687
Dissolved Lead (Pb)	ug/L	<0.0050	0.0050	C074687	<0.0050	0.0050	C074687	<0.0050	0.0191	0.0050	C074687
Dissolved Lithium (Li)	ug/L	4.03	0.50	C074687	3.98	0.50	C074687	4.31	<0.50	0.50	C074687
Dissolved Manganese (Mn)	ug/L	36.1	0.050	C074687	36.0	0.050	C074687	40.3	0.828	0.050	C074687
Dissolved Molybdenum (Mo)	ug/L	26.8	0.050	C074687	26.6	0.050	C074687	27.0	0.613	0.050	C074687
Dissolved Nickel (Ni)	ug/L	0.185	0.020	C074687	0.180	0.020	C074687	0.175	0.240	0.020	C074687
Dissolved Phosphorus (P)	ug/L	<2.0	2.0	C074687	<2.0	2.0	C074687	<2.0	3.8	2.0	C074687
Dissolved Rubidium (Rb)	ug/L	4.37	0.050	C074687	4.53	0.050	C074687	4.58	0.571	0.050	C074687
Dissolved Selenium (Se)	ug/L	<0.040	0.040	C074687	<0.040	0.040	C074687	<0.040	<0.040	0.040	C074687
Dissolved Silicon (Si)	ug/L	6970	50	C074687	7070	50	C074687	7050	4930	50	C074687
Dissolved Silver (Ag)	ug/L	<0.0050	0.0050	C074687	<0.0050	0.0050	C074687	<0.0050	<0.0050	0.0050	C074687

RDL = Reportable Detection Limit

Lab-Dup = Laboratory Initiated Duplicate



Bureau Veritas Job #: C575044
Report Date: 2025/09/10

HATFIELD CONSULTANTS
Client Project #: Fortis11234/PE-110163
Site Location: Woodfibre Pipeline Project
Your P.O. #: 4800010213
Sampler Initials: WS

ELEMENTS BY ATOMIC SPECTROSCOPY (WATER)

Bureau Veritas ID		DSB225			DSB225			DSB226	DSB227		
Sampling Date		2025/09/02			2025/09/02			2025/09/02	2025/09/02		
COC Number		112678			112678			112678	112678		
	UNITS	WLNG-DS	RDL	QC Batch	WLNG-DS Lab-Dup	RDL	QC Batch	WLNG -EOP	WLNG-US	RDL	QC Batch
Dissolved Strontium (Sr)	ug/L	47.9	0.050	C074687	47.7	0.050	C074687	48.0	17.2	0.050	C074687
Dissolved Tellurium (Te)	ug/L	<0.020	0.020	C074687	<0.020	0.020	C074687	<0.020	<0.020	0.020	C074687
Dissolved Thallium (Tl)	ug/L	0.0152	0.0020	C074687	0.0159	0.0020	C074687	0.0165	0.0039	0.0020	C074687
Dissolved Thorium (Th)	ug/L	<0.0050	0.0050	C074687	<0.0050	0.0050	C074687	<0.0050	0.0102	0.0050	C074687
Dissolved Tin (Sn)	ug/L	<0.20	0.20	C074687	<0.20	0.20	C074687	<0.20	<0.20	0.20	C074687
Dissolved Titanium (Ti)	ug/L	<0.50	0.50	C074687	<0.50	0.50	C074687	<0.50	<0.50	0.50	C074687
Dissolved Uranium (U)	ug/L	0.303	0.0020	C074687	0.303	0.0020	C074687	0.318	0.0563	0.0020	C074687
Dissolved Vanadium (V)	ug/L	<0.20	0.20	C074687	<0.20	0.20	C074687	<0.20	0.21	0.20	C074687
Dissolved Zinc (Zn)	ug/L	0.85	0.10	C074687	0.85	0.10	C074687	2.42	0.43	0.10	C074687
Dissolved Zirconium (Zr)	ug/L	<0.10	0.10	C074687	<0.10	0.10	C074687	<0.10	<0.10	0.10	C074687
Total Metals by ICPMS											
Total Aluminum (Al)	ug/L	127	0.50	C074643				144	53.3	0.50	C074643
Total Antimony (Sb)	ug/L	0.553	0.020	C074643				0.629	0.025	0.020	C074643
Total Arsenic (As)	ug/L	1.77	0.020	C074643				1.75	0.133	0.020	C074643
Total Barium (Ba)	ug/L	6.52	0.020	C074643				6.42	6.21	0.020	C074643
Total Beryllium (Be)	ug/L	<0.010	0.010	C074643				<0.010	<0.010	0.010	C074643
Total Bismuth (Bi)	ug/L	<0.0050	0.0050	C074643				<0.0050	<0.0050	0.0050	C074643
Total Boron (B)	ug/L	14	10	C074643				14	<10	10	C074643
Total Cadmium (Cd)	ug/L	0.0083	0.0050	C074643				0.0069	0.0056	0.0050	C074643
Total Cesium (Cs)	ug/L	<0.050	0.050	C074643				<0.050	<0.050	0.050	C074643
Total Chromium (Cr)	ug/L	<0.10	0.10	C074643				<0.10	<0.10	0.10	C074643
Total Cobalt (Co)	ug/L	0.0613	0.0050	C074643				0.0538	0.0253	0.0050	C074643
Total Copper (Cu)	ug/L	0.090	0.050	C074643				0.701	0.713	0.050	C074643
Total Iron (Fe)	ug/L	35.5	1.0	C074643				50.4	88.9	1.0	C074643
Total Lead (Pb)	ug/L	0.0153	0.0050	C074643				0.0947	0.0357	0.0050	C074643
Total Lithium (Li)	ug/L	4.17	0.50	C074643				4.36	<0.50	0.50	C074643
Total Manganese (Mn)	ug/L	45.1	0.050	C074643				45.1	2.10	0.050	C074643
Total Molybdenum (Mo)	ug/L	28.1	0.050	C074643				27.6	0.651	0.050	C074643
Total Nickel (Ni)	ug/L	0.209	0.020	C074643				0.210	0.276	0.020	C074643
Total Phosphorus (P)	ug/L	5.2	2.0	C074643				6.1	7.5	2.0	C074643
Total Rubidium (Rb)	ug/L	4.79	0.050	C074643				4.90	0.585	0.050	C074643
Total Selenium (Se)	ug/L	<0.040	0.040	C074643				<0.040	<0.040	0.040	C074643
RDL = Reportable Detection Limit											
Lab-Dup = Laboratory Initiated Duplicate											



Bureau Veritas Job #: C575044
Report Date: 2025/09/10

HATFIELD CONSULTANTS
Client Project #: Fortis11234/PE-110163
Site Location: Woodfibre Pipeline Project
Your P.O. #: 4800010213
Sampler Initials: WS

ELEMENTS BY ATOMIC SPECTROSCOPY (WATER)

Bureau Veritas ID		DSB225			DSB225			DSB226	DSB227		
Sampling Date		2025/09/02			2025/09/02			2025/09/02	2025/09/02		
COC Number		112678			112678			112678	112678		
	UNITS	WLNG-DS	RDL	QC Batch	WLNG-DS Lab-Dup	RDL	QC Batch	WLNG -EOP	WLNG-US	RDL	QC Batch
Total Silicon (Si)	ug/L	7420	50	C074643				7190	5400	50	C074643
Total Silver (Ag)	ug/L	<0.0050	0.0050	C074643				<0.0050	<0.0050	0.0050	C074643
Total Strontium (Sr)	ug/L	51.0	0.050	C074643				49.9	18.8	0.050	C074643
Total Tellurium (Te)	ug/L	<0.020	0.020	C074643				<0.020	<0.020	0.020	C074643
Total Thallium (Tl)	ug/L	0.0143	0.0020	C074643				0.0159	0.0024	0.0020	C074643
Total Thorium (Th)	ug/L	<0.050	0.050	C074643				<0.050	<0.050	0.050	C074643
Total Tin (Sn)	ug/L	<0.20	0.20	C074643				<0.20	<0.20	0.20	C074643
Total Titanium (Ti)	ug/L	1.55	0.50	C074643				2.14	0.58	0.50	C074643
Total Uranium (U)	ug/L	0.347	0.0020	C074643				0.384	0.0640	0.0020	C074643
Total Vanadium (V)	ug/L	<0.20	0.20	C074643				<0.20	0.22	0.20	C074643
Total Zinc (Zn)	ug/L	1.38	0.10	C074643				2.92	0.62	0.10	C074643
Total Zirconium (Zr)	ug/L	<0.10	0.10	C074643				<0.10	<0.10	0.10	C074643
Total Calcium (Ca)	mg/L	22.3	0.050	C071306				21.6	3.60	0.050	C071306
Total Magnesium (Mg)	mg/L	1.22	0.050	C071306				1.16	0.403	0.050	C071306
Total Potassium (K)	mg/L	2.04	0.050	C071306				2.05	0.231	0.050	C071306
Total Sodium (Na)	mg/L	7.58	0.050	C071306				7.52	2.22	0.050	C071306
Total Sulphur (S)	mg/L	4.3	3.0	C071306				3.4	<3.0	3.0	C071306

RDL = Reportable Detection Limit

Lab-Dup = Laboratory Initiated Duplicate



Bureau Veritas Job #: C575044
Report Date: 2025/09/10

HATFIELD CONSULTANTS
Client Project #: Fortis11234/PE-110163
Site Location: Woodfibre Pipeline Project
Your P.O. #: 4800010213
Sampler Initials: WS

ELEMENTS BY ATOMIC SPECTROSCOPY (WATER)

Bureau Veritas ID		DSB228			DSB228			DSB229		
Sampling Date		2025/09/02			2025/09/02			2025/09/02		
COC Number		112678			112678			112678		
	UNITS	SQRI-US	RDL	QC Batch	SQRI-US Lab-Dup	RDL	QC Batch	SQRI-DS	RDL	QC Batch
ANIONS										
Bromide (Br)	mg/L	<0.010	0.010	C077568				<0.010	0.010	C077576
Dissolved Metals by ICPMS										
Dissolved Calcium (Ca)	mg/L	3.09	0.050	C071305				2.82	0.050	C071305
Dissolved Magnesium (Mg)	mg/L	0.383	0.050	C071305				0.326	0.050	C071305
Dissolved Potassium (K)	mg/L	0.539	0.050	C071305				0.522	0.050	C071305
Dissolved Sodium (Na)	mg/L	1.21	0.050	C071305				1.03	0.050	C071305
Dissolved Sulphur (S)	mg/L	<3.0	3.0	C071305				<3.0	3.0	C071305
Lab Filtered Metals										
Dissolved Aluminum (Al)	ug/L	34.8	0.50	C074687				35.1	0.50	C074687
Dissolved Antimony (Sb)	ug/L	<0.020	0.020	C074687				<0.020	0.020	C074687
Dissolved Arsenic (As)	ug/L	0.142	0.020	C074687				0.114	0.020	C074687
Dissolved Barium (Ba)	ug/L	4.41	0.020	C074687				4.55	0.020	C074687
Dissolved Beryllium (Be)	ug/L	<0.010	0.010	C074687				<0.010	0.010	C074687
Dissolved Bismuth (Bi)	ug/L	<0.0050	0.0050	C074687				<0.0050	0.0050	C074687
Dissolved Boron (B)	ug/L	<10	10	C074687				<10	10	C074687
Dissolved Cadmium (Cd)	ug/L	<0.0050	0.0050	C074687				<0.0050	0.0050	C074687
Dissolved Cesium (Cs)	ug/L	<0.050	0.050	C074687				<0.050	0.050	C074687
Dissolved Chromium (Cr)	ug/L	<0.10	0.10	C074687				<0.10	0.10	C074687
Dissolved Cobalt (Co)	ug/L	0.0258	0.0050	C074687				0.0249	0.0050	C074687
Dissolved Copper (Cu)	ug/L	0.305	0.050	C074687				0.261	0.050	C074687
Dissolved Iron (Fe)	ug/L	19.5	1.0	C074687				19.7	1.0	C074687
Dissolved Lead (Pb)	ug/L	0.0098	0.0050	C074687				0.0089	0.0050	C074687
Dissolved Lithium (Li)	ug/L	0.74	0.50	C074687				0.71	0.50	C074687
Dissolved Manganese (Mn)	ug/L	9.17	0.050	C074687				8.60	0.050	C074687
Dissolved Molybdenum (Mo)	ug/L	0.351	0.050	C074687				0.333	0.050	C074687
Dissolved Nickel (Ni)	ug/L	0.054	0.020	C074687				0.056	0.020	C074687
Dissolved Phosphorus (P)	ug/L	11.1	2.0	C074687				6.7	2.0	C074687
Dissolved Rubidium (Rb)	ug/L	0.851	0.050	C074687				0.834	0.050	C074687
Dissolved Selenium (Se)	ug/L	<0.040	0.040	C074687				<0.040	0.040	C074687
Dissolved Silicon (Si)	ug/L	2490	50	C074687				2150	50	C074687
Dissolved Silver (Ag)	ug/L	<0.0050	0.0050	C074687				<0.0050	0.0050	C074687
RDL = Reportable Detection Limit										
Lab-Dup = Laboratory Initiated Duplicate										



Bureau Veritas Job #: C575044
Report Date: 2025/09/10

HATFIELD CONSULTANTS
Client Project #: Fortis11234/PE-110163
Site Location: Woodfibre Pipeline Project
Your P.O. #: 4800010213
Sampler Initials: WS

ELEMENTS BY ATOMIC SPECTROSCOPY (WATER)

Bureau Veritas ID		DSB228			DSB228			DSB229		
Sampling Date		2025/09/02			2025/09/02			2025/09/02		
COC Number		112678			112678			112678		
	UNITS	SQRI-US	RDL	QC Batch	SQRI-US Lab-Dup	RDL	QC Batch	SQRI-DS	RDL	QC Batch
Dissolved Strontium (Sr)	ug/L	20.3	0.050	C074687				17.9	0.050	C074687
Dissolved Tellurium (Te)	ug/L	<0.020	0.020	C074687				<0.020	0.020	C074687
Dissolved Thallium (Tl)	ug/L	0.0040	0.0020	C074687				0.0034	0.0020	C074687
Dissolved Thorium (Th)	ug/L	<0.0050	0.0050	C074687				0.0060	0.0050	C074687
Dissolved Tin (Sn)	ug/L	<0.20	0.20	C074687				<0.20	0.20	C074687
Dissolved Titanium (Ti)	ug/L	1.14	0.50	C074687				1.22	0.50	C074687
Dissolved Uranium (U)	ug/L	0.0134	0.0020	C074687				0.0113	0.0020	C074687
Dissolved Vanadium (V)	ug/L	0.95	0.20	C074687				0.81	0.20	C074687
Dissolved Zinc (Zn)	ug/L	<0.10	0.10	C074687				<0.10	0.10	C074687
Dissolved Zirconium (Zr)	ug/L	<0.10	0.10	C074687				<0.10	0.10	C074687
Total Metals by ICPMS										
Total Aluminum (Al)	ug/L	2900	3.0	C074696	3450	3.0	C074696	3240	3.0	C074696
Total Antimony (Sb)	ug/L	<0.020	0.020	C074696	0.020	0.020	C074696	<0.020	0.020	C074696
Total Arsenic (As)	ug/L	0.262	0.020	C074696	0.301	0.020	C074696	0.266	0.020	C074696
Total Barium (Ba)	ug/L	46.2	0.050	C074696	50.4	0.050	C074696	47.2	0.050	C074696
Total Beryllium (Be)	ug/L	0.044	0.010	C074696	0.047	0.010	C074696	0.046	0.010	C074696
Total Bismuth (Bi)	ug/L	<0.010	0.010	C074696	<0.010	0.010	C074696	<0.010	0.010	C074696
Total Boron (B)	ug/L	<10	10	C074696	<10	10	C074696	<10	10	C074696
Total Cadmium (Cd)	ug/L	0.0120	0.0050	C074696	0.0210	0.0050	C074696	0.0130	0.0050	C074696
Total Cesium (Cs)	ug/L	0.119	0.050	C074696	0.130	0.050	C074696	0.125	0.050	C074696
Total Chromium (Cr)	ug/L	1.25	0.10	C074696	1.37	0.10	C074696	1.60	0.10	C074696
Total Cobalt (Co)	ug/L	1.18	0.010	C074696	1.32	0.010	C074696	1.29	0.010	C074696
Total Copper (Cu)	ug/L	4.63	0.10	C074696	5.05	0.10	C074696	4.88	0.10	C074696
Total Iron (Fe)	ug/L	2490	5.0	C074696	2730	5.0	C074696	2780	5.0	C074696
Total Lead (Pb)	ug/L	0.461	0.020	C074696	0.525	0.020	C074696	0.495	0.020	C074696
Total Lithium (Li)	ug/L	2.16	0.50	C074696	2.27	0.50	C074696	2.30	0.50	C074696
Total Manganese (Mn)	ug/L	76.4	0.10	C074696	81.3	0.10	C074696	78.0	0.10	C074696
Total Molybdenum (Mo)	ug/L	0.289	0.050	C074696	0.286	0.050	C074696	0.288	0.050	C074696
Total Nickel (Ni)	ug/L	1.36	0.10	C074696	1.51	0.10	C074696	1.71	0.10	C074696
Total Phosphorus (P)	ug/L	185	5.0	C074696	187	5.0	C074696	141	5.0	C074696
Total Rubidium (Rb)	ug/L	3.79	0.050	C074696	4.08	0.050	C074696	4.03	0.050	C074696
Total Selenium (Se)	ug/L	<0.040	0.040	C074696	<0.040	0.040	C074696	<0.040	0.040	C074696
RDL = Reportable Detection Limit										
Lab-Dup = Laboratory Initiated Duplicate										



Bureau Veritas Job #: C575044
Report Date: 2025/09/10

HATFIELD CONSULTANTS
Client Project #: Fortis11234/PE-110163
Site Location: Woodfibre Pipeline Project
Your P.O. #: 4800010213
Sampler Initials: WS

ELEMENTS BY ATOMIC SPECTROSCOPY (WATER)

Bureau Veritas ID		DSB228			DSB228			DSB229		
Sampling Date		2025/09/02			2025/09/02			2025/09/02		
COC Number		112678			112678			112678		
	UNITS	SQRI-US	RDL	QC Batch	SQRI-US Lab-Dup	RDL	QC Batch	SQRI-DS	RDL	QC Batch
Total Silicon (Si)	ug/L	6140	50	C074696	6640	50	C074696	6190	50	C074696
Total Silver (Ag)	ug/L	0.010	0.010	C074696	0.017	0.010	C074696	<0.010	0.010	C074696
Total Strontium (Sr)	ug/L	35.5 (1)	0.050	C074696	40.3	0.050	C074696	34.3	0.050	C074696
Total Tellurium (Te)	ug/L	0.028	0.020	C074696	0.029	0.020	C074696	0.028	0.020	C074696
Total Thallium (Tl)	ug/L	0.0240	0.0020	C074696	0.0270	0.0020	C074696	0.0270	0.0020	C074696
Total Thorium (Th)	ug/L	0.081	0.050	C074696	0.117	0.050	C074696	0.133	0.050	C074696
Total Tin (Sn)	ug/L	<0.20	0.20	C074696	<0.20	0.20	C074696	<0.20	0.20	C074696
Total Titanium (Ti)	ug/L	157	2.0	C074696	171	2.0	C074696	181	2.0	C074696
Total Uranium (U)	ug/L	0.0880	0.0050	C074696	0.104	0.0050	C074696	0.0880	0.0050	C074696
Total Vanadium (V)	ug/L	6.21	0.20	C074696	6.67	0.20	C074696	6.65	0.20	C074696
Total Zinc (Zn)	ug/L	8.7	1.0	C074696	9.2	1.0	C074696	8.9	1.0	C074696
Total Zirconium (Zr)	ug/L	0.35	0.10	C074696	0.53	0.10	C074696	0.27	0.10	C074696
Total Calcium (Ca)	mg/L	3.84	0.25	C071306				3.32	0.25	C071306
Total Magnesium (Mg)	mg/L	1.41	0.25	C071306				1.49	0.25	C071306
Total Potassium (K)	mg/L	1.33	0.25	C071306				1.37	0.25	C071306
Total Sodium (Na)	mg/L	1.46	0.25	C071306				1.30	0.25	C071306
Total Sulphur (S)	mg/L	<3.0	3.0	C071306				<3.0	3.0	C071306

RDL = Reportable Detection Limit

Lab-Dup = Laboratory Initiated Duplicate

(1) Matrix spike exceeds acceptance limits due to matrix interference.



Bureau Veritas Job #: C575044
Report Date: 2025/09/10

HATFIELD CONSULTANTS
Client Project #: Fortis11234/PE-110163
Site Location: Woodfibre Pipeline Project
Your P.O. #: 4800010213
Sampler Initials: WS

ELEMENTS BY ATOMIC SPECTROSCOPY (WATER)

Bureau Veritas ID		DSB229			DSB230	DSB231		
Sampling Date		2025/09/02			2025/09/02	2025/09/02		
COC Number		112678			112678	112678		
	UNITS	SQRI-DS Lab-Dup	RDL	QC Batch	Field Blank	Trip Blank	RDL	QC Batch
ANIONS								
Bromide (Br)	mg/L	<0.010	0.010	C077576	<0.010	<0.010	0.010	C077576
Dissolved Metals by ICPMS								
Dissolved Calcium (Ca)	mg/L				<0.050	<0.050	0.050	C071305
Dissolved Magnesium (Mg)	mg/L				<0.050	<0.050	0.050	C071305
Dissolved Potassium (K)	mg/L				<0.050	<0.050	0.050	C071305
Dissolved Sodium (Na)	mg/L				<0.050	<0.050	0.050	C071305
Dissolved Sulphur (S)	mg/L				<3.0	<3.0	3.0	C071305
Lab Filtered Metals								
Dissolved Aluminum (Al)	ug/L				<0.50	<0.50	0.50	C074687
Dissolved Antimony (Sb)	ug/L				<0.020	<0.020	0.020	C074687
Dissolved Arsenic (As)	ug/L				<0.020	<0.020	0.020	C074687
Dissolved Barium (Ba)	ug/L				<0.020	<0.020	0.020	C074687
Dissolved Beryllium (Be)	ug/L				<0.010	<0.010	0.010	C074687
Dissolved Bismuth (Bi)	ug/L				<0.0050	<0.0050	0.0050	C074687
Dissolved Boron (B)	ug/L				<10	<10	10	C074687
Dissolved Cadmium (Cd)	ug/L				<0.0050	<0.0050	0.0050	C074687
Dissolved Cesium (Cs)	ug/L				<0.050	<0.050	0.050	C074687
Dissolved Chromium (Cr)	ug/L				<0.10	<0.10	0.10	C074687
Dissolved Cobalt (Co)	ug/L				<0.0050	<0.0050	0.0050	C074687
Dissolved Copper (Cu)	ug/L				<0.050	<0.050	0.050	C074687
Dissolved Iron (Fe)	ug/L				<1.0	<1.0	1.0	C074687
Dissolved Lead (Pb)	ug/L				<0.0050	<0.0050	0.0050	C074687
Dissolved Lithium (Li)	ug/L				<0.50	<0.50	0.50	C074687
Dissolved Manganese (Mn)	ug/L				<0.050	<0.050	0.050	C074687
Dissolved Molybdenum (Mo)	ug/L				<0.050	<0.050	0.050	C074687
Dissolved Nickel (Ni)	ug/L				<0.020	<0.020	0.020	C074687
Dissolved Phosphorus (P)	ug/L				<2.0	<2.0	2.0	C074687
Dissolved Rubidium (Rb)	ug/L				<0.050	<0.050	0.050	C074687
Dissolved Selenium (Se)	ug/L				<0.040	<0.040	0.040	C074687
Dissolved Silicon (Si)	ug/L				<50	<50	50	C074687
Dissolved Silver (Ag)	ug/L				<0.0050	<0.0050	0.0050	C074687
RDL = Reportable Detection Limit								
Lab-Dup = Laboratory Initiated Duplicate								



Bureau Veritas Job #: C575044
Report Date: 2025/09/10

HATFIELD CONSULTANTS
Client Project #: Fortis11234/PE-110163
Site Location: Woodfibre Pipeline Project
Your P.O. #: 4800010213
Sampler Initials: WS

ELEMENTS BY ATOMIC SPECTROSCOPY (WATER)

Bureau Veritas ID		DSB229			DSB230	DSB231		
Sampling Date		2025/09/02			2025/09/02	2025/09/02		
COC Number		112678			112678	112678		
	UNITS	SQRI-DS Lab-Dup	RDL	QC Batch	Field Blank	Trip Blank	RDL	QC Batch
Dissolved Strontium (Sr)	ug/L				<0.050	<0.050	0.050	C074687
Dissolved Tellurium (Te)	ug/L				<0.020	<0.020	0.020	C074687
Dissolved Thallium (Tl)	ug/L				<0.0020	<0.0020	0.0020	C074687
Dissolved Thorium (Th)	ug/L				<0.0050	<0.0050	0.0050	C074687
Dissolved Tin (Sn)	ug/L				<0.20	<0.20	0.20	C074687
Dissolved Titanium (Ti)	ug/L				<0.50	<0.50	0.50	C074687
Dissolved Uranium (U)	ug/L				0.0027	<0.0020	0.0020	C074687
Dissolved Vanadium (V)	ug/L				<0.20	<0.20	0.20	C074687
Dissolved Zinc (Zn)	ug/L				<0.10	<0.10	0.10	C074687
Dissolved Zirconium (Zr)	ug/L				<0.10	<0.10	0.10	C074687
Total Metals by ICPMS								
Total Aluminum (Al)	ug/L				<0.50	<0.50	0.50	C074643
Total Antimony (Sb)	ug/L				<0.020	<0.020	0.020	C074643
Total Arsenic (As)	ug/L				<0.020	<0.020	0.020	C074643
Total Barium (Ba)	ug/L				<0.020	<0.020	0.020	C074643
Total Beryllium (Be)	ug/L				<0.010	<0.010	0.010	C074643
Total Bismuth (Bi)	ug/L				<0.0050	<0.0050	0.0050	C074643
Total Boron (B)	ug/L				<10	<10	10	C074643
Total Cadmium (Cd)	ug/L				<0.0050	<0.0050	0.0050	C074643
Total Cesium (Cs)	ug/L				<0.050	<0.050	0.050	C074643
Total Chromium (Cr)	ug/L				<0.10	<0.10	0.10	C074643
Total Cobalt (Co)	ug/L				<0.0050	<0.0050	0.0050	C074643
Total Copper (Cu)	ug/L				<0.050	<0.050	0.050	C074643
Total Iron (Fe)	ug/L				<1.0	<1.0	1.0	C074643
Total Lead (Pb)	ug/L				<0.0050	<0.0050	0.0050	C074643
Total Lithium (Li)	ug/L				<0.50	<0.50	0.50	C074643
Total Manganese (Mn)	ug/L				<0.050	<0.050	0.050	C074643
Total Molybdenum (Mo)	ug/L				<0.050	<0.050	0.050	C074643
Total Nickel (Ni)	ug/L				<0.020	<0.020	0.020	C074643
Total Phosphorus (P)	ug/L				<2.0	<2.0	2.0	C074643
Total Rubidium (Rb)	ug/L				<0.050	<0.050	0.050	C074643
Total Selenium (Se)	ug/L				<0.040	<0.040	0.040	C074643
RDL = Reportable Detection Limit								
Lab-Dup = Laboratory Initiated Duplicate								



Bureau Veritas Job #: C575044
Report Date: 2025/09/10

HATFIELD CONSULTANTS
Client Project #: Fortis11234/PE-110163
Site Location: Woodfibre Pipeline Project
Your P.O. #: 4800010213
Sampler Initials: WS

ELEMENTS BY ATOMIC SPECTROSCOPY (WATER)

Bureau Veritas ID		DSB229			DSB230	DSB231		
Sampling Date		2025/09/02			2025/09/02	2025/09/02		
COC Number		112678			112678	112678		
	UNITS	SQRI-DS Lab-Dup	RDL	QC Batch	Field Blank	Trip Blank	RDL	QC Batch
Total Silicon (Si)	ug/L				<50	<50	50	C074643
Total Silver (Ag)	ug/L				<0.0050	<0.0050	0.0050	C074643
Total Strontium (Sr)	ug/L				0.052	<0.050	0.050	C074643
Total Tellurium (Te)	ug/L				<0.020	<0.020	0.020	C074643
Total Thallium (Tl)	ug/L				<0.0020	<0.0020	0.0020	C074643
Total Thorium (Th)	ug/L				<0.050	<0.050	0.050	C074643
Total Tin (Sn)	ug/L				<0.20	<0.20	0.20	C074643
Total Titanium (Ti)	ug/L				<0.50	<0.50	0.50	C074643
Total Uranium (U)	ug/L				0.0021	<0.0020	0.0020	C074643
Total Vanadium (V)	ug/L				<0.20	<0.20	0.20	C074643
Total Zinc (Zn)	ug/L				<0.10	<0.10	0.10	C074643
Total Zirconium (Zr)	ug/L				<0.10	<0.10	0.10	C074643
Total Calcium (Ca)	mg/L				<0.050	<0.050	0.050	C071306
Total Magnesium (Mg)	mg/L				<0.050	<0.050	0.050	C071306
Total Potassium (K)	mg/L				<0.050	<0.050	0.050	C071306
Total Sodium (Na)	mg/L				<0.050	<0.050	0.050	C071306
Total Sulphur (S)	mg/L				<3.0	<3.0	3.0	C071306
RDL = Reportable Detection Limit								
Lab-Dup = Laboratory Initiated Duplicate								



Bureau Veritas Job #: C575044
Report Date: 2025/09/10

HATFIELD CONSULTANTS
Client Project #: Fortis11234/PE-110163
Site Location: Woodfibre Pipeline Project
Your P.O. #: 4800010213
Sampler Initials: WS

MISCELLANEOUS (WATER)

Bureau Veritas ID		DSB225	DSB226		DSB227		DSB228		
Sampling Date		2025/09/02	2025/09/02		2025/09/02		2025/09/02		
COC Number		112678	112678		112678		112678		
	UNITS	WLNG-DS	WLNG -EOP	QC Batch	WLNG-US	QC Batch	SQRI-US	RDL	QC Batch

Calculated Parameters									
Total Un-ionized Hydrogen Sulfide as S	mg/L	<0.0018	<0.0018	C072000	<0.0018	C071999	0.0092	0.0018	C072000
Total Un-ionized Hydrogen Sulfide as H2S	mg/L	<0.0019	<0.0019	C072000	<0.0019	C071999	0.0098	0.0019	C072000
RDL = Reportable Detection Limit									

Bureau Veritas ID		DSB229		
Sampling Date		2025/09/02		
COC Number		112678		
	UNITS	SQRI-DS	RDL	QC Batch

Calculated Parameters				
Total Un-ionized Hydrogen Sulfide as S	mg/L	0.0038	0.0018	C071999
Total Un-ionized Hydrogen Sulfide as H2S	mg/L	0.0040	0.0019	C071999
RDL = Reportable Detection Limit				



LEPH & HEPH WITH CSR/CCME PAH IN WATER (WATER)

Bureau Veritas ID		DSB226		
Sampling Date		2025/09/02		
COC Number		112678		
	UNITS	WLNG -EOP	RDL	QC Batch
Calculated Parameters				
Low Molecular Weight PAH's	ug/L	<0.10	0.10	C071454
High Molecular Weight PAH's	ug/L	<0.050	0.050	C071454
Total PAH	ug/L	<0.10	0.10	C071454
Polycyclic Aromatics				
Quinoline	ug/L	<0.020	0.020	C077631
Naphthalene	ug/L	<0.10	0.10	C077631
1-Methylnaphthalene	ug/L	<0.050	0.050	C077631
2-Methylnaphthalene	ug/L	<0.10	0.10	C077631
Acenaphthylene	ug/L	<0.050	0.050	C077631
Acenaphthene	ug/L	<0.050	0.050	C077631
Fluorene	ug/L	<0.050	0.050	C077631
Phenanthrene	ug/L	<0.050	0.050	C077631
Anthracene	ug/L	<0.010	0.010	C077631
Acridine	ug/L	<0.050	0.050	C077631
Fluoranthene	ug/L	<0.020	0.020	C077631
Pyrene	ug/L	<0.020	0.020	C077631
Benzo(a)anthracene	ug/L	<0.010	0.010	C077631
Chrysene	ug/L	<0.020	0.020	C077631
Benzo(b&j)fluoranthene	ug/L	<0.030	0.030	C077631
Benzo(k)fluoranthene	ug/L	<0.050	0.050	C077631
Benzo(a)pyrene	ug/L	<0.0050	0.0050	C077631
Indeno(1,2,3-cd)pyrene	ug/L	<0.050	0.050	C077631
Dibenz(a,h)anthracene	ug/L	<0.0030	0.0030	C077631
Benzo(g,h,i)perylene	ug/L	<0.050	0.050	C077631
Calculated Parameters				
LEPH (C10-C19 less PAH)	mg/L	<0.20	0.20	C071459
HEPH (C19-C32 less PAH)	mg/L	<0.20	0.20	C071459
Ext. Pet. Hydrocarbon				
EPH (C10-C19)	mg/L	<0.20	0.20	C077638
EPH (C19-C32)	mg/L	<0.20	0.20	C077638
Surrogate Recovery (%)				
O-TERPHENYL (sur.)	%	91		C077638
RDL = Reportable Detection Limit				



Bureau Veritas Job #: C575044
Report Date: 2025/09/10

HATFIELD CONSULTANTS
Client Project #: Fortis11234/PE-110163
Site Location: Woodfibre Pipeline Project
Your P.O. #: 4800010213
Sampler Initials: WS

LEPH & HEPH WITH CSR/CCME PAH IN WATER (WATER)

Bureau Veritas ID		DSB226		
Sampling Date		2025/09/02		
COC Number		112678		
	UNITS	WLNG -EOP	RDL	QC Batch
D10-ANTHRACENE (sur.)	%	78		C077631
D8-ACENAPHTHYLENE (sur.)	%	76		C077631
D8-NAPHTHALENE (sur.)	%	66		C077631
TERPHENYL-D14 (sur.)	%	70		C077631
RDL = Reportable Detection Limit				



CSR VOC + VPH IN WATER (WATER)

Bureau Veritas ID		DSB226		
Sampling Date		2025/09/02		
COC Number		112678		
	UNITS	WLNG -EOP	RDL	QC Batch
Calculated Parameters				
VPH (VH6 to 10 - BTEX)	ug/L	<300	300	C072104
Volatiles				
VH C6-C10	ug/L	<300	300	C075579
1,1,1,2-tetrachloroethane	ug/L	<0.50	0.50	C075579
1,1,1-trichloroethane	ug/L	<0.50	0.50	C075579
1,1,2,2-tetrachloroethane	ug/L	<0.50	0.50	C075579
1,1,2Trichloro-1,2,2Trifluoroethane	ug/L	<2.0	2.0	C075579
1,1,2-trichloroethane	ug/L	<0.50	0.50	C075579
1,1-dichloroethane	ug/L	<0.50	0.50	C075579
1,1-dichloroethene	ug/L	<0.50	0.50	C075579
1,2,3-trichlorobenzene	ug/L	<2.0	2.0	C075579
1,2,4-trichlorobenzene	ug/L	<2.0	2.0	C075579
1,2-dibromoethane	ug/L	<0.20	0.20	C075579
1,2-dichlorobenzene	ug/L	<0.50	0.50	C075579
1,2-dichloroethane	ug/L	<0.50	0.50	C075579
1,2-dichloropropane	ug/L	<0.50	0.50	C075579
1,3,5-trimethylbenzene	ug/L	<2.0	2.0	C075579
1,3-Butadiene	ug/L	<0.50	0.50	C075579
1,3-dichlorobenzene	ug/L	<0.50	0.50	C075579
1,3-dichloropropane	ug/L	<1.0	1.0	C075579
1,4-dichlorobenzene	ug/L	<0.50	0.50	C075579
Benzene	ug/L	<0.40	0.40	C075579
Bromobenzene	ug/L	<2.0	2.0	C075579
Bromodichloromethane	ug/L	<1.0	1.0	C075579
Bromoform	ug/L	<1.0	1.0	C075579
Bromomethane	ug/L	<1.0	1.0	C075579
Carbon tetrachloride	ug/L	<0.50	0.50	C075579
Chlorobenzene	ug/L	<0.50	0.50	C075579
Dibromochloromethane	ug/L	<1.0	1.0	C075579
Chloroethane	ug/L	<1.0	1.0	C075579
Chloroform	ug/L	<1.0	1.0	C075579
Chloromethane	ug/L	<1.0	1.0	C075579
RDL = Reportable Detection Limit				



Bureau Veritas Job #: C575044
Report Date: 2025/09/10

HATFIELD CONSULTANTS
Client Project #: Fortis11234/PE-110163
Site Location: Woodfibre Pipeline Project
Your P.O. #: 4800010213
Sampler Initials: WS

CSR VOC + VPH IN WATER (WATER)

Bureau Veritas ID		DSB226		
Sampling Date		2025/09/02		
COC Number		112678		
	UNITS	WLNG -EOP	RDL	QC Batch
cis-1,2-dichloroethene	ug/L	<1.0	1.0	C075579
cis-1,3-dichloropropene	ug/L	<1.0	1.0	C075579
Dichlorodifluoromethane	ug/L	<2.0	2.0	C075579
Dichloromethane	ug/L	<2.0	2.0	C075579
Ethylbenzene	ug/L	<0.40	0.40	C075579
Hexachlorobutadiene	ug/L	<0.50	0.50	C075579
Isopropylbenzene	ug/L	<2.0	2.0	C075579
Methyl-tert-butylether (MTBE)	ug/L	<4.0	4.0	C075579
Styrene	ug/L	<0.50	0.50	C075579
Tetrachloroethene	ug/L	<0.50	0.50	C075579
Toluene	ug/L	<0.40	0.40	C075579
trans-1,2-dichloroethene	ug/L	<1.0	1.0	C075579
trans-1,3-dichloropropene	ug/L	<1.0	1.0	C075579
Trichloroethene	ug/L	<0.50	0.50	C075579
Trichlorofluoromethane	ug/L	<4.0	4.0	C075579
Vinyl chloride	ug/L	<0.50	0.50	C075579
m & p-Xylene	ug/L	<0.40	0.40	C075579
o-Xylene	ug/L	<0.40	0.40	C075579
Xylenes (Total)	ug/L	<0.40	0.40	C075579
Surrogate Recovery (%)				
1,4-Difluorobenzene (sur.)	%	101		C075579
4-Bromofluorobenzene (sur.)	%	89		C075579
D4-1,2-Dichloroethane (sur.)	%	82		C075579
RDL = Reportable Detection Limit				



Bureau Veritas Job #: C575044
Report Date: 2025/09/10

HATFIELD CONSULTANTS
Client Project #: Fortis11234/PE-110163
Site Location: Woodfibre Pipeline Project
Your P.O. #: 4800010213
Sampler Initials: WS

GENERAL COMMENTS

Results relate only to the items tested.



Bureau Veritas Job #: C575044
Report Date: 2025/09/10

HATFIELD CONSULTANTS
Client Project #: Fortis11234/PE-110163
Site Location: Woodfibre Pipeline Project
Your P.O. #: 4800010213
Sampler Initials: WS

QUALITY ASSURANCE REPORT

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
C072825	JAV	Matrix Spike	Total Organic Carbon (C)	2025/09/04		105	%	80 - 120
C072825	JAV	Spiked Blank	Total Organic Carbon (C)	2025/09/04		102	%	80 - 120
C072825	JAV	Method Blank	Total Organic Carbon (C)	2025/09/04	<0.50		mg/L	
C072825	JAV	RPD	Total Organic Carbon (C)	2025/09/04	NC		%	20
C073570	JLP	Matrix Spike	Chloride (Cl)	2025/09/04		109	%	80 - 120
			Sulphate (SO4)	2025/09/04		97	%	80 - 120
C073570	JLP	Spiked Blank	Chloride (Cl)	2025/09/04		102	%	80 - 120
			Sulphate (SO4)	2025/09/04		95	%	80 - 120
C073570	JLP	Method Blank	Chloride (Cl)	2025/09/04	<1.0		mg/L	
			Sulphate (SO4)	2025/09/04	<1.0		mg/L	
C073570	JLP	RPD	Chloride (Cl)	2025/09/04	NC		%	20
			Sulphate (SO4)	2025/09/04	NC		%	20
C073589	BTM	Spiked Blank	pH	2025/09/04		100	%	97 - 103
C073589	BTM	RPD	pH	2025/09/04	0.49		%	N/A
C073670	BTM	Spiked Blank	Alkalinity (Total as CaCO3)	2025/09/04		93	%	80 - 120
C073670	BTM	Method Blank	Alkalinity (PP as CaCO3)	2025/09/04	<1.0		mg/L	
			Alkalinity (Total as CaCO3)	2025/09/04	<1.0		mg/L	
			Bicarbonate (HCO3)	2025/09/04	<1.0		mg/L	
			Carbonate (CO3)	2025/09/04	<1.0		mg/L	
			Hydroxide (OH)	2025/09/04	<1.0		mg/L	
C073670	BTM	RPD	Alkalinity (PP as CaCO3)	2025/09/04	NC		%	20
			Alkalinity (Total as CaCO3)	2025/09/04	3.2		%	20
			Bicarbonate (HCO3)	2025/09/04	3.2		%	20
			Carbonate (CO3)	2025/09/04	NC		%	20
			Hydroxide (OH)	2025/09/04	NC		%	20
C073679	BTM	Spiked Blank	pH	2025/09/04		100	%	97 - 103
C073679	BTM	RPD	pH	2025/09/04	1.4		%	N/A
C073705	CBK	Matrix Spike [DSB225-01]	Dissolved Organic Carbon (C)	2025/09/05		106	%	80 - 120
C073705	CBK	Spiked Blank	Dissolved Organic Carbon (C)	2025/09/05		102	%	80 - 120
C073705	CBK	Method Blank	Dissolved Organic Carbon (C)	2025/09/05	<0.50		mg/L	
C073705	CBK	RPD [DSB225-01]	Dissolved Organic Carbon (C)	2025/09/05	0.12		%	20
C073854	JLP	Matrix Spike	Chloride (Cl)	2025/09/05		102	%	80 - 120
			Sulphate (SO4)	2025/09/05		102	%	80 - 120
C073854	JLP	Spiked Blank	Chloride (Cl)	2025/09/05		100	%	80 - 120
			Sulphate (SO4)	2025/09/05		102	%	80 - 120
C073854	JLP	Method Blank	Chloride (Cl)	2025/09/05	<1.0		mg/L	
			Sulphate (SO4)	2025/09/05	<1.0		mg/L	
C073854	JLP	RPD	Chloride (Cl)	2025/09/05	0.28		%	20
			Sulphate (SO4)	2025/09/05	2.1		%	20
C073980	BB3	Matrix Spike	Total Ammonia (N)	2025/09/04		NC	%	80 - 120
C073980	BB3	Spiked Blank	Total Ammonia (N)	2025/09/04		104	%	80 - 120
C073980	BB3	Method Blank	Total Ammonia (N)	2025/09/04	<0.015		mg/L	
C073980	BB3	RPD	Total Ammonia (N)	2025/09/04	0.19		%	20
C074018	NKT	Matrix Spike	Total Phosphorus (P)	2025/09/05		120	%	N/A
C074018	NKT	Spiked Blank	Total Phosphorus (P)	2025/09/05		100	%	80 - 120
C074018	NKT	Method Blank	Total Phosphorus (P)	2025/09/05	<0.0010		mg/L	
C074018	NKT	RPD	Total Phosphorus (P)	2025/09/05	NC		%	20
C074643	AA1	Matrix Spike	Total Aluminum (Al)	2025/09/06		101	%	80 - 120
			Total Antimony (Sb)	2025/09/06		103	%	80 - 120
			Total Arsenic (As)	2025/09/06		101	%	80 - 120
			Total Barium (Ba)	2025/09/06		101	%	80 - 120
			Total Beryllium (Be)	2025/09/06		101	%	80 - 120



Bureau Veritas Job #: C575044
Report Date: 2025/09/10

HATFIELD CONSULTANTS
Client Project #: Fortis11234/PE-110163
Site Location: Woodfibre Pipeline Project
Your P.O. #: 4800010213
Sampler Initials: WS

QUALITY ASSURANCE REPORT(CONT'D)

QA/QC	Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
C074643	AA1	Spiked Blank		Total Bismuth (Bi)	2025/09/06		96	%	80 - 120
				Total Boron (B)	2025/09/06		106	%	80 - 120
				Total Cadmium (Cd)	2025/09/06		100	%	80 - 120
				Total Cesium (Cs)	2025/09/06		99	%	80 - 120
				Total Chromium (Cr)	2025/09/06		99	%	80 - 120
				Total Cobalt (Co)	2025/09/06		99	%	80 - 120
				Total Copper (Cu)	2025/09/06		98	%	80 - 120
				Total Iron (Fe)	2025/09/06		101	%	80 - 120
				Total Lead (Pb)	2025/09/06		94	%	80 - 120
				Total Lithium (Li)	2025/09/06		99	%	80 - 120
				Total Manganese (Mn)	2025/09/06		99	%	80 - 120
				Total Molybdenum (Mo)	2025/09/06		99	%	80 - 120
				Total Nickel (Ni)	2025/09/06		98	%	80 - 120
				Total Phosphorus (P)	2025/09/06		105	%	80 - 120
				Total Rubidium (Rb)	2025/09/06		97	%	80 - 120
				Total Selenium (Se)	2025/09/06		97	%	80 - 120
				Total Silicon (Si)	2025/09/06		96	%	80 - 120
				Total Silver (Ag)	2025/09/06		99	%	80 - 120
				Total Strontium (Sr)	2025/09/06		101	%	80 - 120
				Total Tellurium (Te)	2025/09/06		100	%	80 - 120
				Total Thallium (Tl)	2025/09/06		96	%	80 - 120
				Total Thorium (Th)	2025/09/06		97	%	80 - 120
				Total Tin (Sn)	2025/09/06		104	%	80 - 120
				Total Titanium (Ti)	2025/09/06		102	%	80 - 120
				Total Uranium (U)	2025/09/06		99	%	80 - 120
				Total Vanadium (V)	2025/09/06		99	%	80 - 120
				Total Zinc (Zn)	2025/09/06		100	%	80 - 120
				Total Zirconium (Zr)	2025/09/06		103	%	80 - 120
				Total Aluminum (Al)	2025/09/06		108	%	80 - 120
				Total Antimony (Sb)	2025/09/06		103	%	80 - 120
				Total Arsenic (As)	2025/09/06		104	%	80 - 120
				Total Barium (Ba)	2025/09/06		101	%	80 - 120
				Total Beryllium (Be)	2025/09/06		102	%	80 - 120
				Total Bismuth (Bi)	2025/09/06		101	%	80 - 120
				Total Boron (B)	2025/09/06		108	%	80 - 120
				Total Cadmium (Cd)	2025/09/06		103	%	80 - 120
				Total Cesium (Cs)	2025/09/06		101	%	80 - 120
				Total Chromium (Cr)	2025/09/06		101	%	80 - 120
				Total Cobalt (Co)	2025/09/06		101	%	80 - 120
				Total Copper (Cu)	2025/09/06		99	%	80 - 120
				Total Iron (Fe)	2025/09/06		104	%	80 - 120
				Total Lead (Pb)	2025/09/06		97	%	80 - 120
				Total Lithium (Li)	2025/09/06		102	%	80 - 120
				Total Manganese (Mn)	2025/09/06		103	%	80 - 120
				Total Molybdenum (Mo)	2025/09/06		106	%	80 - 120
				Total Nickel (Ni)	2025/09/06		100	%	80 - 120
				Total Phosphorus (P)	2025/09/06		108	%	80 - 120
				Total Rubidium (Rb)	2025/09/06		103	%	80 - 120
				Total Selenium (Se)	2025/09/06		100	%	80 - 120
				Total Silicon (Si)	2025/09/06		105	%	80 - 120
				Total Silver (Ag)	2025/09/06		101	%	80 - 120
				Total Strontium (Sr)	2025/09/06		105	%	80 - 120



Bureau Veritas Job #: C575044
Report Date: 2025/09/10

HATFIELD CONSULTANTS
Client Project #: Fortis11234/PE-110163
Site Location: Woodfibre Pipeline Project
Your P.O. #: 4800010213
Sampler Initials: WS

QUALITY ASSURANCE REPORT(CONT'D)

QA/QC	Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
C074643	AA1	Method Blank		Total Tellurium (Te)	2025/09/06		107	%	80 - 120
				Total Thallium (Tl)	2025/09/06		100	%	80 - 120
				Total Thorium (Th)	2025/09/06		101	%	80 - 120
				Total Tin (Sn)	2025/09/06		100	%	80 - 120
				Total Titanium (Ti)	2025/09/06		103	%	80 - 120
				Total Uranium (U)	2025/09/06		103	%	80 - 120
				Total Vanadium (V)	2025/09/06		101	%	80 - 120
				Total Zinc (Zn)	2025/09/06		103	%	80 - 120
				Total Zirconium (Zr)	2025/09/06		106	%	80 - 120
				Total Aluminum (Al)	2025/09/06	<0.50		ug/L	
				Total Antimony (Sb)	2025/09/06	<0.020		ug/L	
				Total Arsenic (As)	2025/09/06	<0.020		ug/L	
				Total Barium (Ba)	2025/09/06	<0.020		ug/L	
				Total Beryllium (Be)	2025/09/06	<0.010		ug/L	
				Total Bismuth (Bi)	2025/09/06	<0.0050		ug/L	
				Total Boron (B)	2025/09/06	<10		ug/L	
				Total Cadmium (Cd)	2025/09/06	<0.0050		ug/L	
				Total Cesium (Cs)	2025/09/06	<0.050		ug/L	
				Total Chromium (Cr)	2025/09/06	<0.10		ug/L	
				Total Cobalt (Co)	2025/09/06	<0.0050		ug/L	
				Total Copper (Cu)	2025/09/06	<0.050		ug/L	
				Total Iron (Fe)	2025/09/06	<1.0		ug/L	
				Total Lead (Pb)	2025/09/06	<0.0050		ug/L	
				Total Lithium (Li)	2025/09/06	<0.50		ug/L	
				Total Manganese (Mn)	2025/09/06	<0.050		ug/L	
				Total Molybdenum (Mo)	2025/09/06	<0.050		ug/L	
				Total Nickel (Ni)	2025/09/06	<0.020		ug/L	
				Total Phosphorus (P)	2025/09/06	<2.0		ug/L	
				Total Rubidium (Rb)	2025/09/06	<0.050		ug/L	
				Total Selenium (Se)	2025/09/06	<0.040		ug/L	
				Total Silicon (Si)	2025/09/06	<50		ug/L	
				Total Silver (Ag)	2025/09/06	<0.0050		ug/L	
				Total Strontium (Sr)	2025/09/06	<0.050		ug/L	
				Total Tellurium (Te)	2025/09/06	<0.020		ug/L	
				Total Thallium (Tl)	2025/09/06	<0.0020		ug/L	
				Total Thorium (Th)	2025/09/06	<0.050		ug/L	
				Total Tin (Sn)	2025/09/06	<0.20		ug/L	
				Total Titanium (Ti)	2025/09/06	<0.50		ug/L	
				Total Uranium (U)	2025/09/06	<0.0020		ug/L	
				Total Vanadium (V)	2025/09/06	<0.20		ug/L	
				Total Zinc (Zn)	2025/09/06	<0.10		ug/L	
C074643	AA1	RPD		Total Zirconium (Zr)	2025/09/06	<0.10		ug/L	
				Total Aluminum (Al)	2025/09/06	0.0022		%	20
				Total Antimony (Sb)	2025/09/06	NC		%	20
				Total Arsenic (As)	2025/09/06	4.6		%	20
				Total Barium (Ba)	2025/09/06	1.9		%	20
				Total Beryllium (Be)	2025/09/06	NC		%	20
				Total Bismuth (Bi)	2025/09/06	NC		%	20
				Total Boron (B)	2025/09/06	NC		%	20
				Total Cadmium (Cd)	2025/09/06	2.6		%	20
C074643	AA1	RPD		Total Chromium (Cr)	2025/09/06	NC		%	20
				Total Cobalt (Co)	2025/09/06	NC		%	20



Bureau Veritas Job #: C575044
Report Date: 2025/09/10

HATFIELD CONSULTANTS
Client Project #: Fortis11234/PE-110163
Site Location: Woodfibre Pipeline Project
Your P.O. #: 4800010213
Sampler Initials: WS

QUALITY ASSURANCE REPORT(CONT'D)

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
			Total Copper (Cu)	2025/09/06	1.7		%	20
			Total Iron (Fe)	2025/09/06	1.1		%	20
			Total Lead (Pb)	2025/09/06	0.067		%	20
			Total Lithium (Li)	2025/09/06	NC		%	20
			Total Manganese (Mn)	2025/09/06	4.3		%	20
			Total Molybdenum (Mo)	2025/09/06	4.5		%	20
			Total Nickel (Ni)	2025/09/06	8.1		%	20
			Total Phosphorus (P)	2025/09/06	4.1		%	20
			Total Selenium (Se)	2025/09/06	NC		%	20
			Total Silicon (Si)	2025/09/06	1.2		%	20
			Total Silver (Ag)	2025/09/06	NC		%	20
			Total Strontium (Sr)	2025/09/06	4.4		%	20
			Total Thallium (Tl)	2025/09/06	11		%	20
			Total Tin (Sn)	2025/09/06	NC		%	20
			Total Titanium (Ti)	2025/09/06	NC		%	20
			Total Uranium (U)	2025/09/06	0.28		%	20
			Total Vanadium (V)	2025/09/06	4.5		%	20
			Total Zinc (Zn)	2025/09/06	3.7		%	20
			Total Zirconium (Zr)	2025/09/06	NC		%	20
			Total Aluminum (Al)	2025/09/06	NC		%	20
			Total Antimony (Sb)	2025/09/06	NC		%	20
			Total Arsenic (As)	2025/09/06	NC		%	20
			Total Barium (Ba)	2025/09/06	NC		%	20
			Total Beryllium (Be)	2025/09/06	NC		%	20
			Total Bismuth (Bi)	2025/09/06	NC		%	20
			Total Boron (B)	2025/09/06	NC		%	20
			Total Cadmium (Cd)	2025/09/06	NC		%	20
			Total Chromium (Cr)	2025/09/06	NC		%	20
			Total Cobalt (Co)	2025/09/06	NC		%	20
			Total Copper (Cu)	2025/09/06	NC		%	20
			Total Iron (Fe)	2025/09/06	NC		%	20
			Total Lead (Pb)	2025/09/06	12		%	20
			Total Lithium (Li)	2025/09/06	NC		%	20
			Total Manganese (Mn)	2025/09/06	NC		%	20
			Total Molybdenum (Mo)	2025/09/06	NC		%	20
			Total Nickel (Ni)	2025/09/06	NC		%	20
			Total Phosphorus (P)	2025/09/06	2.1		%	20
			Total Selenium (Se)	2025/09/06	NC		%	20
			Total Silicon (Si)	2025/09/06	NC		%	20
			Total Silver (Ag)	2025/09/06	NC		%	20
			Total Strontium (Sr)	2025/09/06	NC		%	20
			Total Thallium (Tl)	2025/09/06	NC		%	20
			Total Tin (Sn)	2025/09/06	NC		%	20
			Total Titanium (Ti)	2025/09/06	NC		%	20
			Total Uranium (U)	2025/09/06	NC		%	20
			Total Vanadium (V)	2025/09/06	NC		%	20
			Total Zinc (Zn)	2025/09/06	20		%	20
			Total Zirconium (Zr)	2025/09/06	NC		%	20
			Total Aluminum (Al)	2025/09/06	6.0		%	20
			Total Antimony (Sb)	2025/09/06	NC		%	20
			Total Arsenic (As)	2025/09/06	NC		%	20
			Total Barium (Ba)	2025/09/06	NC		%	20



Bureau Veritas Job #: C575044
Report Date: 2025/09/10

HATFIELD CONSULTANTS
Client Project #: Fortis11234/PE-110163
Site Location: Woodfibre Pipeline Project
Your P.O. #: 4800010213
Sampler Initials: WS

QUALITY ASSURANCE REPORT(CONT'D)

QA/QC	Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
				Total Beryllium (Be)	2025/09/06	NC		%	20
				Total Bismuth (Bi)	2025/09/06	NC		%	20
				Total Boron (B)	2025/09/06	NC		%	20
				Total Cadmium (Cd)	2025/09/06	NC		%	20
				Total Chromium (Cr)	2025/09/06	NC		%	20
				Total Cobalt (Co)	2025/09/06	NC		%	20
				Total Copper (Cu)	2025/09/06	NC		%	20
				Total Iron (Fe)	2025/09/06	NC		%	20
				Total Lead (Pb)	2025/09/06	NC		%	20
				Total Lithium (Li)	2025/09/06	NC		%	20
				Total Manganese (Mn)	2025/09/06	NC		%	20
				Total Molybdenum (Mo)	2025/09/06	NC		%	20
				Total Nickel (Ni)	2025/09/06	5.2		%	20
				Total Phosphorus (P)	2025/09/06	5.0		%	20
				Total Selenium (Se)	2025/09/06	NC		%	20
				Total Silicon (Si)	2025/09/06	NC		%	20
				Total Silver (Ag)	2025/09/06	NC		%	20
				Total Strontium (Sr)	2025/09/06	NC		%	20
				Total Thallium (Tl)	2025/09/06	NC		%	20
				Total Tin (Sn)	2025/09/06	NC		%	20
				Total Titanium (Ti)	2025/09/06	NC		%	20
				Total Uranium (U)	2025/09/06	NC		%	20
				Total Vanadium (V)	2025/09/06	NC		%	20
				Total Zinc (Zn)	2025/09/06	8.9		%	20
				Total Zirconium (Zr)	2025/09/06	NC		%	20
C074658	CJY		Matrix Spike	Dissolved Fluoride (F)	2025/09/05		NC	%	80 - 120
C074658	CJY		Spiked Blank	Dissolved Fluoride (F)	2025/09/05		97	%	80 - 120
C074658	CJY		Method Blank	Dissolved Fluoride (F)	2025/09/05	<0.050		mg/L	
C074658	CJY		RPD	Fluoride (F)	2025/09/05	NC		%	20
C074687	AA1		Matrix Spike [DSB225-07]	Dissolved Aluminum (Al)	2025/09/06		100	%	80 - 120
				Dissolved Antimony (Sb)	2025/09/06		101	%	80 - 120
				Dissolved Arsenic (As)	2025/09/06		103	%	80 - 120
				Dissolved Barium (Ba)	2025/09/06		99	%	80 - 120
				Dissolved Beryllium (Be)	2025/09/06		103	%	80 - 120
				Dissolved Bismuth (Bi)	2025/09/06		97	%	80 - 120
				Dissolved Boron (B)	2025/09/06		102	%	80 - 120
				Dissolved Cadmium (Cd)	2025/09/06		101	%	80 - 120
				Dissolved Cesium (Cs)	2025/09/06		100	%	80 - 120
				Dissolved Chromium (Cr)	2025/09/06		98	%	80 - 120
				Dissolved Cobalt (Co)	2025/09/06		96	%	80 - 120
				Dissolved Copper (Cu)	2025/09/06		95	%	80 - 120
				Dissolved Iron (Fe)	2025/09/06		102	%	80 - 120
				Dissolved Lead (Pb)	2025/09/06		95	%	80 - 120
				Dissolved Lithium (Li)	2025/09/06		97	%	80 - 120
				Dissolved Manganese (Mn)	2025/09/06		93	%	80 - 120
				Dissolved Molybdenum (Mo)	2025/09/06		NC	%	80 - 120
				Dissolved Nickel (Ni)	2025/09/06		94	%	80 - 120
				Dissolved Phosphorus (P)	2025/09/06		98	%	80 - 120
				Dissolved Rubidium (Rb)	2025/09/06		101	%	80 - 120
				Dissolved Selenium (Se)	2025/09/06		100	%	80 - 120
				Dissolved Silicon (Si)	2025/09/06		NC	%	80 - 120
				Dissolved Silver (Ag)	2025/09/06		101	%	80 - 120



Bureau Veritas Job #: C575044
Report Date: 2025/09/10

HATFIELD CONSULTANTS
Client Project #: Fortis11234/PE-110163
Site Location: Woodfibre Pipeline Project
Your P.O. #: 4800010213
Sampler Initials: WS

QUALITY ASSURANCE REPORT(CONT'D)

QA/QC	Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
C074687	AA1	Spiked Blank		Dissolved Strontium (Sr)	2025/09/06		101	%	80 - 120
				Dissolved Tellurium (Te)	2025/09/06		101	%	80 - 120
				Dissolved Thallium (Tl)	2025/09/06		100	%	80 - 120
				Dissolved Thorium (Th)	2025/09/06		102	%	80 - 120
				Dissolved Tin (Sn)	2025/09/06		102	%	80 - 120
				Dissolved Titanium (Ti)	2025/09/06		98	%	80 - 120
				Dissolved Uranium (U)	2025/09/06		102	%	80 - 120
				Dissolved Vanadium (V)	2025/09/06		99	%	80 - 120
				Dissolved Zinc (Zn)	2025/09/06		98	%	80 - 120
				Dissolved Zirconium (Zr)	2025/09/06		105	%	80 - 120
				Dissolved Aluminum (Al)	2025/09/06		105	%	80 - 120
				Dissolved Antimony (Sb)	2025/09/06		103	%	80 - 120
				Dissolved Arsenic (As)	2025/09/06		105	%	80 - 120
				Dissolved Barium (Ba)	2025/09/06		105	%	80 - 120
				Dissolved Beryllium (Be)	2025/09/06		103	%	80 - 120
				Dissolved Bismuth (Bi)	2025/09/06		103	%	80 - 120
				Dissolved Boron (B)	2025/09/06		106	%	80 - 120
				Dissolved Cadmium (Cd)	2025/09/06		102	%	80 - 120
				Dissolved Cesium (Cs)	2025/09/06		103	%	80 - 120
				Dissolved Chromium (Cr)	2025/09/06		101	%	80 - 120
				Dissolved Cobalt (Co)	2025/09/06		99	%	80 - 120
				Dissolved Copper (Cu)	2025/09/06		99	%	80 - 120
				Dissolved Iron (Fe)	2025/09/06		104	%	80 - 120
				Dissolved Lead (Pb)	2025/09/06		99	%	80 - 120
				Dissolved Lithium (Li)	2025/09/06		101	%	80 - 120
				Dissolved Manganese (Mn)	2025/09/06		100	%	80 - 120
				Dissolved Molybdenum (Mo)	2025/09/06		106	%	80 - 120
				Dissolved Nickel (Ni)	2025/09/06		99	%	80 - 120
				Dissolved Phosphorus (P)	2025/09/06		104	%	80 - 120
				Dissolved Rubidium (Rb)	2025/09/06		104	%	80 - 120
				Dissolved Selenium (Se)	2025/09/06		102	%	80 - 120
				Dissolved Silicon (Si)	2025/09/06		108	%	80 - 120
				Dissolved Silver (Ag)	2025/09/06		102	%	80 - 120
				Dissolved Strontium (Sr)	2025/09/06		105	%	80 - 120
				Dissolved Tellurium (Te)	2025/09/06		115	%	80 - 120
				Dissolved Thallium (Tl)	2025/09/06		102	%	80 - 120
				Dissolved Thorium (Th)	2025/09/06		103	%	80 - 120
				Dissolved Tin (Sn)	2025/09/06		104	%	80 - 120
				Dissolved Titanium (Ti)	2025/09/06		101	%	80 - 120
				Dissolved Uranium (U)	2025/09/06		106	%	80 - 120
				Dissolved Vanadium (V)	2025/09/06		101	%	80 - 120
				Dissolved Zinc (Zn)	2025/09/06		104	%	80 - 120
				Dissolved Zirconium (Zr)	2025/09/06		103	%	80 - 120
C074687	AA1	Method Blank		Dissolved Aluminum (Al)	2025/09/06	<0.50		ug/L	
				Dissolved Antimony (Sb)	2025/09/06	<0.020		ug/L	
				Dissolved Arsenic (As)	2025/09/06	<0.020		ug/L	
				Dissolved Barium (Ba)	2025/09/06	<0.020		ug/L	
				Dissolved Beryllium (Be)	2025/09/06	<0.010		ug/L	
				Dissolved Bismuth (Bi)	2025/09/06	<0.0050		ug/L	
				Dissolved Boron (B)	2025/09/06	<10		ug/L	
				Dissolved Cadmium (Cd)	2025/09/06	<0.0050		ug/L	
				Dissolved Cesium (Cs)	2025/09/06	<0.050		ug/L	



Bureau Veritas Job #: C575044
Report Date: 2025/09/10

HATFIELD CONSULTANTS
Client Project #: Fortis11234/PE-110163
Site Location: Woodfibre Pipeline Project
Your P.O. #: 4800010213
Sampler Initials: WS

QUALITY ASSURANCE REPORT(CONT'D)

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
C074687	AA1	RPD [DSB225-07]	Dissolved Chromium (Cr)	2025/09/06	<0.10		ug/L	
			Dissolved Cobalt (Co)	2025/09/06	<0.0050		ug/L	
			Dissolved Copper (Cu)	2025/09/06	<0.050		ug/L	
			Dissolved Iron (Fe)	2025/09/06	<1.0		ug/L	
			Dissolved Lead (Pb)	2025/09/06	<0.0050		ug/L	
			Dissolved Lithium (Li)	2025/09/06	<0.50		ug/L	
			Dissolved Manganese (Mn)	2025/09/06	<0.050		ug/L	
			Dissolved Molybdenum (Mo)	2025/09/06	<0.050		ug/L	
			Dissolved Nickel (Ni)	2025/09/06	<0.020		ug/L	
			Dissolved Phosphorus (P)	2025/09/06	<2.0		ug/L	
			Dissolved Rubidium (Rb)	2025/09/06	<0.050		ug/L	
			Dissolved Selenium (Se)	2025/09/06	<0.040		ug/L	
			Dissolved Silicon (Si)	2025/09/06	<50		ug/L	
			Dissolved Silver (Ag)	2025/09/06	<0.0050		ug/L	
			Dissolved Strontium (Sr)	2025/09/06	<0.050		ug/L	
			Dissolved Tellurium (Te)	2025/09/06	<0.020		ug/L	
			Dissolved Thallium (Tl)	2025/09/06	<0.0020		ug/L	
			Dissolved Thorium (Th)	2025/09/06	<0.0050		ug/L	
			Dissolved Tin (Sn)	2025/09/06	<0.20		ug/L	
			Dissolved Titanium (Ti)	2025/09/06	<0.50		ug/L	
			Dissolved Uranium (U)	2025/09/06	0.0028, RDL=0.0020 (1)		ug/L	
			Dissolved Vanadium (V)	2025/09/06	<0.20		ug/L	
			Dissolved Zinc (Zn)	2025/09/06	<0.10		ug/L	
			Dissolved Zirconium (Zr)	2025/09/06	<0.10		ug/L	
			Dissolved Aluminum (Al)	2025/09/06	3.4		%	20
			Dissolved Antimony (Sb)	2025/09/06	2.4		%	20
			Dissolved Arsenic (As)	2025/09/06	3.0		%	20
			Dissolved Barium (Ba)	2025/09/06	2.7		%	20
			Dissolved Beryllium (Be)	2025/09/06	NC		%	20
			Dissolved Bismuth (Bi)	2025/09/06	NC		%	20
			Dissolved Boron (B)	2025/09/06	0.044		%	20
			Dissolved Cadmium (Cd)	2025/09/06	3.7		%	20
			Dissolved Cesium (Cs)	2025/09/06	NC		%	20
			Dissolved Chromium (Cr)	2025/09/06	NC		%	20
			Dissolved Cobalt (Co)	2025/09/06	11		%	20
			Dissolved Copper (Cu)	2025/09/06	NC		%	20
			Dissolved Iron (Fe)	2025/09/06	2.9		%	20
			Dissolved Lead (Pb)	2025/09/06	NC		%	20
			Dissolved Lithium (Li)	2025/09/06	1.1		%	20
			Dissolved Manganese (Mn)	2025/09/06	0.42		%	20
			Dissolved Molybdenum (Mo)	2025/09/06	0.80		%	20
			Dissolved Nickel (Ni)	2025/09/06	2.8		%	20
			Dissolved Phosphorus (P)	2025/09/06	NC		%	20
			Dissolved Rubidium (Rb)	2025/09/06	3.5		%	20
			Dissolved Selenium (Se)	2025/09/06	NC		%	20
			Dissolved Silicon (Si)	2025/09/06	1.3		%	20
			Dissolved Silver (Ag)	2025/09/06	NC		%	20
			Dissolved Strontium (Sr)	2025/09/06	0.49		%	20
			Dissolved Tellurium (Te)	2025/09/06	NC		%	20
			Dissolved Thallium (Tl)	2025/09/06	4.5		%	20
			Dissolved Thorium (Th)	2025/09/06	NC		%	20



Bureau Veritas Job #: C575044
Report Date: 2025/09/10

HATFIELD CONSULTANTS
Client Project #: Fortis11234/PE-110163
Site Location: Woodfibre Pipeline Project
Your P.O. #: 4800010213
Sampler Initials: WS

QUALITY ASSURANCE REPORT(CONT'D)

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
C074696	MEM	Matrix Spike [DSB229-08]	Dissolved Tin (Sn)	2025/09/06	NC		%	20
			Dissolved Titanium (Ti)	2025/09/06	NC		%	20
			Dissolved Uranium (U)	2025/09/06	0.099		%	20
			Dissolved Vanadium (V)	2025/09/06	NC		%	20
			Dissolved Zinc (Zn)	2025/09/06	0.48		%	20
			Dissolved Zirconium (Zr)	2025/09/06	NC		%	20
			Total Aluminum (Al)	2025/09/06		NC	%	80 - 120
			Total Antimony (Sb)	2025/09/06		101	%	80 - 120
			Total Arsenic (As)	2025/09/06		101	%	80 - 120
			Total Barium (Ba)	2025/09/06		117	%	80 - 120
			Total Beryllium (Be)	2025/09/06		100	%	80 - 120
			Total Bismuth (Bi)	2025/09/06		97	%	80 - 120
			Total Boron (B)	2025/09/06		101	%	80 - 120
			Total Cadmium (Cd)	2025/09/06		100	%	80 - 120
			Total Cesium (Cs)	2025/09/06		99	%	80 - 120
			Total Chromium (Cr)	2025/09/06		100	%	80 - 120
			Total Cobalt (Co)	2025/09/06		99	%	80 - 120
			Total Copper (Cu)	2025/09/06		99	%	80 - 120
			Total Iron (Fe)	2025/09/06		NC	%	80 - 120
			Total Lead (Pb)	2025/09/06		97	%	80 - 120
			Total Lithium (Li)	2025/09/06		97	%	80 - 120
			Total Manganese (Mn)	2025/09/06		NC	%	80 - 120
			Total Molybdenum (Mo)	2025/09/06		100	%	80 - 120
			Total Nickel (Ni)	2025/09/06		100	%	80 - 120
			Total Phosphorus (P)	2025/09/06		102	%	80 - 120
			Total Rubidium (Rb)	2025/09/06		114	%	80 - 120
			Total Selenium (Se)	2025/09/06		102	%	80 - 120
			Total Silicon (Si)	2025/09/06		NC	%	80 - 120
			Total Silver (Ag)	2025/09/06		99	%	80 - 120
			Total Strontium (Sr)	2025/09/06		133 (2)	%	80 - 120
			Total Tellurium (Te)	2025/09/06		93	%	80 - 120
			Total Thallium (Tl)	2025/09/06		99	%	80 - 120
			Total Thorium (Th)	2025/09/06		107	%	80 - 120
			Total Tin (Sn)	2025/09/06		101	%	80 - 120
			Total Titanium (Ti)	2025/09/06		NC	%	80 - 120
			Total Uranium (U)	2025/09/06		103	%	80 - 120
			Total Vanadium (V)	2025/09/06		104	%	80 - 120
			Total Zinc (Zn)	2025/09/06		101	%	80 - 120
			Total Zirconium (Zr)	2025/09/06		119	%	80 - 120
C074696	MEM	Spiked Blank	Total Aluminum (Al)	2025/09/06		100	%	80 - 120
			Total Antimony (Sb)	2025/09/06		102	%	80 - 120
			Total Arsenic (As)	2025/09/06		101	%	80 - 120
			Total Barium (Ba)	2025/09/06		100	%	80 - 120
			Total Beryllium (Be)	2025/09/06		102	%	80 - 120
			Total Bismuth (Bi)	2025/09/06		99	%	80 - 120
			Total Boron (B)	2025/09/06		102	%	80 - 120
			Total Cadmium (Cd)	2025/09/06		102	%	80 - 120
			Total Cesium (Cs)	2025/09/06		98	%	80 - 120
			Total Chromium (Cr)	2025/09/06		102	%	80 - 120
			Total Cobalt (Co)	2025/09/06		101	%	80 - 120
			Total Copper (Cu)	2025/09/06		101	%	80 - 120
			Total Iron (Fe)	2025/09/06		103	%	80 - 120



Bureau Veritas Job #: C575044
Report Date: 2025/09/10

HATFIELD CONSULTANTS
Client Project #: Fortis11234/PE-110163
Site Location: Woodfibre Pipeline Project
Your P.O. #: 4800010213
Sampler Initials: WS

QUALITY ASSURANCE REPORT(CONT'D)

QA/QC	Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
C074696	MEM	Method Blank		Total Lead (Pb)	2025/09/06		97	%	80 - 120
				Total Lithium (Li)	2025/09/06		99	%	80 - 120
				Total Manganese (Mn)	2025/09/06		100	%	80 - 120
				Total Molybdenum (Mo)	2025/09/06		102	%	80 - 120
				Total Nickel (Ni)	2025/09/06		102	%	80 - 120
				Total Phosphorus (P)	2025/09/06		104	%	80 - 120
				Total Rubidium (Rb)	2025/09/06		100	%	80 - 120
				Total Selenium (Se)	2025/09/06		105	%	80 - 120
				Total Silicon (Si)	2025/09/06		108	%	80 - 120
				Total Silver (Ag)	2025/09/06		100	%	80 - 120
				Total Strontium (Sr)	2025/09/06		100	%	80 - 120
				Total Tellurium (Te)	2025/09/06		102	%	80 - 120
				Total Thallium (Tl)	2025/09/06		98	%	80 - 120
				Total Thorium (Th)	2025/09/06		102	%	80 - 120
				Total Tin (Sn)	2025/09/06		105	%	80 - 120
				Total Titanium (Ti)	2025/09/06		95	%	80 - 120
				Total Uranium (U)	2025/09/06		104	%	80 - 120
				Total Vanadium (V)	2025/09/06		101	%	80 - 120
				Total Zinc (Zn)	2025/09/06		100	%	80 - 120
				Total Zirconium (Zr)	2025/09/06		100	%	80 - 120
				Total Aluminum (Al)	2025/09/06	<3.0		ug/L	
				Total Antimony (Sb)	2025/09/06	<0.020		ug/L	
				Total Arsenic (As)	2025/09/06	<0.020		ug/L	
				Total Barium (Ba)	2025/09/06	<0.050		ug/L	
				Total Beryllium (Be)	2025/09/06	<0.010		ug/L	
				Total Bismuth (Bi)	2025/09/06	<0.010		ug/L	
				Total Boron (B)	2025/09/06	<10		ug/L	
				Total Cadmium (Cd)	2025/09/06	<0.0050		ug/L	
				Total Cesium (Cs)	2025/09/06	<0.050		ug/L	
				Total Chromium (Cr)	2025/09/06	<0.10		ug/L	
				Total Cobalt (Co)	2025/09/06	<0.010		ug/L	
				Total Copper (Cu)	2025/09/06	<0.10		ug/L	
				Total Iron (Fe)	2025/09/06	<5.0		ug/L	
				Total Lead (Pb)	2025/09/06	<0.020		ug/L	
				Total Lithium (Li)	2025/09/06	<0.50		ug/L	
				Total Manganese (Mn)	2025/09/06	<0.10		ug/L	
				Total Molybdenum (Mo)	2025/09/06	<0.050		ug/L	
				Total Nickel (Ni)	2025/09/06	<0.10		ug/L	
				Total Phosphorus (P)	2025/09/06	<5.0		ug/L	
				Total Rubidium (Rb)	2025/09/06	<0.050		ug/L	
				Total Selenium (Se)	2025/09/06	<0.040		ug/L	
				Total Silicon (Si)	2025/09/06	<50		ug/L	
				Total Silver (Ag)	2025/09/06	<0.010		ug/L	
				Total Strontium (Sr)	2025/09/06	<0.050		ug/L	
				Total Tellurium (Te)	2025/09/06	<0.020		ug/L	
				Total Thallium (Tl)	2025/09/06	<0.0020		ug/L	
				Total Thorium (Th)	2025/09/06	<0.050		ug/L	
				Total Tin (Sn)	2025/09/06	<0.20		ug/L	
				Total Titanium (Ti)	2025/09/06	<2.0		ug/L	
				Total Uranium (U)	2025/09/06	<0.0050		ug/L	
				Total Vanadium (V)	2025/09/06	<0.20		ug/L	
				Total Zinc (Zn)	2025/09/06	<1.0		ug/L	



Bureau Veritas Job #: C575044
Report Date: 2025/09/10

HATFIELD CONSULTANTS
Client Project #: Fortis11234/PE-110163
Site Location: Woodfibre Pipeline Project
Your P.O. #: 4800010213
Sampler Initials: WS

QUALITY ASSURANCE REPORT(CONT'D)

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
C074696	MEM	RPD [DSB228-08]	Total Zirconium (Zr)	2025/09/06	<0.10		ug/L	
			Total Aluminum (Al)	2025/09/06	17		%	20
			Total Antimony (Sb)	2025/09/06	0		%	20
			Total Arsenic (As)	2025/09/06	14		%	20
			Total Barium (Ba)	2025/09/06	8.5		%	20
			Total Beryllium (Be)	2025/09/06	6.6		%	20
			Total Bismuth (Bi)	2025/09/06	NC		%	20
			Total Boron (B)	2025/09/06	NC		%	20
			Total Cadmium (Cd)	2025/09/06	NC		%	20
			Total Cesium (Cs)	2025/09/06	8.8		%	20
			Total Chromium (Cr)	2025/09/06	9.4		%	20
			Total Cobalt (Co)	2025/09/06	11		%	20
			Total Copper (Cu)	2025/09/06	8.8		%	20
			Total Iron (Fe)	2025/09/06	9.3		%	20
			Total Lead (Pb)	2025/09/06	13		%	20
			Total Lithium (Li)	2025/09/06	4.9		%	20
			Total Manganese (Mn)	2025/09/06	6.2		%	20
			Total Molybdenum (Mo)	2025/09/06	1.0		%	20
			Total Nickel (Ni)	2025/09/06	11		%	20
			Total Phosphorus (P)	2025/09/06	1.1		%	20
			Total Rubidium (Rb)	2025/09/06	7.3		%	20
			Total Selenium (Se)	2025/09/06	NC		%	20
			Total Silicon (Si)	2025/09/06	7.9		%	20
			Total Silver (Ag)	2025/09/06	NC		%	20
			Total Strontium (Sr)	2025/09/06	13		%	20
			Total Tellurium (Te)	2025/09/06	3.5		%	20
			Total Thallium (Tl)	2025/09/06	12		%	20
			Total Thorium (Th)	2025/09/06	NC		%	20
			Total Tin (Sn)	2025/09/06	NC		%	20
			Total Titanium (Ti)	2025/09/06	8.5		%	20
			Total Uranium (U)	2025/09/06	17		%	20
			Total Vanadium (V)	2025/09/06	7.1		%	20
			Total Zinc (Zn)	2025/09/06	5.3		%	20
			Total Zirconium (Zr)	2025/09/06	NC		%	20
C074776	CBK	Matrix Spike [DSB231-09]	Total Nitrogen (N)	2025/09/08		114	%	80 - 120
C074776	CBK	Spiked Blank	Total Nitrogen (N)	2025/09/08		111	%	80 - 120
C074776	CBK	Method Blank	Total Nitrogen (N)	2025/09/08	<0.020		mg/L	
C074776	CBK	RPD [DSB231-09]	Total Nitrogen (N)	2025/09/08	NC		%	20
C074862	KA5	Matrix Spike	Total Dissolved Solids	2025/09/08		100	%	80 - 120
C074862	KA5	Spiked Blank	Total Dissolved Solids	2025/09/08		92	%	80 - 120
C074862	KA5	Method Blank	Total Dissolved Solids	2025/09/08	<10		mg/L	
C074862	KA5	RPD	Total Dissolved Solids	2025/09/08	3.1		%	20
C074910	RLC	Matrix Spike	Total Mercury (Hg)	2025/09/05		111	%	80 - 120
C074910	RLC	Spiked Blank	Total Mercury (Hg)	2025/09/05		95	%	80 - 120
C074910	RLC	Method Blank	Total Mercury (Hg)	2025/09/05	<0.0019		ug/L	
C074910	RLC	RPD	Total Mercury (Hg)	2025/09/05	4.0		%	20
C074923	KA5	Matrix Spike	Total Suspended Solids	2025/09/08		102	%	80 - 120
C074923	KA5	Spiked Blank	Total Suspended Solids	2025/09/08		99	%	80 - 120
C074923	KA5	Method Blank	Total Suspended Solids	2025/09/08	<1.0		mg/L	
C074923	KA5	RPD [DSB231-12]	Total Suspended Solids	2025/09/08	NC		%	20
C075511	C2L	Spiked Blank	Nitrate plus Nitrite (N)	2025/09/05		111	%	80 - 120
C075511	C2L	Method Blank	Nitrate plus Nitrite (N)	2025/09/05	<0.020		mg/L	



Bureau Veritas Job #: C575044
Report Date: 2025/09/10

HATFIELD CONSULTANTS
Client Project #: Fortis11234/PE-110163
Site Location: Woodfibre Pipeline Project
Your P.O. #: 4800010213
Sampler Initials: WS

QUALITY ASSURANCE REPORT(CONT'D)

QA/QC	Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
C075511	C2L	RPD [DSB228-01]	Nitrate plus Nitrite (N)		2025/09/05	NC		%	25
C075516	C2L	Spiked Blank	Nitrite (N)		2025/09/05		107	%	80 - 120
C075516	C2L	Method Blank	Nitrite (N)		2025/09/05	<0.0050		mg/L	
C075516	C2L	RPD [DSB228-01]	Nitrite (N)		2025/09/05	NC		%	20
C075579	NGU	Matrix Spike	1,4-Difluorobenzene (sur.)		2025/09/06		99	%	50 - 140
			4-Bromofluorobenzene (sur.)		2025/09/06		100	%	50 - 140
			D4-1,2-Dichloroethane (sur.)		2025/09/06		89	%	50 - 140
			1,1,1,2-tetrachloroethane		2025/09/06		90	%	50 - 140
			1,1,1-trichloroethane		2025/09/06		93	%	50 - 140
			1,1,2,2-tetrachloroethane		2025/09/06		87	%	50 - 140
			1,1,2Trichloro-1,2,2Trifluoroethane		2025/09/06		95	%	50 - 140
			1,1,2-trichloroethane		2025/09/06		88	%	50 - 140
			1,1-dichloroethane		2025/09/06		98	%	50 - 140
			1,1-dichloroethene		2025/09/06		102	%	50 - 140
			1,2,3-trichlorobenzene		2025/09/06		96	%	50 - 140
			1,2,4-trichlorobenzene		2025/09/06		99	%	50 - 140
			1,2-dibromoethane		2025/09/06		91	%	50 - 140
			1,2-dichlorobenzene		2025/09/06		95	%	50 - 140
			1,2-dichloroethane		2025/09/06		84	%	50 - 140
			1,2-dichloropropane		2025/09/06		92	%	50 - 140
			1,3,5-trimethylbenzene		2025/09/06		105	%	50 - 140
			1,3-Butadiene		2025/09/06		71	%	50 - 140
			1,3-dichlorobenzene		2025/09/06		97	%	50 - 140
			1,3-dichloropropane		2025/09/06		90	%	50 - 140
			1,4-dichlorobenzene		2025/09/06		95	%	50 - 140
			Benzene		2025/09/06		94	%	50 - 140
			Bromobenzene		2025/09/06		92	%	50 - 140
			Bromodichloromethane		2025/09/06		89	%	50 - 140
			Bromoform		2025/09/06		87	%	50 - 140
			Bromomethane		2025/09/06		91	%	50 - 140
			Carbon tetrachloride		2025/09/06		92	%	50 - 140
			Chlorobenzene		2025/09/06		89	%	50 - 140
			Dibromochloromethane		2025/09/06		92	%	50 - 140
			Chloroethane		2025/09/06		89	%	50 - 140
			Chloroform		2025/09/06		89	%	50 - 140
			Chloromethane		2025/09/06		88	%	50 - 140
			cis-1,2-dichloroethene		2025/09/06		91	%	50 - 140
			cis-1,3-dichloropropene		2025/09/06		82	%	50 - 140
			Dichlorodifluoromethane		2025/09/06		105	%	50 - 140
			Dichloromethane		2025/09/06		87	%	50 - 140
			Ethylbenzene		2025/09/06		96	%	50 - 140
			Hexachlorobutadiene		2025/09/06		96	%	50 - 140
			Isopropylbenzene		2025/09/06		96	%	50 - 140
			Methyl-tert-butylether (MTBE)		2025/09/06		83	%	50 - 140
			Styrene		2025/09/06		81	%	50 - 140
			Tetrachloroethene		2025/09/06		89	%	50 - 140
			Toluene		2025/09/06		94	%	50 - 140
			trans-1,2-dichloroethene		2025/09/06		96	%	50 - 140
			trans-1,3-dichloropropene		2025/09/06		59	%	50 - 140
			Trichloroethene		2025/09/06		93	%	50 - 140
			Trichlorofluoromethane		2025/09/06		94	%	50 - 140
			Vinyl chloride		2025/09/06		90	%	50 - 140



Bureau Veritas Job #: C575044
Report Date: 2025/09/10

HATFIELD CONSULTANTS
Client Project #: Fortis11234/PE-110163
Site Location: Woodfibre Pipeline Project
Your P.O. #: 4800010213
Sampler Initials: WS

QUALITY ASSURANCE REPORT(CONT'D)

QA/QC	Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
				m & p-Xylene	2025/09/06		96	%	50 - 140
				o-Xylene	2025/09/06		97	%	50 - 140
C075579		NGU	Spiked Blank	1,4-Difluorobenzene (sur.)	2025/09/06		98	%	50 - 140
				4-Bromofluorobenzene (sur.)	2025/09/06		100	%	50 - 140
				D4-1,2-Dichloroethane (sur.)	2025/09/06		86	%	50 - 140
				VH C6-C10	2025/09/06		98	%	70 - 130
				1,1,1,2-tetrachloroethane	2025/09/06		87	%	60 - 130
				1,1,1-trichloroethane	2025/09/06		91	%	60 - 130
				1,1,2,2-tetrachloroethane	2025/09/06		85	%	60 - 130
				1,1,2Trichloro-1,2,2Trifluoroethane	2025/09/06		91	%	60 - 130
				1,1,2-trichloroethane	2025/09/06		84	%	60 - 130
				1,1-dichloroethane	2025/09/06		95	%	60 - 130
				1,1-dichloroethene	2025/09/06		98	%	60 - 130
				1,2,3-trichlorobenzene	2025/09/06		93	%	60 - 130
				1,2,4-trichlorobenzene	2025/09/06		96	%	60 - 130
				1,2-dibromoethane	2025/09/06		90	%	60 - 130
				1,2-dichlorobenzene	2025/09/06		92	%	60 - 130
				1,2-dichloroethane	2025/09/06		84	%	60 - 130
				1,2-dichloropropane	2025/09/06		89	%	60 - 130
				1,3,5-trimethylbenzene	2025/09/06		101	%	60 - 130
				1,3-Butadiene	2025/09/06		79	%	50 - 140
				1,3-dichlorobenzene	2025/09/06		93	%	60 - 130
				1,3-dichloropropane	2025/09/06		88	%	60 - 130
				1,4-dichlorobenzene	2025/09/06		91	%	60 - 130
				Benzene	2025/09/06		90	%	60 - 130
				Bromobenzene	2025/09/06		89	%	60 - 130
				Bromodichloromethane	2025/09/06		86	%	60 - 130
				Bromoform	2025/09/06		85	%	60 - 130
				Bromomethane	2025/09/06		79	%	50 - 140
				Carbon tetrachloride	2025/09/06		91	%	60 - 130
				Chlorobenzene	2025/09/06		85	%	60 - 130
				Dibromochloromethane	2025/09/06		90	%	60 - 130
				Chloroethane	2025/09/06		83	%	50 - 140
				Chloroform	2025/09/06		85	%	60 - 130
				Chloromethane	2025/09/06		84	%	50 - 140
				cis-1,2-dichloroethene	2025/09/06		88	%	60 - 130
				cis-1,3-dichloropropene	2025/09/06		77	%	50 - 140
				Dichlorodifluoromethane	2025/09/06		101	%	50 - 140
				Dichloromethane	2025/09/06		85	%	60 - 130
				Ethylbenzene	2025/09/06		92	%	60 - 130
				Hexachlorobutadiene	2025/09/06		92	%	60 - 130
				Isopropylbenzene	2025/09/06		91	%	60 - 130
				Methyl-tert-butylether (MTBE)	2025/09/06		82	%	60 - 130
				Styrene	2025/09/06		78	%	60 - 130
				Tetrachloroethene	2025/09/06		85	%	60 - 130
				Toluene	2025/09/06		90	%	60 - 130
				trans-1,2-dichloroethene	2025/09/06		93	%	60 - 130
				trans-1,3-dichloropropene	2025/09/06		55	%	50 - 140
				Trichloroethene	2025/09/06		88	%	60 - 130
				Trichlorofluoromethane	2025/09/06		86	%	60 - 130
				Vinyl chloride	2025/09/06		87	%	50 - 140
				m & p-Xylene	2025/09/06		91	%	60 - 130



Bureau Veritas Job #: C575044
Report Date: 2025/09/10

HATFIELD CONSULTANTS
Client Project #: Fortis11234/PE-110163
Site Location: Woodfibre Pipeline Project
Your P.O. #: 4800010213
Sampler Initials: WS

QUALITY ASSURANCE REPORT(CONT'D)

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
C075579	NGU	Method Blank	o-Xylene	2025/09/06		93	%	60 - 130
			1,4-Difluorobenzene (sur.)	2025/09/06		100	%	50 - 140
			4-Bromofluorobenzene (sur.)	2025/09/06		92	%	50 - 140
			D4-1,2-Dichloroethane (sur.)	2025/09/06		83	%	50 - 140
			VH C6-C10	2025/09/06	<300		ug/L	
			1,1,1,2-tetrachloroethane	2025/09/06	<0.50		ug/L	
			1,1,1-trichloroethane	2025/09/06	<0.50		ug/L	
			1,1,2,2-tetrachloroethane	2025/09/06	<0.50		ug/L	
			1,1,2Trichloro-1,2,2Trifluoroethane	2025/09/06	<2.0		ug/L	
			1,1,2-trichloroethane	2025/09/06	<0.50		ug/L	
			1,1-dichloroethane	2025/09/06	<0.50		ug/L	
			1,1-dichloroethene	2025/09/06	<0.50		ug/L	
			1,2,3-trichlorobenzene	2025/09/06	<2.0		ug/L	
			1,2,4-trichlorobenzene	2025/09/06	<2.0		ug/L	
			1,2-dibromoethane	2025/09/06	<0.20		ug/L	
			1,2-dichlorobenzene	2025/09/06	<0.50		ug/L	
			1,2-dichloroethane	2025/09/06	<0.50		ug/L	
			1,2-dichloropropane	2025/09/06	<0.50		ug/L	
			1,3,5-trimethylbenzene	2025/09/06	<2.0		ug/L	
			1,3-Butadiene	2025/09/06	<0.50		ug/L	
			1,3-dichlorobenzene	2025/09/06	<0.50		ug/L	
			1,3-dichloropropane	2025/09/06	<1.0		ug/L	
			1,4-dichlorobenzene	2025/09/06	<0.50		ug/L	
			Benzene	2025/09/06	<0.40		ug/L	
			Bromobenzene	2025/09/06	<2.0		ug/L	
			Bromodichloromethane	2025/09/06	<1.0		ug/L	
			Bromoform	2025/09/06	<1.0		ug/L	
			Bromomethane	2025/09/06	<1.0		ug/L	
			Carbon tetrachloride	2025/09/06	<0.50		ug/L	
			Chlorobenzene	2025/09/06	<0.50		ug/L	
			Dibromochloromethane	2025/09/06	<1.0		ug/L	
			Chloroethane	2025/09/06	<1.0		ug/L	
			Chloroform	2025/09/06	<1.0		ug/L	
			Chloromethane	2025/09/06	<1.0		ug/L	
			cis-1,2-dichloroethene	2025/09/06	<1.0		ug/L	
			cis-1,3-dichloropropene	2025/09/06	<1.0		ug/L	
			Dichlorodifluoromethane	2025/09/06	<2.0		ug/L	
			Dichloromethane	2025/09/06	<2.0		ug/L	
			Ethylbenzene	2025/09/06	<0.40		ug/L	
			Hexachlorobutadiene	2025/09/06	<0.50		ug/L	
			Isopropylbenzene	2025/09/06	<2.0		ug/L	
			Methyl-tert-butylether (MTBE)	2025/09/06	<4.0		ug/L	
			Styrene	2025/09/06	<0.50		ug/L	
			Tetrachloroethene	2025/09/06	<0.50		ug/L	
			Toluene	2025/09/06	<0.40		ug/L	
			trans-1,2-dichloroethene	2025/09/06	<1.0		ug/L	
			trans-1,3-dichloropropene	2025/09/06	<1.0		ug/L	
			Trichloroethene	2025/09/06	<0.50		ug/L	
			Trichlorofluoromethane	2025/09/06	<4.0		ug/L	
			Vinyl chloride	2025/09/06	<0.50		ug/L	
			m & p-Xylene	2025/09/06	<0.40		ug/L	
			o-Xylene	2025/09/06	<0.40		ug/L	



Bureau Veritas Job #: C575044
Report Date: 2025/09/10

HATFIELD CONSULTANTS
Client Project #: Fortis11234/PE-110163
Site Location: Woodfibre Pipeline Project
Your P.O. #: 4800010213
Sampler Initials: WS

QUALITY ASSURANCE REPORT(CONT'D)

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
C075579	NGU	RPD	Xylenes (Total)	2025/09/06	<0.40		ug/L	
			VH C6-C10	2025/09/06	NC		%	30
			1,1,1,2-tetrachloroethane	2025/09/06	NC		%	30
			1,1,1-trichloroethane	2025/09/06	NC		%	30
			1,1,2,2-tetrachloroethane	2025/09/06	NC		%	30
			1,1,2Trichloro-1,2,2Trifluoroethane	2025/09/06	NC		%	30
			1,1,2-trichloroethane	2025/09/06	NC		%	30
			1,1-dichloroethane	2025/09/06	NC		%	30
			1,1-dichloroethene	2025/09/06	NC		%	30
			1,2,3-trichlorobenzene	2025/09/06	NC		%	30
			1,2,4-trichlorobenzene	2025/09/06	NC		%	30
			1,2-dibromoethane	2025/09/06	NC		%	30
			1,2-dichlorobenzene	2025/09/06	NC		%	30
			1,2-dichloroethane	2025/09/06	NC		%	30
			1,2-dichloropropane	2025/09/06	NC		%	30
			1,3,5-trimethylbenzene	2025/09/06	NC		%	30
			1,3-Butadiene	2025/09/06	NC		%	30
			1,3-dichlorobenzene	2025/09/06	NC		%	30
			1,3-dichloropropane	2025/09/06	NC		%	30
			1,4-dichlorobenzene	2025/09/06	NC		%	30
			Benzene	2025/09/06	NC		%	30
			Bromobenzene	2025/09/06	NC		%	30
			Bromodichloromethane	2025/09/06	NC		%	30
			Bromoform	2025/09/06	NC		%	30
			Bromomethane	2025/09/06	NC		%	30
			Carbon tetrachloride	2025/09/06	NC		%	30
			Chlorobenzene	2025/09/06	NC		%	30
			Dibromochloromethane	2025/09/06	NC		%	30
			Chloroethane	2025/09/06	NC		%	30
			Chloroform	2025/09/06	NC		%	30
			Chloromethane	2025/09/06	NC		%	30
			cis-1,2-dichloroethene	2025/09/06	NC		%	30
			cis-1,3-dichloropropene	2025/09/06	NC		%	30
			Dichlorodifluoromethane	2025/09/06	NC		%	30
			Dichloromethane	2025/09/06	NC		%	30
			Ethylbenzene	2025/09/06	NC		%	30
			Hexachlorobutadiene	2025/09/06	NC		%	30
			Isopropylbenzene	2025/09/06	NC		%	30
			Methyl-tert-butylether (MTBE)	2025/09/06	NC		%	30
			Styrene	2025/09/06	NC		%	30
			Tetrachloroethene	2025/09/06	NC		%	30
			Toluene	2025/09/06	NC		%	30
			trans-1,2-dichloroethene	2025/09/06	NC		%	30
			trans-1,3-dichloropropene	2025/09/06	NC		%	30
			Trichloroethene	2025/09/06	NC		%	30
			Trichlorofluoromethane	2025/09/06	NC		%	30
			Vinyl chloride	2025/09/06	NC		%	30
			m & p-Xylene	2025/09/06	NC		%	30
			o-Xylene	2025/09/06	NC		%	30
			Xylenes (Total)	2025/09/06	NC		%	30
C076825	JYU	Matrix Spike [DSB226-16]	Phenols	2025/09/07		102	%	80 - 120
C076825	JYU	Spiked Blank	Phenols	2025/09/07		97	%	80 - 120



Bureau Veritas Job #: C575044
Report Date: 2025/09/10

HATFIELD CONSULTANTS
Client Project #: Fortis11234/PE-110163
Site Location: Woodfibre Pipeline Project
Your P.O. #: 4800010213
Sampler Initials: WS

QUALITY ASSURANCE REPORT(CONT'D)

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
C076825	JYU	Method Blank	Phenols	2025/09/07	<0.0015		mg/L	
C076825	JYU	RPD [DSB226-16]	Phenols	2025/09/07	NC		%	20
C077248	AAX	Matrix Spike	Methyl Sulfone (sur.)	2025/09/08		83	%	50 - 140
			Ethylene Glycol	2025/09/08		76	%	60 - 140
			Diethylene Glycol	2025/09/08		84	%	60 - 140
			Triethylene Glycol	2025/09/08		67	%	60 - 140
			Propylene Glycol	2025/09/08		83	%	60 - 140
C077248	AAX	Spiked Blank	Methyl Sulfone (sur.)	2025/09/08		98	%	50 - 140
			Ethylene Glycol	2025/09/08		87	%	70 - 130
			Diethylene Glycol	2025/09/08		104	%	70 - 130
			Triethylene Glycol	2025/09/08		97	%	70 - 130
			Propylene Glycol	2025/09/08		92	%	70 - 130
C077248	AAX	Method Blank	Methyl Sulfone (sur.)	2025/09/08		99	%	50 - 140
			Ethylene Glycol	2025/09/08	<3.0		mg/L	
			Diethylene Glycol	2025/09/08	<5.0		mg/L	
			Triethylene Glycol	2025/09/08	<5.0		mg/L	
			Propylene Glycol	2025/09/08	<5.0		mg/L	
C077248	AAX	RPD	Ethylene Glycol	2025/09/08	NC		%	30
			Diethylene Glycol	2025/09/08	NC		%	30
			Triethylene Glycol	2025/09/08	NC		%	30
			Propylene Glycol	2025/09/08	NC		%	30
C077379	RLC	Matrix Spike [DSB225-03]	Dissolved Mercury (Hg)	2025/09/08		110	%	80 - 120
C077379	RLC	Spiked Blank	Dissolved Mercury (Hg)	2025/09/08		95	%	80 - 120
C077379	RLC	Method Blank	Dissolved Mercury (Hg)	2025/09/08	<0.0019		ug/L	
C077379	RLC	RPD [DSB225-03]	Dissolved Mercury (Hg)	2025/09/08	NC		%	20
C077437	BB3	Matrix Spike	Total Hex. Chromium (Cr 6+)	2025/09/08		103	%	80 - 120
C077437	BB3	Spiked Blank	Total Hex. Chromium (Cr 6+)	2025/09/08		110	%	80 - 120
C077437	BB3	Method Blank	Total Hex. Chromium (Cr 6+)	2025/09/08	<0.00099		mg/L	
C077437	BB3	RPD	Total Hex. Chromium (Cr 6+)	2025/09/08	NC		%	20
C077568	SOM	Matrix Spike	Bromide (Br)	2025/09/10		107	%	78 - 120
C077568	SOM	Spiked Blank	Bromide (Br)	2025/09/10		100	%	80 - 120
C077568	SOM	Method Blank	Bromide (Br)	2025/09/10	<0.010		mg/L	
C077568	SOM	RPD	Bromide (Br)	2025/09/10	16		%	20
C077576	SOM	Matrix Spike [DSB229-01]	Bromide (Br)	2025/09/10		93	%	78 - 120
C077576	SOM	Spiked Blank	Bromide (Br)	2025/09/10		95	%	80 - 120
C077576	SOM	Method Blank	Bromide (Br)	2025/09/10	<0.010		mg/L	
C077576	SOM	RPD [DSB229-01]	Bromide (Br)	2025/09/10	NC		%	20
C077594	NJD	Matrix Spike [DSB231-04]	Total Sulphide	2025/09/08		100	%	80 - 120
C077594	NJD	Spiked Blank	Total Sulphide	2025/09/08		107	%	80 - 120
C077594	NJD	Method Blank	Total Sulphide	2025/09/08	<0.0018		mg/L	
C077594	NJD	RPD [DSB230-04]	Total Sulphide	2025/09/08	NC		%	20
C077631	JP1	Matrix Spike	D10-ANTHRACENE (sur.)	2025/09/09		48 (2)	%	50 - 140
			D8-ACENAPHTHYLENE (sur.)	2025/09/09		71	%	50 - 140
			D8-NAPHTHALENE (sur.)	2025/09/09		67	%	50 - 140
			TERPHENYL-D14 (sur.)	2025/09/09		27 (2)	%	50 - 140
			Quinoline	2025/09/09		98	%	50 - 140
			Naphthalene	2025/09/09		64	%	50 - 140
			1-Methylnaphthalene	2025/09/09		67	%	50 - 140
			2-Methylnaphthalene	2025/09/09		62	%	50 - 140
			Acenaphthylene	2025/09/09		73	%	50 - 140
			Acenaphthene	2025/09/09		72	%	50 - 140
			Fluorene	2025/09/09		56	%	50 - 140



Bureau Veritas Job #: C575044
Report Date: 2025/09/10

HATFIELD CONSULTANTS
Client Project #: Fortis11234/PE-110163
Site Location: Woodfibre Pipeline Project
Your P.O. #: 4800010213
Sampler Initials: WS

QUALITY ASSURANCE REPORT(CONT'D)

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
C077631	JP1	Spiked Blank	Phenanthrene	2025/09/09		65	%	50 - 140
			Anthracene	2025/09/09		63	%	50 - 140
			Acridine	2025/09/09		87	%	50 - 140
			Fluoranthene	2025/09/09		51	%	50 - 140
			Pyrene	2025/09/09		51	%	50 - 140
			Benzo(a)anthracene	2025/09/09		25 (2)	%	50 - 140
			Chrysene	2025/09/09		27 (2)	%	50 - 140
			Benzo(b&j)fluoranthene	2025/09/09		15 (2)	%	50 - 140
			Benzo(k)fluoranthene	2025/09/09		16 (2)	%	50 - 140
			Benzo(a)pyrene	2025/09/09		14 (2)	%	50 - 140
			Indeno(1,2,3-cd)pyrene	2025/09/09		9.9 (2)	%	50 - 140
			Dibenz(a,h)anthracene	2025/09/09		8.7 (2)	%	50 - 140
			Benzo(g,h,i)perylene	2025/09/09		9.4 (2)	%	50 - 140
			D10-ANTHRACENE (sur.)	2025/09/09		91	%	50 - 140
			D8-ACENAPHTHYLENE (sur.)	2025/09/09		87	%	50 - 140
			D8-NAPHTHALENE (sur.)	2025/09/09		72	%	50 - 140
			TERPHENYL-D14 (sur.)	2025/09/09		88	%	50 - 140
			Quinoline	2025/09/09		101	%	50 - 140
			Naphthalene	2025/09/09		70	%	50 - 140
			1-Methylnaphthalene	2025/09/09		74	%	50 - 140
			2-Methylnaphthalene	2025/09/09		68	%	50 - 140
			Acenaphthylene	2025/09/09		81	%	50 - 140
			Acenaphthene	2025/09/09		81	%	50 - 140
			Fluorene	2025/09/09		76	%	50 - 140
			Phenanthrene	2025/09/09		79	%	50 - 140
			Anthracene	2025/09/09		81	%	50 - 140
			Acridine	2025/09/09		91	%	50 - 140
			Fluoranthene	2025/09/09		68	%	50 - 140
			Pyrene	2025/09/09		70	%	50 - 140
			Benzo(a)anthracene	2025/09/09		84	%	50 - 140
			Chrysene	2025/09/09		85	%	50 - 140
			Benzo(b&j)fluoranthene	2025/09/09		88	%	50 - 140
			Benzo(k)fluoranthene	2025/09/09		85	%	50 - 140
			Benzo(a)pyrene	2025/09/09		83	%	50 - 140
			Indeno(1,2,3-cd)pyrene	2025/09/09		79	%	50 - 140
			Dibenz(a,h)anthracene	2025/09/09		79	%	50 - 140
			Benzo(g,h,i)perylene	2025/09/09		80	%	50 - 140
C077631	JP1	Method Blank	D10-ANTHRACENE (sur.)	2025/09/09		94	%	50 - 140
			D8-ACENAPHTHYLENE (sur.)	2025/09/09		86	%	50 - 140
			D8-NAPHTHALENE (sur.)	2025/09/09		73	%	50 - 140
			TERPHENYL-D14 (sur.)	2025/09/09		66	%	50 - 140
			Quinoline	2025/09/09	<0.020		ug/L	
			Naphthalene	2025/09/09	<0.10		ug/L	
			1-Methylnaphthalene	2025/09/09	<0.050		ug/L	
			2-Methylnaphthalene	2025/09/09	<0.10		ug/L	
			Acenaphthylene	2025/09/09	<0.050		ug/L	
			Acenaphthene	2025/09/09	<0.050		ug/L	
			Fluorene	2025/09/09	<0.050		ug/L	
			Phenanthrene	2025/09/09	<0.050		ug/L	
			Anthracene	2025/09/09	<0.010		ug/L	
			Acridine	2025/09/09	<0.050		ug/L	
			Fluoranthene	2025/09/09	<0.020		ug/L	



Bureau Veritas Job #: C575044
Report Date: 2025/09/10

HATFIELD CONSULTANTS
Client Project #: Fortis11234/PE-110163
Site Location: Woodfibre Pipeline Project
Your P.O. #: 4800010213
Sampler Initials: WS

QUALITY ASSURANCE REPORT(CONT'D)

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
C077631	JP1	RPD	Pyrene	2025/09/09	<0.020		ug/L	
			Benzo(a)anthracene	2025/09/09	<0.010		ug/L	
			Chrysene	2025/09/09	<0.020		ug/L	
			Benzo(b&j)fluoranthene	2025/09/09	<0.030		ug/L	
			Benzo(k)fluoranthene	2025/09/09	<0.050		ug/L	
			Benzo(a)pyrene	2025/09/09	<0.0050		ug/L	
			Indeno(1,2,3-cd)pyrene	2025/09/09	<0.050		ug/L	
			Dibenz(a,h)anthracene	2025/09/09	<0.0030		ug/L	
			Benzo(g,h,i)perylene	2025/09/09	<0.050		ug/L	
			Quinoline	2025/09/09	NC		%	40
			Naphthalene	2025/09/09	NC		%	40
			1-Methylnaphthalene	2025/09/09	NC		%	40
			2-Methylnaphthalene	2025/09/09	NC		%	40
			Acenaphthylene	2025/09/09	NC		%	40
			Acenaphthene	2025/09/09	NC		%	40
			Fluorene	2025/09/09	NC		%	40
			Phenanthrene	2025/09/09	NC		%	40
			Anthracene	2025/09/09	NC		%	40
			Acridine	2025/09/09	NC		%	40
			Fluoranthene	2025/09/09	NC		%	40
			Pyrene	2025/09/09	NC		%	40
			Benzo(a)anthracene	2025/09/09	NC		%	40
			Chrysene	2025/09/09	NC		%	40
			Benzo(b&j)fluoranthene	2025/09/09	NC		%	40
			Benzo(k)fluoranthene	2025/09/09	NC		%	40
			Benzo(a)pyrene	2025/09/09	NC		%	40
			Indeno(1,2,3-cd)pyrene	2025/09/09	NC		%	40
			Dibenz(a,h)anthracene	2025/09/09	NC		%	40
			Benzo(g,h,i)perylene	2025/09/09	NC		%	40
C077638	IT1	Matrix Spike	O-TERPHENYL (sur.)	2025/09/08		113	%	60 - 140
			EPH (C10-C19)	2025/09/08		105	%	60 - 140
			EPH (C19-C32)	2025/09/08		114	%	60 - 140
C077638	IT1	Spiked Blank	O-TERPHENYL (sur.)	2025/09/08		104	%	60 - 140
			EPH (C10-C19)	2025/09/08		91	%	70 - 130
			EPH (C19-C32)	2025/09/08		106	%	70 - 130
C077638	IT1	Method Blank	O-TERPHENYL (sur.)	2025/09/08		114	%	60 - 140
			EPH (C10-C19)	2025/09/08	<0.20		mg/L	
			EPH (C19-C32)	2025/09/08	<0.20		mg/L	
C077638	IT1	RPD	EPH (C10-C19)	2025/09/08	NC		%	30
			EPH (C19-C32)	2025/09/08	NC		%	30
C077952	ESA	Matrix Spike	Total Dissolved Solids	2025/09/09		104	%	80 - 120
C077952	ESA	Spiked Blank	Total Dissolved Solids	2025/09/09		92	%	80 - 120
C077952	ESA	Method Blank	Total Dissolved Solids	2025/09/09	<10		mg/L	



Bureau Veritas Job #: C575044
Report Date: 2025/09/10

HATFIELD CONSULTANTS
Client Project #: Fortis11234/PE-110163
Site Location: Woodfibre Pipeline Project
Your P.O. #: 4800010213
Sampler Initials: WS

QUALITY ASSURANCE REPORT(CONT'D)

QA/QC	Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
	C077952	ESA	RPD	Total Dissolved Solids	2025/09/09	3.5		%	20
N/A = Not Applicable Duplicate: Paired analysis of a separate portion of the same sample. Used to evaluate the variance in the measurement. Matrix Spike: A sample to which a known amount of the analyte of interest has been added. Used to evaluate sample matrix interference. Spiked Blank: A blank matrix sample to which a known amount of the analyte, usually from a second source, has been added. Used to evaluate method accuracy. Method Blank: A blank matrix containing all reagents used in the analytical procedure. Used to identify laboratory contamination. Surrogate: A pure or isotopically labeled compound whose behavior mirrors the analytes of interest. Used to evaluate extraction efficiency. NC (Matrix Spike): The recovery in the matrix spike was not calculated. The relative difference between the concentration in the parent sample and the spike amount was too small to permit a reliable recovery calculation (matrix spike concentration was less than the native sample concentration) NC (Duplicate RPD): The duplicate RPD was not calculated. The concentration in the sample and/or duplicate was too low to permit a reliable RPD calculation (absolute difference $\leq 2 \times \text{RDL}$). (1) Method blank exceeds acceptance limits- 2X RDL acceptable for low level metals determination. (2) Recovery or RPD for this parameter is outside control limits. The overall quality control for this analysis meets acceptability criteria.									



Bureau Veritas Job #: C575044
Report Date: 2025/09/10

HATFIELD CONSULTANTS
Client Project #: Fortis11234/PE-110163
Site Location: Woodfibre Pipeline Project
Your P.O. #: 4800010213
Sampler Initials: WS

VALIDATION SIGNATURE PAGE

The analytical data and all QC contained in this report were reviewed and validated by:

David Huang, M.Sc., P.Chem., QP, Scientific Services Manager

Jared Wiseman, B.Sc., P.Chem., QP, Senior Analyst, Organics

Levi Manchak, Project Manager SR

Mauro Oselin, P.Chem., QP, Scientific Specialist

Suwan (Sze Yeung) Fock, B.Sc., Scientific Specialist

Bureau Veritas Certified by Ghayasuddin Khan, M.Sc., P.Chem., QP, Scientific Specialist, Inorganics

Bureau Veritas has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per ISO/IEC 17025, signing the reports. For Service Group specific validation, please refer to the Validation Signatures page if included, otherwise available by request. For Department specific Analyst/Supervisor validation names, please refer to the Test Summary section if included, otherwise available by request. This report is authorized by Rob Gilbert, BBY General Manager responsible for British Columbia Environmental laboratory operations.



Custody Tracking Form

eCOC Number
W112678

Please use this form for custody tracking when submitting the work instructions via eCOC (electronic Chain of Custody). Please ensure your form has a barcode or a Bureau Veritas eCOC confirmation number in the top right hand side. This number links your electronic submission to your samples. This form should be placed in the cooler with your samples.

Relinquished By				Received By			
Will Shearn	Date	02/09/18	Emmanuel Salido	[Signature]	Date	25/09/18	
	Time (24 HR)	16:00			Time (24 HR)	15:30	
	Date				Date		
	Time (24 HR)				Time (24 HR)		
	Date				Date		
	Time (24 HR)				Time (24 HR)		

Unless otherwise agreed to, submissions and use of services are governed by Bureau Veritas' standard terms and conditions which can be found at www.bvna.com.

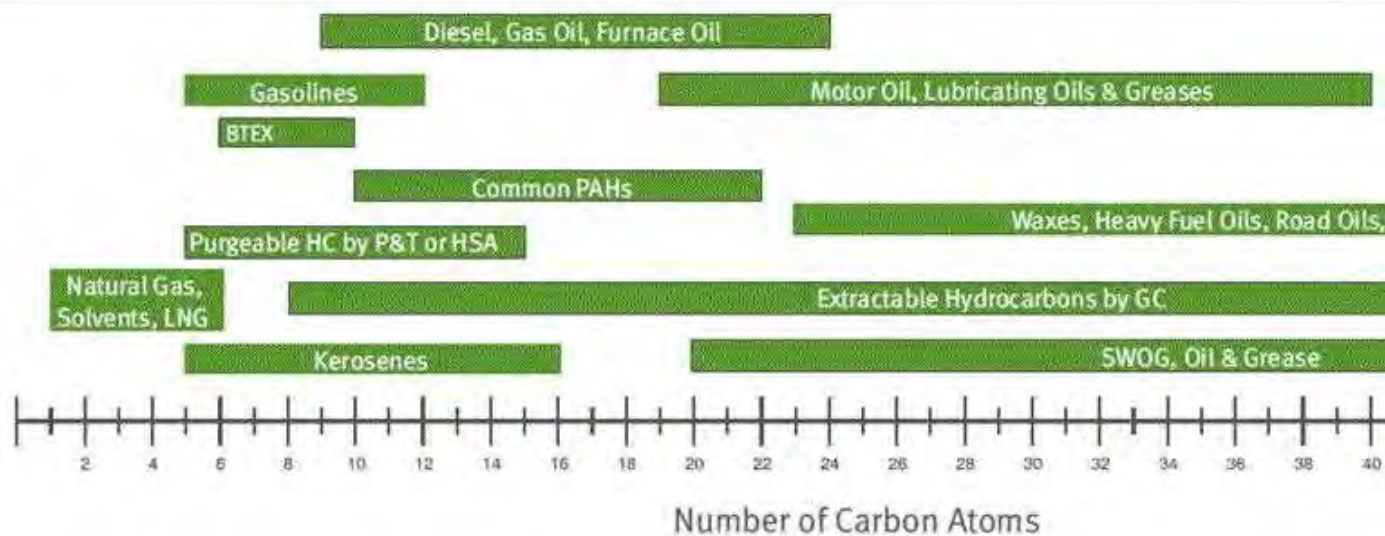
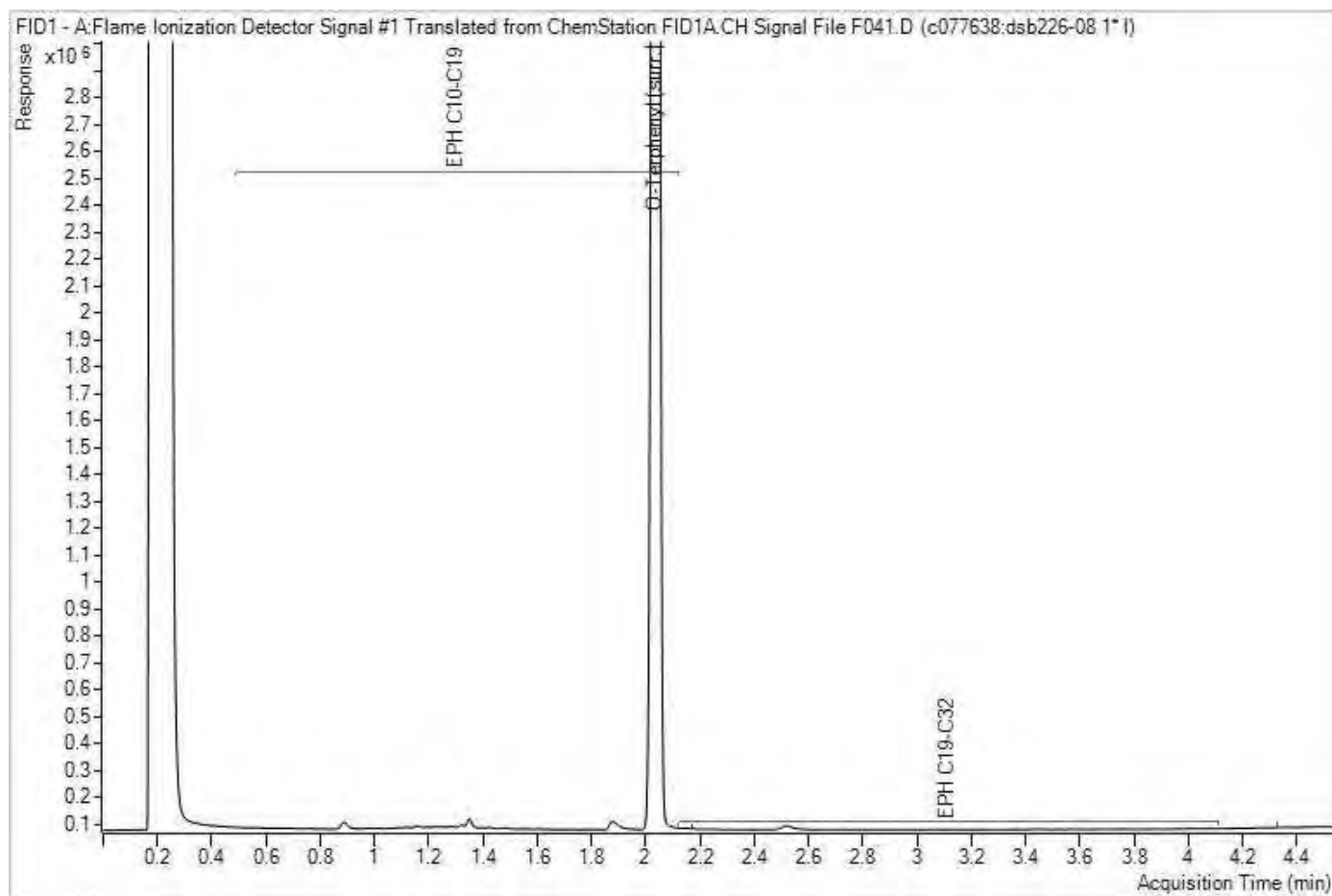
Usage Information					
Sampled By (Print)	# of Coolers/Pkgs	Rush	Immediate Test	Food Residue	
Will Shearn	2	☐	☐	Food Chemistry	☐
		Micro	☐		

*** Laboratory Use Only ***							
Received At	Lab Comments:	Custody Seal		Cooling Media	Temperature °C		
		Present (Y/N)	Intact (Y/N)	Present (Y/N)	1	2	3
Labeled By		N	N	Y	14	16	18
Verified By				melted			
Drinking Water Metals Preservation Check Done (Circle) YES NO							



MVAN-2025-09-058

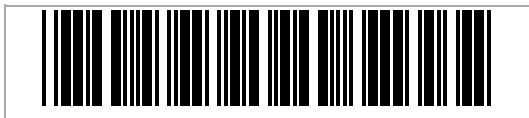
EPH in Water when PAH required Chromatogram



Note: This information is provided for reference purposes only. Should detailed chemist interpretation or fingerprinting be required, please contact the laboratory.



eCOC: W112678



Project Information: C575044
Job Received: 2025/09/02 15:30
Expected TAT: Standard TAT
Expected Arrival: 2025/09/02 16:45
Submitted By: Adrienne Trac
Submitted To: Burnaby ENV: 4606
Canada Way

Invoice Information

Attn: Accounts Payable
Fortis BC Energy Inc
16705 Fraser Hwy
Surrey , BC , V4N 0E8
Email to:
einvoices@fortisbc.com

Report Information

Attn: Brett Lucas
HATFIELD CONSULTANTS
200-850 Harbourside Dr
North Vancouver , BC , V7P 0A3
Email to:
blucas@hatfieldgroup.com
mwhelly@hatfieldgroup.com
danielle.samels@fortisbc.com
smangwani@hatfieldgroup.com
atrac@hatfieldgroup.com

Project Information

Quote #: C50083
PO/AFE#: 4800010213
Project #: Fortis11234/PE-110163
Site Location: Woodfibre Pipeline Project

Analytical Summary

A: Standard TAT

Client Sample ID	Clnt Ref	Sampling Date/Time	Matrix	#Cont				Set Number
					Woodfibre 2025	Woodfibre Additional 2025	Woodfibre Blank 2025	
WLNG-DS	1	2025/09/02	WATER	14	A			1
WLNG -EOP	2	2025/09/02	WATER	18	A	A		2
WLNG-US	3	2025/09/02	WATER	14	A			1
SQRI-US	4	2025/09/02	WATER	14	A			1
SQRI-DS	5	2025/09/02	WATER	14	A			1
Field Blank	6	2025/09/02	WATER	14			A	3
Trip Blank	7	2025/09/02	WATER	14			A	3

Deadlines are estimates only and are subject to change. Please refer to your Job Confirmation report for final due dates.

Submission Information

of Samples: 7

Sample Set Listing

Set 1 (4 samples)	Set 2 (1 sample)	Set 3 (2 samples)
WLNG-DS WLNG-US SQRI-US SQRI-DS	WLNG -EOP	Field Blank Trip Blank



Project Information: C575044
Job Received: 2025/09/02 15:30
Expected TAT: Standard TAT
Expected Arrival: 2025/09/02 16:45
Submitted By: Adrienne Trac
Submitted To: Burnaby ENV: 4606
Canada Way

Invoice Information

Attn: Accounts Payable
Fortis BC Energy Inc
16705 Fraser Hwy
Surrey , BC , V4N 0E8
Email to:
einvoices@fortisbc.com

Report Information

Attn: Brett Lucas
HATFIELD CONSULTANTS
200-850 Harbourside Dr
North Vancouver , BC , V7P 0A3
Email to:
blucas@hatfieldgroup.com
mwhelly@hatfieldgroup.com
danielle.samels@fortisbc.com
smangwani@hatfieldgroup.com
atrac@hatfieldgroup.com

Project Information

Quote #: C50083
PO/AFE#: 4800010213
Project #: Fortis11234/PE-110163
Site Location: Woodfibre Pipeline Project

Analytical Summary

A: Standard TAT

Client Sample ID	Clnt Ref	Sampling Date/Time	Matrix	#Cont				
					Woodfibre 2025	Woodfibre Additional 2025	Woodfibre Blank 2025	Set Number
WLNG-DS	1	2025/09/02	WATER	14	A			1
WLNG -EOP	2	2025/09/02	WATER	18	A	A		2
WLNG-US	3	2025/09/02	WATER	14	A			1
SQRI-US	4	2025/09/02	WATER	14	A			1
SQRI-DS	5	2025/09/02	WATER	14	A			1
Field Blank	6	2025/09/02	WATER	14			A	3
Trip Blank	7	2025/09/02	WATER	14			A	3

Deadlines are estimates only and are subject to change. Please refer to your Job Confirmation report for final due dates.

Submission Information

of Samples: 7



Sample Set Listing

Set 1 (4 samples)	Set 2 (1 sample)	Set 3 (2 samples)
WLNG-DS WLNG-US SQRI-US SQRI-DS	WLNG -EOP	Field Blank Trip Blank

Parameter Summary

Package/Test	Parameter	RDL	Unit	Set 1	Set 2	Set 3
Woodfibre 2025	Alkalinity (PP as CaCO3)	1	mg/L	X	X	
	Alkalinity (Total as CaCO3)	1	mg/L	X	X	
	Bicarbonate (HCO3)	1	mg/L	X	X	
	Carbonate (CO3)	1	mg/L	X	X	
	Hydroxide (OH)	1	mg/L	X	X	
	Total Ammonia (N)	0.015	mg/L	X	X	
	Bromide (Br)	0.01	mg/L	X	X	
	Dissolved Organic Carbon (C)	0.5	mg/L	X	X	
	Total Organic Carbon (C)	0.5	mg/L	X	X	
	Chloride (Cl)	1	mg/L	X	X	
	Sulphate (SO4)	1	mg/L	X	X	
	Total Chromium III	0.002	mg/L	X	X	
	Dissolved Aluminum (Al)	0.5	ug/L	X	X	
	Dissolved Antimony (Sb)	0.02	ug/L	X	X	
	Dissolved Arsenic (As)	0.02	ug/L	X	X	
	Dissolved Barium (Ba)	0.02	ug/L	X	X	
	Dissolved Beryllium (Be)	0.01	ug/L	X	X	
	Dissolved Bismuth (Bi)	0.005	ug/L	X	X	
	Dissolved Boron (B)	10	ug/L	X	X	
	Dissolved Cadmium (Cd)	0.005	ug/L	X	X	
	Dissolved Cesium (Cs)	0.05	ug/L	X	X	
	Dissolved Chromium (Cr)	0.1	ug/L	X	X	
	Dissolved Cobalt (Co)	0.005	ug/L	X	X	
	Dissolved Copper (Cu)	0.05	ug/L	X	X	
	Dissolved Iron (Fe)	1	ug/L	X	X	
	Dissolved Lead (Pb)	0.005	ug/L	X	X	
	Dissolved Lithium (Li)	0.5	ug/L	X	X	
	Dissolved Manganese (Mn)	0.05	ug/L	X	X	
	Dissolved Molybdenum (Mo)	0.05	ug/L	X	X	
	Dissolved Nickel (Ni)	0.02	ug/L	X	X	
	Dissolved Phosphorus (P)	2	ug/L	X	X	
	Dissolved Rubidium (Rb)	0.05	ug/L	X	X	
	Dissolved Selenium (Se)	0.04	ug/L	X	X	
	Dissolved Silicon (Si)	50	ug/L	X	X	



Parameter Summary

Package/Test	Parameter	RDL	Unit	Set 1	Set 2	Set 3
Woodfibre 2025	Dissolved Silver (Ag)	0.005	ug/L	X	X	
	Dissolved Strontium (Sr)	0.05	ug/L	X	X	
	Dissolved Tellurium (Te)	0.02	ug/L	X	X	
	Dissolved Thallium (Tl)	0.002	ug/L	X	X	
	Dissolved Thorium (Th)	0.005	ug/L	X	X	
	Dissolved Tin (Sn)	0.2	ug/L	X	X	
	Dissolved Titanium (Ti)	0.5	ug/L	X	X	
	Dissolved Uranium (U)	0.002	ug/L	X	X	
	Dissolved Vanadium (V)	0.2	ug/L	X	X	
	Dissolved Zinc (Zn)	0.1	ug/L	X	X	
	Dissolved Zirconium (Zr)	0.1	ug/L	X	X	
	Total Aluminum (Al)	0.5	ug/L	X	X	
	Total Antimony (Sb)	0.02	ug/L	X	X	
	Total Arsenic (As)	0.02	ug/L	X	X	
	Total Barium (Ba)	0.02	ug/L	X	X	
	Total Beryllium (Be)	0.01	ug/L	X	X	
	Total Bismuth (Bi)	0.005	ug/L	X	X	
	Total Boron (B)	10	ug/L	X	X	
	Total Cadmium (Cd)	0.005	ug/L	X	X	
	Total Cesium (Cs)	0.05	ug/L	X	X	
	Total Chromium (Cr)	0.1	ug/L	X	X	
	Total Cobalt (Co)	0.005	ug/L	X	X	
	Total Copper (Cu)	0.05	ug/L	X	X	
	Total Iron (Fe)	1	ug/L	X	X	
	Total Lead (Pb)	0.005	ug/L	X	X	
	Total Lithium (Li)	0.5	ug/L	X	X	
	Total Manganese (Mn)	0.05	ug/L	X	X	
	Total Molybdenum (Mo)	0.05	ug/L	X	X	
	Total Nickel (Ni)	0.02	ug/L	X	X	
	Total Phosphorus (P)	2	ug/L	X	X	
	Total Rubidium (Rb)	0.05	ug/L	X	X	
	Total Selenium (Se)	0.04	ug/L	X	X	
	Total Silicon (Si)	50	ug/L	X	X	
	Total Silver (Ag)	0.005	ug/L	X	X	
	Total Strontium (Sr)	0.05	ug/L	X	X	
	Total Tellurium (Te)	0.02	ug/L	X	X	
	Total Thallium (Tl)	0.002	ug/L	X	X	
	Total Thorium (Th)	0.05	ug/L	X	X	
	Total Tin (Sn)	0.2	ug/L	X	X	
	Total Titanium (Ti)	0.5	ug/L	X	X	



Parameter Summary

Package/Test	Parameter	RDL	Unit	Set 1	Set 2	Set 3
Woodfibre 2025	Total Uranium (U)	0.002	ug/L	X	X	
	Total Vanadium (V)	0.2	ug/L	X	X	
	Total Zinc (Zn)	0.1	ug/L	X	X	
	Total Zirconium (Zr)	0.1	ug/L	X	X	
	Field pH	N/A	pH	X	X	
	Field Temperature	N/A	°C	X	X	
	Dissolved Fluoride (F)	0.05	mg/L	X	X	
	Dissolved Hardness (CaCO3)	0.5	mg/L	X	X	
	Total Hardness (CaCO3)	0.5	mg/L	X	X	
	Dissolved Mercury (Hg)	0.0019	ug/L	X	X	
	Total Mercury (Hg)	0.0019	ug/L	X	X	
	Dissolved Calcium (Ca)	0.01	mg/L	X	X	
	Dissolved Magnesium (Mg)	0.01	mg/L	X	X	
	Dissolved Potassium (K)	0.01	mg/L	X	X	
	Dissolved Sodium (Na)	0.01	mg/L	X	X	
	Dissolved Sulphur (S)	0.6	mg/L	X	X	
	Total Calcium (Ca)	0.01	mg/L	X	X	
	Total Magnesium (Mg)	0.01	mg/L	X	X	
	Total Potassium (K)	0.01	mg/L	X	X	
	Total Sodium (Na)	0.01	mg/L	X	X	
	Total Sulphur (S)	0.6	mg/L	X	X	
	Nitrate plus Nitrite (N)	0.02	mg/L	X	X	
	Nitrite (N)	0.005	mg/L	X	X	
	Nitrate (N)	0.02	mg/L	X	X	
	Total Nitrogen (N)	0.02	mg/L	X	X	
	pH	N/A	pH	X	X	
	Sulphide (as H2S)	N/A	mg/L	X	X	
	Total Dissolved Solids	10	mg/L	X	X	
	Total Hex. Chromium (Cr 6+)	0.00099	mg/L	X	X	
	Total Phosphorus (P)	0.001	mg/L	X	X	
	Total Sulphide	0.0018	mg/L	X	X	
	Total Suspended Solids	1	mg/L	X	X	
	Total Un-ionized Hydrogen Sulfide as S	0.0018	mg/L	X	X	
	Total Un-ionized Hydrogen Sulfide as H2S	0.0019	mg/L	X	X	
Woodfibre Additional 2025	EPH (C10-C19)	0.2	mg/L		X	
	EPH (C19-C32)	0.2	mg/L		X	
	LEPH (C10-C19 less PAH)	0.2	mg/L		X	
	HEPH (C19-C32 less PAH)	0.2	mg/L		X	
	Ethylene Glycol	3	mg/L		X	
	Diethylene Glycol	5	mg/L		X	



Parameter Summary

Package/Test	Parameter	RDL	Unit	Set 1	Set 2	Set 3
Woodfibre Additional 2025	Triethylene Glycol	5	mg/L		X	
	Propylene Glycol	5	mg/L		X	
	Quinoline	0.02	ug/L		X	
	Naphthalene	0.1	ug/L		X	
	1-Methylnaphthalene	0.05	ug/L		X	
	2-Methylnaphthalene	0.1	ug/L		X	
	Acenaphthylene	0.05	ug/L		X	
	Acenaphthene	0.05	ug/L		X	
	Fluorene	0.05	ug/L		X	
	Phenanthrene	0.05	ug/L		X	
	Anthracene	0.01	ug/L		X	
	Acridine	0.05	ug/L		X	
	Fluoranthene	0.02	ug/L		X	
	Pyrene	0.02	ug/L		X	
	Benzo(a)anthracene	0.01	ug/L		X	
	Chrysene	0.02	ug/L		X	
	Benzo(b&j)fluoranthene	0.03	ug/L		X	
	Benzo(k)fluoranthene	0.05	ug/L		X	
	Benzo(a)pyrene	0.005	ug/L		X	
	Indeno(1,2,3-cd)pyrene	0.05	ug/L		X	
	Dibenz(a,h)anthracene	0.003	ug/L		X	
	Benzo(g,h,i)perylene	0.05	ug/L		X	
	Phenols	0.0015	mg/L		X	
	Low Molecular Weight PAH's	0.5	ug/L		X	
	High Molecular Weight PAH's	0.05	ug/L		X	
	Total PAH	0.5	ug/L		X	
	VH C6-C10	300	ug/L		X	
	1,1,1,2-tetrachloroethane	0.5	ug/L		X	
	1,1,1-trichloroethane	0.5	ug/L		X	
	1,1,2,2-tetrachloroethane	0.5	ug/L		X	
	1,1,2Trichloro-1,2,2Trifluoroethane	2	ug/L		X	
	1,1,2-trichloroethane	0.5	ug/L		X	
	1,1-dichloroethane	0.5	ug/L		X	
	1,1-dichloroethene	0.5	ug/L		X	
	1,2,3-trichlorobenzene	2	ug/L		X	
	1,2,4-trichlorobenzene	2	ug/L		X	
	1,2-dibromoethane	0.2	ug/L		X	
	1,2-dichlorobenzene	0.5	ug/L		X	
	1,2-dichloroethane	0.5	ug/L		X	
	1,2-dichloropropane	0.5	ug/L		X	

Parameter Summary

Package/Test	Parameter	RDL	Unit	Set 1	Set 2	Set 3
Woodfibre Additional 2025	1,3,5-trimethylbenzene	2	ug/L		X	
	1,3-Butadiene	0.5	ug/L		X	
	1,3-dichlorobenzene	0.5	ug/L		X	
	1,3-dichloropropane	1	ug/L		X	
	1,4-dichlorobenzene	0.5	ug/L		X	
	Benzene	0.4	ug/L		X	
	Bromobenzene	2	ug/L		X	
	Bromodichloromethane	1	ug/L		X	
	Bromoform	1	ug/L		X	
	Bromomethane	1	ug/L		X	
	Carbon tetrachloride	0.5	ug/L		X	
	Chlorobenzene	0.5	ug/L		X	
	Dibromochloromethane	1	ug/L		X	
	Chloroethane	1	ug/L		X	
	Chloroform	1	ug/L		X	
	Chloromethane	1	ug/L		X	
	cis-1,2-dichloroethene	1	ug/L		X	
	cis-1,3-dichloropropene	1	ug/L		X	
	Dichlorodifluoromethane	2	ug/L		X	
	Dichloromethane	2	ug/L		X	
	Ethylbenzene	0.4	ug/L		X	
	Hexachlorobutadiene	0.5	ug/L		X	
	Isopropylbenzene	2	ug/L		X	
	Methyl-tert-butylether (MTBE)	4	ug/L		X	
	Styrene	0.5	ug/L		X	
	Tetrachloroethene	0.5	ug/L		X	
	Toluene	0.4	ug/L		X	
	trans-1,2-dichloroethene	1	ug/L		X	
	trans-1,3-dichloropropene	1	ug/L		X	
	Trichloroethene	0.5	ug/L		X	
	Trichlorofluoromethane	4	ug/L		X	
	Vinyl chloride	0.5	ug/L		X	
	m & p-Xylene	0.4	ug/L		X	
	o-Xylene	0.4	ug/L		X	
	Xylenes (Total)	0.4	ug/L		X	
	VPH (VH6 to 10 - BTEX)	300	ug/L		X	
Woodfibre Blank 2025	Alkalinity (PP as CaCO3)	1	mg/L			X
	Alkalinity (Total as CaCO3)	1	mg/L			X
	Bicarbonate (HCO3)	1	mg/L			X
	Carbonate (CO3)	1	mg/L			X

Parameter Summary

Package/Test	Parameter	RDL	Unit	Set 1	Set 2	Set 3
Woodfibre Blank 2025	Hydroxide (OH)	1	mg/L			X
	Total Ammonia (N)	0.015	mg/L			X
	Bromide (Br)	0.01	mg/L			X
	Dissolved Organic Carbon (C)	0.5	mg/L			X
	Total Organic Carbon (C)	0.5	mg/L			X
	Chloride (Cl)	1	mg/L			X
	Sulphate (SO4)	1	mg/L			X
	Total Chromium III	0.002	mg/L			X
	Dissolved Aluminum (Al)	0.5	ug/L			X
	Dissolved Antimony (Sb)	0.02	ug/L			X
	Dissolved Arsenic (As)	0.02	ug/L			X
	Dissolved Barium (Ba)	0.02	ug/L			X
	Dissolved Beryllium (Be)	0.01	ug/L			X
	Dissolved Bismuth (Bi)	0.005	ug/L			X
	Dissolved Boron (B)	10	ug/L			X
	Dissolved Cadmium (Cd)	0.005	ug/L			X
	Dissolved Cesium (Cs)	0.05	ug/L			X
	Dissolved Chromium (Cr)	0.1	ug/L			X
	Dissolved Cobalt (Co)	0.005	ug/L			X
	Dissolved Copper (Cu)	0.05	ug/L			X
	Dissolved Iron (Fe)	1	ug/L			X
	Dissolved Lead (Pb)	0.005	ug/L			X
	Dissolved Lithium (Li)	0.5	ug/L			X
	Dissolved Manganese (Mn)	0.05	ug/L			X
	Dissolved Molybdenum (Mo)	0.05	ug/L			X
	Dissolved Nickel (Ni)	0.02	ug/L			X
	Dissolved Phosphorus (P)	2	ug/L			X
	Dissolved Rubidium (Rb)	0.05	ug/L			X
	Dissolved Selenium (Se)	0.04	ug/L			X
	Dissolved Silicon (Si)	50	ug/L			X
	Dissolved Silver (Ag)	0.005	ug/L			X
	Dissolved Strontium (Sr)	0.05	ug/L			X
	Dissolved Tellurium (Te)	0.02	ug/L			X
	Dissolved Thallium (Tl)	0.002	ug/L			X
	Dissolved Thorium (Th)	0.005	ug/L			X
	Dissolved Tin (Sn)	0.2	ug/L			X
	Dissolved Titanium (Ti)	0.5	ug/L			X
	Dissolved Uranium (U)	0.002	ug/L			X
	Dissolved Vanadium (V)	0.2	ug/L			X
	Dissolved Zinc (Zn)	0.1	ug/L			X



Parameter Summary

Package/Test	Parameter	RDL	Unit	Set 1	Set 2	Set 3
Woodfibre Blank 2025	Dissolved Zirconium (Zr)	0.1	ug/L			X
	Total Aluminum (Al)	0.5	ug/L			X
	Total Antimony (Sb)	0.02	ug/L			X
	Total Arsenic (As)	0.02	ug/L			X
	Total Barium (Ba)	0.02	ug/L			X
	Total Beryllium (Be)	0.01	ug/L			X
	Total Bismuth (Bi)	0.005	ug/L			X
	Total Boron (B)	10	ug/L			X
	Total Cadmium (Cd)	0.005	ug/L			X
	Total Cesium (Cs)	0.05	ug/L			X
	Total Chromium (Cr)	0.1	ug/L			X
	Total Cobalt (Co)	0.005	ug/L			X
	Total Copper (Cu)	0.05	ug/L			X
	Total Iron (Fe)	1	ug/L			X
	Total Lead (Pb)	0.005	ug/L			X
	Total Lithium (Li)	0.5	ug/L			X
	Total Manganese (Mn)	0.05	ug/L			X
	Total Molybdenum (Mo)	0.05	ug/L			X
	Total Nickel (Ni)	0.02	ug/L			X
	Total Phosphorus (P)	2	ug/L			X
	Total Rubidium (Rb)	0.05	ug/L			X
	Total Selenium (Se)	0.04	ug/L			X
	Total Silicon (Si)	50	ug/L			X
	Total Silver (Ag)	0.005	ug/L			X
	Total Strontium (Sr)	0.05	ug/L			X
	Total Tellurium (Te)	0.02	ug/L			X
	Total Thallium (Tl)	0.002	ug/L			X
	Total Thorium (Th)	0.05	ug/L			X
	Total Tin (Sn)	0.2	ug/L			X
	Total Titanium (Ti)	0.5	ug/L			X
	Total Uranium (U)	0.002	ug/L			X
	Total Vanadium (V)	0.2	ug/L			X
	Total Zinc (Zn)	0.1	ug/L			X
	Total Zirconium (Zr)	0.1	ug/L			X
	Dissolved Fluoride (F)	0.05	mg/L			X
	Dissolved Hardness (CaCO3)	0.5	mg/L			X
	Total Hardness (CaCO3)	0.5	mg/L			X
	Dissolved Mercury (Hg)	0.0019	ug/L			X
	Total Mercury (Hg)	0.0019	ug/L			X
	Dissolved Calcium (Ca)	0.01	mg/L			X



Parameter Summary

Package/Test	Parameter	RDL	Unit	Set 1	Set 2	Set 3
Woodfibre Blank 2025	Dissolved Magnesium (Mg)	0.01	mg/L			X
	Dissolved Potassium (K)	0.01	mg/L			X
	Dissolved Sodium (Na)	0.01	mg/L			X
	Dissolved Sulphur (S)	0.6	mg/L			X
	Total Calcium (Ca)	0.01	mg/L			X
	Total Magnesium (Mg)	0.01	mg/L			X
	Total Potassium (K)	0.01	mg/L			X
	Total Sodium (Na)	0.01	mg/L			X
	Total Sulphur (S)	0.6	mg/L			X
	Nitrate plus Nitrite (N)	0.02	mg/L			X
	Nitrite (N)	0.005	mg/L			X
	Nitrate (N)	0.02	mg/L			X
	Total Nitrogen (N)	0.02	mg/L			X
	pH	N/A	pH			X
	Sulphide (as H ₂ S)	N/A	mg/L			X
	Total Dissolved Solids	10	mg/L			X
	Total Hex. Chromium (Cr 6+)	0.00099	mg/L			X
	Total Phosphorus (P)	0.001	mg/L			X
	Total Sulphide	0.0018	mg/L			X
	Total Suspended Solids	1	mg/L			X

*RDLs are subject to change based on interferences present at the time of analysis.



Cost Estimate

#	Description	Matrix	Quote #	Rate	Test Total
5	Woodfibre 2025	WATER	C50083	\$ 220.00	\$ 1,100.00
1	Woodfibre Additional 2025	WATER	C50083	\$ 182.50	\$ 182.50
2	Woodfibre Blank 2025	WATER	C50083	\$ 220.00	\$ 440.00
7	Filtration (Mercury)	WATER	C50083	\$ 15.00	\$ 105.00
7	Filtration (Metals)	WATER	C50083	\$ 15.00	\$ 105.00
Total (excluding applicable taxes):					\$ 1,932.50

Prices listed above are estimates only and are subject to change

CERTIFICATE OF ANALYSIS

Work Order	: VA25C2289		
Amendment	: 3		
Client	: Frontier-Kemper Michels Joint Venture	Laboratory	: ALS Environmental - Vancouver
Contact	: Sara Derakhshi	Account Manager	: Kevin Bhikadia
Address	: 404-850 Harbourside Drive North Vancouver British Columbia Canada V7P 0A3	Address	: 8081 Lougheed Highway Burnaby BC Canada V5A 1W9
Telephone	: ----	E-mail	: Kevin.Bhikadia@alsglobal.com
Project	: EGP 150	Telephone	: +1 604 253 4188
PO	: ----	Date Samples Received	: 29-Aug-2025 18:30
C-O-C number	: ----	Date Analysis Commenced	: 29-Aug-2025
Sampler	: ----	Issue Date	: 04-Sep-2025 22:21
Site	: BCR		
Quote number	: WTP Discharge		
No. of samples received	: 1		
No. of samples analysed	: 1		

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted. This document shall not be reproduced, except in full.

This Certificate of Analysis contains the following information:

- General Comments
- Analytical Results
- Surrogate Control Limits

Additional information pertinent to this report will be found in the following separate attachments: Quality Control Report, QC Interpretive report to assist with Quality Review and Sample Receipt Notification (SRN).

Signatories

This document has been electronically signed by the authorized signatories below. Electronic signing is conducted in accordance with US FDA 21 CFR Part 11.

<i>Signatories</i>	<i>Position</i>	<i>Laboratory Department</i>
Cecilia Zhang		Administration, Burnaby, British Columbia
Chau Tran		Metals, Burnaby, British Columbia
Hyunduck Suk		Inorganics, Burnaby, British Columbia
James Diacon		Inorganics, Edmonton, Alberta
Janice Leung		Organics, Burnaby, British Columbia
Kate Dimitrova		Inorganics, Burnaby, British Columbia
Kevin Duarte		Metals, Burnaby, British Columbia
Kimia Taheri		Metals, Burnaby, British Columbia
Leon Yang		Inorganics, Burnaby, British Columbia
Lindsay Gung		Inorganics, Burnaby, British Columbia
Monica Ko		Inorganics, Burnaby, British Columbia
Ophelia Chiu		Organics, Burnaby, British Columbia



General Comments

The analytical methods used by ALS are developed using internationally recognized reference methods (where available), such as those published by US EPA, APHA Standard Methods, ASTM, ISO, Environment Canada, BC MOE, and Ontario MOE. Refer to the ALS Quality Control Interpretive report (QCI) for applicable references and methodology summaries. Reference methods may incorporate modifications to improve performance.

Where a reported less than (<) result is higher than the LOR, this may be due to primary sample extract/digestate dilution and/or insufficient sample for analysis.

Where the LOR of a reported result differs from standard LOR, this may be due to high moisture content, insufficient sample (reduced weight employed) or matrix interference.

Please refer to Quality Control Interpretive report (QCI) for information regarding Holding Time compliance.

Key: CAS Number: Chemical Abstracts Services number is a unique identifier assigned to discrete substances.
LOR: Limit of Reporting (detection limit).

Unit	Description
-	no units
°C	degrees celsius
mg/L	milligrams per litre
mV	millivolts
NTU	nephelometric turbidity units
pH units	pH units
µg/L	micrograms per litre
µS/cm	microsiemens per centimetre

<: less than.

>: greater than.

Surrogate: An analyte that is similar in behavior to target analyte(s), but that does not occur naturally in environmental samples. For applicable tests, surrogates are added to samples prior to analysis as a check on recovery.

Test results reported relate only to the samples as received by the laboratory.

UNLESS OTHERWISE STATED on SRN or QCI Report, ALL SAMPLES WERE RECEIVED IN ACCEPTABLE CONDITION.

Workorder Comments

Amendment 1 (03/09/2025): This report has been amended and re-released to allow the reporting of additional analytical data.

Amendment 2 (03/09/2025): This report has been amended and re-released to allow the reporting of additional analytical data.

Amendment 3 (04/09/2025): This report has been amended and re-released to allow the reporting of additional analytical data.



Qualifiers

Qualifier	Description
DLM	Detection Limit Adjusted due to sample matrix effects (e.g. chemical interference, colour, turbidity).



Analytical Results

Sub-Matrix: Water

(Matrix: Water)

Client sample ID					WTP	----	----	----	----
Client sampling date / time					29-Aug-2025 15:00	----	----	----	----
Analyte	CAS Number	Method/Lab	LOR	Unit	VA25C2289-001	----	----	----	----
Result					Result	----	----	----	----
Field Tests									
pH, field	----	EF001/VA	0.10	pH units	7.57	----	----	----	----
Temperature, field	----	EF001/VA	0.10	°C	25.5	----	----	----	----
Sample Preparation									
Dissolved carbon filtration location	----	EP358/VA	-	-	lab	----	----	----	----
Physical Tests									
Alkalinity, bicarbonate (as CaCO ₃)	----	E290/VA	2.0	mg/L	43.6	----	----	----	----
Alkalinity, carbonate (as CaCO ₃)	----	E290/VA	2.0	mg/L	<2.0	----	----	----	----
Alkalinity, hydroxide (as CaCO ₃)	----	E290/VA	2.0	mg/L	<2.0	----	----	----	----
Alkalinity, phenolphthalein (as CaCO ₃)	----	E290/VA	2.0	mg/L	<2.0	----	----	----	----
Alkalinity, total (as CaCO ₃)	----	E290/VA	2.0	mg/L	43.6	----	----	----	----
Conductivity	----	E100/VA	2.0	µS/cm	934	----	----	----	----
Hardness (as CaCO ₃), dissolved	----	EC100/VA	0.50	mg/L	26.9	----	----	----	----
Hardness (as CaCO ₃), from total Ca/Mg	----	EC100A/VA	0.50	mg/L	27.7	----	----	----	----
Oxidation-reduction potential [ORP]	----	E125/VA	0.10	mV	213	----	----	----	----
pH	----	E108/VA	0.10	pH units	6.98	----	----	----	----
Solids, total dissolved [TDS]	----	E162/VA	10	mg/L	523	----	----	----	----
Solids, total suspended [TSS]	----	E160/VA	3.0	mg/L	<3.0	----	----	----	----
Turbidity	----	E121/VA	0.10	NTU	0.52	----	----	----	----
Anions and Nutrients									
Ammonia, total (as N)	7664-41-7	E298/VA	0.0050	mg/L	0.271	----	----	----	----
Ammonium (as NH ₄), field	14798-03-9	EC298A/VA	0.0010	mg/L	0.342	----	----	----	----



Analytical Results

Sub-Matrix: Water

(Matrix: Water)

					Client sample ID	WTP	----	----	----	----
					Client sampling date / time	29-Aug-2025 15:00	----	----	----	----
Analyte	CAS Number	Method/Lab	LOR	Unit	VA25C2289-001	----	----	----	----	----
					Result	----	----	----	----	----
Anions and Nutrients										
Bromide	24959-67-9	E235.Br-L/VA	0.050	mg/L	0.738	----	----	----	----	----
Chloride	16887-00-6	E235.Cl/VA	0.50	mg/L	254	----	----	----	----	----
Fluoride	16984-48-8	E235.F/VA	0.020	mg/L	0.133	----	----	----	----	----
Nitrate (as N)	14797-55-8	E235.NO3-L/VA	0.0050	mg/L	0.0448	----	----	----	----	----
Nitrite (as N)	14797-65-0	E235.NO2-L/VA	0.0010	mg/L	0.0239	----	----	----	----	----
Nitrogen, total	7727-37-9	E366/VA	0.030	mg/L	0.499	----	----	----	----	----
Phosphorus, total	7723-14-0	E372-U/VA	0.0020	mg/L	0.0364	----	----	----	----	----
Sulfate (as SO4)	14808-79-8	E235.SO4/VA	0.30	mg/L	25.0	----	----	----	----	----
Organic / Inorganic Carbon										
Carbon, dissolved organic [DOC]	----	E358-L/VA	0.50	mg/L	1.90	----	----	----	----	----
Carbon, total organic [TOC]	----	E355-L/VA	0.50	mg/L	1.93	----	----	----	----	----
Total Metals										
Aluminum, total	7429-90-5	E420/VA	0.0030	mg/L	0.0047	----	----	----	----	----
Antimony, total	7440-36-0	E420/VA	0.00010	mg/L	0.00032	----	----	----	----	----
Arsenic, total	7440-38-2	E420/VA	0.00010	mg/L	0.00055	----	----	----	----	----
Barium, total	7440-39-3	E420/VA	0.00010	mg/L	0.00993	----	----	----	----	----
Beryllium, total	7440-41-7	E420/VA	0.000020	mg/L	<0.000020	----	----	----	----	----
Bismuth, total	7440-69-9	E420/VA	0.000050	mg/L	<0.000050	----	----	----	----	----
Boron, total	7440-42-8	E420/VA	0.010	mg/L	0.266	----	----	----	----	----
Cadmium, total	7440-43-9	E420/VA	0.0000050	mg/L	<0.0000150 ^{DLM}	----	----	----	----	----
Calcium, total	7440-70-2	E420/VA	0.050	mg/L	7.39	----	----	----	----	----



Analytical Results

Sub-Matrix: Water

(Matrix: Water)

					Client sample ID	WTP	----	----	----	----
					Client sampling date / time	29-Aug-2025 15:00	----	----	----	----
Analyte	CAS Number	Method/Lab	LOR	Unit	VA25C2289-001	----	----	----	----	----
					Result	----	----	----	----	----
Total Metals										
Cesium, total	7440-46-2	E420/VA	0.000010	mg/L	0.000118	----	----	----	----	----
Chromium, total	7440-47-3	E420/VA	0.00050	mg/L	<0.00050	----	----	----	----	----
Cobalt, total	7440-48-4	E420/VA	0.00010	mg/L	<0.00010	----	----	----	----	----
Copper, total	7440-50-8	E420/VA	0.00050	mg/L	0.00108	----	----	----	----	----
Iron, total	7439-89-6	E420/VA	0.010	mg/L	0.065	----	----	----	----	----
Lead, total	7439-92-1	E420/VA	0.000050	mg/L	0.000078	----	----	----	----	----
Lithium, total	7439-93-2	E420/VA	0.0010	mg/L	0.0024	----	----	----	----	----
Magnesium, total	7439-95-4	E420/VA	0.0050	mg/L	2.24	----	----	----	----	----
Manganese, total	7439-96-5	E420/VA	0.00010	mg/L	0.00115	----	----	----	----	----
Molybdenum, total	7439-98-7	E420/VA	0.000050	mg/L	0.0326	----	----	----	----	----
Nickel, total	7440-02-0	E420/VA	0.00050	mg/L	<0.00050	----	----	----	----	----
Phosphorus, total	7723-14-0	E420/VA	0.050	mg/L	<0.050	----	----	----	----	----
Potassium, total	7440-09-7	E420/VA	0.050	mg/L	11.5	----	----	----	----	----
Rubidium, total	7440-17-7	E420/VA	0.00020	mg/L	0.00408	----	----	----	----	----
Selenium, total	7782-49-2	E420/VA	0.000050	mg/L	0.000056	----	----	----	----	----
Silicon, total	7440-21-3	E420/VA	0.10	mg/L	7.34	----	----	----	----	----
Silver, total	7440-22-4	E420/VA	0.000010	mg/L	<0.000010	----	----	----	----	----
Sodium, total	7440-23-5	E420/VA	0.050	mg/L	183	----	----	----	----	----
Strontium, total	7440-24-6	E420/VA	0.00020	mg/L	0.0863	----	----	----	----	----
Sulfur, total	7704-34-9	E420/VA	0.50	mg/L	11.3	----	----	----	----	----
Tellurium, total	13494-80-9	E420/VA	0.00020	mg/L	<0.00020	----	----	----	----	----



Analytical Results

Sub-Matrix: Water
 (Matrix: Water)

					Client sample ID	WTP	----	----	----	----
					Client sampling date / time	29-Aug-2025 15:00	----	----	----	----
Analyte	CAS Number	Method/Lab	LOR	Unit	VA25C2289-001	----	----	----	----	----
					Result	----	----	----	----	----
Total Metals										
Thallium, total	7440-28-0	E420/VA	0.000010	mg/L	<0.000010	----	----	----	----	----
Thorium, total	7440-29-1	E420/VA	0.00010	mg/L	<0.00010	----	----	----	----	----
Tin, total	7440-31-5	E420/VA	0.00010	mg/L	<0.00010	----	----	----	----	----
Titanium, total	7440-32-6	E420/VA	0.00030	mg/L	<0.00030	----	----	----	----	----
Tungsten, total	7440-33-7	E420/VA	0.00010	mg/L	0.00025	----	----	----	----	----
Uranium, total	7440-61-1	E420/VA	0.000010	mg/L	<0.000010	----	----	----	----	----
Vanadium, total	7440-62-2	E420/VA	0.00050	mg/L	0.00113	----	----	----	----	----
Zinc, total	7440-66-6	E420/VA	0.0030	mg/L	0.0044	----	----	----	----	----
Zirconium, total	7440-67-7	E420/VA	0.00020	mg/L	<0.00020	----	----	----	----	----
Dissolved Metals										
Aluminum, dissolved	7429-90-5	E421/VA	0.0010	mg/L	0.0022	----	----	----	----	----
Antimony, dissolved	7440-36-0	E421/VA	0.00010	mg/L	0.00030	----	----	----	----	----
Arsenic, dissolved	7440-38-2	E421/VA	0.00010	mg/L	0.00051	----	----	----	----	----
Barium, dissolved	7440-39-3	E421/VA	0.00010	mg/L	0.00887	----	----	----	----	----
Beryllium, dissolved	7440-41-7	E421/VA	0.000020	mg/L	<0.000020	----	----	----	----	----
Bismuth, dissolved	7440-69-9	E421/VA	0.000050	mg/L	<0.000050	----	----	----	----	----
Boron, dissolved	7440-42-8	E421/VA	0.010	mg/L	0.254	----	----	----	----	----
Cadmium, dissolved	7440-43-9	E421/VA	0.0000050	mg/L	<0.0000100 ^{DLM}	----	----	----	----	----
Calcium, dissolved	7440-70-2	E421/VA	0.050	mg/L	7.01	----	----	----	----	----
Cesium, dissolved	7440-46-2	E421/VA	0.000010	mg/L	0.000119	----	----	----	----	----
Chromium, dissolved	7440-47-3	E421/VA	0.00050	mg/L	<0.00050	----	----	----	----	----



Analytical Results

Sub-Matrix: Water

(Matrix: Water)

					Client sample ID	WTP	----	----	----	----
					Client sampling date / time	29-Aug-2025 15:00	----	----	----	----
Analyte	CAS Number	Method/Lab	LOR	Unit	VA25C2289-001	----	----	----	----	----
					Result	----	----	----	----	----
Dissolved Metals										
Cobalt, dissolved	7440-48-4	E421/VA	0.00010	mg/L	<0.00010	----	----	----	----	----
Copper, dissolved	7440-50-8	E421/VA	0.00020	mg/L	0.00097	----	----	----	----	----
Iron, dissolved	7439-89-6	E421/VA	0.010	mg/L	0.046	----	----	----	----	----
Lead, dissolved	7439-92-1	E421/VA	0.000050	mg/L	0.000057	----	----	----	----	----
Lithium, dissolved	7439-93-2	E421/VA	0.0010	mg/L	0.0024	----	----	----	----	----
Magnesium, dissolved	7439-95-4	E421/VA	0.0050	mg/L	2.28	----	----	----	----	----
Manganese, dissolved	7439-96-5	E421/VA	0.00010	mg/L	0.00094	----	----	----	----	----
Molybdenum, dissolved	7439-98-7	E421/VA	0.000050	mg/L	0.0324	----	----	----	----	----
Nickel, dissolved	7440-02-0	E421/VA	0.00050	mg/L	<0.00050	----	----	----	----	----
Phosphorus, dissolved	7723-14-0	E421/VA	0.050	mg/L	<0.050	----	----	----	----	----
Potassium, dissolved	7440-09-7	E421/VA	0.050	mg/L	11.5	----	----	----	----	----
Rubidium, dissolved	7440-17-7	E421/VA	0.00020	mg/L	0.00415	----	----	----	----	----
Selenium, dissolved	7782-49-2	E421/VA	0.000050	mg/L	0.000058	----	----	----	----	----
Silicon, dissolved	7440-21-3	E421/VA	0.050	mg/L	6.39	----	----	----	----	----
Silver, dissolved	7440-22-4	E421/VA	0.000010	mg/L	<0.000010	----	----	----	----	----
Sodium, dissolved	7440-23-5	E421/VA	0.050	mg/L	168	----	----	----	----	----
Strontium, dissolved	7440-24-6	E421/VA	0.00020	mg/L	0.0862	----	----	----	----	----
Sulfur, dissolved	7704-34-9	E421/VA	0.50	mg/L	10.4	----	----	----	----	----
Tellurium, dissolved	13494-80-9	E421/VA	0.00020	mg/L	<0.00020	----	----	----	----	----
Thallium, dissolved	7440-28-0	E421/VA	0.000010	mg/L	<0.000010	----	----	----	----	----
Thorium, dissolved	7440-29-1	E421/VA	0.00010	mg/L	<0.00010	----	----	----	----	----



Analytical Results

Sub-Matrix: Water

(Matrix: Water)

					Client sample ID	WTP	----	----	----	----
					Client sampling date / time	29-Aug-2025 15:00	----	----	----	----
Analyte	CAS Number	Method/Lab	LOR	Unit	VA25C2289-001	----	----	----	----	----
					Result	----	----	----	----	----
Dissolved Metals										
Tin, dissolved	7440-31-5	E421/VA	0.00010	mg/L	<0.00010	----	----	----	----	----
Titanium, dissolved	7440-32-6	E421/VA	0.00030	mg/L	<0.00030	----	----	----	----	----
Tungsten, dissolved	7440-33-7	E421/VA	0.00010	mg/L	0.00021	----	----	----	----	----
Uranium, dissolved	7440-61-1	E421/VA	0.000010	mg/L	<0.000010	----	----	----	----	----
Vanadium, dissolved	7440-62-2	E421/VA	0.00050	mg/L	0.00103	----	----	----	----	----
Zinc, dissolved	7440-66-6	E421/VA	0.0010	mg/L	0.0069	----	----	----	----	----
Zirconium, dissolved	7440-67-7	E421/VA	0.00030	mg/L	<0.00030	----	----	----	----	----
Dissolved metals filtration location	----	EP421/VA	-	-	Field	----	----	----	----	----
Aggregate Organics										
Phenols, total (4AAP)	----	E562/EO	0.0010	mg/L	<0.0010	----	----	----	----	----
Volatile Organic Compounds										
Chlorobenzene	108-90-7	E611C/VA	0.50	µg/L	<0.50	----	----	----	----	----
Chloromethane	74-87-3	E611C/VA	5.0	µg/L	<5.0	----	----	----	----	----
Dichlorobenzene, 1,2-	95-50-1	E611C/VA	0.50	µg/L	<0.50	----	----	----	----	----
Dichlorobenzene, 1,3-	541-73-1	E611C/VA	0.50	µg/L	<0.50	----	----	----	----	----
Dichlorobenzene, 1,4-	106-46-7	E611C/VA	0.50	µg/L	<0.50	----	----	----	----	----
Dichloropropane, 1,2-	78-87-5	E611C/VA	0.50	µg/L	<0.50	----	----	----	----	----
Dichloropropylene, cis-1,3-	10061-01-5	E611C/VA	0.50	µg/L	<0.50	----	----	----	----	----
Dichloropropylene, cis+trans-1,3-	542-75-6	E611C/VA	0.75	µg/L	<0.75	----	----	----	----	----
Tetrachloroethane, 1,1,1,2-	630-20-6	E611C/VA	0.50	µg/L	<0.50	----	----	----	----	----
Tetrachloroethane, 1,1,2,2-	79-34-5	E611C/VA	0.20	µg/L	<0.20	----	----	----	----	----



Analytical Results

Sub-Matrix: Water

(Matrix: Water)

					Client sample ID	WTP				
					Client sampling date / time	29-Aug-2025 15:00				
Analyte	CAS Number	Method/Lab	LOR	Unit	VA25C2289-001					
					Result					
Volatile Organic Compounds										
Trichloroethane, 1,1,2-	79-00-5	E611C/VA	0.50	µg/L	<0.50					
Trichlorofluoromethane	75-69-4	E611C/VA	0.50	µg/L	<0.50					
Volatile Organic Compounds [Drycleaning]										
Carbon tetrachloride	56-23-5	E611C/VA	0.50	µg/L	<0.50					
Chloroethane	75-00-3	E611C/VA	0.50	µg/L	<0.50					
Dichloroethane, 1,1-	75-34-3	E611C/VA	0.50	µg/L	<0.50					
Dichloroethane, 1,2-	107-06-2	E611C/VA	0.50	µg/L	<0.50					
Dichloroethylene, 1,1-	75-35-4	E611C/VA	0.50	µg/L	<0.50					
Dichloroethylene, cis-1,2-	156-59-2	E611C/VA	0.50	µg/L	<0.50					
Dichloroethylene, trans-1,2-	156-60-5	E611C/VA	0.50	µg/L	<0.50					
Dichloromethane	75-09-2	E611C/VA	1.0	µg/L	<1.0					
Dichloropropylene, trans-1,3-	10061-02-6	E611C/VA	0.50	µg/L	<0.50					
Tetrachloroethylene	127-18-4	E611C/VA	0.50	µg/L	<0.50					
Trichloroethane, 1,1,1-	71-55-6	E611C/VA	0.50	µg/L	<0.50					
Trichloroethylene	79-01-6	E611C/VA	0.50	µg/L	<0.50					
Vinyl chloride	75-01-4	E611C/VA	0.40	µg/L	<0.40					
Volatile Organic Compounds [Fuels]										
Benzene	71-43-2	E611C/VA	0.50	µg/L	<0.50					
Ethylbenzene	100-41-4	E611C/VA	0.50	µg/L	<0.50					
Methyl-tert-butyl ether [MTBE]	1634-04-4	E611C/VA	0.50	µg/L	<0.50					
Styrene	100-42-5	E611C/VA	0.50	µg/L	<0.50					



Analytical Results

Sub-Matrix: Water

(Matrix: Water)

					Client sample ID	WTP				
					Client sampling date / time	29-Aug-2025 15:00				
Analyte	CAS Number	Method/Lab	LOR	Unit	VA25C2289-001					
					Result					
Volatile Organic Compounds [Fuels]										
Toluene	108-88-3	E611C/VA	0.40	µg/L	<0.40					
Xylene, m+p-	179601-23-1	E611C/VA	0.40	µg/L	<0.40					
Xylene, o-	95-47-6	E611C/VA	0.30	µg/L	<0.30					
Xylenes, total	1330-20-7	E611C/VA	0.50	µg/L	<0.50					
Volatile Organic Compounds [THMs]										
Bromodichloromethane	75-27-4	E611C/VA	0.50	µg/L	<0.50					
Bromoform	75-25-2	E611C/VA	0.50	µg/L	<0.50					
Chloroform	67-66-3	E611C/VA	0.50	µg/L	<0.50					
Dibromochloromethane	124-48-1	E611C/VA	0.50	µg/L	<0.50					
Hydrocarbons										
EPH (C10-C19)	----	E601A/VA	250	µg/L	<250					
EPH (C19-C32)	----	E601A/VA	250	µg/L	<250					
VHw (C6-C10)	----	E581.VH+F1/VA	100	µg/L	<100					
HEPHw	----	EC600A/VA	250	µg/L	<250					
LEPHw	----	EC600A/VA	250	µg/L	<250					
VPHw	----	EC580A/VA	100	µg/L	<100					
Hydrocarbons Surrogates										
Bromobenzotrifluoride, 2- (EPH surrogate)	392-83-6	E601A/VA	1.0	%	88.4					
Dichlorotoluene, 3,4-	95-75-0	E581.VH+F1/VA	1.0	%	92.0					
Volatile Organic Compounds Surrogates										
Bromofluorobenzene, 4-	460-00-4	E611C/VA	1.0	%	89.9					



Analytical Results

Sub-Matrix: Water

(Matrix: Water)

					Client sample ID	WTP	----	----	----	----
					Client sampling date / time	29-Aug-2025 15:00	----	----	----	----
Analyte	CAS Number	Method/Lab	LOR	Unit	VA25C2289-001	----	----	----	----	----
					Result	----	----	----	----	----
Volatile Organic Compounds Surrogates										
Difluorobenzene, 1,4-	540-36-3	E611C/VA	1.0	%	103	----	----	----	----	----
Polycyclic Aromatic Hydrocarbons										
Acenaphthene	83-32-9	E641A/VA	0.010	µg/L	<0.010	----	----	----	----	----
Acenaphthylene	208-96-8	E641A/VA	0.010	µg/L	<0.010	----	----	----	----	----
Acridine	260-94-6	E641A/VA	0.010	µg/L	<0.010	----	----	----	----	----
Anthracene	120-12-7	E641A/VA	0.010	µg/L	<0.010	----	----	----	----	----
Benz(a)anthracene	56-55-3	E641A/VA	0.010	µg/L	<0.010	----	----	----	----	----
Benzo(a)pyrene	50-32-8	E641A/VA	0.0050	µg/L	<0.0050	----	----	----	----	----
Benzo(b+j)fluoranthene	n/a	E641A/VA	0.010	µg/L	<0.010	----	----	----	----	----
Benzo(b+j+k)fluoranthene	n/a	E641A/VA	0.015	µg/L	<0.015	----	----	----	----	----
Benzo(g,h,i)perylene	191-24-2	E641A/VA	0.010	µg/L	<0.010	----	----	----	----	----
Benzo(k)fluoranthene	207-08-9	E641A/VA	0.010	µg/L	<0.010	----	----	----	----	----
Chrysene	218-01-9	E641A/VA	0.010	µg/L	<0.010	----	----	----	----	----
Dibenz(a,h)anthracene	53-70-3	E641A/VA	0.0050	µg/L	<0.0050	----	----	----	----	----
Fluoranthene	206-44-0	E641A/VA	0.010	µg/L	<0.010	----	----	----	----	----
Fluorene	86-73-7	E641A/VA	0.010	µg/L	<0.010	----	----	----	----	----
Indeno(1,2,3-c,d)pyrene	193-39-5	E641A/VA	0.010	µg/L	<0.010	----	----	----	----	----
Methylnaphthalene, 1-	90-12-0	E641A/VA	0.010	µg/L	<0.010	----	----	----	----	----
Methylnaphthalene, 2-	91-57-6	E641A/VA	0.010	µg/L	<0.010	----	----	----	----	----
Naphthalene	91-20-3	E641A/VA	0.050	µg/L	<0.050	----	----	----	----	----
Phenanthrene	85-01-8	E641A/VA	0.020	µg/L	<0.020	----	----	----	----	----



Analytical Results

Sub-Matrix: Water

(Matrix: Water)

					Client sample ID	WTP				
					Client sampling date / time	29-Aug-2025 15:00				
Analyte	CAS Number	Method/Lab	LOR	Unit	VA25C2289-001					
					Result					
Polycyclic Aromatic Hydrocarbons										
Pyrene	129-00-0	E641A/VA	0.010	µg/L	<0.010					
Quinoline	91-22-5	E641A/VA	0.050	µg/L	<0.050					
Polycyclic Aromatic Hydrocarbons Surrogates										
Chrysene-d12	1719-03-5	E641A/VA	0.1	%	97.9					
Naphthalene-d8	1146-65-2	E641A/VA	0.1	%	112					
Phenanthrene-d10	1517-22-2	E641A/VA	0.1	%	114					
Glycols										
Diethylene glycol	111-46-6	E680E/VA	5.0	mg/L	<5.0					
Ethylene glycol	107-21-1	E680E/VA	5.0	mg/L	<5.0					
Propylene glycol, 1,2-	57-55-6	E680E/VA	5.0	mg/L	<5.0					
Triethylene glycol	112-27-6	E680E/VA	5.0	mg/L	<5.0					
Glycols, total (EG+DEG+PG)	----	E680E/VA	10	mg/L	<10					
Glycols Surrogates										
Propanediol, 1,3-	504-63-2	E680E/VA	1.0	%	83.7					

Please refer to the General Comments section for an explanation of any qualifiers detected.

QUALITY CONTROL REPORT

Work Order	: VA25C2289	Page	: 1 of 21
Amendment	: 3		
Client	: Frontier-Kemper Michels Joint Venture	Laboratory	: ALS Environmental - Vancouver
Contact	: Sara Derakhshi	Account Manager	: Kevin Bhikadia
Address	: 404-850 Harbourside Drive North Vancouver BC Canada V7P 0A3	Address	: 8081 Lougheed Highway Burnaby, British Columbia Canada V5A 1W9
Telephone	: ----	Telephone	: +1 604 253 4188
Project	: EGP 150	Date Samples Received	: 29-Aug-2025 18:30
PO	: ----	Date Analysis Commenced	: 29-Aug-2025
C-O-C number	: ----	Issue Date	: 04-Sep-2025 22:21
Sampler	: ----		
Site	: BCR		
Quote number	: WTP Discharge		
No. of samples received	: 1		
No. of samples analysed	: 1		

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted. This document shall not be reproduced, except in full.

This Quality Control Report contains the following information:

- Laboratory Duplicate (DUP) Report; Relative Percent Difference (RPD) and Data Quality Objectives
- Matrix Spike (MS) Report; Recovery and Data Quality Objectives
- Reference Material (RM) Report; Recovery and Data Quality Objectives
- Method Blank (MB) Report; Recovery and Data Quality Objectives
- Laboratory Control Sample (LCS) Report; Recovery and Data Quality Objectives

Signatories

This document has been electronically signed by the authorized signatories below. Electronic signing is conducted in accordance with US FDA 21 CFR Part 11.

<i>Signatories</i>	<i>Position</i>	<i>Laboratory Department</i>
Cecilia Zhang	Account Manager Assistant	Vancouver Administration, Burnaby, British Columbia
Chau Tran	Analyst	Vancouver Metals, Burnaby, British Columbia
Hyunduck Suk	Analyst- General	Vancouver Inorganics, Burnaby, British Columbia
James Diacon	Lab Analyst	Edmonton Inorganics, Edmonton, Alberta
Janice Leung	Supervisor - Organics Instrumentation	Vancouver Organics, Burnaby, British Columbia
Kate Dimitrova	Supervisor - Inorganic	Vancouver Inorganics, Burnaby, British Columbia
Kevin Duarte	Supervisor - Metals ICP Instrumentation	Vancouver Metals, Burnaby, British Columbia
Kimia Taheri	Lab Assistant	Vancouver Metals, Burnaby, British Columbia
Leon Yang	Analyst	Vancouver Inorganics, Burnaby, British Columbia
Lindsay Gung	Department Manager - Inorganics	Vancouver Inorganics, Burnaby, British Columbia
Monica Ko	Supervisor - Inorganic	Vancouver Inorganics, Burnaby, British Columbia
Ophelia Chiu	Department Manager - Organics	Vancouver Organics, Burnaby, British Columbia



General Comments

The ALS Quality Control (QC) report is optionally provided to ALS clients upon request. ALS test methods include comprehensive QC checks with every analysis to ensure our high standards of quality are met. Each QC result has a known or expected target value, which is compared against predetermined Data Quality Objectives (DQOs) to provide confidence in the accuracy of associated test results. This report contains detailed results for all QC results applicable to this sample submission. Please refer to the ALS Quality Control Interpretation report (QCI) for applicable method references and methodology summaries.

Key :

Anonymous = Refers to samples which are not part of this work order, but which formed part of the QC process lot.

CAS Number = Chemical Abstracts Service number is a unique identifier assigned to discrete substances.

DQO = Data Quality Objective.

LOR = Limit of Reporting (detection limit).

RPD = Relative Percent Difference

= Indicates a QC result that did not meet the ALS DQO.

Workorder Comments

Holding times are displayed as "---" if no guidance exists from CCME, Canadian provinces, or broadly recognized international references.



Laboratory Duplicate (DUP) Report

A Laboratory Duplicate (DUP) is a randomly selected intralaboratory replicate sample. Laboratory Duplicates provide information regarding method precision and sample heterogeneity. ALS DQOs for Laboratory Duplicates are expressed as test-specific limits for Relative Percent Difference (RPD), or as an absolute difference limit of 2 times the LOR for low concentration duplicates within ~ 4-10 times the LOR (cut-off is test-specific).

Sub-Matrix: Water					Laboratory Duplicate (DUP) Report						
Laboratory sample ID	Client sample ID	Analyte	CAS Number	Method	LOR	Unit	Original Result	Duplicate Result	RPD(%) or Difference	Duplicate Limits	Qualifier
Physical Tests (QC Lot: 2194574)											
YL2500844-001	Anonymous	pH	----	E108	0.10	pH units	7.41	7.42	0.135%	4%	----
Physical Tests (QC Lot: 2197563)											
VA25C2545-001	Anonymous	Conductivity	----	E100	2.0	µS/cm	357	363	1.67%	10%	----
Physical Tests (QC Lot: 2197757)											
VA25C2289-001	WTP	Oxidation-reduction potential [ORP]	----	E125	0.10	mV	213	210	1.52%	10%	----
Physical Tests (QC Lot: 2197761)											
VA25C2289-001	WTP	Turbidity	----	E121	0.10	NTU	0.52	0.57	0.04	Diff <2x LOR	----
Physical Tests (QC Lot: 2198105)											
YL2500856-001	Anonymous	Solids, total dissolved [TDS]	----	E162	20	mg/L	306	307	0.326%	20%	----
Physical Tests (QC Lot: 2198113)											
VA25C2267-001	Anonymous	Solids, total suspended [TSS]	----	E160	3.0	mg/L	<3.0	<3.0	0	Diff <2x LOR	----
Anions and Nutrients (QC Lot: 2197557)											
VA25C2289-001	WTP	Fluoride	16984-48-8	E235.F	0.100	mg/L	0.133	0.129	0.004	Diff <2x LOR	----
Anions and Nutrients (QC Lot: 2197558)											
VA25C2289-001	WTP	Sulfate (as SO4)	14808-79-8	E235.SO4	1.50	mg/L	25.0	24.4	2.28%	20%	----
Anions and Nutrients (QC Lot: 2197559)											
VA25C2289-001	WTP	Chloride	16887-00-6	E235.Cl	2.50	mg/L	254	255	0.149%	20%	----
Anions and Nutrients (QC Lot: 2197560)											
VA25C2289-001	WTP	Bromide	24959-67-9	E235.Br-L	0.250	mg/L	0.738	0.775	0.037	Diff <2x LOR	----
Anions and Nutrients (QC Lot: 2197561)											
VA25C2289-001	WTP	Nitrite (as N)	14797-65-0	E235.NO2-L	0.0050	mg/L	0.0239	0.0241	0.0003	Diff <2x LOR	----
Anions and Nutrients (QC Lot: 2197562)											
VA25C2289-001	WTP	Nitrate (as N)	14797-55-8	E235.NO3-L	0.0250	mg/L	0.0448	0.0374	0.0073	Diff <2x LOR	----
Anions and Nutrients (QC Lot: 2197733)											
VA25C2289-001	WTP	Nitrogen, total	7727-37-9	E366	0.030	mg/L	0.499	0.494	0.954%	20%	----
Anions and Nutrients (QC Lot: 2197734)											
VA25C2289-001	WTP	Phosphorus, total	7723-14-0	E372-U	0.0020	mg/L	0.0364	0.0362	0.414%	20%	----
Anions and Nutrients (QC Lot: 2197736)											
VA25C2289-001	WTP	Ammonia, total (as N)	7664-41-7	E298	0.0250	mg/L	0.271	0.276	1.58%	20%	----
Organic / Inorganic Carbon (QC Lot: 2194593)											



Sub-Matrix: Water					Laboratory Duplicate (DUP) Report						
Laboratory sample ID	Client sample ID	Analyte	CAS Number	Method	LOR	Unit	Original Result	Duplicate Result	RPD(%) or Difference	Duplicate Limits	Qualifier
Organic / Inorganic Carbon (QC Lot: 2194593) - continued											
VA25C2289-001	WTP	Carbon, dissolved organic [DOC]	----	E358-L	0.50	mg/L	1.90	2.06	0.16	Diff <2x LOR	----
Organic / Inorganic Carbon (QC Lot: 2197732)											
VA25C2289-001	WTP	Carbon, total organic [TOC]	----	E355-L	0.50	mg/L	1.93	1.98	0.05	Diff <2x LOR	----
Total Metals (QC Lot: 2191563)											
VA25C2289-001	WTP	Aluminum, total	7429-90-5	E420	0.0030	mg/L	0.0047	0.0045	0.0002	Diff <2x LOR	----
		Antimony, total	7440-36-0	E420	0.00010	mg/L	0.00032	0.00032	0.000004	Diff <2x LOR	----
		Arsenic, total	7440-38-2	E420	0.00010	mg/L	0.00055	0.00057	0.00002	Diff <2x LOR	----
		Barium, total	7440-39-3	E420	0.00010	mg/L	0.00993	0.00996	0.357%	20%	----
		Beryllium, total	7440-41-7	E420	0.000020	mg/L	<0.000020	<0.000020	0	Diff <2x LOR	----
		Bismuth, total	7440-69-9	E420	0.000050	mg/L	<0.000050	<0.000050	0	Diff <2x LOR	----
		Boron, total	7440-42-8	E420	0.010	mg/L	0.266	0.271	1.73%	20%	----
		Cadmium, total	7440-43-9	E420	0.0000150	mg/L	<0.0000150	<0.0000150	0	Diff <2x LOR	----
		Calcium, total	7440-70-2	E420	0.050	mg/L	7.39	7.43	0.461%	20%	----
		Cesium, total	7440-46-2	E420	0.000010	mg/L	0.000118	0.000121	3.11%	20%	----
		Chromium, total	7440-47-3	E420	0.00050	mg/L	<0.00050	<0.00050	0	Diff <2x LOR	----
		Cobalt, total	7440-48-4	E420	0.00010	mg/L	<0.00010	<0.00010	0	Diff <2x LOR	----
		Copper, total	7440-50-8	E420	0.00050	mg/L	0.00108	0.00110	0.00001	Diff <2x LOR	----
		Iron, total	7439-89-6	E420	0.010	mg/L	0.065	0.064	0.001	Diff <2x LOR	----
		Lead, total	7439-92-1	E420	0.000050	mg/L	0.000078	0.000078	0.0000001	Diff <2x LOR	----
		Lithium, total	7439-93-2	E420	0.0010	mg/L	0.0024	0.0024	0.0000008	Diff <2x LOR	----
		Magnesium, total	7439-95-4	E420	0.0050	mg/L	2.24	2.24	0.423%	20%	----
		Manganese, total	7439-96-5	E420	0.00010	mg/L	0.00115	0.00107	7.16%	20%	----
		Molybdenum, total	7439-98-7	E420	0.000050	mg/L	0.0326	0.0330	1.00%	20%	----
		Nickel, total	7440-02-0	E420	0.00050	mg/L	<0.00050	<0.00050	0	Diff <2x LOR	----
		Phosphorus, total	7723-14-0	E420	0.050	mg/L	<0.050	0.050	0.0002	Diff <2x LOR	----
		Potassium, total	7440-09-7	E420	0.050	mg/L	11.5	11.5	0.655%	20%	----
		Rubidium, total	7440-17-7	E420	0.00020	mg/L	0.00408	0.00394	3.40%	20%	----
		Selenium, total	7782-49-2	E420	0.000050	mg/L	0.000056	0.000062	0.000006	Diff <2x LOR	----
		Silicon, total	7440-21-3	E420	0.10	mg/L	7.34	7.27	0.980%	20%	----
		Silver, total	7440-22-4	E420	0.000010	mg/L	<0.000010	<0.000010	0	Diff <2x LOR	----
		Sodium, total	7440-23-5	E420	0.050	mg/L	183	182	0.548%	20%	----
		Strontium, total	7440-24-6	E420	0.00020	mg/L	0.0863	0.0871	0.975%	20%	----
		Sulfur, total	7704-34-9	E420	0.50	mg/L	11.3	11.0	2.35%	20%	----
		Tellurium, total	13494-80-9	E420	0.00020	mg/L	<0.00020	<0.00020	0	Diff <2x LOR	----



Sub-Matrix: Water					Laboratory Duplicate (DUP) Report						
Laboratory sample ID	Client sample ID	Analyte	CAS Number	Method	LOR	Unit	Original Result	Duplicate Result	RPD(%) or Difference	Duplicate Limits	Qualifier
Total Metals (QC Lot: 2191563) - continued											
VA25C2289-001	WTP	Thallium, total	7440-28-0	E420	0.000010	mg/L	<0.000010	<0.000010	0	Diff <2x LOR	----
		Thorium, total	7440-29-1	E420	0.00010	mg/L	<0.00010	<0.00010	0	Diff <2x LOR	----
		Tin, total	7440-31-5	E420	0.00010	mg/L	<0.00010	<0.00010	0	Diff <2x LOR	----
		Titanium, total	7440-32-6	E420	0.00030	mg/L	<0.00030	<0.00030	0	Diff <2x LOR	----
		Tungsten, total	7440-33-7	E420	0.00010	mg/L	0.00025	0.00024	0.00001	Diff <2x LOR	----
		Uranium, total	7440-61-1	E420	0.000010	mg/L	<0.000010	<0.000010	0	Diff <2x LOR	----
		Vanadium, total	7440-62-2	E420	0.00050	mg/L	0.00113	0.00111	0.00002	Diff <2x LOR	----
		Zinc, total	7440-66-6	E420	0.0030	mg/L	0.0044	0.0046	0.0001	Diff <2x LOR	----
		Zirconium, total	7440-67-7	E420	0.00020	mg/L	<0.00020	<0.00020	0	Diff <2x LOR	----
Dissolved Metals (QC Lot: 2191564)											
VA25C2289-001	WTP	Aluminum, dissolved	7429-90-5	E421	0.0010	mg/L	0.0022	0.0021	0.0001	Diff <2x LOR	----
		Antimony, dissolved	7440-36-0	E421	0.00010	mg/L	0.00030	0.00030	0.000003	Diff <2x LOR	----
		Arsenic, dissolved	7440-38-2	E421	0.00010	mg/L	0.00051	0.00055	0.00004	Diff <2x LOR	----
		Barium, dissolved	7440-39-3	E421	0.00010	mg/L	0.00887	0.00905	2.00%	20%	----
		Beryllium, dissolved	7440-41-7	E421	0.000020	mg/L	<0.000020	<0.000020	0	Diff <2x LOR	----
		Bismuth, dissolved	7440-69-9	E421	0.000050	mg/L	<0.000050	<0.000050	0	Diff <2x LOR	----
		Boron, dissolved	7440-42-8	E421	0.010	mg/L	0.254	0.253	0.298%	20%	----
		Cadmium, dissolved	7440-43-9	E421	0.0000050	mg/L	<0.0000100	<0.0000050	0.0000050	Diff <2x LOR	----
		Calcium, dissolved	7440-70-2	E421	0.050	mg/L	7.01	6.82	2.74%	20%	----
		Cesium, dissolved	7440-46-2	E421	0.000010	mg/L	0.000119	0.000119	0.410%	20%	----
		Chromium, dissolved	7440-47-3	E421	0.00050	mg/L	<0.00050	<0.00050	0	Diff <2x LOR	----
		Cobalt, dissolved	7440-48-4	E421	0.00010	mg/L	<0.00010	<0.00010	0	Diff <2x LOR	----
		Copper, dissolved	7440-50-8	E421	0.00020	mg/L	0.00097	0.00089	0.00008	Diff <2x LOR	----
		Iron, dissolved	7439-89-6	E421	0.010	mg/L	0.046	0.045	0.0005	Diff <2x LOR	----
		Lead, dissolved	7439-92-1	E421	0.000050	mg/L	0.000057	0.000058	0.0000007	Diff <2x LOR	----
		Lithium, dissolved	7439-93-2	E421	0.0010	mg/L	0.0024	0.0024	0.00008	Diff <2x LOR	----
		Magnesium, dissolved	7439-95-4	E421	0.0050	mg/L	2.28	2.23	2.04%	20%	----
		Manganese, dissolved	7439-96-5	E421	0.00010	mg/L	0.00094	0.00093	0.000007	Diff <2x LOR	----
		Molybdenum, dissolved	7439-98-7	E421	0.000050	mg/L	0.0324	0.0325	0.194%	20%	----
		Nickel, dissolved	7440-02-0	E421	0.00050	mg/L	<0.00050	<0.00050	0	Diff <2x LOR	----
		Phosphorus, dissolved	7723-14-0	E421	0.050	mg/L	<0.050	<0.050	0	Diff <2x LOR	----
		Potassium, dissolved	7440-09-7	E421	0.050	mg/L	11.5	11.1	3.52%	20%	----
		Rubidium, dissolved	7440-17-7	E421	0.00020	mg/L	0.00415	0.00385	7.48%	20%	----
		Selenium, dissolved	7782-49-2	E421	0.000050	mg/L	0.000058	0.000057	0.000001	Diff <2x LOR	----



Sub-Matrix: Water					Laboratory Duplicate (DUP) Report						
Laboratory sample ID	Client sample ID	Analyte	CAS Number	Method	LOR	Unit	Original Result	Duplicate Result	RPD(%) or Difference	Duplicate Limits	Qualifier
Dissolved Metals (QC Lot: 2191564) - continued											
VA25C2289-001	WTP	Silicon, dissolved	7440-21-3	E421	0.050	mg/L	6.39	6.39	0.0532%	20%	----
		Silver, dissolved	7440-22-4	E421	0.000010	mg/L	<0.000010	<0.000010	0	Diff <2x LOR	----
		Sodium, dissolved	7440-23-5	E421	0.050	mg/L	168	165	2.10%	20%	----
		Strontium, dissolved	7440-24-6	E421	0.00020	mg/L	0.0862	0.0882	2.27%	20%	----
		Sulfur, dissolved	7704-34-9	E421	0.50	mg/L	10.4	10.4	0.00659%	20%	----
		Tellurium, dissolved	13494-80-9	E421	0.00020	mg/L	<0.00020	<0.00020	0	Diff <2x LOR	----
		Thallium, dissolved	7440-28-0	E421	0.000010	mg/L	<0.000010	<0.000010	0	Diff <2x LOR	----
		Thorium, dissolved	7440-29-1	E421	0.00010	mg/L	<0.00010	<0.00010	0	Diff <2x LOR	----
		Tin, dissolved	7440-31-5	E421	0.00010	mg/L	<0.00010	<0.00010	0	Diff <2x LOR	----
		Titanium, dissolved	7440-32-6	E421	0.00030	mg/L	<0.00030	<0.00030	0	Diff <2x LOR	----
		Tungsten, dissolved	7440-33-7	E421	0.00010	mg/L	0.00021	0.00022	0.000005	Diff <2x LOR	----
		Uranium, dissolved	7440-61-1	E421	0.000010	mg/L	<0.000010	<0.000010	0	Diff <2x LOR	----
		Vanadium, dissolved	7440-62-2	E421	0.00050	mg/L	0.00103	0.00100	0.00004	Diff <2x LOR	----
		Zinc, dissolved	7440-66-6	E421	0.0010	mg/L	0.0069	0.0068	0.00009	Diff <2x LOR	----
		Zirconium, dissolved	7440-67-7	E421	0.00030	mg/L	<0.00030	<0.00030	0	Diff <2x LOR	----
Aggregate Organics (QC Lot: 2199635)											
VA25C2016-003	Anonymous	Phenols, total (4AAP)	----	E562	0.0010	mg/L	<0.0010	<0.0010	0	Diff <2x LOR	----
Volatile Organic Compounds (QC Lot: 2198337)											
VA25C2289-001	WTP	Benzene	71-43-2	E611C	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----
		Bromodichloromethane	75-27-4	E611C	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----
		Bromoform	75-25-2	E611C	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----
		Carbon tetrachloride	56-23-5	E611C	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----
		Chlorobenzene	108-90-7	E611C	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----
		Chloroethane	75-00-3	E611C	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----
		Chloroform	67-66-3	E611C	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----
		Chloromethane	74-87-3	E611C	5.0	µg/L	<5.0	<5.0	0	Diff <2x LOR	----
		Dibromochloromethane	124-48-1	E611C	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----
		Dichlorobenzene, 1,2-	95-50-1	E611C	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----
		Dichlorobenzene, 1,3-	541-73-1	E611C	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----
		Dichlorobenzene, 1,4-	106-46-7	E611C	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----
		Dichloroethane, 1,1-	75-34-3	E611C	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----
		Dichloroethane, 1,2-	107-06-2	E611C	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----
		Dichloroethylene, 1,1-	75-35-4	E611C	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----
		Dichloroethylene, cis-1,2-	156-59-2	E611C	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----



Sub-Matrix: Water					Laboratory Duplicate (DUP) Report						
Laboratory sample ID	Client sample ID	Analyte	CAS Number	Method	LOR	Unit	Original Result	Duplicate Result	RPD(%) or Difference	Duplicate Limits	Qualifier
Volatile Organic Compounds (QC Lot: 2198337) - continued											
VA25C2289-001	WTP	Dichloroethylene, trans-1,2-	156-60-5	E611C	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----
		Dichloromethane	75-09-2	E611C	1.0	µg/L	<1.0	<1.0	0	Diff <2x LOR	----
		Dichloropropane, 1,2-	78-87-5	E611C	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----
		Dichloropropylene, cis-1,3-	10061-01-5	E611C	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----
		Dichloropropylene, trans-1,3-	10061-02-6	E611C	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----
		Ethylbenzene	100-41-4	E611C	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----
		Methyl-tert-butyl ether [MTBE]	1634-04-4	E611C	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----
		Styrene	100-42-5	E611C	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----
		Tetrachloroethane, 1,1,1,2-	630-20-6	E611C	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----
		Tetrachloroethane, 1,1,2,2-	79-34-5	E611C	0.20	µg/L	<0.20	<0.20	0	Diff <2x LOR	----
		Tetrachloroethylene	127-18-4	E611C	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----
		Toluene	108-88-3	E611C	0.40	µg/L	<0.40	<0.40	0	Diff <2x LOR	----
		Trichloroethane, 1,1,1-	71-55-6	E611C	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----
		Trichloroethane, 1,1,2-	79-00-5	E611C	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----
		Trichloroethylene	79-01-6	E611C	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----
		Trichlorofluoromethane	75-69-4	E611C	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----
		Vinyl chloride	75-01-4	E611C	0.40	µg/L	<0.40	<0.40	0	Diff <2x LOR	----
		Xylene, m+p-	179601-23-1	E611C	0.40	µg/L	<0.40	<0.40	0	Diff <2x LOR	----
		Xylene, o-	95-47-6	E611C	0.30	µg/L	<0.30	<0.30	0	Diff <2x LOR	----
		Hydrocarbons (QC Lot: 2198336)									
VA25C2289-001	WTP	VHw (C6-C10)	----	E581.VH+F1	100	µg/L	<100	<100	0.0%	30%	----
Glycols (QC Lot: 2197919)											
VA25C2289-001	WTP	Diethylene glycol	111-46-6	E680E	5.0	mg/L	<5.0	<5.0	0	Diff <2x LOR	----
		Ethylene glycol	107-21-1	E680E	5.0	mg/L	<5.0	<5.0	0	Diff <2x LOR	----
		Propylene glycol, 1,2-	57-55-6	E680E	5.0	mg/L	<5.0	<5.0	0	Diff <2x LOR	----
		Triethylene glycol	112-27-6	E680E	5.0	mg/L	<5.0	<5.0	0	Diff <2x LOR	----



Method Blank (MB) Report

A Method Blank is an analyte-free matrix that undergoes sample processing identical to that carried out for test samples. Method Blank results are used to monitor and control for potential contamination from the laboratory environment and reagents. For most tests, the DQO for Method Blanks is for the result to be < LOR.

Sub-Matrix: Water

Analyte	CAS Number	Method	LOR	Unit	Result	Qualifier
Physical Tests (QCLot: 2197563)						
Conductivity	---	E100	1	µS/cm	<1.0	---
Physical Tests (QCLot: 2197564)						
Alkalinity, bicarbonate (as CaCO ₃)	---	E290	1	mg/L	<1.0	---
Alkalinity, carbonate (as CaCO ₃)	---	E290	1	mg/L	<1.0	---
Alkalinity, hydroxide (as CaCO ₃)	---	E290	1	mg/L	<1.0	---
Alkalinity, phenolphthalein (as CaCO ₃)	---	E290	1	mg/L	<1.0	---
Alkalinity, total (as CaCO ₃)	---	E290	1	mg/L	<1.0	---
Physical Tests (QCLot: 2197761)						
Turbidity	---	E121	0.1	NTU	<0.10	---
Physical Tests (QCLot: 2198105)						
Solids, total dissolved [TDS]	---	E162	10	mg/L	<10	---
Physical Tests (QCLot: 2198113)						
Solids, total suspended [TSS]	---	E160	3	mg/L	<3.0	---
Anions and Nutrients (QCLot: 2197557)						
Fluoride	16984-48-8	E235.F	0.02	mg/L	<0.020	---
Anions and Nutrients (QCLot: 2197558)						
Sulfate (as SO ₄)	14808-79-8	E235.SO4	0.3	mg/L	<0.30	---
Anions and Nutrients (QCLot: 2197559)						
Chloride	16887-00-6	E235.Cl	0.5	mg/L	<0.50	---
Anions and Nutrients (QCLot: 2197560)						
Bromide	24959-67-9	E235.Br-L	0.05	mg/L	<0.050	---
Anions and Nutrients (QCLot: 2197561)						
Nitrite (as N)	14797-65-0	E235.NO2-L	0.001	mg/L	<0.0010	---
Anions and Nutrients (QCLot: 2197562)						
Nitrate (as N)	14797-55-8	E235.NO3-L	0.005	mg/L	<0.0050	---
Anions and Nutrients (QCLot: 2197733)						
Nitrogen, total	7727-37-9	E366	0.03	mg/L	<0.030	---
Anions and Nutrients (QCLot: 2197734)						
Phosphorus, total	7723-14-0	E372-U	0.002	mg/L	<0.0020	---
Anions and Nutrients (QCLot: 2197736)						
Ammonia, total (as N)	7664-41-7	E298	0.005	mg/L	<0.0050	---
Organic / Inorganic Carbon (QCLot: 2194593)						



Sub-Matrix: Water

Analyte	CAS Number	Method	LOR	Unit	Result	Qualifier
Organic / Inorganic Carbon (QCLot: 2194593) - continued						
Carbon, dissolved organic [DOC]	----	E358-L	0.5	mg/L	<0.50	----
Organic / Inorganic Carbon (QCLot: 2197732)						
Carbon, total organic [TOC]	----	E355-L	0.5	mg/L	<0.50	----
Total Metals (QCLot: 2191563)						
Aluminum, total	7429-90-5	E420	0.003	mg/L	<0.0030	----
Antimony, total	7440-36-0	E420	0.0001	mg/L	<0.00010	----
Arsenic, total	7440-38-2	E420	0.0001	mg/L	<0.00010	----
Barium, total	7440-39-3	E420	0.0001	mg/L	<0.00010	----
Beryllium, total	7440-41-7	E420	0.00002	mg/L	<0.000020	----
Bismuth, total	7440-69-9	E420	0.00005	mg/L	<0.000050	----
Boron, total	7440-42-8	E420	0.01	mg/L	<0.010	----
Cadmium, total	7440-43-9	E420	0.000005	mg/L	<0.0000050	----
Calcium, total	7440-70-2	E420	0.05	mg/L	<0.050	----
Cesium, total	7440-46-2	E420	0.00001	mg/L	<0.000010	----
Chromium, total	7440-47-3	E420	0.0005	mg/L	<0.00050	----
Cobalt, total	7440-48-4	E420	0.0001	mg/L	<0.00010	----
Copper, total	7440-50-8	E420	0.0005	mg/L	<0.00050	----
Iron, total	7439-89-6	E420	0.01	mg/L	<0.010	----
Lead, total	7439-92-1	E420	0.00005	mg/L	<0.000050	----
Lithium, total	7439-93-2	E420	0.001	mg/L	<0.0010	----
Magnesium, total	7439-95-4	E420	0.005	mg/L	<0.0050	----
Manganese, total	7439-96-5	E420	0.0001	mg/L	<0.00010	----
Molybdenum, total	7439-98-7	E420	0.00005	mg/L	<0.000050	----
Nickel, total	7440-02-0	E420	0.0005	mg/L	<0.00050	----
Phosphorus, total	7723-14-0	E420	0.05	mg/L	<0.050	----
Potassium, total	7440-09-7	E420	0.05	mg/L	<0.050	----
Rubidium, total	7440-17-7	E420	0.0002	mg/L	<0.00020	----
Selenium, total	7782-49-2	E420	0.00005	mg/L	<0.000050	----
Silicon, total	7440-21-3	E420	0.1	mg/L	<0.10	----
Silver, total	7440-22-4	E420	0.00001	mg/L	<0.000010	----
Sodium, total	7440-23-5	E420	0.05	mg/L	<0.050	----
Strontium, total	7440-24-6	E420	0.0002	mg/L	<0.00020	----
Sulfur, total	7704-34-9	E420	0.5	mg/L	<0.50	----
Tellurium, total	13494-80-9	E420	0.0002	mg/L	<0.00020	----
Thallium, total	7440-28-0	E420	0.00001	mg/L	<0.000010	----



Sub-Matrix: **Water**

Analyte	CAS Number	Method	LOR	Unit	Result	Qualifier
Total Metals (QCLot: 2191563) - continued						
Thorium, total	7440-29-1	E420	0.0001	mg/L	<0.00010	----
Tin, total	7440-31-5	E420	0.0001	mg/L	<0.00010	----
Titanium, total	7440-32-6	E420	0.0003	mg/L	<0.00030	----
Tungsten, total	7440-33-7	E420	0.0001	mg/L	<0.00010	----
Uranium, total	7440-61-1	E420	0.00001	mg/L	<0.000010	----
Vanadium, total	7440-62-2	E420	0.0005	mg/L	<0.00050	----
Zinc, total	7440-66-6	E420	0.003	mg/L	<0.0030	----
Zirconium, total	7440-67-7	E420	0.0002	mg/L	<0.00020	----
Dissolved Metals (QCLot: 2191564)						
Aluminum, dissolved	7429-90-5	E421	0.001	mg/L	<0.0010	----
Antimony, dissolved	7440-36-0	E421	0.0001	mg/L	<0.00010	----
Arsenic, dissolved	7440-38-2	E421	0.0001	mg/L	<0.00010	----
Barium, dissolved	7440-39-3	E421	0.0001	mg/L	<0.00010	----
Beryllium, dissolved	7440-41-7	E421	0.00002	mg/L	<0.000020	----
Bismuth, dissolved	7440-69-9	E421	0.00005	mg/L	<0.000050	----
Boron, dissolved	7440-42-8	E421	0.01	mg/L	<0.010	----
Cadmium, dissolved	7440-43-9	E421	0.000005	mg/L	<0.0000050	----
Calcium, dissolved	7440-70-2	E421	0.05	mg/L	<0.050	----
Cesium, dissolved	7440-46-2	E421	0.00001	mg/L	<0.000010	----
Chromium, dissolved	7440-47-3	E421	0.0005	mg/L	<0.00050	----
Cobalt, dissolved	7440-48-4	E421	0.0001	mg/L	<0.00010	----
Copper, dissolved	7440-50-8	E421	0.0002	mg/L	<0.00020	----
Iron, dissolved	7439-89-6	E421	0.01	mg/L	<0.010	----
Lead, dissolved	7439-92-1	E421	0.00005	mg/L	<0.000050	----
Lithium, dissolved	7439-93-2	E421	0.001	mg/L	<0.0010	----
Magnesium, dissolved	7439-95-4	E421	0.005	mg/L	<0.0050	----
Manganese, dissolved	7439-96-5	E421	0.0001	mg/L	<0.00010	----
Molybdenum, dissolved	7439-98-7	E421	0.00005	mg/L	<0.000050	----
Nickel, dissolved	7440-02-0	E421	0.0005	mg/L	<0.00050	----
Phosphorus, dissolved	7723-14-0	E421	0.05	mg/L	<0.050	----
Potassium, dissolved	7440-09-7	E421	0.05	mg/L	<0.050	----
Rubidium, dissolved	7440-17-7	E421	0.0002	mg/L	<0.00020	----
Selenium, dissolved	7782-49-2	E421	0.00005	mg/L	<0.000050	----
Silicon, dissolved	7440-21-3	E421	0.05	mg/L	<0.050	----
Silver, dissolved	7440-22-4	E421	0.00001	mg/L	<0.000010	----



Sub-Matrix: **Water**

Analyte	CAS Number	Method	LOR	Unit	Result	Qualifier
Dissolved Metals (QCLot: 2191564) - continued						
Sodium, dissolved	7440-23-5	E421	0.05	mg/L	<0.050	----
Strontium, dissolved	7440-24-6	E421	0.0002	mg/L	<0.00020	----
Sulfur, dissolved	7704-34-9	E421	0.5	mg/L	<0.50	----
Tellurium, dissolved	13494-80-9	E421	0.0002	mg/L	<0.00020	----
Thallium, dissolved	7440-28-0	E421	0.00001	mg/L	<0.000010	----
Thorium, dissolved	7440-29-1	E421	0.0001	mg/L	<0.00010	----
Tin, dissolved	7440-31-5	E421	0.0001	mg/L	<0.00010	----
Titanium, dissolved	7440-32-6	E421	0.0003	mg/L	<0.00030	----
Tungsten, dissolved	7440-33-7	E421	0.0001	mg/L	<0.00010	----
Uranium, dissolved	7440-61-1	E421	0.00001	mg/L	<0.000010	----
Vanadium, dissolved	7440-62-2	E421	0.0005	mg/L	<0.00050	----
Zinc, dissolved	7440-66-6	E421	0.001	mg/L	<0.0010	----
Zirconium, dissolved	7440-67-7	E421	0.0002	mg/L	<0.00020	----
Aggregate Organics (QCLot: 2199635)						
Phenols, total (4AAP)	----	E562	0.001	mg/L	<0.0010	----
Volatile Organic Compounds (QCLot: 2198337)						
Benzene	71-43-2	E611C	0.5	µg/L	<0.50	----
Bromodichloromethane	75-27-4	E611C	0.5	µg/L	<0.50	----
Bromoform	75-25-2	E611C	0.5	µg/L	<0.50	----
Carbon tetrachloride	56-23-5	E611C	0.5	µg/L	<0.50	----
Chlorobenzene	108-90-7	E611C	0.5	µg/L	<0.50	----
Chloroethane	75-00-3	E611C	0.5	µg/L	<0.50	----
Chloroform	67-66-3	E611C	0.5	µg/L	<0.50	----
Chloromethane	74-87-3	E611C	5	µg/L	<5.0	----
Dibromochloromethane	124-48-1	E611C	0.5	µg/L	<0.50	----
Dichlorobenzene, 1,2-	95-50-1	E611C	0.5	µg/L	<0.50	----
Dichlorobenzene, 1,3-	541-73-1	E611C	0.5	µg/L	<0.50	----
Dichlorobenzene, 1,4-	106-46-7	E611C	0.5	µg/L	<0.50	----
Dichloroethane, 1,1-	75-34-3	E611C	0.5	µg/L	<0.50	----
Dichloroethane, 1,2-	107-06-2	E611C	0.5	µg/L	<0.50	----
Dichloroethylene, 1,1-	75-35-4	E611C	0.5	µg/L	<0.50	----
Dichloroethylene, cis-1,2-	156-59-2	E611C	0.5	µg/L	<0.50	----
Dichloroethylene, trans-1,2-	156-60-5	E611C	0.5	µg/L	<0.50	----
Dichloromethane	75-09-2	E611C	1	µg/L	<1.0	----
Dichloropropane, 1,2-	78-87-5	E611C	0.5	µg/L	<0.50	----



Sub-Matrix: **Water**

Analyte	CAS Number	Method	LOR	Unit	Result	Qualifier
Volatile Organic Compounds (QCLot: 2198337) - continued						
Dichloropropylene, cis-1,3-	10061-01-5	E611C	0.5	µg/L	<0.50	----
Dichloropropylene, trans-1,3-	10061-02-6	E611C	0.5	µg/L	<0.50	----
Ethylbenzene	100-41-4	E611C	0.5	µg/L	<0.50	----
Methyl-tert-butyl ether [MTBE]	1634-04-4	E611C	0.5	µg/L	<0.50	----
Styrene	100-42-5	E611C	0.5	µg/L	<0.50	----
Tetrachloroethane, 1,1,1,2-	630-20-6	E611C	0.5	µg/L	<0.50	----
Tetrachloroethane, 1,1,2,2-	79-34-5	E611C	0.2	µg/L	<0.20	----
Tetrachloroethylene	127-18-4	E611C	0.5	µg/L	<0.50	----
Toluene	108-88-3	E611C	0.4	µg/L	<0.40	----
Trichloroethane, 1,1,1-	71-55-6	E611C	0.5	µg/L	<0.50	----
Trichloroethane, 1,1,2-	79-00-5	E611C	0.5	µg/L	<0.50	----
Trichloroethylene	79-01-6	E611C	0.5	µg/L	<0.50	----
Trichlorofluoromethane	75-69-4	E611C	0.5	µg/L	<0.50	----
Vinyl chloride	75-01-4	E611C	0.4	µg/L	<0.40	----
Xylene, m+p-	179601-23-1	E611C	0.4	µg/L	<0.40	----
Xylene, o-	95-47-6	E611C	0.3	µg/L	<0.30	----
Hydrocarbons (QCLot: 2198308)						
EPH (C10-C19)	----	E601A	250	µg/L	<250	----
EPH (C19-C32)	----	E601A	250	µg/L	<250	----
Hydrocarbons (QCLot: 2198336)						
VHw (C6-C10)	----	E581.VH+F1	100	µg/L	<100	----
Polycyclic Aromatic Hydrocarbons (QCLot: 2198309)						
Acenaphthene	83-32-9	E641A	0.01	µg/L	<0.010	----
Acenaphthylene	208-96-8	E641A	0.01	µg/L	<0.010	----
Acridine	260-94-6	E641A	0.01	µg/L	<0.010	----
Anthracene	120-12-7	E641A	0.01	µg/L	<0.010	----
Benz(a)anthracene	56-55-3	E641A	0.01	µg/L	<0.010	----
Benzo(a)pyrene	50-32-8	E641A	0.005	µg/L	<0.0050	----
Benzo(b+j)fluoranthene	n/a	E641A	0.01	µg/L	<0.010	----
Benzo(g,h,i)perylene	191-24-2	E641A	0.01	µg/L	<0.010	----
Benzo(k)fluoranthene	207-08-9	E641A	0.01	µg/L	<0.010	----
Chrysene	218-01-9	E641A	0.01	µg/L	<0.010	----
Dibenz(a,h)anthracene	53-70-3	E641A	0.005	µg/L	<0.0050	----
Fluoranthene	206-44-0	E641A	0.01	µg/L	<0.010	----
Fluorene	86-73-7	E641A	0.01	µg/L	<0.010	----



Sub-Matrix: Water

Analyte	CAS Number	Method	LOR	Unit	Result	Qualifier
Polycyclic Aromatic Hydrocarbons (QCLot: 2198309) - continued						
Indeno(1,2,3-c,d)pyrene	193-39-5	E641A	0.01	µg/L	<0.010	----
Methylnaphthalene, 1-	90-12-0	E641A	0.01	µg/L	<0.010	----
Methylnaphthalene, 2-	91-57-6	E641A	0.01	µg/L	<0.010	----
Naphthalene	91-20-3	E641A	0.05	µg/L	<0.050	----
Phenanthrene	85-01-8	E641A	0.02	µg/L	<0.020	----
Pyrene	129-00-0	E641A	0.01	µg/L	<0.010	----
Quinoline	91-22-5	E641A	0.05	µg/L	<0.050	----
Glycols (QCLot: 2197919)						
Diethylene glycol	111-46-6	E680E	5	mg/L	<5.0	----
Ethylene glycol	107-21-1	E680E	5	mg/L	<5.0	----
Propylene glycol, 1,2-	57-55-6	E680E	5	mg/L	<5.0	----
Triethylene glycol	112-27-6	E680E	5	mg/L	<5.0	----



Laboratory Control Sample (LCS) Report

A Laboratory Control Sample (LCS) is an analyte-free matrix that has been fortified (spiked) with test analytes at known concentration and processed in an identical manner to test samples. LCS results are expressed as percent recovery, and are used to monitor and control test method accuracy and precision, independent of test sample matrix.

Sub-Matrix: Water

					Laboratory Control Sample (LCS) Report				
					Spike	Recovery (%)	Recovery Limits (%)		
Analyte	CAS Number	Method	LOR	Unit	Target Concentration	LCS	Low	High	Qualifier
Physical Tests (QCLot: 2194574)									
pH	----	E108	----	pH units	7 pH units	99.6	98.0	102	----
Physical Tests (QCLot: 2197563)									
Conductivity	----	E100	1	µS/cm	147 µS/cm	97.8	90.0	110	----
Physical Tests (QCLot: 2197564)									
Alkalinity, phenolphthalein (as CaCO3)	----	E290	1	mg/L	229 mg/L	102	75.0	125	----
Alkalinity, total (as CaCO3)	----	E290	1	mg/L	500 mg/L	98.8	85.0	115	----
Physical Tests (QCLot: 2197761)									
Turbidity	----	E121	0.1	NTU	200 NTU	101	85.0	115	----
Physical Tests (QCLot: 2198105)									
Solids, total dissolved [TDS]	----	E162	10	mg/L	1000 mg/L	109	85.0	115	----
Physical Tests (QCLot: 2198113)									
Solids, total suspended [TSS]	----	E160	3	mg/L	150 mg/L	102	85.0	115	----
Anions and Nutrients (QCLot: 2197557)									
Fluoride	16984-48-8	E235.F	0.02	mg/L	1 mg/L	97.6	90.0	110	----
Anions and Nutrients (QCLot: 2197558)									
Sulfate (as SO4)	14808-79-8	E235.SO4	0.3	mg/L	100 mg/L	100	90.0	110	----
Anions and Nutrients (QCLot: 2197559)									
Chloride	16887-00-6	E235.Cl	0.5	mg/L	100 mg/L	98.9	90.0	110	----
Anions and Nutrients (QCLot: 2197560)									
Bromide	24959-67-9	E235.Br-L	0.05	mg/L	0.5 mg/L	96.7	85.0	115	----
Anions and Nutrients (QCLot: 2197561)									
Nitrite (as N)	14797-65-0	E235.NO2-L	0.001	mg/L	0.5 mg/L	97.5	90.0	110	----
Anions and Nutrients (QCLot: 2197562)									
Nitrate (as N)	14797-55-8	E235.NO3-L	0.005	mg/L	2.5 mg/L	99.8	90.0	110	----
Anions and Nutrients (QCLot: 2197733)									
Nitrogen, total	7727-37-9	E366	0.03	mg/L	0.5 mg/L	96.7	75.0	125	----
Anions and Nutrients (QCLot: 2197734)									
Phosphorus, total	7723-14-0	E372-U	0.002	mg/L	0.05 mg/L	97.4	80.0	120	----
Anions and Nutrients (QCLot: 2197736)									
Ammonia, total (as N)	7664-41-7	E298	0.005	mg/L	0.2 mg/L	98.3	85.0	115	----



Sub-Matrix: Water					Laboratory Control Sample (LCS) Report				
					Spike	Recovery (%)	Recovery Limits (%)		Qualifier
					Target Concentration	LCS	Low	High	
Analyte	CAS Number	Method	LOR	Unit	Target Concentration	LCS	Low	High	Qualifier
Organic / Inorganic Carbon (QCLot: 2194593)									
Carbon, dissolved organic [DOC]	----	E358-L	0.5	mg/L	8.57 mg/L	86.5	80.0	120	----
Organic / Inorganic Carbon (QCLot: 2197732)									
Carbon, total organic [TOC]	----	E355-L	0.5	mg/L	8.57 mg/L	107	80.0	120	----
Total Metals (QCLot: 2191563)									
Aluminum, total	7429-90-5	E420	0.003	mg/L	2 mg/L	105	80.0	120	----
Antimony, total	7440-36-0	E420	0.0001	mg/L	1 mg/L	105	80.0	120	----
Arsenic, total	7440-38-2	E420	0.0001	mg/L	1 mg/L	108	80.0	120	----
Barium, total	7440-39-3	E420	0.0001	mg/L	0.25 mg/L	109	80.0	120	----
Beryllium, total	7440-41-7	E420	0.00002	mg/L	0.1 mg/L	102	80.0	120	----
Bismuth, total	7440-69-9	E420	0.00005	mg/L	1 mg/L	103	80.0	120	----
Boron, total	7440-42-8	E420	0.01	mg/L	1 mg/L	107	80.0	120	----
Cadmium, total	7440-43-9	E420	0.000005	mg/L	0.1 mg/L	102	80.0	120	----
Calcium, total	7440-70-2	E420	0.05	mg/L	50 mg/L	104	80.0	120	----
Cesium, total	7440-46-2	E420	0.00001	mg/L	0.05 mg/L	104	80.0	120	----
Chromium, total	7440-47-3	E420	0.0005	mg/L	0.25 mg/L	104	80.0	120	----
Cobalt, total	7440-48-4	E420	0.0001	mg/L	0.25 mg/L	101	80.0	120	----
Copper, total	7440-50-8	E420	0.0005	mg/L	0.25 mg/L	97.5	80.0	120	----
Iron, total	7439-89-6	E420	0.01	mg/L	1 mg/L	99.0	80.0	120	----
Lead, total	7439-92-1	E420	0.00005	mg/L	0.5 mg/L	101	80.0	120	----
Lithium, total	7439-93-2	E420	0.001	mg/L	0.25 mg/L	100	80.0	120	----
Magnesium, total	7439-95-4	E420	0.005	mg/L	50 mg/L	105	80.0	120	----
Manganese, total	7439-96-5	E420	0.0001	mg/L	0.25 mg/L	101	80.0	120	----
Molybdenum, total	7439-98-7	E420	0.00005	mg/L	0.25 mg/L	101	80.0	120	----
Nickel, total	7440-02-0	E420	0.0005	mg/L	0.5 mg/L	101	80.0	120	----
Phosphorus, total	7723-14-0	E420	0.05	mg/L	10 mg/L	108	80.0	120	----
Potassium, total	7440-09-7	E420	0.05	mg/L	50 mg/L	101	80.0	120	----
Rubidium, total	7440-17-7	E420	0.0002	mg/L	0.1 mg/L	109	80.0	120	----
Selenium, total	7782-49-2	E420	0.00005	mg/L	1 mg/L	103	80.0	120	----
Silicon, total	7440-21-3	E420	0.1	mg/L	10 mg/L	# 121	80.0	120	MES
Silver, total	7440-22-4	E420	0.00001	mg/L	0.1 mg/L	96.6	80.0	120	----
Sodium, total	7440-23-5	E420	0.05	mg/L	50 mg/L	107	80.0	120	----
Strontium, total	7440-24-6	E420	0.0002	mg/L	0.25 mg/L	102	80.0	120	----
Sulfur, total	7704-34-9	E420	0.5	mg/L	50 mg/L	97.9	80.0	120	----
Tellurium, total	13494-80-9	E420	0.0002	mg/L	0.1 mg/L	96.2	80.0	120	----
Thallium, total	7440-28-0	E420	0.00001	mg/L	1 mg/L	99.6	80.0	120	----



Sub-Matrix: Water

					Laboratory Control Sample (LCS) Report				
					Spike	Recovery (%)	Recovery Limits (%)		
Analyte	CAS Number	Method	LOR	Unit	Target Concentration	LCS	Low	High	Qualifier
Total Metals (QCLot: 2191563) - continued									
Thorium, total	7440-29-1	E420	0.0001	mg/L	0.1 mg/L	101	80.0	120	----
Tin, total	7440-31-5	E420	0.0001	mg/L	0.5 mg/L	102	80.0	120	----
Titanium, total	7440-32-6	E420	0.0003	mg/L	0.25 mg/L	102	80.0	120	----
Tungsten, total	7440-33-7	E420	0.0001	mg/L	0.1 mg/L	109	80.0	120	----
Uranium, total	7440-61-1	E420	0.00001	mg/L	0.005 mg/L	100	80.0	120	----
Vanadium, total	7440-62-2	E420	0.0005	mg/L	0.5 mg/L	103	80.0	120	----
Zinc, total	7440-66-6	E420	0.003	mg/L	0.5 mg/L	98.4	80.0	120	----
Zirconium, total	7440-67-7	E420	0.0002	mg/L	0.1 mg/L	97.6	80.0	120	----
Dissolved Metals (QCLot: 2191564)									
Aluminum, dissolved	7429-90-5	E421	0.001	mg/L	2 mg/L	105	80.0	120	----
Antimony, dissolved	7440-36-0	E421	0.0001	mg/L	1 mg/L	99.7	80.0	120	----
Arsenic, dissolved	7440-38-2	E421	0.0001	mg/L	1 mg/L	105	80.0	120	----
Barium, dissolved	7440-39-3	E421	0.0001	mg/L	0.25 mg/L	99.2	80.0	120	----
Beryllium, dissolved	7440-41-7	E421	0.00002	mg/L	0.1 mg/L	98.1	80.0	120	----
Bismuth, dissolved	7440-69-9	E421	0.00005	mg/L	1 mg/L	96.9	80.0	120	----
Boron, dissolved	7440-42-8	E421	0.01	mg/L	1 mg/L	95.0	80.0	120	----
Cadmium, dissolved	7440-43-9	E421	0.000005	mg/L	0.1 mg/L	101	80.0	120	----
Calcium, dissolved	7440-70-2	E421	0.05	mg/L	50 mg/L	96.2	80.0	120	----
Cesium, dissolved	7440-46-2	E421	0.00001	mg/L	0.05 mg/L	104	80.0	120	----
Chromium, dissolved	7440-47-3	E421	0.0005	mg/L	0.25 mg/L	101	80.0	120	----
Cobalt, dissolved	7440-48-4	E421	0.0001	mg/L	0.25 mg/L	100	80.0	120	----
Copper, dissolved	7440-50-8	E421	0.0002	mg/L	0.25 mg/L	99.1	80.0	120	----
Iron, dissolved	7439-89-6	E421	0.01	mg/L	1 mg/L	98.5	80.0	120	----
Lead, dissolved	7439-92-1	E421	0.00005	mg/L	0.5 mg/L	95.7	80.0	120	----
Lithium, dissolved	7439-93-2	E421	0.001	mg/L	0.25 mg/L	100	80.0	120	----
Magnesium, dissolved	7439-95-4	E421	0.005	mg/L	50 mg/L	104	80.0	120	----
Manganese, dissolved	7439-96-5	E421	0.0001	mg/L	0.25 mg/L	105	80.0	120	----
Molybdenum, dissolved	7439-98-7	E421	0.00005	mg/L	0.25 mg/L	101	80.0	120	----
Nickel, dissolved	7440-02-0	E421	0.0005	mg/L	0.5 mg/L	100	80.0	120	----
Phosphorus, dissolved	7723-14-0	E421	0.05	mg/L	10 mg/L	109	80.0	120	----
Potassium, dissolved	7440-09-7	E421	0.05	mg/L	50 mg/L	99.5	80.0	120	----
Rubidium, dissolved	7440-17-7	E421	0.0002	mg/L	0.1 mg/L	103	80.0	120	----
Selenium, dissolved	7782-49-2	E421	0.00005	mg/L	1 mg/L	103	80.0	120	----
Silicon, dissolved	7440-21-3	E421	0.05	mg/L	10 mg/L	105	80.0	120	----
Silver, dissolved	7440-22-4	E421	0.00001	mg/L	0.1 mg/L	92.2	80.0	120	----



Sub-Matrix: Water					Laboratory Control Sample (LCS) Report				
					Spike	Recovery (%)	Recovery Limits (%)		Qualifier
					Target Concentration	LCS	Low	High	
Analyte	CAS Number	Method	LOR	Unit	Target Concentration	LCS	Low	High	Qualifier
Dissolved Metals (QCLot: 2191564) - continued									
Sodium, dissolved	7440-23-5	E421	0.05	mg/L	50 mg/L	103	80.0	120	----
Strontium, dissolved	7440-24-6	E421	0.0002	mg/L	0.25 mg/L	103	80.0	120	----
Sulfur, dissolved	7704-34-9	E421	0.5	mg/L	50 mg/L	89.1	80.0	120	----
Tellurium, dissolved	13494-80-9	E421	0.0002	mg/L	0.1 mg/L	103	80.0	120	----
Thallium, dissolved	7440-28-0	E421	0.00001	mg/L	1 mg/L	94.8	80.0	120	----
Thorium, dissolved	7440-29-1	E421	0.0001	mg/L	0.1 mg/L	97.8	80.0	120	----
Tin, dissolved	7440-31-5	E421	0.0001	mg/L	0.5 mg/L	102	80.0	120	----
Titanium, dissolved	7440-32-6	E421	0.0003	mg/L	0.25 mg/L	100	80.0	120	----
Tungsten, dissolved	7440-33-7	E421	0.0001	mg/L	0.1 mg/L	97.9	80.0	120	----
Uranium, dissolved	7440-61-1	E421	0.00001	mg/L	0.005 mg/L	103	80.0	120	----
Vanadium, dissolved	7440-62-2	E421	0.0005	mg/L	0.5 mg/L	103	80.0	120	----
Zinc, dissolved	7440-66-6	E421	0.001	mg/L	0.5 mg/L	103	80.0	120	----
Zirconium, dissolved	7440-67-7	E421	0.0002	mg/L	0.1 mg/L	96.2	80.0	120	----
Aggregate Organics (QCLot: 2199635)									
Phenols, total (4AAP)	----	E562	0.001	mg/L	0.02 mg/L	95.2	85.0	115	----
Volatile Organic Compounds (QCLot: 2198337)									
Benzene	71-43-2	E611C	0.5	µg/L	100 µg/L	96.2	70.0	130	----
Bromodichloromethane	75-27-4	E611C	0.5	µg/L	100 µg/L	90.3	70.0	130	----
Bromoform	75-25-2	E611C	0.5	µg/L	100 µg/L	96.0	70.0	130	----
Carbon tetrachloride	56-23-5	E611C	0.5	µg/L	100 µg/L	91.8	70.0	130	----
Chlorobenzene	108-90-7	E611C	0.5	µg/L	100 µg/L	100	70.0	130	----
Chloroethane	75-00-3	E611C	0.5	µg/L	100 µg/L	96.3	60.0	140	----
Chloroform	67-66-3	E611C	0.5	µg/L	100 µg/L	92.7	70.0	130	----
Chloromethane	74-87-3	E611C	5	µg/L	100 µg/L	107	60.0	140	----
Dibromochloromethane	124-48-1	E611C	0.5	µg/L	100 µg/L	93.6	70.0	130	----
Dichlorobenzene, 1,2-	95-50-1	E611C	0.5	µg/L	100 µg/L	100	70.0	130	----
Dichlorobenzene, 1,3-	541-73-1	E611C	0.5	µg/L	100 µg/L	99.2	70.0	130	----
Dichlorobenzene, 1,4-	106-46-7	E611C	0.5	µg/L	100 µg/L	104	70.0	130	----
Dichloroethane, 1,1-	75-34-3	E611C	0.5	µg/L	100 µg/L	98.6	70.0	130	----
Dichloroethane, 1,2-	107-06-2	E611C	0.5	µg/L	100 µg/L	92.1	70.0	130	----
Dichloroethylene, 1,1-	75-35-4	E611C	0.5	µg/L	100 µg/L	95.3	70.0	130	----
Dichloroethylene, cis-1,2-	156-59-2	E611C	0.5	µg/L	100 µg/L	96.3	70.0	130	----
Dichloroethylene, trans-1,2-	156-60-5	E611C	0.5	µg/L	100 µg/L	104	70.0	130	----
Dichloromethane	75-09-2	E611C	1	µg/L	100 µg/L	93.9	70.0	130	----



Sub-Matrix: Water					Laboratory Control Sample (LCS) Report				
					Spike	Recovery (%)	Recovery Limits (%)		Qualifier
					Target Concentration	LCS	Low	High	
Analyte	CAS Number	Method	LOR	Unit	Target Concentration	LCS	Low	High	Qualifier
Volatile Organic Compounds (QCLot: 2198337) - continued									
Dichloropropane, 1,2-	78-87-5	E611C	0.5	µg/L	100 µg/L	100.0	70.0	130	----
Dichloropropylene, cis-1,3-	10061-01-5	E611C	0.5	µg/L	100 µg/L	101	70.0	130	----
Dichloropropylene, trans-1,3-	10061-02-6	E611C	0.5	µg/L	100 µg/L	106	70.0	130	----
Ethylbenzene	100-41-4	E611C	0.5	µg/L	100 µg/L	99.5	70.0	130	----
Methyl-tert-butyl ether [MTBE]	1634-04-4	E611C	0.5	µg/L	100 µg/L	105	70.0	130	----
Styrene	100-42-5	E611C	0.5	µg/L	100 µg/L	101	70.0	130	----
Tetrachloroethane, 1,1,1,2-	630-20-6	E611C	0.5	µg/L	100 µg/L	98.8	70.0	130	----
Tetrachloroethane, 1,1,2,2-	79-34-5	E611C	0.2	µg/L	100 µg/L	95.6	70.0	130	----
Tetrachloroethylene	127-18-4	E611C	0.5	µg/L	100 µg/L	99.0	70.0	130	----
Toluene	108-88-3	E611C	0.4	µg/L	100 µg/L	104	70.0	130	----
Trichloroethane, 1,1,1-	71-55-6	E611C	0.5	µg/L	100 µg/L	98.4	70.0	130	----
Trichloroethane, 1,1,2-	79-00-5	E611C	0.5	µg/L	100 µg/L	96.9	70.0	130	----
Trichloroethylene	79-01-6	E611C	0.5	µg/L	100 µg/L	98.3	70.0	130	----
Trichlorofluoromethane	75-69-4	E611C	0.5	µg/L	100 µg/L	102	60.0	140	----
Vinyl chloride	75-01-4	E611C	0.4	µg/L	100 µg/L	97.0	60.0	140	----
Xylene, m+p-	179601-23-1	E611C	0.4	µg/L	200 µg/L	100	70.0	130	----
Xylene, o-	95-47-6	E611C	0.3	µg/L	100 µg/L	98.4	70.0	130	----
Hydrocarbons (QCLot: 2198308)									
EPH (C10-C19)	----	E601A	250	µg/L	6490 µg/L	103	70.0	130	----
EPH (C19-C32)	----	E601A	250	µg/L	3360 µg/L	101	70.0	130	----
Hydrocarbons (QCLot: 2198336)									
VHw (C6-C10)	----	E581.VH+F1	100	µg/L	6310 µg/L	93.5	70.0	130	----
Polycyclic Aromatic Hydrocarbons (QCLot: 2198309)									
Acenaphthene	83-32-9	E641A	0.01	µg/L	0.5 µg/L	110	60.0	130	----
Acenaphthylene	208-96-8	E641A	0.01	µg/L	0.5 µg/L	114	60.0	130	----
Acridine	260-94-6	E641A	0.01	µg/L	0.5 µg/L	103	60.0	130	----
Anthracene	120-12-7	E641A	0.01	µg/L	0.5 µg/L	118	60.0	130	----
Benz(a)anthracene	56-55-3	E641A	0.01	µg/L	0.5 µg/L	101	60.0	130	----
Benzo(a)pyrene	50-32-8	E641A	0.005	µg/L	0.5 µg/L	110	60.0	130	----
Benzo(b+j)fluoranthene	n/a	E641A	0.01	µg/L	0.5 µg/L	108	60.0	130	----
Benzo(g,h,i)perylene	191-24-2	E641A	0.01	µg/L	0.5 µg/L	125	60.0	130	----
Benzo(k)fluoranthene	207-08-9	E641A	0.01	µg/L	0.5 µg/L	130	60.0	130	----
Chrysene	218-01-9	E641A	0.01	µg/L	0.5 µg/L	130	60.0	130	----
Dibenz(a,h)anthracene	53-70-3	E641A	0.005	µg/L	0.5 µg/L	129	60.0	130	----



Sub-Matrix: Water					Laboratory Control Sample (LCS) Report				
					Spike	Recovery (%)	Recovery Limits (%)		
					Target Concentration	LCS	Low	High	Qualifier
Analyte	CAS Number	Method	LOR	Unit	Target Concentration	LCS	Low	High	Qualifier
Polycyclic Aromatic Hydrocarbons (QCLot: 2198309) - continued									
Fluoranthene	206-44-0	E641A	0.01	µg/L	0.5 µg/L	126	60.0	130	----
Fluorene	86-73-7	E641A	0.01	µg/L	0.5 µg/L	110	60.0	130	----
Indeno(1,2,3-c,d)pyrene	193-39-5	E641A	0.01	µg/L	0.5 µg/L	114	60.0	130	----
Methylnaphthalene, 1-	90-12-0	E641A	0.01	µg/L	0.5 µg/L	99.2	60.0	130	----
Methylnaphthalene, 2-	91-57-6	E641A	0.01	µg/L	0.5 µg/L	107	60.0	130	----
Naphthalene	91-20-3	E641A	0.05	µg/L	0.5 µg/L	104	50.0	130	----
Phenanthrene	85-01-8	E641A	0.02	µg/L	0.5 µg/L	120	60.0	130	----
Pyrene	129-00-0	E641A	0.01	µg/L	0.5 µg/L	120	60.0	130	----
Quinoline	91-22-5	E641A	0.05	µg/L	0.5 µg/L	108	60.0	130	----
Glycols (QCLot: 2197919)									
Diethylene glycol	111-46-6	E680E	5	mg/L	25 mg/L	83.6	70.0	130	----
Ethylene glycol	107-21-1	E680E	5	mg/L	25 mg/L	84.1	70.0	130	----
Propylene glycol, 1,2-	57-55-6	E680E	5	mg/L	25 mg/L	84.5	70.0	130	----
Triethylene glycol	112-27-6	E680E	5	mg/L	25 mg/L	80.3	70.0	130	----

Qualifiers

Qualifier	Description
MES	Data Quality Objective was marginally exceeded (by < 10% absolute) for < 10% of analytes in a Multi-Element Scan / Multi-Parameter Scan (considered acceptable as per OMOE & CCME).



Matrix Spike (MS) Report

A Matrix Spike (MS) is a randomly selected intra-laboratory replicate sample that has been fortified (spiked) with test analytes at known concentration, and processed in an identical manner to test samples. Matrix Spikes provide information regarding analyte recovery and potential matrix effects. MS DQO exceedances due to sample matrix may sometimes be unavoidable; in such cases, test results for the associated sample (or similar samples) may be subject to bias. ND – Recovery not determined, background level >= 1x spike level.

Sub-Matrix: Water					Matrix Spike (MS) Report					
					Spike		Recovery (%)	Recovery Limits (%)		
Laboratory sample ID	Client sample ID	Analyte	CAS Number	Method	Concentration	Target	MS	Low	High	Qualifier
Anions and Nutrients (QCLot: 2197557)										
VA25C2545-001	Anonymous	Fluoride	16984-48-8	E235.F	0.976 mg/L	1 mg/L	97.6	75.0	125	----
Anions and Nutrients (QCLot: 2197558)										
VA25C2545-001	Anonymous	Sulfate (as SO4)	14808-79-8	E235.SO4	97.2 mg/L	100 mg/L	97.2	75.0	125	----
Anions and Nutrients (QCLot: 2197559)										
VA25C2545-001	Anonymous	Chloride	16887-00-6	E235.Cl	99.8 mg/L	100 mg/L	99.8	75.0	125	----
Anions and Nutrients (QCLot: 2197560)										
VA25C2545-001	Anonymous	Bromide	24959-67-9	E235.Br-L	0.475 mg/L	0.5 mg/L	95.1	75.0	125	----
Anions and Nutrients (QCLot: 2197561)										
VA25C2545-001	Anonymous	Nitrite (as N)	14797-65-0	E235.NO2-L	0.492 mg/L	0.5 mg/L	98.4	75.0	125	----
Anions and Nutrients (QCLot: 2197562)										
VA25C2545-001	Anonymous	Nitrate (as N)	14797-55-8	E235.NO3-L	2.51 mg/L	2.5 mg/L	100	75.0	125	----
Anions and Nutrients (QCLot: 2197733)										
VA25C2545-001	Anonymous	Nitrogen, total	7727-37-9	E366	0.373 mg/L	0.4 mg/L	93.4	70.0	130	----
Anions and Nutrients (QCLot: 2197734)										
VA25C2545-001	Anonymous	Phosphorus, total	7723-14-0	E372-U	0.0484 mg/L	0.05 mg/L	96.7	70.0	130	----
Anions and Nutrients (QCLot: 2197736)										
VA25C2545-001	Anonymous	Ammonia, total (as N)	7664-41-7	E298	0.0948 mg/L	0.1 mg/L	94.8	75.0	125	----
Organic / Inorganic Carbon (QCLot: 2194593)										
VA25C2408-016	Anonymous	Carbon, dissolved organic [DOC]	----	E358-L	11.1 mg/L	10 mg/L	111	70.0	130	----
Organic / Inorganic Carbon (QCLot: 2197732)										
VA25C2545-001	Anonymous	Carbon, total organic [TOC]	----	E355-L	5.19 mg/L	5 mg/L	104	70.0	130	----
Aggregate Organics (QCLot: 2199635)										
VA25C2016-004	Anonymous	Phenols, total (4AAP)	----	E562	0.0183 mg/L	0.02 mg/L	91.5	75.0	125	----
Volatile Organic Compounds (QCLot: 2198337)										
VA25C2289-001	WTP	Benzene	71-43-2	E611C	93.0 µg/L	100 µg/L	93.0	60.0	140	----
		Bromodichloromethane	75-27-4	E611C	88.4 µg/L	100 µg/L	88.4	60.0	140	----
		Bromoform	75-25-2	E611C	92.7 µg/L	100 µg/L	92.7	60.0	140	----
		Carbon tetrachloride	56-23-5	E611C	88.6 µg/L	100 µg/L	88.6	60.0	140	----
		Chlorobenzene	108-90-7	E611C	97.0 µg/L	100 µg/L	97.0	60.0	140	----
		Chloroethane	75-00-3	E611C	88.8 µg/L	100 µg/L	88.8	50.0	150	----
		Chloroform	67-66-3	E611C	90.5 µg/L	100 µg/L	90.5	60.0	140	----
		Chloromethane	74-87-3	E611C	92.8 µg/L	100 µg/L	92.8	50.0	150	----



Sub-Matrix: Water					Matrix Spike (MS) Report					
					Spike		Recovery (%)	Recovery Limits (%)		
Laboratory sample ID	Client sample ID	Analyte	CAS Number	Method	Concentration	Target	MS	Low	High	Qualifier
Volatile Organic Compounds (QCLot: 2198337) - continued										
VA25C2289-001	WTP	Dibromochloromethane	124-48-1	E611C	89.9 µg/L	100 µg/L	89.9	60.0	140	----
		Dichlorobenzene, 1,2-	95-50-1	E611C	98.2 µg/L	100 µg/L	98.2	60.0	140	----
		Dichlorobenzene, 1,3-	541-73-1	E611C	97.0 µg/L	100 µg/L	97.0	60.0	140	----
		Dichlorobenzene, 1,4-	106-46-7	E611C	102 µg/L	100 µg/L	102	60.0	140	----
		Dichloroethane, 1,1-	75-34-3	E611C	95.2 µg/L	100 µg/L	95.2	60.0	140	----
		Dichloroethane, 1,2-	107-06-2	E611C	89.7 µg/L	100 µg/L	89.7	60.0	140	----
		Dichloroethylene, 1,1-	75-35-4	E611C	89.2 µg/L	100 µg/L	89.2	60.0	140	----
		Dichloroethylene, cis-1,2-	156-59-2	E611C	93.8 µg/L	100 µg/L	93.8	60.0	140	----
		Dichloroethylene, trans-1,2-	156-60-5	E611C	97.0 µg/L	100 µg/L	97.0	60.0	140	----
		Dichloromethane	75-09-2	E611C	90.3 µg/L	100 µg/L	90.3	60.0	140	----
		Dichloropropane, 1,2-	78-87-5	E611C	97.1 µg/L	100 µg/L	97.1	60.0	140	----
		Dichloropropylene, cis-1,3-	10061-01-5	E611C	96.3 µg/L	100 µg/L	96.3	60.0	140	----
		Dichloropropylene, trans-1,3-	10061-02-6	E611C	98.4 µg/L	100 µg/L	98.4	60.0	140	----
		Ethylbenzene	100-41-4	E611C	95.1 µg/L	100 µg/L	95.1	60.0	140	----
		Methyl-tert-butyl ether [MTBE]	1634-04-4	E611C	102 µg/L	100 µg/L	102	60.0	140	----
		Styrene	100-42-5	E611C	97.9 µg/L	100 µg/L	97.9	60.0	140	----
		Tetrachloroethane, 1,1,1,2-	630-20-6	E611C	96.1 µg/L	100 µg/L	96.1	60.0	140	----
		Tetrachloroethane, 1,1,2,2-	79-34-5	E611C	93.4 µg/L	100 µg/L	93.4	60.0	140	----
		Tetrachloroethylene	127-18-4	E611C	94.5 µg/L	100 µg/L	94.5	60.0	140	----
		Toluene	108-88-3	E611C	98.4 µg/L	100 µg/L	98.4	60.0	140	----
		Trichloroethane, 1,1,1-	71-55-6	E611C	95.1 µg/L	100 µg/L	95.1	60.0	140	----
		Trichloroethane, 1,1,2-	79-00-5	E611C	93.3 µg/L	100 µg/L	93.3	60.0	140	----
		Trichloroethylene	79-01-6	E611C	95.6 µg/L	100 µg/L	95.6	60.0	140	----
		Trichlorofluoromethane	75-69-4	E611C	95.1 µg/L	100 µg/L	95.1	50.0	150	----
		Vinyl chloride	75-01-4	E611C	86.0 µg/L	100 µg/L	86.0	50.0	150	----
		Xylene, m+p-	179601-23-1	E611C	195 µg/L	200 µg/L	97.5	60.0	140	----
		Xylene, o-	95-47-6	E611C	95.2 µg/L	100 µg/L	95.2	60.0	140	----
Hydrocarbons (QCLot: 2198336)										
VA25C2595-001	Anonymous	VHw (C6-C10)	----	E581.VH+F1	5500 µg/L	6310 µg/L	87.2	60.0	140	----

Reference Material (RM) Report

A Reference Material (RM) is a homogenous material with known and well-established analyte concentrations. RMs are processed in an identical manner to test samples, and are used to monitor and control the accuracy and precision of a test method for a typical sample matrix. RM results are expressed as percent recovery of the target analyte concentration. RM targets may be certified target concentrations provided by the RM supplier, or may be ALS long-term mean values (for empirical test methods).

Sub-Matrix:					Reference Material (RM) Report				
					RM Target Concentration	Recovery (%) RM	Recovery Limits (%)		Qualifier
Laboratory sample ID	Reference Material ID	Analyte	CAS Number	Method			Low	High	
Physical Tests (QCLot: 2197757)									
QC-2197757-001	RM	Oxidation-reduction potential [ORP]	----	E125	220 mV	101	95.0	105	----

QUALITY CONTROL INTERPRETIVE REPORT

Work Order	: VA25C2289	Page	: 1 of 15
Amendment	: 3		
Client	: Frontier-Kemper Michels Joint Venture	Laboratory	: ALS Environmental - Vancouver
Contact	: Sara Derakhshi	Account Manager	: Kevin Bhikadia
Address	: 404-850 Harbourside Drive North Vancouver BC Canada V7P 0A3	Address	: 8081 Lougheed Highway Burnaby, British Columbia Canada V5A 1W9
Telephone	: ----	Telephone	: +1 604 253 4188
Project	: EGP 150	Date Samples Received	: 29-Aug-2025 18:30
PO	: ----	Issue Date	: 04-Sep-2025 22:21
C-O-C number	: ----		
Sampler	: ----		
Site	: BCR		
Quote number	: WTP Discharge		
No. of samples received	: 1		
No. of samples analysed	: 1		

This report is automatically generated by the ALS LIMS (Laboratory Information Management System) through evaluation of Quality Control (QC) results and other QA parameters associated with this submission, and is intended to facilitate rapid data validation by auditors or reviewers. The report highlights any exceptions and outliers to ALS Data Quality Objectives, provides holding time details and exceptions, summarizes QC sample frequencies, and lists applicable methodology references and summaries.

Key

Anonymous: Refers to samples which are not part of this work order, but which formed part of the QC process lot.

CAS Number: Chemical Abstracts Service number is a unique identifier assigned to discrete substances.

DQO: Data Quality Objective.

LOR: Limit of Reporting (detection limit).

RPD: Relative Percent Difference.

Workorder Comments

Holding times are displayed as "----" if no guidance exists from CCME, Canadian provinces, or broadly recognized international references.

Summary of Outliers

Outliers : Quality Control Samples

- No Method Blank value outliers occur.
- No Duplicate outliers occur.
- No Matrix Spike outliers occur.
- Laboratory Control Sample (LCS) outliers occur - please see following pages for full details.
- No Test sample Surrogate recovery outliers exist.

Outliers: Reference Material (RM) Samples

- No Reference Material (RM) Sample outliers occur.

Outliers : Analysis Holding Time Compliance (Breaches)

- Analysis Holding Time Outliers exist - please see following pages for full details.

Outliers : Frequency of Quality Control Samples

- Quality Control Sample Frequency Outliers occur - please see following pages for full details.



Outliers : Quality Control Samples
Duplicates, Method Blanks, Laboratory Control Samples and Matrix Spikes

Matrix: **Water**

Analyte Group	Laboratory sample ID	Client/Ref Sample ID	Analyte	CAS Number	Method	Result	Limits	Comment
Laboratory Control Sample (LCS) Recoveries								
Total Metals	QC-2191563-002	----	Silicon, total	7440-21-3	E420	121 % ^{MES}	80.0-120%	Recovery greater than upper control limit

Result Qualifiers

Qualifier	Description
MES	Data Quality Objective was marginally exceeded (by < 10% absolute) for < 10% of analytes in a Multi-Element Scan / Multi-Parameter Scan (considered acceptable as per OMOE & CCME).



Analysis Holding Time Compliance

This report summarizes extraction / preparation and analysis times and compares each with ALS recommended holding times, which are selected to meet known provincial and /or federal requirements. In the absence of regulatory hold times, ALS establishes recommendations based on guidelines published by organizations such as CCME, US EPA, APHA Standard Methods, ASTM, or Environment Canada (where available). Dates and holding times reported below represent the first dates of extraction or analysis. If subsequent tests or dilutions exceeded holding times, qualifiers are added (refer to COA).

If samples are identified below as having been analyzed or extracted outside of recommended holding times, measurement uncertainties may be increased, and this should be taken into consideration when interpreting results.

Where actual sampling date is not provided on the chain of custody, the date of receipt with time at 00:00 is used for calculation purposes.

Where only the sample date without time is provided on the chain of custody, the sampling date at 00:00 is used for calculation purposes.

Matrix: **Water**

Evaluation: ✖ = Holding time exceedance ; ✔ = Within Holding Time

Analyte Group : Analytical Method	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times		Eval	Analysis Date	Holding Times		Eval
				Rec	Actual			Rec	Actual	
Aggregate Organics : Phenols (4AAP) in Water by Colorimetry										
Amber glass total (sulfuric acid) WTP	E562	29-Aug-2025	04-Sep-2025	28 days	6 days	✓	04-Sep-2025	28 days	6 days	✓
Anions and Nutrients : Ammonia by Fluorescence										
Amber glass total (sulfuric acid) WTP	E298	29-Aug-2025	03-Sep-2025	28 days	5 days	✓	03-Sep-2025	28 days	5 days	✓
Anions and Nutrients : Bromide in Water by IC (Low Level)										
HDPE WTP	E235.Br-L	29-Aug-2025	03-Sep-2025	28 days	5 days	✓	03-Sep-2025	28 days	5 days	✓
Anions and Nutrients : Chloride in Water by IC										
HDPE WTP	E235.Cl	29-Aug-2025	03-Sep-2025	28 days	5 days	✓	03-Sep-2025	28 days	5 days	✓
Anions and Nutrients : Fluoride in Water by IC										
HDPE WTP	E235.F	29-Aug-2025	03-Sep-2025	28 days	5 days	✓	03-Sep-2025	28 days	5 days	✓
Anions and Nutrients : Nitrate in Water by IC (Low Level)										
HDPE WTP	E235.NO3-L	29-Aug-2025	03-Sep-2025	3 days	4 days	✗ EHT	03-Sep-2025	3 days	4 days	✗ EHT
Anions and Nutrients : Nitrite in Water by IC (Low Level)										
HDPE WTP	E235.NO2-L	29-Aug-2025	03-Sep-2025	3 days	4 days	✗ EHT	03-Sep-2025	3 days	4 days	✗ EHT



Matrix: **Water** Evaluation: ✖ = Holding time exceedance ; ✔ = Within Holding Time

Analyte Group : Analytical Method Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times		Eval	Analysis Date	Holding Times		Eval
				Rec	Actual			Rec	Actual	
Anions and Nutrients : Sulfate in Water by IC										
HDPE WTP	E235.SO4	29-Aug-2025	03-Sep-2025	28 days	5 days	✓	03-Sep-2025	28 days	5 days	✓
Anions and Nutrients : Total Nitrogen by Colourimetry										
Amber glass total (sulfuric acid) WTP	E366	29-Aug-2025	03-Sep-2025	28 days	5 days	✓	04-Sep-2025	28 days	5 days	✓
Anions and Nutrients : Total Phosphorus by Colourimetry (0.002 mg/L)										
Amber glass total (sulfuric acid) WTP	E372-U	29-Aug-2025	03-Sep-2025	28 days	5 days	✓	04-Sep-2025	28 days	5 days	✓
Dissolved Metals : Dissolved Metals in Water by CRC ICPMS										
HDPE dissolved (nitric acid) WTP	E421	29-Aug-2025	29-Aug-2025	180 days	0 days	✓	29-Aug-2025	180 days	0 days	✓
Field Tests : Field pH,EC,Salinity, TDS, Cl2,CIO2,ORP,DO, Turbidity,T,T-P,o-PO4,NH3,Chloramine										
HDPE total (nitric acid) WTP	EF001	29-Aug-2025	----	----	----		04-Sep-2025	----	----	
Glycols : Glycols (4 analytes) by GC-FID										
Glass vial (sodium bisulfate) WTP	E680E	29-Aug-2025	03-Sep-2025	14 days	5 days	✓	04-Sep-2025	40 days	1 days	✓
Hydrocarbons : BC PHCs - EPH by GC-FID										
Amber glass/Teflon lined cap (sodium bisulfate) WTP	E601A	29-Aug-2025	04-Sep-2025	14 days	5 days	✓	04-Sep-2025	40 days	0 days	✓
Hydrocarbons : VH and F1 by Headspace GC-FID										
Glass vial (sodium bisulfate) WTP	E581.VH+F1	29-Aug-2025	03-Sep-2025	14 days	5 days	✓	04-Sep-2025	14 days	5 days	✓
Organic / Inorganic Carbon : Dissolved Organic Carbon by Combustion (Low Level)										
Amber glass - dissolved (unpreserved) WTP	E358-L	29-Aug-2025	02-Sep-2025	3 days	3 days	✓	02-Sep-2025	28 days	0 days	✓



Matrix: **Water** Evaluation: ✖ = Holding time exceedance ; ✔ = Within Holding Time

Analyte Group : Analytical Method	Method	Sampling Date	Extraction / Preparation				Analysis			
Container / Client Sample ID(s)			Preparation Date	Holding Times		Eval	Analysis Date	Holding Times		Eval
				Rec	Actual			Rec	Actual	
Organic / Inorganic Carbon : Total Organic Carbon (Non-Purgeable) by Combustion (Low Level)										
Amber glass total (sulfuric acid) WTP	E355-L	29-Aug-2025	03-Sep-2025	28 days	5 days	✓	03-Sep-2025	28 days	5 days	✓
Physical Tests : Alkalinity Species by Titration										
HDPE WTP	E290	29-Aug-2025	03-Sep-2025	14 days	5 days	✓	03-Sep-2025	14 days	5 days	✓
Physical Tests : Conductivity in Water										
HDPE WTP	E100	29-Aug-2025	03-Sep-2025	28 days	5 days	✓	03-Sep-2025	28 days	5 days	✓
Physical Tests : ORP by Electrode										
HDPE WTP	E125	29-Aug-2025	----	----	----		03-Sep-2025	0.25 hrs	119 hrs	✗ EHTR-FM
Physical Tests : pH by Meter										
HDPE WTP	E108	29-Aug-2025	02-Sep-2025	0.25 hrs	91 hrs	✗ EHTR-FM	02-Sep-2025	0.25 hrs	91 hrs	✗ EHTR-FM
Physical Tests : TDS by Gravimetry										
HDPE WTP	E162	29-Aug-2025	----	----	----		03-Sep-2025	7 days	5 days	✓
Physical Tests : TSS by Gravimetry										
HDPE WTP	E160	29-Aug-2025	----	----	----		03-Sep-2025	7 days	5 days	✓
Physical Tests : Turbidity by Nephelometry										
HDPE WTP	E121	29-Aug-2025	----	----	----		03-Sep-2025	3 days	5 days	✗ EHT
Polycyclic Aromatic Hydrocarbons : PAHs in Water by Hexane LVI GC-MS										
Amber glass/Teflon lined cap (sodium bisulfate) WTP	E641A	29-Aug-2025	04-Sep-2025	14 days	5 days	✓	04-Sep-2025	40 days	0 days	✓



Matrix: **Water** Evaluation: ✖ = Holding time exceedance ; ✔ = Within Holding Time

Analyte Group : Analytical Method Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times		Eval	Analysis Date	Holding Times		Eval
				Rec	Actual			Rec	Actual	
Total Metals : Total Metals in Water by CRC ICPMS										
HDPE total (nitric acid) WTP	E420	29-Aug-2025	29-Aug-2025	180 days	0 days	✓	30-Aug-2025	180 days	0 days	✓
Volatile Organic Compounds : VOCs (BC List) by Headspace GC-MS										
Glass vial (sodium bisulfate) WTP	E611C	29-Aug-2025	03-Sep-2025	14 days	5 days	✓	04-Sep-2025	14 days	5 days	✓

Legend & Qualifier Definitions

EHTR-FM: Exceeded ALS recommended hold time prior to sample receipt. Field Measurement recommended

EHT: Exceeded ALS recommended hold time prior to analysis.

Rec. HT: ALS recommended hold time (see units).



Quality Control Parameter Frequency Compliance

The following report summarizes the frequency of laboratory QC samples analyzed within the analytical batches (QC lots) in which the submitted samples were processed. The actual frequency should be greater than or equal to the expected frequency.

Matrix: **Water** Evaluation: ✖ = QC frequency outside specification; ✔ = QC frequency within specification.

Quality Control Sample Type	Method	QC Lot #	Count		Frequency (%)		
Analytical Methods			QC	Regular	Actual	Expected	Evaluation
Laboratory Duplicates (DUP)							
Conductivity in Water	E100	2197563	1	2	50.0	5.0	✔
pH by Meter	E108	2194574	1	2	50.0	5.0	✔
Turbidity by Nephelometry	E121	2197761	1	4	25.0	5.0	✔
ORP by Electrode	E125	2197757	1	1	100.0	5.0	✔
TSS by Gravimetry	E160	2198113	1	7	14.2	5.0	✔
TDS by Gravimetry	E162	2198105	1	14	7.1	5.0	✔
Bromide in Water by IC (Low Level)	E235.Br-L	2197560	1	2	50.0	5.0	✔
Chloride in Water by IC	E235.Cl	2197559	1	2	50.0	5.0	✔
Fluoride in Water by IC	E235.F	2197557	1	2	50.0	5.0	✔
Nitrite in Water by IC (Low Level)	E235.NO2-L	2197561	1	2	50.0	5.0	✔
Nitrate in Water by IC (Low Level)	E235.NO3-L	2197562	1	2	50.0	5.0	✔
Sulfate in Water by IC	E235.SO4	2197558	1	2	50.0	5.0	✔
Alkalinity Species by Titration	E290	2197564	0	2	0.0	5.0	✖
Ammonia by Fluorescence	E298	2197736	1	6	16.6	5.0	✔
Total Organic Carbon (Non-Purgeable) by Combustion (Low Level)	E355-L	2197732	1	2	50.0	5.0	✔
Dissolved Organic Carbon by Combustion (Low Level)	E358-L	2194593	1	3	33.3	5.0	✔
Total Nitrogen by Colourimetry	E366	2197733	1	4	25.0	5.0	✔
Total Phosphorus by Colourimetry (0.002 mg/L)	E372-U	2197734	1	4	25.0	5.0	✔
Total Metals in Water by CRC ICPMS	E420	2191563	1	1	100.0	5.0	✔
Dissolved Metals in Water by CRC ICPMS	E421	2191564	1	1	100.0	5.0	✔
Phenols (4AAP) in Water by Colorimetry	E562	2199635	1	20	5.0	5.0	✔
VH and F1 by Headspace GC-FID	E581.VH+F1	2198336	1	2	50.0	5.0	✔
VOCs (BC List) by Headspace GC-MS	E611C	2198337	1	2	50.0	5.0	✔
Glycols (4 analytes) by GC-FID	E680E	2197919	1	3	33.3	5.0	✔
Laboratory Control Samples (LCS)							
Conductivity in Water	E100	2197563	1	2	50.0	5.0	✔
pH by Meter	E108	2194574	1	2	50.0	5.0	✔
Turbidity by Nephelometry	E121	2197761	1	4	25.0	5.0	✔
ORP by Electrode	E125	2197757	1	1	100.0	5.0	✔
TSS by Gravimetry	E160	2198113	1	7	14.2	5.0	✔
TDS by Gravimetry	E162	2198105	1	14	7.1	5.0	✔
Bromide in Water by IC (Low Level)	E235.Br-L	2197560	1	2	50.0	5.0	✔
Chloride in Water by IC	E235.Cl	2197559	1	2	50.0	5.0	✔
Fluoride in Water by IC	E235.F	2197557	1	2	50.0	5.0	✔
Nitrite in Water by IC (Low Level)	E235.NO2-L	2197561	1	2	50.0	5.0	✔
Nitrate in Water by IC (Low Level)	E235.NO3-L	2197562	1	2	50.0	5.0	✔



Matrix: **Water**

Evaluation: ✖ = QC frequency outside specification; ✔ = QC frequency within specification.

Quality Control Sample Type			Count		Frequency (%)		
Analytical Methods	Method	QC Lot #	QC	Regular	Actual	Expected	Evaluation
Laboratory Control Samples (LCS) - Continued							
Sulfate in Water by IC	E235.SO4	2197558	1	2	50.0	5.0	✔
Alkalinity Species by Titration	E290	2197564	1	2	50.0	5.0	✔
Ammonia by Fluorescence	E298	2197736	1	6	16.6	5.0	✔
Total Organic Carbon (Non-Purgeable) by Combustion (Low Level)	E355-L	2197732	1	2	50.0	5.0	✔
Dissolved Organic Carbon by Combustion (Low Level)	E358-L	2194593	1	3	33.3	5.0	✔
Total Nitrogen by Colourimetry	E366	2197733	1	4	25.0	5.0	✔
Total Phosphorus by Colourimetry (0.002 mg/L)	E372-U	2197734	1	4	25.0	5.0	✔
Total Metals in Water by CRC ICPMS	E420	2191563	1	1	100.0	5.0	✔
Dissolved Metals in Water by CRC ICPMS	E421	2191564	1	1	100.0	5.0	✔
Phenols (4AAP) in Water by Colorimetry	E562	2199635	1	20	5.0	5.0	✔
VH and F1 by Headspace GC-FID	E581.VH+F1	2198336	1	2	50.0	5.0	✔
BC PHCs - EPH by GC-FID	E601A	2198308	1	2	50.0	5.0	✔
VOCs (BC List) by Headspace GC-MS	E611C	2198337	1	2	50.0	5.0	✔
PAHs in Water by Hexane LVI GC-MS	E641A	2198309	1	8	12.5	5.0	✔
Glycols (4 analytes) by GC-FID	E680E	2197919	1	3	33.3	5.0	✔
Method Blanks (MB)							
Conductivity in Water	E100	2197563	1	2	50.0	5.0	✔
Turbidity by Nephelometry	E121	2197761	1	4	25.0	5.0	✔
TSS by Gravimetry	E160	2198113	1	7	14.2	5.0	✔
TDS by Gravimetry	E162	2198105	1	14	7.1	5.0	✔
Bromide in Water by IC (Low Level)	E235.Br-L	2197560	1	2	50.0	5.0	✔
Chloride in Water by IC	E235.Cl	2197559	1	2	50.0	5.0	✔
Fluoride in Water by IC	E235.F	2197557	1	2	50.0	5.0	✔
Nitrite in Water by IC (Low Level)	E235.NO2-L	2197561	1	2	50.0	5.0	✔
Nitrate in Water by IC (Low Level)	E235.NO3-L	2197562	1	2	50.0	5.0	✔
Sulfate in Water by IC	E235.SO4	2197558	1	2	50.0	5.0	✔
Alkalinity Species by Titration	E290	2197564	1	2	50.0	5.0	✔
Ammonia by Fluorescence	E298	2197736	1	6	16.6	5.0	✔
Total Organic Carbon (Non-Purgeable) by Combustion (Low Level)	E355-L	2197732	1	2	50.0	5.0	✔
Dissolved Organic Carbon by Combustion (Low Level)	E358-L	2194593	1	3	33.3	5.0	✔
Total Nitrogen by Colourimetry	E366	2197733	1	4	25.0	5.0	✔
Total Phosphorus by Colourimetry (0.002 mg/L)	E372-U	2197734	1	4	25.0	5.0	✔
Total Metals in Water by CRC ICPMS	E420	2191563	1	1	100.0	5.0	✔
Dissolved Metals in Water by CRC ICPMS	E421	2191564	1	1	100.0	5.0	✔
Phenols (4AAP) in Water by Colorimetry	E562	2199635	1	20	5.0	5.0	✔
VH and F1 by Headspace GC-FID	E581.VH+F1	2198336	1	2	50.0	5.0	✔
BC PHCs - EPH by GC-FID	E601A	2198308	1	2	50.0	5.0	✔
VOCs (BC List) by Headspace GC-MS	E611C	2198337	1	2	50.0	5.0	✔
PAHs in Water by Hexane LVI GC-MS	E641A	2198309	1	8	12.5	5.0	✔



Matrix: **Water**

Evaluation: ✖ = QC frequency outside specification; ✔ = QC frequency within specification.

Quality Control Sample Type			Count		Frequency (%)		
Analytical Methods	Method	QC Lot #	QC	Regular	Actual	Expected	Evaluation
Method Blanks (MB) - Continued							
Glycols (4 analytes) by GC-FID	E680E	2197919	1	3	33.3	5.0	✔
Matrix Spikes (MS)							
Bromide in Water by IC (Low Level)	E235.Br-L	2197560	1	2	50.0	5.0	✔
Chloride in Water by IC	E235.Cl	2197559	1	2	50.0	5.0	✔
Fluoride in Water by IC	E235.F	2197557	1	2	50.0	5.0	✔
Nitrite in Water by IC (Low Level)	E235.NO2-L	2197561	1	2	50.0	5.0	✔
Nitrate in Water by IC (Low Level)	E235.NO3-L	2197562	1	2	50.0	5.0	✔
Sulfate in Water by IC	E235.SO4	2197558	1	2	50.0	5.0	✔
Ammonia by Fluorescence	E298	2197736	1	6	16.6	5.0	✔
Total Organic Carbon (Non-Purgeable) by Combustion (Low Level)	E355-L	2197732	1	2	50.0	5.0	✔
Dissolved Organic Carbon by Combustion (Low Level)	E358-L	2194593	1	3	33.3	5.0	✔
Total Nitrogen by Colourimetry	E366	2197733	1	4	25.0	5.0	✔
Total Phosphorus by Colourimetry (0.002 mg/L)	E372-U	2197734	1	4	25.0	5.0	✔
Total Metals in Water by CRC ICPMS	E420	2191563	0	1	0.0	5.0	✖
Dissolved Metals in Water by CRC ICPMS	E421	2191564	0	1	0.0	5.0	✖
Phenols (4AAP) in Water by Colorimetry	E562	2199635	1	20	5.0	5.0	✔
VH and F1 by Headspace GC-FID	E581.VH+F1	2198336	1	2	50.0	5.0	✔
VOCs (BC List) by Headspace GC-MS	E611C	2198337	1	2	50.0	5.0	✔



Methodology References and Summaries

The analytical methods used by ALS are developed using internationally recognized reference methods (where available), such as those published by US EPA, APHA Standard Methods, ASTM, ISO, Environment Canada, BC MOE, and Ontario MOE. Reference methods may incorporate modifications to improve performance (indicated by "mod").

Analytical Methods	Method / Lab	Matrix	Method Reference	Method Descriptions
Conductivity in Water	E100 ALS Environmental - Vancouver	Water	APHA 2510 (mod)	Conductivity, also known as Electrical Conductivity (EC) or Specific Conductance, is measured by immersion of a conductivity cell with platinum electrodes into a water sample. Conductivity measurements are temperature-compensated to 25°C.
pH by Meter	E108 ALS Environmental - Vancouver	Water	APHA 4500-H (mod)	pH is determined by potentiometric measurement with a pH electrode, and is conducted at ambient laboratory temperature (normally $20 \pm 5^\circ\text{C}$). For high accuracy test results, pH should be measured in the field within the recommended 15 minute hold time.
Turbidity by Nephelometry	E121 ALS Environmental - Vancouver	Water	APHA 2130 B (mod)	Turbidity is measured by the nephelometric method, by measuring the intensity of light scatter under defined conditions.
ORP by Electrode	E125 ALS Environmental - Vancouver	Water	ASTM D1498 (mod)	Oxidation reduction potential is reported as the oxidation-reduction potential of the platinum metal-reference electrode employed, measured in mV. For high accuracy test results, it is recommended that this analysis be conducted in the field.
TSS by Gravimetry	E160 ALS Environmental - Vancouver	Water	APHA 2540 D (mod)	Total Suspended Solids (TSS) are determined by filtering a sample through a glass fibre filter, following by drying of the filter at $104 \pm 1^\circ\text{C}$, with gravimetric measurement of the filtered solids. Samples containing very high dissolved solid content (i.e. seawaters, brackish waters) may produce a positive bias by this method. Alternate analysis methods are available for these types of samples.
TDS by Gravimetry	E162 ALS Environmental - Vancouver	Water	APHA 2540 C (mod)	Total Dissolved Solids (TDS) are determined by filtering a sample through a glass fibre filter, with evaporation of the filtrate at $180 \pm 2^\circ\text{C}$ for 16 hours or to constant weight, with gravimetric measurement of the residue.
Bromide in Water by IC (Low Level)	E235.Br-L ALS Environmental - Vancouver	Water	EPA 300.1 (mod)	Inorganic anions are analyzed by Ion Chromatography with conductivity and/or UV detection.
Chloride in Water by IC	E235.Cl ALS Environmental - Vancouver	Water	EPA 300.1 (mod)	Inorganic anions are analyzed by Ion Chromatography with conductivity and/or UV detection.
Fluoride in Water by IC	E235.F ALS Environmental - Vancouver	Water	EPA 300.1 (mod)	Inorganic anions are analyzed by Ion Chromatography with conductivity and/or UV detection.



Analytical Methods	Method / Lab	Matrix	Method Reference	Method Descriptions
Nitrite in Water by IC (Low Level)	E235.NO2-L ALS Environmental - Vancouver	Water	EPA 300.1 (mod)	Inorganic anions are analyzed by Ion Chromatography with conductivity and/or UV detection.
Nitrate in Water by IC (Low Level)	E235.NO3-L ALS Environmental - Vancouver	Water	EPA 300.1 (mod)	Inorganic anions are analyzed by Ion Chromatography with conductivity and/or UV detection.
Sulfate in Water by IC	E235.SO4 ALS Environmental - Vancouver	Water	EPA 300.1 (mod)	Inorganic anions are analyzed by Ion Chromatography with conductivity and/or UV detection.
Alkalinity Species by Titration	E290 ALS Environmental - Vancouver	Water	APHA 2320 B (mod)	Total alkalinity is determined by potentiometric titration to a pH 4.5 endpoint. Bicarbonate, carbonate and hydroxide alkalinity are calculated from phenolphthalein alkalinity and total alkalinity values.
Ammonia by Fluorescence	E298 ALS Environmental - Vancouver	Water	Method Fialab 100, 2018	Ammonia in water is determined by automated continuous flow analysis with membrane diffusion and fluorescence detection, after reaction with OPA (ortho-phthalaldehyde). This method is approved under US EPA 40 CFR Part 136 (May 2021)
Total Organic Carbon (Non-Purgeable) by Combustion (Low Level)	E355-L ALS Environmental - Vancouver	Water	APHA 5310 B (mod)	Total Organic Carbon (Non-Purgeable), also known as NPOC (total), is a direct measurement of TOC after an acidified sample has been purged to remove carbonate-based Inorganic Carbon (IC). Analysis is by high temperature combustion with infrared detection of CO ₂ . Forms of carbon associated with inorganic or organic molecules (e.g. SCN and CN) are included in NPOC if they are not removed by purging under acidic conditions. Notably, NPOC excludes most volatile organic compounds and free cyanide. For samples where the majority of Total Carbon is inorganic, this method provides greater accuracy and reliability versus the TOC by subtraction method (TC minus TIC).
Dissolved Organic Carbon by Combustion (Low Level)	E358-L ALS Environmental - Vancouver	Water	APHA 5310 B (mod)	Dissolved Organic Carbon (Non-Purgeable), also known as NPOC (dissolved), is a direct measurement of DOC after a filtered (0.45 micron) sample has been acidified and purged to remove inorganic carbon (IC). Analysis is by high temperature combustion with infrared detection of CO ₂ . NPOC does not include volatile organic species that are purged off with IC. For samples where the majority of DC (dissolved carbon) is comprised of IC (which is common), this method is more accurate and more reliable than the DOC by subtraction method (i.e. DC minus DIC).
Total Nitrogen by Colourimetry	E366 ALS Environmental - Vancouver	Water	Chinchilla Scientific Nitrate Method, 2011	Following digestion, total nitrogen is is determined colourimetrically using a discrete analyzer utilizing the vanadium chloride reduction method. This method of analysis is approved under US EPA 40 CFR Part 136 (May 2021).
Total Phosphorus by Colourimetry (0.002 mg/L)	E372-U ALS Environmental - Vancouver	Water	APHA 4500-P E (mod).	Total Phosphorus is determined colourimetrically using a discrete analyzer after heated persulfate digestion of the sample.



Analytical Methods	Method / Lab	Matrix	Method Reference	Method Descriptions
Total Metals in Water by CRC ICPMS	E420 ALS Environmental - Vancouver	Water	EPA 200.2/6020B (mod)	Water samples are digested with nitric and hydrochloric acids, and analyzed by Collision/Reaction Cell ICPMS. Method Limitation (re: Sulfur): Sulfide and volatile sulfur species may not be recovered by this method.
Dissolved Metals in Water by CRC ICPMS	E421 ALS Environmental - Vancouver	Water	APHA 3030B/EPA 6020B (mod)	Water samples are filtered (0.45 um), preserved with nitric acid, and analyzed by Collision/Reaction Cell ICPMS. Method Limitation (re: Sulfur): Sulfide and volatile sulfur species may not be recovered by this method.
Phenols (4AAP) in Water by Colorimetry	E562 ALS Environmental - Edmonton	Water	EPA 9066	This automated method is based on the distillation of phenol and subsequent reaction of the distillate with alkaline ferricyanide (K ₃ Fe(CN) ₆) and 4-amino-antipyrine (4-AAP) to form a red complex which is measured colorimetrically.
VH and F1 by Headspace GC-FID	E581.VH+F1 ALS Environmental - Vancouver	Water	BC MOE Lab Manual / CCME PHC in Soil - Tier 1 (mod)	Volatile Hydrocarbons (VH and F1) is analyzed by static headspace GC-FID. Samples are prepared in headspace vials and are heated and agitated on the headspace autosampler, causing VOCs to partition between the aqueous phase and the headspace in accordance with Henry's law. Analytical methods for CCME Petroleum Hydrocarbons (PHCs) are validated to comply fully with the Reference Method for the Canada-Wide Standard for PHC. Unless qualified, all required quality control criteria of the CCME PHC method have been met, including response factor and linearity requirements.
BC PHCs - EPH by GC-FID	E601A ALS Environmental - Vancouver	Water	BC MOE Lab Manual	Sample extracts are analyzed by GC-FID for BC hydrocarbon fractions.
VOCs (BC List) by Headspace GC-MS	E611C ALS Environmental - Vancouver	Water	EPA 8260D (mod)	Volatile Organic Compounds (VOCs) are analyzed by static headspace GC-MS. Samples are prepared in headspace vials and are heated and agitated on the headspace autosampler, causing VOCs to partition between the aqueous phase and the headspace in accordance with Henry's law. Total Xylenes is the sum of m,p-Xylene & o-Xylene. Total BTEX is the sum of Benzene, Toluene, Ethylbenzene, & Total Xylenes. Total BTEX+Styrene is the sum of Total BTEX & Styrene. Total Trihalomethanes [THMs] is the sum of Bromodichloromethane, Bromoform, Chloroform, & Dibromochloromethane.
PAHs in Water by Hexane LVI GC-MS	E641A ALS Environmental - Vancouver	Water	EPA 8270E (mod)	Polycyclic Aromatic Hydrocarbons (PAHs) are analyzed by large volume injection (LVI) GC-MS.
Glycols (4 analytes) by GC-FID	E680E ALS Environmental - Vancouver	Water	EPA 8015D (mod)	Derivatized glycols are analyzed by GC-FID.



Analytical Methods	Method / Lab	Matrix	Method Reference	Method Descriptions
Dissolved Hardness (Calculated)	EC100 ALS Environmental - Vancouver	Water	APHA 2340B	"Hardness (as CaCO ₃), dissolved" is calculated from the sum of dissolved Calcium and Magnesium concentrations, expressed in CaCO ₃ equivalents. "Total Hardness" refers to the sum of Calcium and Magnesium Hardness. Hardness is normally or preferentially calculated from dissolved Calcium and Magnesium concentrations, because it is a property of water due to dissolved divalent cations.
Hardness (Calculated) from Total Ca/Mg	EC100A ALS Environmental - Vancouver	Water	APHA 2340B	"Hardness (as CaCO ₃), from total Ca/Mg" is calculated from the sum of total Calcium and Magnesium concentrations, expressed as CaCO ₃ equivalents. "Total Hardness" refers to the sum of Calcium and Magnesium Hardness. Hardness is normally or preferentially calculated from dissolved Calcium and Magnesium concentrations, because hardness is a property of water due to dissolved divalent cations. In non-turbid waters, Hardness from total Ca/Mg is normally comparable to Dissolved Hardness, but may be biased high if particulate forms of Ca or Mg are present.
Un-ionized and Ionized Ammonia (Calculation) (Field Temperature and pH)	EC298A ALS Environmental - Vancouver	Water	CCME CWQG Ammonia	Un-ionized ammonia is calculated from test results for total ammonia, field temperature and pH, and is expressed in units of mg/L "as N".
VPH: VH-BTEX-Styrene	EC580A ALS Environmental - Vancouver	Water	BC MOE Lab Manual (VPH in Water and Solids) (mod)	Volatile Petroleum Hydrocarbons (VPH) is calculated as follows: VPHw = Volatile Hydrocarbons (VH C6-C10) minus benzene, toluene, ethylbenzene, xylenes (BTEx) and styrene.
LEPH and HEPH: EPH-PAH	EC600A ALS Environmental - Vancouver	Water	BC MOE Lab Manual (LEPH and HEPH)	Light Extractable Petroleum Hydrocarbons (LEPH) and Heavy Extractable Petroleum Hydrocarbons (HEPH) are calculated as follows: LEPH = Extractable Petroleum Hydrocarbons (EPH10-19) minus Acenaphthene, Acridine, Anthracene, Fluorene, Naphthalene and Phenanthrene; HEPH = Extractable Petroleum Hydrocarbons (EPH19-32) minus Benz(a)anthracene, Benzo(a)pyrene, Fluoranthene, and Pyrene.
Field pH,EC,Salinity, TDS, Cl ₂ ,ClO ₂ ,ORP,DO, Turbidity,T,T-P,o-PO ₄ ,NH ₃ ,Chloramine	EF001 ALS Environmental - Vancouver	Water	Field Measurement (Client Supplied)	Field pH,EC,Salinity, TDS, Cl ₂ ,ClO ₂ ,ORP,DO, Turbidity,T,T-P,o-PO ₄ ,NH ₃ or Chloramine measurements provided by client and recorded on ALS report may affect the validity of results.

Preparation Methods	Method / Lab	Matrix	Method Reference	Method Descriptions
Preparation for Ammonia	EP298 ALS Environmental - Vancouver	Water		Sample preparation for Preserved Nutrients Water Quality Analysis.
Preparation for Total Organic Carbon by Combustion	EP355 ALS Environmental - Vancouver	Water		Preparation for Total Organic Carbon by Combustion
Preparation for Dissolved Organic Carbon for Combustion	EP358 ALS Environmental - Vancouver	Water	APHA 5310 B (mod)	Preparation for Dissolved Organic Carbon



Preparation Methods	Method / Lab	Matrix	Method Reference	Method Descriptions
Digestion for Total Nitrogen in water	EP366 ALS Environmental - Vancouver	Water	APHA 4500-P J (mod)	Samples for total nitrogen analysis are digested using a heated persulfate digestion. Nitrogen compounds are converted to nitrate in this digestion.
Digestion for Total Phosphorus in water	EP372 ALS Environmental - Vancouver	Water	APHA 4500-P E (mod).	Samples are heated with a persulfate digestion reagent.
Dissolved Metals Water Filtration	EP421 ALS Environmental - Vancouver	Water	APHA 3030B	Water samples are filtered (0.45 um), and preserved with HNO ₃ .
VOCs Preparation for Headspace Analysis	EP581 ALS Environmental - Vancouver	Water	EPA 5021A (mod)	Samples are prepared in headspace vials and are heated and agitated on the headspace autosampler. An aliquot of the headspace is then injected into a GC-MS-FID.
PHCs and PAHs Hexane Extraction	EP601 ALS Environmental - Vancouver	Water	EPA 3511 (mod)	Petroleum Hydrocarbons (PHCs) and Polycyclic Aromatic Hydrocarbons (PAHs) are extracted using a hexane liquid-liquid extraction.
Glycols Extraction and Derivatization (BC Only)	EP680E ALS Environmental - Vancouver	Water	EPA 8015D (mod)	Aqueous sample is derivatized and extracted with organic solvent.



COC Number: 22 -

Page of

Canada Toll Free: 1 800 668 9878

REFER TO BACK PAGE FOR ALS LOCATIONS AND SAMPLING INFORMATION

WHITE - LABORATORY COPY YELLOW - CLIENT COPY

MAY 2023 FRONT

Failure to complete all portions of this form may delay analysis. Please fill in this form LEGIBLY. By the use of this form the user acknowledges and agrees with the Terms and Conditions as specified on the back page of the white - report copy.

1. If any water samples are taken from a **Regulated Drinking Water (DW) System**, please submit using an **Authorized DW COC form**.



www.alsglobal.com

Chain of Custody (COC) / Analytical Request Form

Canada Toll Free: 1 800 668 9878

COC Number: 22 -

Page of

Environmental Division
Vancouver
Work Order Reference
VA25C2289



Telephone : +1 804 253 4188

Report To		Contact and company name below will appear on the final report		Reports / Recipients		Turnaround Time (TAT) Requested	
Company:	FKM	Select Report Format: ☒ PDF ☒ EXCEL ☐ EDD (DIGITAL)		☐ Routine [R] if received by 3pm M-F - no surcharges apply			
Contact:	Sara Derakhshi	Merge QC/QCI Reports with COA ☐ YES ☐ NO ☐ N/A		☐ 4 day [P4] if received by 3pm M-F - 20% rush surcharge minimum			
Phone:	604-712-7257	☐ Compare Results to Criteria on Report - provide details below if box checked		☐ 3 day [P3] if received by 3pm M-F - 25% rush surcharge minimum			
Company address below will appear on the final report		Select Distribution: ☐ EMAIL ☐ MAIL ☐ FAX		☐ 2 day [P2] if received by 3pm M-F - 50% rush surcharge minimum			
Street:		Email 1 or Fax saraderakhshi@michelscanada.com		☐ 1 day [E] if received by 3pm M-F - 100% rush surcharge minimum			
City/Province:		Email 2 Bradclarke@michelscanada.com		☒ Same day [E2] if received by 10am M-S - 200% rush surcharge.			
Postal Code:		Email 3		Additional fees may apply to rush requests on weekends, statutory holidays			
Invoice To	Same as Report To ☒ YES ☐ NO	Invoice Recipients		Date and Time Required for all E&P TATs: 30/08/2025			
	Copy of Invoice with Report ☐ YES ☐ NO	Select Invoice Distribution: ☐ EMAIL ☐ MAIL ☐ FAX		For all tests with rush TATs requested, please contact your AM to confirm availability.			
Company:		Email 1 or Fax		Analysis Request			
Contact:		Email 2		Indicate Filtered (F), Preserved (P) or Filtered and Preserved (F/P) below			
Project Information		Oil and Gas Required Fields (client use)		NUMBER OF CONTAINERS			
ALS Client Code / QUOTE #:		AFE/Cost Center:	PO#	Physical test			
Job / Project #: EGP 150		Major/Minor Code:	Routing Code:	Total Metals			
PO / AFE:		Requisitioner:		dissolved metals			
LSD: BCR		Location:		pheno's			
ALS Lab Work Order # (ALS use only):		ALS Contact:	Sampler:	VOC			
ALS Sample # (ALS use only)	Sample Identification and/or Coordinates (This description will appear on the report)	Date (dd-mm-yy)	Time (hh:mm)	Aromatics and nutrients			
	WTP	29-08-25	15:00	DOC			
				Hydrocarbons			
				PAH			
				Glycols			
				organics			
				Hardness total and diss. PH, Turbidity, ORP, TDS, TSS, Conductivity, Speciated alkalinity			
				SAMPLES ON HOLD			
				EXTENDED STORAGE REQUIRED			
				SUSPECTED HAZARD (see notes)			
Drinking Water (DW) Samples (client use)		Notes / Specify Limits for result evaluation by selecting from drop-down below (Excel COC only)		SAMPLE RECEIPT DETAILS (ALS use only)			
Are samples taken from a Regulated DW System? ☐ YES ☐ NO				Cooling Method: ☐ NONE ☐ ICE ☐ ICE PACKS ☐ FROZEN ☐ COOLING INITIATED			
Are samples for human consumption/ use? ☐ YES ☐ NO				Cooler Custody Seals Intact: ☐ YES ☐ N/A Sample Custody Seals Intact: ☐ YES ☐ N/A			
				INITIAL COOLER TEMPERATURES °C			
				FINAL COOLER TEMPERATURES °C			
SHIPMENT RELEASE (client use)		INITIAL SHIPMENT RECEPTION (ALS use only)		FINAL SHIPMENT RECEPTION (ALS use only)			
Released by: Sara Derakhshi	Date: 29/08/2025	Time:	Received by:	Date:	Time:		

REFER TO BACK PAGE FOR ALS LOCATIONS AND SAMPLING INFORMATION

WHITE - LABORATORY COPY YELLOW - CLIENT COPY

MAY 2023 FROM

Failure to complete all portions of this form may delay analysis. Please fill in this form LEGIBLY. By the use of this form the user acknowledges and agrees with the Terms and Conditions as specified on the back page of the white - report copy.

1. If any water samples are taken from a Regulated Drinking Water (DW) System, please submit using an Authorized DW COC form.