

 Eagle Mountain - Woodfibre Gas Pipeline Project Waste Discharge Permit PE-110163 Report	Reporting Week	Sept 8 th to Sept 14 th , 2025
	Report #	77
	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 8 th to Sept 14 th , 2025
	Report #	77
	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 8 th to Sept 14 th , 2025
	Report #	77
	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 8 th to Sept 14 th , 2025
	Report #	77
	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 8 th to Sept 14 th , 2025
	Report #	77
	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	2025-09-13	2025-09-08	N/A	N/A	145GPM	26.5m3	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	2025-09-09	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	2025-09-09	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:

Sept 8 at 14:30 onwards: All data were missing due to temporary relocation of the SQU US sonde to WLNG US

 Eagle Mountain - Woodfibre Gas Pipeline Project Waste Discharge Permit PE-110163 Report	Reporting Week	Sept 8 th to Sept 14 th , 2025
	Report #	77
	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.
- 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.
- No reportable exceedances in weekly sampling

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	2025-09-08	Yes-Appendix C	2,994 m ³
Woodfibre	2025-09-09	Yes-Appendix C	2,626 m ³
Woodfibre	2025-09-10	Yes-Appendix C	2,321 m ³
Woodfibre	2025-09-11	Yes-Appendix C	2,562 m ³
Woodfibre	2025-09-12	Yes-Appendix C	2,345m ³
Woodfibre	2025-09-13	Yes-Appendix C	2,320 m ³
Woodfibre	2025-09-14	Yes-Appendix C	2,603 m ³

*Max discharge is 1500m3/day

 Eagle Mountain - Woodfibre Gas Pipeline Project Waste Discharge Permit PE-110163 Report	Reporting Week	Sept 8 th to Sept 14 th , 2025
	Report #	77
	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	2025-09-09	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	2025-09-09	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:

- Sept 3 to 5: The water quality sonde at WLNG US stopped functioning and was unable to record all parameters.
- No readings were available from Sept 9 at 13:00 to Sept 10 at 09:00 due to the water quality sonde malfunctioning; the SQU US sonde was temporarily relocated to WLNG US after which readings resumed beginning on Sept 10 at 10:00
- Sept 8: As an interim solution, the sonde from SQU US was removed and used at WLNG US.
- Sept 9: The Fortis Environment team attempted to replace the pH probe on the sonde but was unsuccessful; it is suspected that water came into contact with the sonde's electrical components.
- Sept 10: The SQU US sonde was installed at WLNG US.
- A replacement sonde has been ordered and will be installed at SQU US after it is received.

WLNG DS:

Turbidity at the downstream station EAS DS exceeded the background-based guideline from Sept 8 at 00:00 to Sept 9 at 13:00. The turbidity measured at the downstream station was not correlated with the Water Treatment Plant and likely due to sediment accumulation on the probe, therefore this is not a reportable exceedance. The logger was cleaned on Sept 9th which demonstrated a significant drop in turbidity within guidelines.

 Eagle Mountain - Woodfibre Gas Pipeline Project Waste Discharge Permit PE-110163 Report	Reporting Week	Sept 8 th to Sept 14 th , 2025
	Report #	77
	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 8 th to Sept 14 th , 2025
	Report #	77
	Appendix A	A-2

BCR Site Batch Sample Analysis
BCR Site WTP Discharge Field Notes and Logs

		Eagle Mountain- Woodfibre Gas Pipeline Project- Tunnel Scope	
Title	BC Rail Batch Water Discharge Report	Revision:	0
Date	September 13, 2024	Prepared by: Reviewed by: Date:	SD BC1 September 15, 2025

Table of Contents:

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

Executive Summary and Field Notes:

On September 13, FKM initiated a new batch discharge at the BC Rail site. The discharge began on September 13 at 03:10 AM and concluded on September 13 at 04:15 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)
13-Sep-2025	03:10 AM	145	26.5

Table 2: In-Situ Sample

Date	Time	pH	Temperature (°C)	DO (mg/L)	NTU	Conductivity (µS/cm)	ORP (mV)	Salinity (ppt)	Visible sheen
13/09/2025	03:10 AM	7.57	18.7	9.07	0.14	660	157.2	0.32	No

		Eagle Mountain- Woodfibre Gas Pipeline Project- Tunnel Scope	
Title	BC Rail Batch Water Discharge Report	Revision:	0
Date	September 13, 2024	Prepared by: Reviewed by: Date:	SD BC1 September 15, 2025

Discharge Sample results:

Table 3: Lab Sample

Client Sample ID			WTP
Date Sampled			08-Sep-2025
Time Sampled			16:00
ALS Sample ID			VA25C3181-001
Analyte	Lowest Detection Limit	Units	Sub-Matrix: Water
Field Tests (Matrix: Water)			
Temperature, field	0.10	°C	23.0
pH, field	0.10	pH units	7.80
Sample Preparation (Matrix: Water)			
Dissolved carbon filtration location			lab
Physical Tests (Matrix: Water)			
Conductivity	2.0	µS/cm	606
Alkalinity, bicarbonate (as CaCO3)	2.0	mg/L	28.4
Alkalinity, carbonate (as CaCO3)	2.0	mg/L	<2.0
Alkalinity, hydroxide (as CaCO3)	2.0	mg/L	<2.0
Alkalinity, phenolphthalein (as CaCO3)	2.0	mg/L	<2.0
Alkalinity, total (as CaCO3)	2.0	mg/L	28.4
Hardness (as CaCO3), dissolved	0.60	mg/L	7.42
Hardness (as CaCO3), from total Ca/Mg	0.60	mg/L	7.44
Turbidity	0.10	NTU	0.20
pH	0.10	pH units	7.53
Anions and Nutrients (Matrix: Water)			
Ammonia, total (as N)	0.0050	mg/L	0.0412
Bromide	0.050	mg/L	0.481
Chloride	0.50	mg/L	153
Fluoride	0.020	mg/L	0.225
Nitrate (as N)	0.0050	mg/L	0.0886



Eagle Mountain- Woodfibre Gas Pipeline Project- Tunnel Scope

Title	BC Rail Batch Water Discharge Report	Revision:	0
Date	September 13, 2024	Prepared by: Reviewed by: Date:	SD BC1 September 15, 2025

Nitrite (as N)	0.0010	mg/L	0.0083
Nitrogen, total	0.030	mg/L	0.217
Phosphorus, total	0.0020	mg/L	0.0453
Sulfate (as SO4)	0.30	mg/L	17.8
Ammonium (as NH4), field	0.0010	mg/L	0.0515
Organic / Inorganic Carbon (Matrix: Water)			
Carbon, dissolved organic [DOC]	0.50	mg/L	1.44
Carbon, total organic [TOC]	0.50	mg/L	1.06
Total Metals (Matrix: Water)			
Aluminum, total	0.0030	mg/L	0.0078
Antimony, total	0.00010	mg/L	0.00034
Arsenic, total	0.00010	mg/L	0.00030
Barium, total	0.00010	mg/L	0.00222
Beryllium, total	0.000100	mg/L	<0.000100
Bismuth, total	0.000050	mg/L	<0.000050
Boron, total	0.010	mg/L	0.124
Cadmium, total	0.0000050	mg/L	<0.0000150
Calcium, total	0.050	mg/L	1.85
Cesium, total	0.000010	mg/L	0.000059
Chromium, total	0.00050	mg/L	<0.00050
Cobalt, total	0.00010	mg/L	<0.00010
Copper, total	0.00050	mg/L	0.00071
Iron, total	0.010	mg/L	0.039
Lead, total	0.000050	mg/L	<0.000050
Lithium, total	0.0010	mg/L	0.0022
Magnesium, total	0.0050	mg/L	0.686
Manganese, total	0.00010	mg/L	0.00049
Mercury, total	0.0000050	mg/L	<0.0000050
Molybdenum, total	0.000050	mg/L	0.0668
Nickel, total	0.00050	mg/L	<0.00050
Phosphorus, total	0.050	mg/L	0.056
Potassium, total	0.050	mg/L	7.65
Rubidium, total	0.00020	mg/L	0.00234
Selenium, total	0.000050	mg/L	<0.000050



Eagle Mountain- Woodfibre Gas Pipeline Project- Tunnel Scope

Title	BC Rail Batch Water Discharge Report	Revision:	0
Date	September 13, 2024	Prepared by: Reviewed by: Date:	SD BC1 September 15, 2025

Silicon, total	0.10	mg/L	8.71
Silver, total	0.000010	mg/L	<0.000010
Sodium, total	0.050	mg/L	111
Strontium, total	0.00020	mg/L	0.0222
Sulfur, total	0.50	mg/L	5.91
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	0.00033
Uranium, total	0.000010	mg/L	<0.000010
Vanadium, total	0.00050	mg/L	0.00472
Zinc, total	0.0030	mg/L	0.0036
Zirconium, total	0.00020	mg/L	<0.00020
Dissolved Metals (Matrix: Water)			
Aluminum, dissolved	0.0010	mg/L	0.0057
Antimony, dissolved	0.00010	mg/L	0.00034
Arsenic, dissolved	0.00010	mg/L	0.00027
Barium, dissolved	0.00010	mg/L	0.00234
Beryllium, dissolved	0.000100	mg/L	<0.000100
Bismuth, dissolved	0.000050	mg/L	<0.000050
Boron, dissolved	0.010	mg/L	0.119
Cadmium, dissolved	0.0000050	mg/L	<0.0000150
Calcium, dissolved	0.050	mg/L	1.85
Cesium, dissolved	0.000010	mg/L	0.000061
Chromium, dissolved	0.00050	mg/L	<0.00050
Cobalt, dissolved	0.00010	mg/L	<0.00010
Copper, dissolved	0.00020	mg/L	0.00072
Iron, dissolved	0.010	mg/L	0.029
Lead, dissolved	0.000050	mg/L	<0.000050
Lithium, dissolved	0.0010	mg/L	0.0018
Magnesium, dissolved	0.0050	mg/L	0.679
Manganese, dissolved	0.00010	mg/L	0.00042
Mercury, dissolved	0.0000050	mg/L	<0.0000050

Title	BC Rail Batch Water Discharge Report	Revision:	0
Date	September 13, 2024	Prepared by: Reviewed by: Date:	SD BC1 September 15, 2025

Molybdenum, dissolved	0.000050	mg/L	0.0683
Nickel, dissolved	0.00050	mg/L	<0.00050
Phosphorus, dissolved	0.050	mg/L	<0.050
Potassium, dissolved	0.050	mg/L	7.90
Rubidium, dissolved	0.00020	mg/L	0.00243
Selenium, dissolved	0.000050	mg/L	<0.000050
Silicon, dissolved	0.050	mg/L	8.35
Silver, dissolved	0.000010	mg/L	<0.000010
Sodium, dissolved	0.050	mg/L	113
Strontium, dissolved	0.00020	mg/L	0.0228
Sulfur, dissolved	0.50	mg/L	5.76
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	0.00032
Uranium, dissolved	0.000010	mg/L	<0.000010
Vanadium, dissolved	0.00050	mg/L	0.00478
Zinc, dissolved	0.0010	mg/L	0.0066
Zirconium, dissolved	0.00020	mg/L	<0.00020
Dissolved mercury filtration location			Field
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
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

Title	BC Rail Batch Water Discharge Report	Revision:	0
Date	September 13, 2024	Prepared by: Reviewed by: Date:	SD BC1 September 15, 2025

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
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

Title	BC Rail Batch Water Discharge Report	Revision:	0
Date	September 13, 2024	Prepared by: Reviewed by: Date:	SD BC1 September 15, 2025

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	%	92.2
Dichlorotoluene, 3,4-	1.0	%	85.1
Volatile Organic Compounds Surrogates (Matrix: Water)			
Bromofluorobenzene, 4-	1.0	%	75.7
Difluorobenzene, 1,4-	1.0	%	95.4
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
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



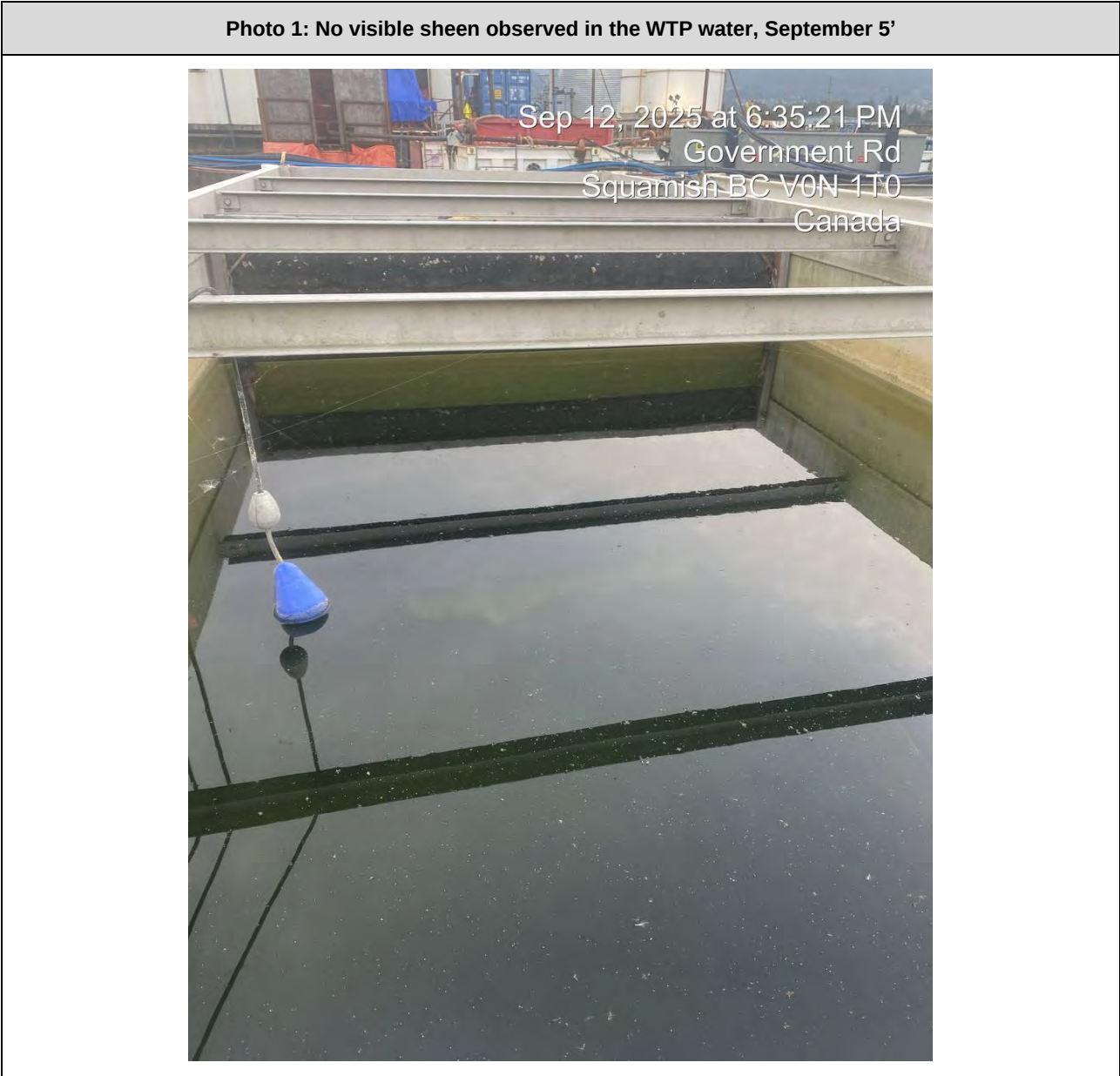
Eagle Mountain- Woodfibre Gas Pipeline Project- Tunnel Scope

Title	BC Rail Batch Water Discharge Report	Revision:	0
Date	September 13, 2024	Prepared by: Reviewed by: Date:	SD BC1 September 15, 2025

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	%	99.4
Naphthalene-d8	0.1	%	108
Phenanthrene-d10	0.1	%	104
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
Date	September 13, 2024	Prepared by: Reviewed by: Date:	SD BC1 September 15, 2025

Photo:



 Eagle Mountain - Woodfibre Gas Pipeline Project Waste Discharge Permit PE-110163 Report	Reporting Week	Sept 8 th to Sept 14 th , 2025
	Report #	77
	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 8 th to Sept 14 th , 2025
	Report #	77
	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 2025-09-09 14:15:00	SQU DS 2025-09-09 13:45:00
In situ Parameters									
Field pH	pH Units	6.5 - 9			7 - 8.7			6.75	6.58
Field Temperature	°C	18	19					13.7	14.9
General Parameters									
pH	pH Units							6.58	6.61
Alkalinity (Total as CaCO ₃)	mg/L							8.2	9.6
Alkalinity (PP as CaCO ₃)	mg/L							<1	<1
Hardness (CaCO ₃)-Total	mg/L							19.2	20
Hardness (CaCO ₃)-Dissolved	mg/L							9.58	10.8
Sulphide-Total	mg/L							0.0048	<0.0018
Sulphide (as H ₂ S)	mg/L			0.002				0.0051	<0.002
Anions and Nutrients									
Ammonia (N)-Total	mg/L	1.77	22.2		20	131		0.076	0.098
Bicarbonate (HCO ₃)	mg/L							10	12
Carbonate (CO ₃)	mg/L							<1	<1
Hydroxide (OH)	mg/L							<1	<1
Nitrate (N)	mg/L	3	32.8		3.7			0.027	0.035
Nitrite (N)	mg/L	0.02	0.06					<0.005	<0.005
Nitrate plus Nitrite (N)	mg/L							0.027	0.035
Nitrogen (N)-Total	mg/L							0.233	0.259
Phosphorus (P)-Total (4500-P)	mg/L							0.22	0.18
Bromide (Br)	mg/L							<0.01	<0.01
Chloride (Cl)	mg/L	150	600					1.3	1.8
Fluoride (F)	mg/L		0.671			1.5		<0.05	<0.05
Sulphate (SO ₄)-Dissolved	mg/L	128						3	3.3

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 2025-09-09 14:15:00	SQU DS 2025-09-09 13:45:00
Total Metals									
Aluminum (Al)-Total	mg/L	0.017782						4.28	4.44
Antimony (Sb)-Total	mg/L	0.074	0.25					<0.00002	<0.00002
Arsenic (As)-Total	mg/L	0.005			0.0125			0.00041	0.00037
Barium (Ba)-Total	mg/L			1				0.0702	0.0652
Beryllium (Be)-Total	mg/L			0.00013			0.1	0.000045	0.000049
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	0.0000119	0.0000099
Calcium (Ca)-Total	mg/L								
Cesium (Cs)-Total	mg/L							0.00022	0.000225
Chromium (Cr)-Total	mg/L							0.00198	0.00189
Chromium (Cr III)-Total	mg/L			0.0089			0.056	0.002	0.0019
Chromium (Cr VI)-Total	mg/L			0.0025			0.0015	<0.00099	<0.00099
Cobalt (Co)-Total	mg/L							0.00192	0.00175
Copper (Cu)-Total	mg/L				0.002	0.003		0.00771	0.00703
Iron (Fe)-Total	mg/L		1					3.8	3.58
Lead (Pb)-Total	mg/L				0.002	0.14		0.000535	0.000511
Lithium (Li)-Total	mg/L							0.00295	0.00287
Magnesium (Mg)-Total	mg/L								
Manganese (Mn)-Total	mg/L	0.689	0.752				0.1	0.113	0.104
Mercury (Hg)-Total	mg/L	0.00002			0.00002			0.0000033	0.0000026
Molybdenum (Mo)-Total	mg/L	7.6	46					0.000313	0.000324
Nickel (Ni)-Total	mg/L						0.0083	0.00198	0.00189
Phosphorus (P)-Total (ICPMS)	mg/L							0.147	0.177
Potassium (K)-Total	mg/L								
Rubidium (Rb)-Total	mg/L							0.00659	0.00603
Selenium (Se)-Total	mg/L	0.002			0.002			<0.00004	<0.00004
Silicon (Si)-Total	mg/L							8	8.64
Silver (Ag)-Total	mg/L	0.00012			0.0005	0.0037	0.0005	0.000012	0.000047
Sodium (Na)-Total	mg/L								
Strontium (Sr)-Total	mg/L							0.0448	0.0485
Sulphur (S)-Total	mg/L								
Tellurium (Te)-Total	mg/L							<0.00002	<0.00002
Thallium (Tl)-Total	mg/L			0.00003				0.0000419	0.0000422
Thorium (Th)-Total	mg/L							0.00016	0.00015
Tin (Sn)-Total	mg/L							<0.0002	<0.0002
Titanium (Ti)-Total	mg/L							0.287	0.262
Uranium (U)-Total	mg/L		0.0165	0.0075				0.000148	0.000139
Vanadium (V)-Total	mg/L			0.06			0.005	0.00975	0.00919
Zinc (Zn)-Total	mg/L				0.01	0.055		0.0122	0.0112
Zirconium (Zr)-Total	mg/L							0.00025	0.0003

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 2025-09-09 14:15:00	SQU DS 2025-09-09 13:45:00
Dissolved Metals									
Aluminum (Al)-Dissolved	mg/L							0.0383	0.0321
Antimony (Sb)-Dissolved	mg/L							<0.00002	<0.00002
Arsenic (As)-Dissolved	mg/L							0.00012	0.000119
Barium (Ba)-Dissolved	mg/L							0.0052	0.00537
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	0.000063	0.000107					<0.000005	<0.000005
Calcium (Ca)-Dissolved	mg/L							3.19	3.59
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						0.0000462	0.0000482
Copper (Cu)-Dissolved	mg/L	0.0002	0.0002					0.000427	0.000451
Iron (Fe)-Dissolved	mg/L		0.35					0.0251	0.0227
Lead (Pb)-Dissolved	mg/L	0.001059						0.0000095	0.0000078
Lithium (Li)-Dissolved	mg/L							0.00054	0.00057
Manganese (Mn)-Dissolved	mg/L							0.0119	0.013
Magnesium (Mg)-Dissolved	mg/L							0.391	0.44
Mercury (Hg)-Dissolved	mg/L							<0.0000019	<0.0000019
Molybdenum (Mo)-Dissolved	mg/L							0.000352	0.000377
Nickel (Ni)-Dissolved	mg/L	0.0005	0.009					0.00009	0.000101
Phosphorus (P)-Dissolved	mg/L							0.0037	0.0075
Potassium (K)-Dissolved	mg/L							0.561	0.578
Rubidium (Rb)-Dissolved	mg/L							0.000936	0.00101
Selenium (Se)-Dissolved	mg/L							<0.00004	<0.00004
Silicon (Si)-Dissolved	mg/L							2.36	2.9
Silver (Ag)-Dissolved	mg/L							<0.000005	<0.000005
Sodium (Na)-Dissolved	mg/L							1.27	1.5
Strontium (Sr)-Dissolved	mg/L			1.25				0.0201	0.023
Sulphur (S)-Dissolved	mg/L							<3	<3
Tellurium (Te)-Dissolved	mg/L							<0.00002	<0.00002
Thallium (Tl)-Dissolved	mg/L							0.0000041	0.0000025
Thorium (Th)-Dissolved	mg/L							<0.000005	<0.000005
Tin (Sn)-Dissolved	mg/L							<0.0002	<0.0002
Titanium (Ti)-Dissolved	mg/L							0.00153	0.00117
Uranium (U)-Dissolved	mg/L							0.000022	0.0000197
Vanadium (V)-Dissolved	mg/L							0.00087	0.00101
Zinc (Zn)-Dissolved	mg/L	0.003318	0.008702					0.00015	0.00018
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 2025-09-09 14:15:00	SQU DS 2025-09-09 13:45:00
Inorganics									
Organic Carbon (C)-Total	mg/L							0.65	0.63
Organic Carbon (C)-Dissolved	mg/L							0.58	0.53
Solids-Total Dissolved	mg/L							52	40
Solids-Total Suspended	mg/L	185	205					180	240

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 8 th to Sept 14 th , 2025
	Report #	77
	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	2025-09-08 00:00:00	11.98	23.75	0.43	6.98	9.50	323.49
SQU-DS	2025-09-08 00:15:00	11.98	24.35	0.42	7.10	9.49	310.75
SQU-DS	2025-09-08 00:30:00	11.95	24.48	0.41	7.05	9.51	308.20
SQU-DS	2025-09-08 00:45:00	11.91	24.08	0.41	7.10	9.51	280.08
SQU-DS	2025-09-08 01:00:00	11.87	24.28	0.40	7.07	9.50	222.27
SQU-DS	2025-09-08 01:15:00	11.85	24.04	0.40	7.07	9.49	205.54
SQU-DS	2025-09-08 01:30:00	11.81	24.08	0.40	7.10	9.48	241.68
SQU-DS	2025-09-08 01:45:00	11.77	23.70	0.40	7.05	9.50	274.90
SQU-DS	2025-09-08 02:00:00	11.76	23.77	0.40	7.07	9.48	236.02
SQU-DS	2025-09-08 02:15:00	11.73	23.78	0.40	7.03	9.51	264.71
SQU-DS	2025-09-08 02:30:00	11.68	23.76	0.40	7.01	9.52	243.92
SQU-DS	2025-09-08 02:45:00	11.63	23.54	0.39	7.05	9.53	246.62
SQU-DS	2025-09-08 03:00:00	11.59	23.63	0.39	7.08	9.57	251.69
SQU-DS	2025-09-08 03:15:00	11.55	23.30	0.39	7.02	9.56	228.82
SQU-DS	2025-09-08 03:30:00	11.52	23.59	0.39	7.05	9.56	223.94
SQU-DS	2025-09-08 03:45:00	11.47	23.33	0.39	7.07	9.56	181.97
SQU-DS	2025-09-08 04:00:00	11.43	23.07	0.39	7.05	9.58	229.08
SQU-DS	2025-09-08 04:15:00	11.39	22.88	0.39	7.07	9.56	173.38
SQU-DS	2025-09-08 04:30:00	11.36	22.88	0.40	7.04	9.53	197.83
SQU-DS	2025-09-08 04:45:00	11.31	22.73	0.40	7.05	9.53	192.30
SQU-DS	2025-09-08 05:00:00	11.29	22.82	0.40	7.06	9.52	171.67
SQU-DS	2025-09-08 05:15:00	11.23	22.43	0.40	7.07	9.56	199.18
SQU-DS	2025-09-08 05:30:00	11.22	23.02	0.41	7.08	9.53	166.34
SQU-DS	2025-09-08 05:45:00	11.18	23.08	0.41	7.04	9.52	204.17
SQU-DS	2025-09-08 06:00:00	11.16	23.42	0.41	7.07	9.52	164.17
SQU-DS	2025-09-08 06:15:00	11.14	23.81	0.41	7.07	9.56	177.82
SQU-DS	2025-09-08 06:30:00	11.12	24.13	0.41	7.07	9.50	149.39
SQU-DS	2025-09-08 06:45:00	11.09	24.19	0.41	7.04	9.49	125.70
SQU-DS	2025-09-08 07:00:00	11.07	24.31	0.41	7.05	9.49	141.53
SQU-DS	2025-09-08 07:15:00	11.06	24.43	0.41	7.06	9.48	123.26
SQU-DS	2025-09-08 07:30:00	11.04	24.51	0.41	7.05	9.46	163.75
SQU-DS	2025-09-08 07:45:00	11.01	24.23	0.41	7.07	9.52	147.30
SQU-DS	2025-09-08 08:00:00	11.00	24.41	0.41	7.07	9.51	157.95
SQU-DS	2025-09-08 08:15:00	10.98	24.09	0.42	7.05	9.47	153.82
SQU-DS	2025-09-08 08:30:00	10.96	23.60	0.42	7.01	9.51	165.42
SQU-DS	2025-09-08 08:45:00	10.96	23.70	0.42	7.05	9.58	141.39
SQU-DS	2025-09-08 09:00:00	10.97	23.54	0.42	7.01	9.61	151.96
SQU-DS	2025-09-08 09:15:00	10.99	23.30	0.42	7.04	9.62	157.94
SQU-DS	2025-09-08 09:30:00	11.00	22.79	0.42	7.01	9.65	171.23
SQU-DS	2025-09-08 09:45:00	11.03	22.62	0.41	7.05	9.67	144.95
SQU-DS	2025-09-08 10:00:00	11.08	22.44	0.41	7.06	9.68	135.90
SQU-DS	2025-09-08 10:15:00	11.14	22.47	0.41	7.07	9.67	155.06
SQU-DS	2025-09-08 10:30:00	11.20	22.42	0.42	7.00	9.64	158.29
SQU-DS	2025-09-08 10:45:00	11.23	22.09	0.41	7.06	9.71	137.57
SQU-DS	2025-09-08 11:00:00	11.26	22.24	0.42	7.01	9.71	138.50
SQU-DS	2025-09-08 11:15:00	11.30	22.22	0.41	7.08	9.73	170.70
SQU-DS	2025-09-08 11:30:00	11.33	22.52	0.41	7.07	9.68	173.33
SQU-DS	2025-09-08 11:45:00	11.38	23.07	0.41	7.11	9.70	214.31
SQU-DS	2025-09-08 12:00:00	11.44	23.31	0.41	7.17	9.72	249.66
SQU-DS	2025-09-08 12:15:00	11.50	23.74	0.41	7.16	9.73	309.75
SQU-DS	2025-09-08 12:30:00	11.54	23.80	0.41	7.22	9.74	284.82
SQU-DS	2025-09-08 12:45:00	11.57	24.41	0.41	7.25	9.72	294.93
SQU-DS	2025-09-08 13:00:00	11.55	24.95	0.41	7.24	9.70	283.98
SQU-DS	2025-09-08 13:15:00	11.57	25.85	0.41	7.26	9.71	242.14
SQU-DS	2025-09-08 13:30:00	11.61	26.41	0.41	7.21	9.68	233.72

Squamish River							
Station	Date/Time	Temperature (C)	Specific Conductivity (µS/cm)	ORP (V)	pH (pH units)	Dissolved Oxygen (mg/L)	Turbidity (NTU)
SQU-DS	2025-09-08 13:45:00	11.66	27.22	0.41	7.21	9.70	230.63
SQU-DS	2025-09-08 14:00:00	11.68	27.73	0.41	7.20	9.64	208.41
SQU-DS	2025-09-08 14:15:00	11.69	28.47	0.41	7.19	9.57	212.40
SQU-DS	2025-09-08 14:30:00	11.69	29.16	0.41	7.15	9.51	267.68
SQU-DS	2025-09-08 14:45:00	11.68	30.24	0.42	7.14	9.29	187.71
SQU-DS	2025-09-08 15:00:00	11.64	31.30	0.41	7.14	9.06	203.90
SQU-DS	2025-09-08 15:15:00	11.61	32.58	0.41	7.14	9.13	207.13
SQU-DS	2025-09-08 15:30:00	11.57	33.77	0.42	7.13	8.95	219.88
SQU-DS	2025-09-08 15:45:00	11.54	34.74	0.42	7.13	8.77	232.55
SQU-DS	2025-09-08 16:00:00	11.53	35.66	0.42	7.11	8.66	243.08
SQU-DS	2025-09-08 16:15:00	11.50	36.51	0.42	7.12	8.10	240.12
SQU-DS	2025-09-08 16:30:00	11.48	37.42	0.42	7.21	7.12	258.56
SQU-DS	2025-09-08 16:45:00	11.48	38.10	0.43	7.18	6.38	289.84
SQU-DS	2025-09-08 17:00:00	11.52	38.75	0.43	7.21	5.51	214.13
SQU-DS	2025-09-08 17:15:00	11.57	39.56	0.42	7.27	4.56	21.46
SQU-DS	2025-09-08 17:30:00	11.62	40.60	0.42	7.17	3.27	0.00
SQU-DS	2025-09-08 17:45:00	11.65	41.75	0.42	7.16	2.16	0.00
SQU-DS	2025-09-08 18:00:00	11.67	41.76	0.42	7.12	8.21	0.00
SQU-DS	2025-09-08 18:15:00	11.69	42.58	0.40	7.09	9.71	0.00
SQU-DS	2025-09-08 18:30:00	11.71	43.17	0.37	7.05	9.71	0.00
SQU-DS	2025-09-08 18:45:00	11.73	43.77	0.36	7.04	9.69	0.00
SQU-DS	2025-09-08 19:00:00	11.77	44.41	0.35	7.02	9.67	0.00
SQU-DS	2025-09-08 19:15:00	11.82	29.93	0.38	7.00	9.60	0.00
SQU-DS	2025-09-08 19:30:00	11.86	27.25	0.40	7.14	9.56	573.78
SQU-DS	2025-09-08 19:45:00	11.90	27.01	0.41	7.15	9.54	1039.51
SQU-DS	2025-09-08 20:00:00	11.93	27.03	0.41	7.12	9.55	1348.52
SQU-DS	2025-09-08 20:15:00	11.93	26.60	0.42	7.14	9.54	1359.79
SQU-DS	2025-09-08 20:30:00	11.94	26.11	0.42	7.13	9.53	710.88
SQU-DS	2025-09-08 20:45:00	11.95	26.45	0.42	7.13	9.52	610.86
SQU-DS	2025-09-08 21:00:00	11.94	26.09	0.42	7.12	9.52	767.82
SQU-DS	2025-09-08 21:15:00	11.93	25.98	0.42	7.14	9.52	1087.25
SQU-DS	2025-09-08 21:30:00	11.92	26.13	0.42	7.14	9.52	1121.68
SQU-DS	2025-09-08 21:45:00	11.90	26.20	0.42	7.14	9.52	1507.56
SQU-DS	2025-09-08 22:00:00	11.87	26.25	0.42	7.14	9.54	1452.00
SQU-DS	2025-09-08 22:15:00	11.86	26.92	0.43	7.14	9.53	1352.17
SQU-DS	2025-09-08 22:30:00	11.82	26.98	0.43	7.11	9.53	1508.13
SQU-DS	2025-09-08 22:45:00	11.78	27.27	0.43	7.09	9.53	1440.94
SQU-DS	2025-09-08 23:00:00	11.73	27.13	0.43	7.04	9.53	1210.05
SQU-DS	2025-09-08 23:15:00	11.70	27.46	0.43	7.03	9.56	1646.51
SQU-DS	2025-09-08 23:30:00	11.65	27.05	0.43	7.03	9.56	685.60
SQU-DS	2025-09-08 23:45:00	11.61	26.96	0.43	6.99	9.55	682.43
SQU-DS	2025-09-09 00:00:00	11.57	26.77	0.43	7.02	9.58	747.75
SQU-DS	2025-09-09 00:15:00	11.53	26.69	0.43	7.01	9.57	689.03
SQU-DS	2025-09-09 00:30:00	11.48	26.23	0.43	6.97	9.57	572.90
SQU-DS	2025-09-09 00:45:00	11.42	25.70	0.43	6.99	9.59	539.93
SQU-DS	2025-09-09 01:00:00	11.38	25.83	0.43	6.97	9.58	503.35
SQU-DS	2025-09-09 01:15:00	11.33	25.68	0.43	6.97	9.62	378.93
SQU-DS	2025-09-09 01:30:00	11.28	25.47	0.43	6.98	9.61	365.63
SQU-DS	2025-09-09 01:45:00	11.22	25.31	0.43	6.96	9.65	328.78
SQU-DS	2025-09-09 02:00:00	11.16	25.00	0.44	6.97	9.68	323.71
SQU-DS	2025-09-09 02:15:00	11.12	25.05	0.43	7.00	9.63	316.19
SQU-DS	2025-09-09 02:30:00	11.07	25.18	0.43	7.01	9.64	317.51
SQU-DS	2025-09-09 02:45:00	11.02	24.98	0.44	6.98	9.53	313.59
SQU-DS	2025-09-09 03:00:00	10.96	24.73	0.44	7.02	9.70	313.91
SQU-DS	2025-09-09 03:15:00	10.92	24.84	0.44	7.01	9.70	316.72

Squamish River							
Station	Date/Time	Temperature (C)	Specific Conductivity (µS/cm)	ORP (V)	pH (pH units)	Dissolved Oxygen (mg/L)	Turbidity (NTU)
SQU-DS	2025-09-09 03:30:00	10.88	24.61	0.45	7.04	9.70	299.49
SQU-DS	2025-09-09 03:45:00	10.83	24.72	0.45	7.04	9.73	299.08
SQU-DS	2025-09-09 04:00:00	10.81	24.87	0.45	7.04	9.69	298.99
SQU-DS	2025-09-09 04:15:00	10.76	24.66	0.45	7.04	9.70	290.57
SQU-DS	2025-09-09 04:30:00	10.72	24.56	0.45	7.04	9.74	291.24
SQU-DS	2025-09-09 04:45:00	10.70	24.53	0.46	7.03	9.72	283.76
SQU-DS	2025-09-09 05:00:00	10.68	24.54	0.46	7.03	9.69	287.12
SQU-DS	2025-09-09 05:15:00	10.66	24.60	0.46	7.03	9.73	286.65
SQU-DS	2025-09-09 05:30:00	10.66	24.63	0.46	7.02	9.67	291.82
SQU-DS	2025-09-09 05:45:00	10.65	24.82	0.46	7.02	9.69	290.89
SQU-DS	2025-09-09 06:00:00	10.64	24.87	0.46	7.02	9.63	289.32
SQU-DS	2025-09-09 06:15:00	10.64	25.05	0.46	7.02	9.66	287.53
SQU-DS	2025-09-09 06:30:00	10.63	24.80	0.47	7.01	9.72	288.98
SQU-DS	2025-09-09 06:45:00	10.63	25.32	0.47	7.01	9.69	297.86
SQU-DS	2025-09-09 07:00:00	10.63	26.20	0.47	7.00	9.61	313.35
SQU-DS	2025-09-09 07:15:00	10.62	25.38	0.47	6.99	9.71	312.38
SQU-DS	2025-09-09 07:30:00	10.63	26.44	0.47	6.99	9.50	314.01
SQU-DS	2025-09-09 07:45:00	10.63	26.26	0.47	6.99	9.65	313.70
SQU-DS	2025-09-09 08:00:00	10.64	27.04	0.47	6.98	9.50	311.05
SQU-DS	2025-09-09 08:15:00	10.64	26.64	0.47	6.98	9.59	312.57
SQU-DS	2025-09-09 08:30:00	10.65	27.32	0.47	6.98	9.45	314.06
SQU-DS	2025-09-09 08:45:00	10.66	27.42	0.47	6.98	9.40	312.00
SQU-DS	2025-09-09 09:00:00	10.67	28.10	0.47	6.97	9.38	313.74
SQU-DS	2025-09-09 09:15:00	10.65	27.40	0.47	6.97	9.17	312.22
SQU-DS	2025-09-09 09:30:00	10.65	27.68	0.46	6.96	9.49	310.90
SQU-DS	2025-09-09 09:45:00	10.64	27.88	0.47	6.95	9.47	309.87
SQU-DS	2025-09-09 10:00:00	10.63	28.35	0.47	6.95	9.41	303.96
SQU-DS	2025-09-09 10:15:00	10.64	28.11	0.47	6.95	9.23	299.71
SQU-DS	2025-09-09 10:30:00	10.65	28.15	0.47	6.94	8.91	300.78
SQU-DS	2025-09-09 10:45:00	10.66	27.97	0.47	6.93	9.35	300.46
SQU-DS	2025-09-09 11:00:00	10.68	27.46	0.47	6.92	9.46	300.29
SQU-DS	2025-09-09 11:15:00	10.73	27.55	0.47	6.91	9.40	299.99
SQU-DS	2025-09-09 11:30:00	10.80	27.30	0.47	6.91	9.39	298.47
SQU-DS	2025-09-09 11:45:00	10.90	27.93	0.47	6.90	9.33	295.68
SQU-DS	2025-09-09 12:00:00	10.99	28.21	0.47	6.90	9.32	294.18
SQU-DS	2025-09-09 12:15:00	11.06	28.14	0.47	6.91	9.25	293.34
SQU-DS	2025-09-09 12:30:00	11.15	27.99	0.47	6.91	9.22	292.08
SQU-DS	2025-09-09 12:45:00	11.24	28.63	0.47	6.91	9.08	291.01
SQU-DS	2025-09-09 13:00:00	11.34	28.27	0.47	6.90	9.25	290.33
SQU-DS	2025-09-09 13:15:00	11.42	29.39	0.47	6.89	9.12	289.99
SQU-DS	2025-09-09 13:30:00	11.53	28.85	0.47	6.88	9.08	289.00
SQU-DS	2025-09-09 13:45:00	11.62	31.78	0.47	6.89	9.06	288.16
SQU-DS	2025-09-09 14:00:00	11.71	27.52	0.47	6.88	8.98	288.48
SQU-DS	2025-09-09 14:15:00	11.75	28.72	0.47	6.89	8.90	287.19
SQU-DS	2025-09-09 14:30:00	11.86	29.49	0.47	6.88	8.90	286.65
SQU-DS	2025-09-09 14:45:00	11.93	29.32	0.47	6.88	8.82	286.28
SQU-DS	2025-09-09 15:00:00	12.02	30.14	0.47	6.88	8.75	286.18
SQU-DS	2025-09-09 15:15:00	12.07	30.42	0.47	6.88	8.58	285.67
SQU-DS	2025-09-09 15:30:00	12.14	30.16	0.47	6.88	8.59	285.51
SQU-DS	2025-09-09 15:45:00	12.21	29.98	0.47	6.87	8.54	285.33
SQU-DS	2025-09-09 16:00:00	12.29	30.26	0.47	6.87	8.46	285.78
SQU-DS	2025-09-09 16:15:00	12.35	30.25	0.47	6.87	8.41	286.89
SQU-DS	2025-09-09 16:30:00	12.40	30.62	0.47	6.87	8.30	285.07
SQU-DS	2025-09-09 16:45:00	12.44	30.76	0.47	6.87	8.20	284.89
SQU-DS	2025-09-09 17:00:00	12.43	30.59	0.47	6.87	8.04	285.50

Squamish River							
Station	Date/Time	Temperature (C)	Specific Conductivity (µS/cm)	ORP (V)	pH (pH units)	Dissolved Oxygen (mg/L)	Turbidity (NTU)
SQU-DS	2025-09-09 17:15:00	12.42	30.74	0.47	6.88	7.79	282.89
SQU-DS	2025-09-09 17:30:00	12.42	30.95	0.47	6.89	7.61	282.90
SQU-DS	2025-09-09 17:45:00	12.36	30.82	0.47	6.90	7.10	283.13
SQU-DS	2025-09-09 18:00:00	12.33	31.03	0.47	6.92	6.57	282.80
SQU-DS	2025-09-09 18:15:00	12.30	31.37	0.47	6.93	6.10	282.47
SQU-DS	2025-09-09 18:30:00	12.29	33.36	0.47	6.94	5.65	280.90
SQU-DS	2025-09-09 18:45:00	12.26	32.39	0.48	6.95	5.22	280.07
SQU-DS	2025-09-09 19:00:00	12.24	32.35	0.48	6.95	4.78	280.42
SQU-DS	2025-09-09 19:15:00	12.23	32.69	0.48	6.95	4.35	280.87
SQU-DS	2025-09-09 19:30:00	12.22	35.56	0.48	6.95	3.95	277.81
SQU-DS	2025-09-09 19:45:00	12.22	34.90	0.48	6.95	3.58	277.73
SQU-DS	2025-09-09 20:00:00	12.22	37.64	0.48	6.94	3.25	273.73
SQU-DS	2025-09-09 20:15:00	12.24	37.08	0.48	6.94	2.95	273.19
SQU-DS	2025-09-09 20:30:00	12.25	37.49	0.48	6.94	2.65	272.99
SQU-DS	2025-09-09 20:45:00	12.30	37.08	0.48	6.94	2.38	272.80
SQU-DS	2025-09-09 21:00:00	12.35	37.12	0.48	6.94	2.11	272.45
SQU-DS	2025-09-09 21:15:00	12.42	37.91	0.48	6.93	1.85	272.40
SQU-DS	2025-09-09 21:30:00	12.49	37.82	0.47	6.93	1.61	272.32
SQU-DS	2025-09-09 21:45:00	12.53	37.04	0.47	6.93	1.38	272.06
SQU-DS	2025-09-09 22:00:00	12.57	36.17	0.47	6.93	1.16	271.87
SQU-DS	2025-09-09 22:15:00	12.59	35.19	0.47	6.92	0.96	271.58
SQU-DS	2025-09-09 22:30:00	12.61	34.90	0.47	6.92	0.79	271.16
SQU-DS	2025-09-09 22:45:00	12.61	34.00	0.47	6.92	0.69	270.78
SQU-DS	2025-09-09 23:00:00	12.61	33.82	0.47	6.92	0.63	270.63
SQU-DS	2025-09-09 23:15:00	12.60	32.97	0.47	6.92	0.66	270.91
SQU-DS	2025-09-09 23:30:00	12.58	32.35	0.47	6.92	0.73	271.08
SQU-DS	2025-09-09 23:45:00	12.55	31.86	0.47	6.91	0.79	271.15
SQU-DS	2025-09-10 00:00:00	12.50	31.30	0.47	6.91	0.77	270.96
SQU-DS	2025-09-10 00:15:00	12.46	31.30	0.47	6.91	0.82	270.39
SQU-DS	2025-09-10 00:30:00	12.41	31.29	0.47	6.91	0.84	270.59
SQU-DS	2025-09-10 00:45:00	12.36	30.76	0.47	6.91	0.81	270.54
SQU-DS	2025-09-10 01:00:00	12.31	31.13	0.47	6.91	0.80	270.69
SQU-DS	2025-09-10 01:15:00	12.25	30.82	0.47	6.91	0.75	270.94
SQU-DS	2025-09-10 01:30:00	12.19	30.72	0.47	6.91	0.70	271.10
SQU-DS	2025-09-10 01:45:00	12.12	30.88	0.47	6.91	0.71	271.85
SQU-DS	2025-09-10 02:00:00	12.06	30.65	0.47	6.91	0.66	271.83
SQU-DS	2025-09-10 02:15:00	11.99	30.47	0.47	6.90	0.63	271.93
SQU-DS	2025-09-10 02:30:00	11.92	30.46	0.47	6.91	0.59	271.98
SQU-DS	2025-09-10 02:45:00	11.85	30.45	0.47	6.91	0.56	272.19
SQU-DS	2025-09-10 03:00:00	11.78	30.38	0.47	6.91	0.51	272.25
SQU-DS	2025-09-10 03:15:00	11.70	30.27	0.47	6.91	0.48	272.53
SQU-DS	2025-09-10 03:30:00	11.60	29.78	0.47	6.91	0.46	272.66
SQU-DS	2025-09-10 03:45:00	11.52	29.82	0.47	6.91	0.45	272.62
SQU-DS	2025-09-10 04:00:00	11.42	29.68	0.47	6.91	0.42	272.84
SQU-DS	2025-09-10 04:15:00	11.31	29.54	0.47	6.91	0.38	273.17
SQU-DS	2025-09-10 04:30:00	11.23	29.28	0.47	6.91	0.35	273.59
SQU-DS	2025-09-10 04:45:00	11.15	29.17	0.47	6.91	0.32	274.22
SQU-DS	2025-09-10 05:00:00	11.07	28.98	0.47	6.91	0.30	274.27
SQU-DS	2025-09-10 05:15:00	10.98	29.01	0.47	6.91	0.28	273.27
SQU-DS	2025-09-10 05:30:00	10.93	28.99	0.47	6.91	0.26	272.69
SQU-DS	2025-09-10 05:45:00	10.86	28.79	0.47	6.91	0.26	272.16
SQU-DS	2025-09-10 06:00:00	10.83	29.70	0.47	6.92	0.25	272.14
SQU-DS	2025-09-10 06:15:00	10.78	29.26	0.46	6.92	0.23	271.45
SQU-DS	2025-09-10 06:30:00	10.75	30.38	0.46	6.92	0.22	271.28
SQU-DS	2025-09-10 06:45:00	10.72	29.14	0.46	6.92	0.21	271.48

Squamish River							
Station	Date/Time	Temperature (C)	Specific Conductivity (µS/cm)	ORP (V)	pH (pH units)	Dissolved Oxygen (mg/L)	Turbidity (NTU)
SQU-DS	2025-09-10 07:00:00	10.70	31.41	0.45	6.92	0.20	271.80
SQU-DS	2025-09-10 07:15:00	10.69	32.70	0.45	6.92	0.19	271.87
SQU-DS	2025-09-10 07:30:00	10.69	32.75	0.44	6.92	0.18	272.04
SQU-DS	2025-09-10 07:45:00	10.68	33.54	0.44	6.92	0.17	271.74
SQU-DS	2025-09-10 08:00:00	10.70	35.48	0.43	6.92	0.16	271.81
SQU-DS	2025-09-10 08:15:00	10.71	36.47	0.43	6.93	0.15	271.13
SQU-DS	2025-09-10 08:30:00	10.73	36.53	0.42	6.93	0.14	270.80
SQU-DS	2025-09-10 08:45:00	10.75	36.65	0.41	6.93	0.14	270.57
SQU-DS	2025-09-10 09:00:00	10.77	37.30	0.41	6.93	0.13	270.36
SQU-DS	2025-09-10 09:15:00	10.80	39.15	0.40	6.93	0.12	269.64
SQU-DS	2025-09-10 09:30:00	10.84	39.12	0.39	6.93	0.12	269.42
SQU-DS	2025-09-10 09:45:00	10.87	39.01	0.38	6.93	0.11	268.99
SQU-DS	2025-09-10 10:00:00	10.91	38.47	0.38	6.93	0.11	268.79
SQU-DS	2025-09-10 10:15:00	10.95	38.50	0.37	6.94	0.11	268.79
SQU-DS	2025-09-10 10:30:00	11.00	38.54	0.36	6.94	0.11	272.05
SQU-DS	2025-09-10 10:45:00	11.03	38.66	0.35	6.94	0.11	271.27
SQU-DS	2025-09-10 11:00:00	11.09	39.16	0.34	6.94	0.11	270.40
SQU-DS	2025-09-10 11:15:00	11.15	37.48	0.33	6.94	0.11	270.13
SQU-DS	2025-09-10 11:30:00	11.24	37.12	0.32	6.94	0.11	270.19
SQU-DS	2025-09-10 11:45:00	11.31	36.05	0.31	6.94	0.11	269.93
SQU-DS	2025-09-10 12:00:00	11.41	35.68	0.30	6.94	0.11	269.34
SQU-DS	2025-09-10 12:15:00	11.49	35.58	0.29	6.94	0.12	269.17
SQU-DS	2025-09-10 12:30:00	11.60	34.98	0.28	6.94	0.12	269.00
SQU-DS	2025-09-10 12:45:00	11.72	33.49	0.26	6.94	0.12	268.73
SQU-DS	2025-09-10 13:00:00	11.78	33.27	0.25	6.94	0.13	268.14
SQU-DS	2025-09-10 13:15:00	11.89	33.35	0.24	6.94	0.14	267.76
SQU-DS	2025-09-10 13:30:00	11.96	32.74	0.23	6.94	0.15	267.38
SQU-DS	2025-09-10 13:45:00	12.04	32.67	0.22	6.94	0.16	267.28
SQU-DS	2025-09-10 14:00:00	12.09	32.67	0.21	6.94	0.17	267.13
SQU-DS	2025-09-10 14:15:00	12.17	32.87	0.21	6.94	0.18	269.38
SQU-DS	2025-09-10 14:30:00	12.21	33.07	0.20	6.94	0.19	269.30
SQU-DS	2025-09-10 14:45:00	12.28	33.04	0.19	6.94	0.19	268.99
SQU-DS	2025-09-10 15:00:00	12.35	32.79	0.18	6.94	0.20	268.89
SQU-DS	2025-09-10 15:15:00	12.39	32.60	0.18	6.94	0.20	268.82
SQU-DS	2025-09-10 15:30:00	12.47	32.63	0.19	6.94	0.22	268.47
SQU-DS	2025-09-10 15:45:00	12.51	32.75	0.19	6.94	0.22	268.39
SQU-DS	2025-09-10 16:00:00	12.55	32.74	0.19	6.94	0.22	268.33
SQU-DS	2025-09-10 16:15:00	12.60	33.00	0.20	6.94	0.22	268.22
SQU-DS	2025-09-10 16:30:00	12.63	33.57	0.20	6.94	0.22	267.79
SQU-DS	2025-09-10 16:45:00	12.67	33.50	0.20	6.94	0.21	267.80
SQU-DS	2025-09-10 17:00:00	12.72	33.90	0.19	6.94	0.22	267.98
SQU-DS	2025-09-10 17:15:00	12.78	34.38	0.18	6.94	0.21	268.06
SQU-DS	2025-09-10 17:30:00	12.76	35.12	0.16	6.94	0.19	268.74
SQU-DS	2025-09-10 17:45:00	12.76	35.88	0.14	6.94	0.17	268.73
SQU-DS	2025-09-10 18:00:00	12.78	36.94	0.13	6.94	0.15	268.68
SQU-DS	2025-09-10 18:15:00	12.78	37.04	0.11	6.94	0.13	268.79
SQU-DS	2025-09-10 18:30:00	12.79	38.13	0.10	6.93	0.12	268.75
SQU-DS	2025-09-10 18:45:00	12.80	38.96	0.09	6.93	0.11	268.71
SQU-DS	2025-09-10 19:00:00	12.82	39.83	0.07	6.93	0.10	268.65
SQU-DS	2025-09-10 19:15:00	12.83	40.53	0.06	6.93	0.09	268.37
SQU-DS	2025-09-10 19:30:00	12.85	41.13	0.05	6.93	0.08	268.50
SQU-DS	2025-09-10 19:45:00	12.86	42.63	0.04	6.93	0.08	268.56
SQU-DS	2025-09-10 20:00:00	12.86	44.62	0.03	6.93	0.07	268.62
SQU-DS	2025-09-10 20:15:00	12.85	46.54	0.02	6.93	0.07	268.00
SQU-DS	2025-09-10 20:30:00	12.85	55.96	0.02	6.93	0.07	266.22

Squamish River							
Station	Date/Time	Temperature (C)	Specific Conductivity (µS/cm)	ORP (V)	pH (pH units)	Dissolved Oxygen (mg/L)	Turbidity (NTU)
SQU-DS	2025-09-10 20:45:00	12.85	49.05	0.01	6.93	0.07	265.91
SQU-DS	2025-09-10 21:00:00	12.86	51.18	0.01	6.93	0.07	265.97
SQU-DS	2025-09-10 21:15:00	12.87	47.76	0.00	6.93	0.07	265.90
SQU-DS	2025-09-10 21:30:00	12.88	49.35	0.00	6.93	0.07	265.83
SQU-DS	2025-09-10 21:45:00	12.89	50.36	-0.01	6.93	0.07	265.76
SQU-DS	2025-09-10 22:00:00	12.89	52.15	-0.01	6.93	0.07	265.57
SQU-DS	2025-09-10 22:15:00	12.89	52.12	-0.02	6.93	0.07	265.57
SQU-DS	2025-09-10 22:30:00	12.89	49.84	-0.02	6.93	0.07	265.90
SQU-DS	2025-09-10 22:45:00	12.87	49.78	-0.02	6.93	0.07	265.99
SQU-DS	2025-09-10 23:00:00	12.85	48.27	-0.03	6.93	0.07	265.62
SQU-DS	2025-09-10 23:15:00	12.83	48.65	-0.03	6.93	0.07	265.46
SQU-DS	2025-09-10 23:30:00	12.80	47.88	-0.04	6.93	0.07	265.21
SQU-DS	2025-09-10 23:45:00	12.76	46.86	-0.04	6.93	0.07	265.06
SQU-DS	2025-09-11 00:00:00	12.72	46.94	-0.04	6.93	0.07	264.74
SQU-DS	2025-09-11 00:15:00	12.67	46.79	-0.04	6.93	0.07	264.82
SQU-DS	2025-09-11 00:30:00	12.62	45.76	-0.05	6.93	0.07	264.59
SQU-DS	2025-09-11 00:45:00	12.56	45.97	-0.05	6.93	0.07	264.27
SQU-DS	2025-09-11 01:00:00	12.49	45.62	-0.05	6.93	0.07	266.96
SQU-DS	2025-09-11 01:15:00	12.43	45.83	-0.05	6.93	0.07	266.98
SQU-DS	2025-09-11 01:30:00	12.36	46.86	-0.05	6.93	0.07	267.39
SQU-DS	2025-09-11 01:45:00	12.28	47.35	-0.05	6.93	0.07	266.07
SQU-DS	2025-09-11 02:00:00	12.20	48.56	-0.06	6.93	0.07	266.11
SQU-DS	2025-09-11 02:15:00	12.12	48.72	-0.06	6.93	0.07	266.15
SQU-DS	2025-09-11 02:30:00	12.03	47.83	-0.06	6.93	0.07	265.64
SQU-DS	2025-09-11 02:45:00	11.95	48.24	-0.06	6.93	0.07	265.69
SQU-DS	2025-09-11 03:00:00	11.86	47.91	-0.06	6.93	0.07	265.51
SQU-DS	2025-09-11 03:15:00	11.78	47.61	-0.06	6.93	0.07	265.32
SQU-DS	2025-09-11 03:30:00	11.69	47.59	-0.06	6.93	0.07	264.85
SQU-DS	2025-09-11 03:45:00	11.62	60.70	-0.05	6.93	0.07	213.63
SQU-DS	2025-09-11 04:00:00	11.54	54.71	-0.05	6.93	0.06	213.31
SQU-DS	2025-09-11 04:15:00	11.46	54.81	-0.05	6.93	0.06	212.59
SQU-DS	2025-09-11 04:30:00	11.39	57.21	-0.05	6.93	0.06	212.68
SQU-DS	2025-09-11 04:45:00	11.32	56.59	-0.05	6.93	0.05	211.69
SQU-DS	2025-09-11 05:00:00	11.26	56.51	-0.05	6.93	0.06	210.44
SQU-DS	2025-09-11 05:15:00	11.19	55.82	-0.04	6.93	0.06	209.27
SQU-DS	2025-09-11 05:30:00	11.13	55.42	-0.04	6.93	0.06	208.20
SQU-DS	2025-09-11 05:45:00	11.09	53.37	-0.04	6.93	0.06	206.17
SQU-DS	2025-09-11 06:00:00	11.03	55.32	-0.04	6.93	0.06	204.35
SQU-DS	2025-09-11 06:15:00	11.00	55.86	-0.03	6.93	0.07	203.95
SQU-DS	2025-09-11 06:30:00	10.96	56.35	-0.03	6.93	0.07	202.32
SQU-DS	2025-09-11 06:45:00	10.94	55.67	-0.03	6.93	0.07	206.46
SQU-DS	2025-09-11 07:00:00	10.92	58.83	-0.03	6.93	0.07	204.35
SQU-DS	2025-09-11 07:15:00	10.91	59.41	-0.03	6.93	0.07	201.82
SQU-DS	2025-09-11 07:30:00	10.90	59.89	-0.03	6.93	0.07	201.06
SQU-DS	2025-09-11 07:45:00	10.89	60.57	-0.03	6.93	0.07	199.45
SQU-DS	2025-09-11 08:00:00	10.90	60.66	-0.02	6.93	0.07	198.28
SQU-DS	2025-09-11 08:15:00	10.91	62.10	-0.02	6.93	0.08	197.64
SQU-DS	2025-09-11 08:30:00	10.92	62.22	-0.02	6.93	0.08	201.56
SQU-DS	2025-09-11 08:45:00	10.93	65.18	-0.02	6.94	0.08	201.58
SQU-DS	2025-09-11 09:00:00	10.95	67.14	-0.02	6.94	0.08	206.81
SQU-DS	2025-09-11 09:15:00	10.98	67.00	-0.02	6.94	0.08	209.80
SQU-DS	2025-09-11 09:30:00	11.01	68.77	-0.02	6.94	0.08	213.17
SQU-DS	2025-09-11 09:45:00	11.04	70.18	-0.02	6.94	0.08	212.94
SQU-DS	2025-09-11 10:00:00	11.07	69.15	-0.02	6.94	0.08	211.70
SQU-DS	2025-09-11 10:15:00	11.10	67.81	-0.02	6.94	0.07	210.97

Squamish River							
Station	Date/Time	Temperature (C)	Specific Conductivity (µS/cm)	ORP (V)	pH (pH units)	Dissolved Oxygen (mg/L)	Turbidity (NTU)
SQU-DS	2025-09-11 10:30:00	11.14	70.75	-0.02	6.94	0.07	210.32
SQU-DS	2025-09-11 10:45:00	11.17	68.57	-0.02	6.94	0.07	209.55
SQU-DS	2025-09-11 11:00:00	11.21	69.94	-0.02	6.94	0.06	208.67
SQU-DS	2025-09-11 11:15:00	11.25	71.49	-0.02	6.94	0.06	208.38
SQU-DS	2025-09-11 11:30:00	11.29	74.44	-0.02	6.94	0.05	207.51
SQU-DS	2025-09-11 11:45:00	11.37	79.86	-0.02	6.94	0.04	206.78
SQU-DS	2025-09-11 12:00:00	11.45	80.47	-0.02	6.94	0.03	208.76
SQU-DS	2025-09-11 12:15:00	11.53	83.40	-0.02	6.94	0.02	208.19
SQU-DS	2025-09-11 12:30:00	11.61	85.74	-0.03	6.94	0.01	207.39
SQU-DS	2025-09-11 12:45:00	11.68	87.34	-0.03	6.94	0.00	206.48
SQU-DS	2025-09-11 13:00:00	11.75	88.04	-0.03	6.94	0.00	206.04
SQU-DS	2025-09-11 13:15:00	11.82	89.10	-0.03	6.94	0.00	202.87
SQU-DS	2025-09-11 13:30:00	11.89	86.03	-0.03	6.94	0.00	202.48
SQU-DS	2025-09-11 13:45:00	11.95	86.74	-0.03	6.94	0.00	202.14
SQU-DS	2025-09-11 14:00:00	12.03	87.00	-0.03	6.94	0.00	201.77
SQU-DS	2025-09-11 14:15:00	12.09	89.00	-0.03	6.94	0.00	201.61
SQU-DS	2025-09-11 14:30:00	12.16	90.19	-0.03	6.94	0.00	199.49
SQU-DS	2025-09-11 14:45:00	12.22	90.83	-0.03	6.94	0.00	199.08
SQU-DS	2025-09-11 15:00:00	12.29	90.03	-0.03	6.94	0.00	198.65
SQU-DS	2025-09-11 15:15:00	12.36	84.46	-0.04	6.94	0.00	197.31
SQU-DS	2025-09-11 15:30:00	12.42	88.48	-0.04	6.94	0.00	198.21
SQU-DS	2025-09-11 15:45:00	12.47	88.50	-0.04	6.93	0.00	197.54
SQU-DS	2025-09-11 16:00:00	12.52	87.40	-0.04	6.93	0.00	197.20
SQU-DS	2025-09-11 16:15:00	12.56	86.47	-0.04	6.93	0.00	196.80
SQU-DS	2025-09-11 16:30:00	12.60	86.03	-0.04	6.93	0.00	195.03
SQU-DS	2025-09-11 16:45:00	12.63	85.72	-0.05	6.93	0.00	193.87
SQU-DS	2025-09-11 17:00:00	12.65	85.65	-0.05	6.93	0.00	193.80
SQU-DS	2025-09-11 17:15:00	12.67	86.28	-0.05	6.93	0.00	194.64
SQU-DS	2025-09-11 17:30:00	12.67	85.86	-0.05	6.93	0.00	193.68
SQU-DS	2025-09-11 17:45:00	12.65	85.79	-0.05	6.93	0.00	193.42
SQU-DS	2025-09-11 18:00:00	12.62	85.67	-0.05	6.93	0.00	193.28
SQU-DS	2025-09-11 18:15:00	12.60	86.04	-0.05	6.93	0.00	192.62
SQU-DS	2025-09-11 18:30:00	12.58	86.77	-0.05	6.93	0.00	191.77
SQU-DS	2025-09-11 18:45:00	12.58	87.93	-0.06	6.93	0.00	191.48
SQU-DS	2025-09-11 19:00:00	12.58	89.00	-0.06	6.93	0.00	190.53
SQU-DS	2025-09-11 19:15:00	12.58	89.56	-0.06	6.93	0.00	189.88
SQU-DS	2025-09-11 19:30:00	12.59	90.17	-0.06	6.93	0.00	189.36
SQU-DS	2025-09-11 19:45:00	12.60	90.51	-0.06	6.93	0.00	189.11
SQU-DS	2025-09-11 20:00:00	12.61	91.18	-0.06	6.92	0.00	188.62
SQU-DS	2025-09-11 20:15:00	12.62	91.69	-0.06	6.92	0.00	188.30
SQU-DS	2025-09-11 20:30:00	12.64	92.14	-0.06	6.92	0.00	188.23
SQU-DS	2025-09-11 20:45:00	12.66	92.52	-0.06	6.92	0.00	188.16
SQU-DS	2025-09-11 21:00:00	12.67	93.20	-0.06	6.92	0.00	185.41
SQU-DS	2025-09-11 21:15:00	12.69	93.84	-0.07	6.92	0.00	184.57
SQU-DS	2025-09-11 21:30:00	12.71	94.29	-0.07	6.92	0.00	184.18
SQU-DS	2025-09-11 21:45:00	12.74	94.49	-0.07	6.92	0.00	183.57
SQU-DS	2025-09-11 22:00:00	12.76	94.88	-0.07	6.92	0.00	183.21
SQU-DS	2025-09-11 22:15:00	12.78	96.09	-0.07	6.92	0.00	182.57
SQU-DS	2025-09-11 22:30:00	12.80	97.00	-0.07	6.92	0.00	182.37
SQU-DS	2025-09-11 22:45:00	12.81	97.50	-0.07	6.92	0.00	182.12
SQU-DS	2025-09-11 23:00:00	12.82	98.14	-0.07	6.92	0.00	181.89
SQU-DS	2025-09-11 23:15:00	12.83	98.71	-0.07	6.92	0.00	181.41
SQU-DS	2025-09-11 23:30:00	12.82	99.06	-0.07	6.92	0.00	181.21
SQU-DS	2025-09-11 23:45:00	12.80	99.38	-0.07	6.92	0.00	181.07
SQU-DS	2025-09-12 00:00:00	12.77	100.16	-0.08	6.92	0.00	180.78

Squamish River							
Station	Date/Time	Temperature (C)	Specific Conductivity (µS/cm)	ORP (V)	pH (pH units)	Dissolved Oxygen (mg/L)	Turbidity (NTU)
SQU-DS	2025-09-12 00:15:00	12.74	100.12	-0.08	6.92	0.00	182.12
SQU-DS	2025-09-12 00:30:00	12.69	100.68	-0.08	6.92	0.00	179.96
SQU-DS	2025-09-12 00:45:00	12.64	101.01	-0.08	6.92	0.00	179.70
SQU-DS	2025-09-12 01:00:00	12.58	101.89	-0.08	6.92	0.00	178.95
SQU-DS	2025-09-12 01:15:00	12.51	103.03	-0.08	6.92	0.00	178.63
SQU-DS	2025-09-12 01:30:00	12.45	103.89	-0.08	6.92	0.00	178.20
SQU-DS	2025-09-12 01:45:00	12.37	104.62	-0.08	6.92	0.00	174.19
SQU-DS	2025-09-12 02:00:00	12.30	104.92	-0.08	6.92	0.00	172.17
SQU-DS	2025-09-12 02:15:00	12.23	105.31	-0.09	6.92	0.00	171.07
SQU-DS	2025-09-12 02:30:00	12.15	105.99	-0.09	6.92	0.00	168.87
SQU-DS	2025-09-12 02:45:00	12.06	106.60	-0.09	6.92	0.00	168.17
SQU-DS	2025-09-12 03:00:00	11.98	107.12	-0.09	6.92	0.00	168.10
SQU-DS	2025-09-12 03:15:00	11.91	107.66	-0.09	6.92	0.00	167.98
SQU-DS	2025-09-12 03:30:00	11.83	108.55	-0.09	6.92	0.00	167.87
SQU-DS	2025-09-12 03:45:00	11.76	108.12	-0.09	6.92	0.00	167.70
SQU-DS	2025-09-12 04:00:00	11.68	107.77	-0.09	6.92	0.00	167.52
SQU-DS	2025-09-12 04:15:00	11.61	107.92	-0.09	6.93	0.00	167.24
SQU-DS	2025-09-12 04:30:00	11.54	108.12	-0.10	6.93	0.00	167.03
SQU-DS	2025-09-12 04:45:00	11.48	108.65	-0.10	6.93	0.00	166.68
SQU-DS	2025-09-12 05:00:00	11.41	107.10	-0.10	6.93	0.00	166.43
SQU-DS	2025-09-12 05:15:00	11.35	108.23	-0.10	6.93	0.00	166.06
SQU-DS	2025-09-12 05:30:00	11.30	108.95	-0.10	6.93	0.00	165.37
SQU-DS	2025-09-12 05:45:00	11.25	109.32	-0.10	6.93	0.00	164.40
SQU-DS	2025-09-12 06:00:00	11.20	109.49	-0.10	6.93	0.00	164.11
SQU-DS	2025-09-12 06:15:00	11.16	109.94	-0.10	6.93	0.00	163.93
SQU-DS	2025-09-12 06:30:00	11.13	110.47	-0.10	6.93	0.00	163.15
SQU-DS	2025-09-12 06:45:00	11.11	111.01	-0.11	6.93	0.00	165.27
SQU-DS	2025-09-12 07:00:00	11.09	115.23	-0.11	6.93	0.00	154.40
SQU-DS	2025-09-12 07:15:00	11.07	116.21	-0.11	6.93	0.00	148.58
SQU-DS	2025-09-12 07:30:00	11.07	116.24	-0.11	6.93	0.00	149.96
SQU-DS	2025-09-12 07:45:00	11.07	116.02	-0.11	6.93	0.00	150.53
SQU-DS	2025-09-12 08:00:00	11.08	111.74	-0.11	6.93	0.00	150.66
SQU-DS	2025-09-12 08:15:00	11.08	111.23	-0.11	6.93	0.00	150.77
SQU-DS	2025-09-12 08:30:00	11.09	111.24	-0.11	6.93	0.00	151.27
SQU-DS	2025-09-12 08:45:00	11.11	111.47	-0.12	6.93	0.00	151.61
SQU-DS	2025-09-12 09:00:00	11.13	111.50	-0.12	6.93	0.00	152.08
SQU-DS	2025-09-12 09:15:00	11.16	111.89	-0.12	6.93	0.00	152.42
SQU-DS	2025-09-12 09:30:00	11.19	112.51	-0.12	6.93	0.00	152.70
SQU-DS	2025-09-12 09:45:00	11.23	113.61	-0.12	6.93	0.00	152.39
SQU-DS	2025-09-12 10:00:00	11.27	114.61	-0.12	6.94	0.00	148.60
SQU-DS	2025-09-12 10:15:00	11.32	115.11	-0.13	6.94	0.00	149.07
SQU-DS	2025-09-12 10:30:00	11.37	115.67	-0.13	6.94	0.00	149.59
SQU-DS	2025-09-12 10:45:00	11.43	114.96	-0.13	6.94	0.00	57.46
SQU-DS	2025-09-12 11:00:00	11.52	112.37	-0.13	6.94	0.00	53.51
SQU-DS	2025-09-12 11:15:00	11.60	113.73	-0.13	6.94	0.00	53.30
SQU-DS	2025-09-12 11:30:00	11.68	115.54	-0.13	6.94	0.00	50.23
SQU-DS	2025-09-12 11:45:00	11.77	116.44	-0.14	6.94	0.00	47.51
SQU-DS	2025-09-12 12:00:00	11.86	116.96	-0.14	6.94	0.00	46.79
SQU-DS	2025-09-12 12:15:00	11.93	117.23	-0.14	6.94	0.00	46.25
SQU-DS	2025-09-12 12:30:00	12.00	117.58	-0.14	6.94	0.00	45.92
SQU-DS	2025-09-12 12:45:00	12.07	117.95	-0.15	6.94	0.00	45.64
SQU-DS	2025-09-12 13:00:00	12.15	118.24	-0.15	6.94	0.00	45.11
SQU-DS	2025-09-12 13:15:00	12.22	118.55	-0.15	6.94	0.00	44.91
SQU-DS	2025-09-12 13:30:00	12.28	118.89	-0.15	6.94	0.00	44.69
SQU-DS	2025-09-12 13:45:00	12.33	119.27	-0.16	6.94	0.00	44.60

Squamish River							
Station	Date/Time	Temperature (C)	Specific Conductivity (µS/cm)	ORP (V)	pH (pH units)	Dissolved Oxygen (mg/L)	Turbidity (NTU)
SQU-DS	2025-09-12 14:00:00	12.37	119.63	-0.16	6.94	0.00	44.38
SQU-DS	2025-09-12 14:15:00	12.42	119.98	-0.16	6.94	0.00	44.29
SQU-DS	2025-09-12 14:30:00	12.48	120.31	-0.17	6.94	0.00	44.20
SQU-DS	2025-09-12 14:45:00	12.54	120.70	-0.17	6.94	0.00	43.97
SQU-DS	2025-09-12 15:00:00	12.59	121.11	-0.18	6.94	0.00	43.77
SQU-DS	2025-09-12 15:15:00	12.64	121.51	-0.18	6.94	0.00	43.61
SQU-DS	2025-09-12 15:30:00	12.67	121.93	-0.19	6.93	0.00	43.56
SQU-DS	2025-09-12 15:45:00	12.70	122.34	-0.19	6.93	0.00	43.46
SQU-DS	2025-09-12 16:00:00	12.71	122.75	-0.20	6.93	0.00	43.34
SQU-DS	2025-09-12 16:15:00	12.72	123.23	-0.21	6.93	0.00	43.33
SQU-DS	2025-09-12 16:30:00	12.73	123.67	-0.21	6.93	0.00	43.10
SQU-DS	2025-09-12 16:45:00	12.74	124.09	-0.22	6.93	0.00	43.00
SQU-DS	2025-09-12 17:00:00	12.74	124.54	-0.23	6.93	0.00	42.96
SQU-DS	2025-09-12 17:15:00	12.74	124.93	-0.24	6.93	0.00	42.95
SQU-DS	2025-09-12 17:30:00	12.74	125.28	-0.25	6.93	0.00	42.83
SQU-DS	2025-09-12 17:45:00	12.73	125.61	-0.26	6.93	0.00	42.78
SQU-DS	2025-09-12 18:00:00	12.72	125.94	-0.27	6.93	0.00	42.73
SQU-DS	2025-09-12 18:15:00	12.71	126.28	-0.28	6.93	0.00	42.54
SQU-DS	2025-09-12 18:30:00	12.72	126.59	-0.29	6.93	0.00	42.13
SQU-DS	2025-09-12 18:45:00	12.72	126.90	-0.30	6.93	0.00	42.01
SQU-DS	2025-09-12 19:00:00	12.73	127.21	-0.31	6.93	0.00	41.92
SQU-DS	2025-09-12 19:15:00	12.74	127.54	-0.31	6.93	0.00	41.72
SQU-DS	2025-09-12 19:30:00	12.76	127.89	-0.32	6.93	0.00	41.58
SQU-DS	2025-09-12 19:45:00	12.78	128.22	-0.33	6.93	0.00	41.44
SQU-DS	2025-09-12 20:00:00	12.80	128.55	-0.33	6.93	0.00	41.22
SQU-DS	2025-09-12 20:15:00	12.81	128.91	-0.33	6.93	0.00	41.03
SQU-DS	2025-09-12 20:30:00	12.83	129.21	-0.34	6.93	0.00	40.84
SQU-DS	2025-09-12 20:45:00	12.84	129.55	-0.34	6.93	0.00	40.79
SQU-DS	2025-09-12 21:00:00	12.85	129.87	-0.34	6.93	0.00	39.96
SQU-DS	2025-09-12 21:15:00	12.86	130.17	-0.34	6.93	0.00	39.75
SQU-DS	2025-09-12 21:30:00	12.87	130.48	-0.34	6.92	0.00	39.62
SQU-DS	2025-09-12 21:45:00	12.87	130.80	-0.35	6.92	0.00	39.49
SQU-DS	2025-09-12 22:00:00	12.88	131.16	-0.35	6.92	0.00	39.43
SQU-DS	2025-09-12 22:15:00	12.88	131.50	-0.35	6.92	0.00	39.29
SQU-DS	2025-09-12 22:30:00	12.88	131.83	-0.35	6.92	0.00	39.15
SQU-DS	2025-09-12 22:45:00	12.88	132.21	-0.35	6.92	0.00	38.91
SQU-DS	2025-09-12 23:00:00	12.87	132.55	-0.35	6.92	0.00	38.78
SQU-DS	2025-09-12 23:15:00	12.86	132.98	-0.35	6.92	0.00	38.67
SQU-DS	2025-09-12 23:30:00	12.85	133.28	-0.36	6.92	0.00	38.60
SQU-DS	2025-09-12 23:45:00	12.83	133.66	-0.36	6.92	0.00	38.62
SQU-DS	2025-09-13 00:00:00	12.81	134.01	-0.36	6.92	0.00	38.64
SQU-DS	2025-09-13 00:15:00	12.77	134.36	-0.36	6.92	0.00	38.61
SQU-DS	2025-09-13 00:30:00	12.74	134.70	-0.36	6.92	0.00	38.65
SQU-DS	2025-09-13 00:45:00	12.70	135.04	-0.36	6.92	0.00	38.70
SQU-DS	2025-09-13 01:00:00	12.65	135.41	-0.36	6.92	0.00	38.66
SQU-DS	2025-09-13 01:15:00	12.60	135.76	-0.37	6.92	0.00	38.69
SQU-DS	2025-09-13 01:30:00	12.54	136.11	-0.37	6.92	0.00	38.74
SQU-DS	2025-09-13 01:45:00	12.49	136.42	-0.37	6.92	0.00	38.71
SQU-DS	2025-09-13 02:00:00	12.42	136.71	-0.38	6.93	0.00	38.77
SQU-DS	2025-09-13 02:15:00	12.36	137.03	-0.38	6.93	0.00	38.76
SQU-DS	2025-09-13 02:30:00	12.30	137.34	-0.38	6.92	0.00	38.42
SQU-DS	2025-09-13 02:45:00	12.23	137.61	-0.39	6.92	0.00	38.46
SQU-DS	2025-09-13 03:00:00	12.16	137.95	-0.39	6.92	0.00	38.47
SQU-DS	2025-09-13 03:15:00	12.10	138.27	-0.39	6.92	0.00	38.86
SQU-DS	2025-09-13 03:30:00	12.03	138.61	-0.39	6.92	0.00	39.15

Squamish River							
Station	Date/Time	Temperature (C)	Specific Conductivity (µS/cm)	ORP (V)	pH (pH units)	Dissolved Oxygen (mg/L)	Turbidity (NTU)
SQU-DS	2025-09-13 03:45:00	11.97	138.93	-0.39	6.92	0.00	38.93
SQU-DS	2025-09-13 04:00:00	11.92	139.23	-0.39	6.92	0.00	38.96
SQU-DS	2025-09-13 04:15:00	11.86	139.54	-0.39	6.92	0.00	38.96
SQU-DS	2025-09-13 04:30:00	11.80	139.85	-0.39	6.93	0.00	39.01
SQU-DS	2025-09-13 04:45:00	11.74	140.19	-0.39	6.93	0.00	39.02
SQU-DS	2025-09-13 05:00:00	11.66	140.44	-0.39	6.93	0.00	39.03
SQU-DS	2025-09-13 05:15:00	11.58	140.72	-0.40	6.93	0.00	39.08
SQU-DS	2025-09-13 05:30:00	11.50	141.02	-0.40	6.93	0.00	39.10
SQU-DS	2025-09-13 05:45:00	11.41	141.25	-0.40	6.93	0.00	39.04
SQU-DS	2025-09-13 06:00:00	11.32	141.46	-0.40	6.93	0.00	38.94
SQU-DS	2025-09-13 06:15:00	11.24	141.71	-0.40	6.93	0.00	38.91
SQU-DS	2025-09-13 06:30:00	11.17	141.96	-0.40	6.93	0.00	38.85
SQU-DS	2025-09-13 06:45:00	11.10	142.09	-0.40	6.93	0.00	38.82
SQU-DS	2025-09-13 07:00:00	11.04	142.43	-0.40	6.93	0.00	38.47
SQU-DS	2025-09-13 07:15:00	10.99	142.78	-0.40	6.93	0.00	38.40
SQU-DS	2025-09-13 07:30:00	10.94	142.97	-0.40	6.93	0.00	38.34
SQU-DS	2025-09-13 07:45:00	10.91	143.07	-0.40	6.93	0.00	38.26
SQU-DS	2025-09-13 08:00:00	10.88	143.01	-0.40	6.93	0.00	37.97
SQU-DS	2025-09-13 08:15:00	10.86	142.68	-0.40	6.93	0.00	37.66
SQU-DS	2025-09-13 08:30:00	10.84	142.05	-0.40	6.93	0.00	37.59
SQU-DS	2025-09-13 08:45:00	10.83	140.31	-0.40	6.93	0.00	37.38
SQU-DS	2025-09-13 09:00:00	10.84	138.47	-0.40	6.93	0.00	37.19
SQU-DS	2025-09-13 09:15:00	10.86	137.19	-0.40	6.93	0.00	37.09
SQU-DS	2025-09-13 09:30:00	10.89	136.60	-0.40	6.93	0.00	37.01
SQU-DS	2025-09-13 09:45:00	10.92	136.21	-0.40	6.93	0.00	36.74
SQU-DS	2025-09-13 10:00:00	10.96	136.58	-0.40	6.93	0.00	36.59
SQU-DS	2025-09-13 10:15:00	11.01	137.04	-0.40	6.93	0.00	36.50
SQU-DS	2025-09-13 10:30:00	11.07	137.57	-0.40	6.93	0.00	36.33
SQU-DS	2025-09-13 10:45:00	11.13	138.31	-0.40	6.93	0.00	36.17
SQU-DS	2025-09-13 11:00:00	11.21	138.74	-0.40	6.93	0.00	35.99
SQU-DS	2025-09-13 11:15:00	11.27	141.35	-0.40	6.93	0.00	34.38
SQU-DS	2025-09-13 11:30:00	11.34	141.74	-0.40	6.93	0.00	34.12
SQU-DS	2025-09-13 11:45:00	11.42	141.93	-0.40	6.93	0.00	33.93
SQU-DS	2025-09-13 12:00:00	11.50	142.70	-0.40	6.93	0.00	33.11
SQU-DS	2025-09-13 12:15:00	11.57	142.91	-0.40	6.93	0.00	32.82
SQU-DS	2025-09-13 12:30:00	11.64	142.88	-0.40	6.93	0.00	32.67
SQU-DS	2025-09-13 12:45:00	11.70	143.03	-0.40	6.93	0.00	32.48
SQU-DS	2025-09-13 13:00:00	11.78	143.17	-0.40	6.93	0.00	32.29
SQU-DS	2025-09-13 13:15:00	11.85	143.48	-0.40	6.93	0.00	32.21
SQU-DS	2025-09-13 13:30:00	11.90	143.72	-0.40	6.93	0.00	32.06
SQU-DS	2025-09-13 13:45:00	11.97	143.93	-0.40	6.93	0.00	31.97
SQU-DS	2025-09-13 14:00:00	12.03	144.18	-0.40	6.93	0.00	31.87
SQU-DS	2025-09-13 14:15:00	12.10	144.40	-0.40	6.93	0.00	31.77
SQU-DS	2025-09-13 14:30:00	12.17	144.67	-0.40	6.93	0.00	31.69
SQU-DS	2025-09-13 14:45:00	12.22	145.02	-0.40	6.93	0.00	31.64
SQU-DS	2025-09-13 15:00:00	12.27	145.30	-0.40	6.93	0.00	31.57
SQU-DS	2025-09-13 15:15:00	12.32	145.50	-0.40	6.93	0.00	31.37
SQU-DS	2025-09-13 15:30:00	12.36	145.74	-0.40	6.93	0.00	31.35
SQU-DS	2025-09-13 15:45:00	12.38	145.87	-0.40	6.93	0.00	31.29
SQU-DS	2025-09-13 16:00:00	12.41	146.12	-0.40	6.93	0.00	31.31
SQU-DS	2025-09-13 16:15:00	12.43	146.29	-0.40	6.92	0.00	31.25
SQU-DS	2025-09-13 16:30:00	12.45	146.48	-0.40	6.92	0.00	31.24
SQU-DS	2025-09-13 16:45:00	12.47	146.70	-0.40	6.92	0.00	31.23
SQU-DS	2025-09-13 17:00:00	12.48	146.96	-0.40	6.92	0.00	31.23
SQU-DS	2025-09-13 17:15:00	12.50	147.21	-0.40	6.92	0.00	31.20

Squamish River							
Station	Date/Time	Temperature (C)	Specific Conductivity (µS/cm)	ORP (V)	pH (pH units)	Dissolved Oxygen (mg/L)	Turbidity (NTU)
SQU-DS	2025-09-13 17:30:00	12.50	147.49	-0.40	6.92	0.00	31.20
SQU-DS	2025-09-13 17:45:00	12.47	147.85	-0.40	6.92	0.00	31.19
SQU-DS	2025-09-13 18:00:00	12.44	148.15	-0.40	6.92	0.00	31.15
SQU-DS	2025-09-13 18:15:00	12.40	148.44	-0.40	6.92	0.00	31.22
SQU-DS	2025-09-13 18:30:00	12.36	148.69	-0.40	6.92	0.00	31.29
SQU-DS	2025-09-13 18:45:00	12.32	148.98	-0.40	6.92	0.00	31.31
SQU-DS	2025-09-13 19:00:00	12.29	149.25	-0.40	6.92	0.00	31.35
SQU-DS	2025-09-13 19:15:00	12.26	149.44	-0.40	6.92	0.00	31.33
SQU-DS	2025-09-13 19:30:00	12.24	149.67	-0.40	6.92	0.00	31.31
SQU-DS	2025-09-13 19:45:00	12.22	149.89	-0.41	6.92	0.00	31.36
SQU-DS	2025-09-13 20:00:00	12.21	150.09	-0.41	6.92	0.00	31.38
SQU-DS	2025-09-13 20:15:00	12.20	150.41	-0.41	6.92	0.00	31.09
SQU-DS	2025-09-13 20:30:00	12.19	150.61	-0.41	6.92	0.00	31.11
SQU-DS	2025-09-13 20:45:00	12.20	150.84	-0.41	6.92	0.00	31.09
SQU-DS	2025-09-13 21:00:00	12.21	151.06	-0.41	6.92	0.00	31.04
SQU-DS	2025-09-13 21:15:00	12.22	151.27	-0.41	6.92	0.00	30.98
SQU-DS	2025-09-13 21:30:00	12.24	151.48	-0.41	6.91	0.00	31.04
SQU-DS	2025-09-13 21:45:00	12.25	151.73	-0.41	6.91	0.00	30.95
SQU-DS	2025-09-13 22:00:00	12.27	151.99	-0.41	6.92	0.00	31.25
SQU-DS	2025-09-13 22:15:00	12.29	152.23	-0.41	6.92	0.00	30.78
SQU-DS	2025-09-13 22:30:00	12.30	152.46	-0.41	6.92	0.00	30.69
SQU-DS	2025-09-13 22:45:00	12.31	152.72	-0.41	6.92	0.00	30.64
SQU-DS	2025-09-13 23:00:00	12.31	152.96	-0.41	6.92	0.00	30.89
SQU-DS	2025-09-13 23:15:00	12.31	153.21	-0.41	6.92	0.00	30.89
SQU-DS	2025-09-13 23:30:00	12.30	153.45	-0.41	6.92	0.00	30.83
SQU-DS	2025-09-13 23:45:00	12.29	153.67	-0.41	6.92	0.00	30.75
SQU-DS	2025-09-14 00:00:00	12.27	153.91	-0.41	6.92	0.00	30.70
SQU-DS	2025-09-14 00:15:00	12.24	154.15	-0.41	6.92	0.00	30.65
SQU-DS	2025-09-14 00:30:00	12.21	154.42	-0.41	6.92	0.00	30.70
SQU-DS	2025-09-14 00:45:00	12.16	154.67	-0.41	6.92	0.00	30.76
SQU-DS	2025-09-14 01:00:00	12.11	154.93	-0.41	6.92	0.00	30.75
SQU-DS	2025-09-14 01:15:00	12.06	155.18	-0.41	6.92	0.00	30.78
SQU-DS	2025-09-14 01:30:00	12.00	155.43	-0.41	6.92	0.00	30.83
SQU-DS	2025-09-14 01:45:00	11.93	155.70	-0.41	6.92	0.00	30.89
SQU-DS	2025-09-14 02:00:00	11.87	155.93	-0.41	6.92	0.00	30.96
SQU-DS	2025-09-14 02:15:00	11.81	156.17	-0.41	6.92	0.00	30.93
SQU-DS	2025-09-14 02:30:00	11.74	156.41	-0.41	6.92	0.00	31.00
SQU-DS	2025-09-14 02:45:00	11.67	156.68	-0.41	6.92	0.00	31.01
SQU-DS	2025-09-14 03:00:00	11.60	156.87	-0.41	6.92	0.00	31.07
SQU-DS	2025-09-14 03:15:00	11.53	157.13	-0.41	6.92	0.00	31.10
SQU-DS	2025-09-14 03:30:00	11.46	157.33	-0.41	6.92	0.00	31.09
SQU-DS	2025-09-14 03:45:00	11.40	157.56	-0.41	6.92	0.00	31.14
SQU-DS	2025-09-14 04:00:00	11.33	157.83	-0.41	6.92	0.00	31.15
SQU-DS	2025-09-14 04:15:00	11.27	158.04	-0.41	6.92	0.00	31.16
SQU-DS	2025-09-14 04:30:00	11.20	158.28	-0.41	6.92	0.00	31.20
SQU-DS	2025-09-14 04:45:00	11.14	158.47	-0.41	6.92	0.00	31.19
SQU-DS	2025-09-14 05:00:00	11.08	158.68	-0.41	6.92	0.00	31.26
SQU-DS	2025-09-14 05:15:00	11.03	158.87	-0.41	6.92	0.00	31.19
SQU-DS	2025-09-14 05:30:00	10.97	159.03	-0.41	6.92	0.00	31.20
SQU-DS	2025-09-14 05:45:00	10.92	159.19	-0.41	6.92	0.00	31.20
SQU-DS	2025-09-14 06:00:00	10.88	159.41	-0.41	6.92	0.00	31.13
SQU-DS	2025-09-14 06:15:00	10.83	159.59	-0.41	6.92	0.00	31.13
SQU-DS	2025-09-14 06:30:00	10.79	159.75	-0.41	6.92	0.00	31.10
SQU-DS	2025-09-14 06:45:00	10.75	159.94	-0.41	6.92	0.00	31.07
SQU-DS	2025-09-14 07:00:00	10.73	160.14	-0.41	6.92	0.00	31.02

Squamish River							
Station	Date/Time	Temperature (C)	Specific Conductivity (µS/cm)	ORP (V)	pH (pH units)	Dissolved Oxygen (mg/L)	Turbidity (NTU)
SQU-DS	2025-09-14 07:15:00	10.69	160.31	-0.41	6.93	0.00	30.90
SQU-DS	2025-09-14 07:30:00	10.67	160.45	-0.41	6.93	0.00	30.86
SQU-DS	2025-09-14 07:45:00	10.65	160.63	-0.41	6.93	0.00	30.80
SQU-DS	2025-09-14 08:00:00	10.63	160.85	-0.41	6.93	0.00	30.66
SQU-DS	2025-09-14 08:15:00	10.62	161.01	-0.41	6.93	0.00	30.64
SQU-DS	2025-09-14 08:30:00	10.61	161.15	-0.41	6.93	0.00	30.63
SQU-DS	2025-09-14 08:45:00	10.60	161.34	-0.41	6.93	0.00	30.56
SQU-DS	2025-09-14 09:00:00	10.59	161.50	-0.41	6.93	0.00	30.52
SQU-DS	2025-09-14 09:15:00	10.59	161.69	-0.41	6.93	0.00	30.49
SQU-DS	2025-09-14 09:30:00	10.59	161.86	-0.41	6.93	0.00	30.44
SQU-DS	2025-09-14 09:45:00	10.59	162.06	-0.41	6.93	0.00	30.37
SQU-DS	2025-09-14 10:00:00	10.59	162.20	-0.41	6.93	0.00	30.34
SQU-DS	2025-09-14 10:15:00	10.60	162.36	-0.41	6.93	0.00	30.24
SQU-DS	2025-09-14 10:30:00	10.61	162.46	-0.41	6.93	0.00	30.21
SQU-DS	2025-09-14 10:45:00	10.62	162.57	-0.41	6.93	0.00	30.16
SQU-DS	2025-09-14 11:00:00	10.64	162.68	-0.41	6.93	0.00	30.12
SQU-DS	2025-09-14 11:15:00	10.66	162.81	-0.41	6.93	0.00	30.00
SQU-DS	2025-09-14 11:30:00	10.67	162.91	-0.41	6.93	0.00	29.95
SQU-DS	2025-09-14 11:45:00	10.69	162.98	-0.41	6.93	0.00	29.86
SQU-DS	2025-09-14 12:00:00	10.71	163.10	-0.41	6.93	0.00	29.84
SQU-DS	2025-09-14 12:15:00	10.73	163.19	-0.41	6.93	0.00	29.80
SQU-DS	2025-09-14 12:30:00	10.75	163.32	-0.41	6.93	0.00	29.64
SQU-DS	2025-09-14 12:45:00	10.77	163.40	-0.41	6.93	0.00	29.66
SQU-DS	2025-09-14 13:00:00	10.79	163.52	-0.41	6.93	0.00	29.55
SQU-DS	2025-09-14 13:15:00	10.80	163.72	-0.41	6.93	0.00	29.29
SQU-DS	2025-09-14 13:30:00	10.82	163.87	-0.41	6.93	0.00	29.16
SQU-DS	2025-09-14 13:45:00	10.83	164.01	-0.41	6.93	0.00	29.11
SQU-DS	2025-09-14 14:00:00	10.84	164.17	-0.41	6.93	0.00	29.01
SQU-DS	2025-09-14 14:15:00	10.85	164.30	-0.41	6.93	0.00	28.98
SQU-DS	2025-09-14 14:30:00	10.86	164.39	-0.41	6.93	0.00	28.89
SQU-DS	2025-09-14 14:45:00	10.88	166.11	-0.41	6.93	0.00	29.03
SQU-DS	2025-09-14 15:00:00	10.89	166.54	-0.41	6.93	0.00	28.68
SQU-DS	2025-09-14 15:15:00	10.90	166.77	-0.41	6.93	0.00	28.45
SQU-DS	2025-09-14 15:30:00	10.90	166.98	-0.41	6.93	0.00	28.19
SQU-DS	2025-09-14 15:45:00	10.89	167.20	-0.41	6.93	0.00	28.14
SQU-DS	2025-09-14 16:00:00	10.89	167.37	-0.41	6.93	0.00	28.11
SQU-DS	2025-09-14 16:15:00	10.91	167.51	-0.41	6.93	0.00	28.10
SQU-DS	2025-09-14 16:30:00	10.90	167.71	-0.41	6.93	0.00	28.05
SQU-DS	2025-09-14 16:45:00	10.90	167.93	-0.41	6.93	0.00	28.04
SQU-DS	2025-09-14 17:00:00	10.89	168.18	-0.41	6.93	0.00	28.00
SQU-DS	2025-09-14 17:15:00	10.89	168.39	-0.41	6.93	0.00	28.03
SQU-DS	2025-09-14 17:30:00	10.90	168.60	-0.41	6.93	0.00	27.98
SQU-DS	2025-09-14 17:45:00	10.90	168.82	-0.41	6.93	0.00	27.93
SQU-DS	2025-09-14 18:00:00	10.91	169.04	-0.41	6.93	0.00	27.87
SQU-DS	2025-09-14 18:15:00	10.92	169.26	-0.41	6.93	0.00	27.84
SQU-DS	2025-09-14 18:30:00	10.92	169.47	-0.41	6.93	0.00	27.78
SQU-DS	2025-09-14 18:45:00	10.92	169.69	-0.41	6.93	0.00	27.77
SQU-DS	2025-09-14 19:00:00	10.91	169.90	-0.41	6.93	0.00	27.73
SQU-DS	2025-09-14 19:15:00	10.90	170.05	-0.41	6.93	0.00	27.73
SQU-DS	2025-09-14 19:30:00	10.90	170.23	-0.41	6.93	0.00	27.74
SQU-DS	2025-09-14 19:45:00	10.91	170.43	-0.41	6.93	0.00	27.67
SQU-DS	2025-09-14 20:00:00	10.90	170.57	-0.41	6.93	0.00	27.54
SQU-DS	2025-09-14 20:15:00	10.90	170.79	-0.41	6.93	0.00	27.38
SQU-DS	2025-09-14 20:30:00	10.90	170.97	-0.41	6.93	0.00	27.34
SQU-DS	2025-09-14 20:45:00	10.90	171.13	-0.41	6.93	0.00	27.34

Squamish River							
Station	Date/Time	Temperature (C)	Specific Conductivity (µS/cm)	ORP (V)	pH (pH units)	Dissolved Oxygen (mg/L)	Turbidity (NTU)
SQU-DS	2025-09-14 21:00:00	10.91	171.25	-0.41	6.93	0.00	27.29
SQU-DS	2025-09-14 21:15:00	10.91	171.43	-0.41	6.93	0.00	27.31
SQU-DS	2025-09-14 21:30:00	10.92	171.59	-0.41	6.93	0.00	27.35
SQU-DS	2025-09-14 21:45:00	10.93	171.74	-0.41	6.93	0.00	27.27
SQU-DS	2025-09-14 22:00:00	10.93	171.89	-0.41	6.93	0.00	27.27
SQU-DS	2025-09-14 22:15:00	10.93	172.04	-0.41	6.93	0.00	27.24
SQU-DS	2025-09-14 22:30:00	10.93	172.22	-0.41	6.93	0.00	27.25
SQU-DS	2025-09-14 22:45:00	10.92	172.40	-0.41	6.93	0.00	27.20
SQU-DS	2025-09-14 23:00:00	10.91	172.60	-0.41	6.94	0.00	27.27
SQU-DS	2025-09-14 23:15:00	10.90	172.81	-0.41	6.94	0.00	27.26
SQU-DS	2025-09-14 23:30:00	10.88	173.02	-0.41	6.94	0.00	27.24
SQU-DS	2025-09-14 23:45:00	10.86	173.23	-0.41	6.94	0.00	27.23
SQU-US	2025-09-08 00:00:00	12.22	37.63	0.36	6.85	9.86	343.53
SQU-US	2025-09-08 00:15:00	12.19	37.18	0.36	6.85	9.89	349.25
SQU-US	2025-09-08 00:30:00	12.18	37.06	0.36	6.85	9.87	265.18
SQU-US	2025-09-08 00:45:00	12.13	36.89	0.35	6.85	9.90	293.70
SQU-US	2025-09-08 01:00:00	12.10	37.38	0.36	6.85	9.90	310.20
SQU-US	2025-09-08 01:15:00	12.05	36.34	0.35	6.87	9.92	390.31
SQU-US	2025-09-08 01:30:00	12.02	36.42	0.35	6.85	9.93	392.02
SQU-US	2025-09-08 01:45:00	11.99	36.47	0.35	6.85	9.93	354.30
SQU-US	2025-09-08 02:00:00	11.95	36.48	0.35	6.86	9.95	272.66
SQU-US	2025-09-08 02:15:00	11.92	36.29	0.36	6.85	9.97	303.41
SQU-US	2025-09-08 02:30:00	11.87	36.29	0.36	6.85	9.97	380.58
SQU-US	2025-09-08 02:45:00	11.84	36.36	0.35	6.85	9.96	333.04
SQU-US	2025-09-08 03:00:00	11.80	36.58	0.36	6.85	9.98	291.59
SQU-US	2025-09-08 03:15:00	11.76	36.49	0.35	6.85	9.99	310.90
SQU-US	2025-09-08 03:30:00	11.71	36.68	0.35	6.85	10.00	305.24
SQU-US	2025-09-08 03:45:00	11.67	36.91	0.35	6.85	10.02	312.02
SQU-US	2025-09-08 04:00:00	11.63	36.75	0.34	6.85	10.03	286.01
SQU-US	2025-09-08 04:15:00	11.59	36.75	0.35	6.86	10.03	257.72
SQU-US	2025-09-08 04:30:00	11.55	36.91	0.35	6.85	10.03	247.97
SQU-US	2025-09-08 04:45:00	11.51	37.18	0.35	6.86	10.03	295.98
SQU-US	2025-09-08 05:00:00	11.47	36.97	0.36	6.85	10.06	266.73
SQU-US	2025-09-08 05:15:00	11.43	37.07	0.35	6.86	10.07	274.97
SQU-US	2025-09-08 05:30:00	11.41	37.33	0.35	6.85	10.08	248.22
SQU-US	2025-09-08 05:45:00	11.38	37.68	0.35	6.86	10.06	236.66
SQU-US	2025-09-08 06:00:00	11.35	37.88	0.35	6.86	10.08	286.09
SQU-US	2025-09-08 06:15:00	11.34	38.17	0.35	6.85	10.07	274.35
SQU-US	2025-09-08 06:30:00	11.32	38.47	0.36	6.86	10.05	271.45
SQU-US	2025-09-08 06:45:00	11.30	38.71	0.36	6.85	10.06	235.71
SQU-US	2025-09-08 07:00:00	11.28	39.05	0.37	6.85	10.06	257.59
SQU-US	2025-09-08 07:15:00	11.28	38.99	0.35	6.86	10.04	261.80
SQU-US	2025-09-08 07:30:00	11.26	39.17	0.35	6.86	10.03	277.26
SQU-US	2025-09-08 07:45:00	11.25	39.44	0.36	6.86	10.01	252.36
SQU-US	2025-09-08 08:00:00	11.23	39.94	0.35	6.87	10.01	330.85
SQU-US	2025-09-08 08:15:00	11.21	40.39	0.35	6.86	10.05	305.48
SQU-US	2025-09-08 08:30:00	11.20	40.83	0.35	6.86	10.05	276.62
SQU-US	2025-09-08 08:45:00	11.19	41.21	0.36	6.87	10.08	278.72
SQU-US	2025-09-08 09:00:00	11.19	41.16	0.37	6.86	10.11	308.73
SQU-US	2025-09-08 09:15:00	11.20	41.53	0.35	6.86	10.10	277.47
SQU-US	2025-09-08 09:30:00	11.23	41.70	0.36	6.87	10.11	248.93
SQU-US	2025-09-08 09:45:00	11.27	42.00	0.36	6.87	10.14	283.14
SQU-US	2025-09-08 10:00:00	11.32	41.95	0.36	6.87	10.13	238.83
SQU-US	2025-09-08 10:15:00	11.38	41.58	0.36	6.87	10.11	260.65
SQU-US	2025-09-08 10:30:00	11.43	41.14	0.36	6.88	10.14	291.34

Squamish River							
Station	Date/Time	Temperature (C)	Specific Conductivity (µS/cm)	ORP (V)	pH (pH units)	Dissolved Oxygen (mg/L)	Turbidity (NTU)
SQU-US	2025-09-08 10:45:00	11.46	40.67	0.36	6.88	10.14	291.49
SQU-US	2025-09-08 11:00:00	11.49	40.24	0.37	6.88	10.16	444.81
SQU-US	2025-09-08 11:15:00	11.55	40.30	0.35	6.88	10.17	397.44
SQU-US	2025-09-08 11:30:00	11.58	40.30	0.35	6.88	10.16	328.28
SQU-US	2025-09-08 11:45:00	11.61	40.43	0.36	6.88	10.19	496.26
SQU-US	2025-09-08 12:00:00	11.69	40.88	0.35	6.89	10.19	455.15
SQU-US	2025-09-08 12:15:00	11.75	41.16	0.35	6.88	10.17	583.60
SQU-US	2025-09-08 12:30:00	11.80	41.55	0.35	6.89	10.18	634.97
SQU-US	2025-09-08 12:45:00	11.83	42.05	0.36	6.89	10.16	628.31
SQU-US	2025-09-08 13:00:00	11.83	42.63	0.36	6.89	10.14	635.16
SQU-US	2025-09-08 13:15:00	11.86	42.64	0.35	6.89	10.17	496.86
SQU-US	2025-09-08 13:30:00	11.91	43.28	0.35	6.90	10.16	567.56
SQU-US	2025-09-08 13:45:00	11.96	43.73	0.35	6.89	10.18	572.64
SQU-US	2025-09-08 14:00:00	11.99	44.11	0.34	6.89	10.16	603.51
SQU-US	2025-09-08 14:15:00	12.01	0.07	0.35	7.02	10.31	0.14
SQU-US	2025-09-08 14:30:00						
SQU-US	2025-09-08 14:45:00						
SQU-US	2025-09-08 15:00:00						
SQU-US	2025-09-08 15:15:00						
SQU-US	2025-09-08 15:30:00						
SQU-US	2025-09-08 15:45:00						
SQU-US	2025-09-08 16:00:00						
SQU-US	2025-09-08 16:15:00						
SQU-US	2025-09-08 16:30:00						
SQU-US	2025-09-08 16:45:00						
SQU-US	2025-09-08 17:00:00						
SQU-US	2025-09-08 17:15:00						
SQU-US	2025-09-08 17:30:00						
SQU-US	2025-09-08 17:45:00						
SQU-US	2025-09-08 18:00:00						
SQU-US	2025-09-08 18:15:00						
SQU-US	2025-09-08 18:30:00						
SQU-US	2025-09-08 18:45:00						
SQU-US	2025-09-08 19:00:00						
SQU-US	2025-09-08 19:15:00						
SQU-US	2025-09-08 19:30:00						
SQU-US	2025-09-08 19:45:00						
SQU-US	2025-09-08 20:00:00						
SQU-US	2025-09-08 20:15:00						
SQU-US	2025-09-08 20:30:00						
SQU-US	2025-09-08 20:45:00						
SQU-US	2025-09-08 21:00:00						
SQU-US	2025-09-08 21:15:00						
SQU-US	2025-09-08 21:30:00						
SQU-US	2025-09-08 21:45:00						
SQU-US	2025-09-08 22:00:00						
SQU-US	2025-09-08 22:15:00						
SQU-US	2025-09-08 22:30:00						
SQU-US	2025-09-08 22:45:00						
SQU-US	2025-09-08 23:00:00						
SQU-US	2025-09-08 23:15:00						
SQU-US	2025-09-08 23:30:00						
SQU-US	2025-09-08 23:45:00						
SQU-US	2025-09-09 00:00:00						
SQU-US	2025-09-09 00:15:00						

Squamish River							
Station	Date/Time	Temperature (C)	Specific Conductivity (µS/cm)	ORP (V)	pH (pH units)	Dissolved Oxygen (mg/L)	Turbidity (NTU)
SQU-US	2025-09-09 00:30:00						
SQU-US	2025-09-09 00:45:00						
SQU-US	2025-09-09 01:00:00						
SQU-US	2025-09-09 01:15:00						
SQU-US	2025-09-09 01:30:00						
SQU-US	2025-09-09 01:45:00						
SQU-US	2025-09-09 02:00:00						
SQU-US	2025-09-09 02:15:00						
SQU-US	2025-09-09 02:30:00						
SQU-US	2025-09-09 02:45:00						
SQU-US	2025-09-09 03:00:00						
SQU-US	2025-09-09 03:15:00						
SQU-US	2025-09-09 03:30:00						
SQU-US	2025-09-09 03:45:00						
SQU-US	2025-09-09 04:00:00						
SQU-US	2025-09-09 04:15:00						
SQU-US	2025-09-09 04:30:00						
SQU-US	2025-09-09 04:45:00						
SQU-US	2025-09-09 05:00:00						
SQU-US	2025-09-09 05:15:00						
SQU-US	2025-09-09 05:30:00						
SQU-US	2025-09-09 05:45:00						
SQU-US	2025-09-09 06:00:00						
SQU-US	2025-09-09 06:15:00						
SQU-US	2025-09-09 06:30:00						
SQU-US	2025-09-09 06:45:00						
SQU-US	2025-09-09 07:00:00						
SQU-US	2025-09-09 07:15:00						
SQU-US	2025-09-09 07:30:00						
SQU-US	2025-09-09 07:45:00						
SQU-US	2025-09-09 08:00:00						
SQU-US	2025-09-09 08:15:00						
SQU-US	2025-09-09 08:30:00						
SQU-US	2025-09-09 08:45:00						
SQU-US	2025-09-09 09:00:00						
SQU-US	2025-09-09 09:15:00						
SQU-US	2025-09-09 09:30:00						
SQU-US	2025-09-09 09:45:00						
SQU-US	2025-09-09 10:00:00						
SQU-US	2025-09-09 10:15:00						
SQU-US	2025-09-09 10:30:00						
SQU-US	2025-09-09 10:45:00						
SQU-US	2025-09-09 11:00:00						
SQU-US	2025-09-09 11:15:00						
SQU-US	2025-09-09 11:30:00						
SQU-US	2025-09-09 11:45:00						
SQU-US	2025-09-09 12:00:00						
SQU-US	2025-09-09 12:15:00						
SQU-US	2025-09-09 12:30:00						
SQU-US	2025-09-09 12:45:00						
SQU-US	2025-09-09 13:00:00						
SQU-US	2025-09-09 13:15:00						
SQU-US	2025-09-09 13:30:00						
SQU-US	2025-09-09 13:45:00						
SQU-US	2025-09-09 14:00:00						

Squamish River							
Station	Date/Time	Temperature (C)	Specific Conductivity (µS/cm)	ORP (V)	pH (pH units)	Dissolved Oxygen (mg/L)	Turbidity (NTU)
SQU-US	2025-09-09 14:15:00						
SQU-US	2025-09-09 14:30:00						
SQU-US	2025-09-09 14:45:00						
SQU-US	2025-09-09 15:00:00						
SQU-US	2025-09-09 15:15:00						
SQU-US	2025-09-09 15:30:00						
SQU-US	2025-09-09 15:45:00						
SQU-US	2025-09-09 16:00:00						
SQU-US	2025-09-09 16:15:00						
SQU-US	2025-09-09 16:30:00						
SQU-US	2025-09-09 16:45:00						
SQU-US	2025-09-09 17:00:00						
SQU-US	2025-09-09 17:15:00						
SQU-US	2025-09-09 17:30:00						
SQU-US	2025-09-09 17:45:00						
SQU-US	2025-09-09 18:00:00						
SQU-US	2025-09-09 18:15:00						
SQU-US	2025-09-09 18:30:00						
SQU-US	2025-09-09 18:45:00						
SQU-US	2025-09-09 19:00:00						
SQU-US	2025-09-09 19:15:00						
SQU-US	2025-09-09 19:30:00						
SQU-US	2025-09-09 19:45:00						
SQU-US	2025-09-09 20:00:00						
SQU-US	2025-09-09 20:15:00						
SQU-US	2025-09-09 20:30:00						
SQU-US	2025-09-09 20:45:00						
SQU-US	2025-09-09 21:00:00						
SQU-US	2025-09-09 21:15:00						
SQU-US	2025-09-09 21:30:00						
SQU-US	2025-09-09 21:45:00						
SQU-US	2025-09-09 22:00:00						
SQU-US	2025-09-09 22:15:00						
SQU-US	2025-09-09 22:30:00						
SQU-US	2025-09-09 22:45:00						
SQU-US	2025-09-09 23:00:00						
SQU-US	2025-09-09 23:15:00						
SQU-US	2025-09-09 23:30:00						
SQU-US	2025-09-09 23:45:00						
SQU-US	2025-09-10 00:00:00						
SQU-US	2025-09-10 00:15:00						
SQU-US	2025-09-10 00:30:00						
SQU-US	2025-09-10 00:45:00						
SQU-US	2025-09-10 01:00:00						
SQU-US	2025-09-10 01:15:00						
SQU-US	2025-09-10 01:30:00						
SQU-US	2025-09-10 01:45:00						
SQU-US	2025-09-10 02:00:00						
SQU-US	2025-09-10 02:15:00						
SQU-US	2025-09-10 02:30:00						
SQU-US	2025-09-10 02:45:00						
SQU-US	2025-09-10 03:00:00						
SQU-US	2025-09-10 03:15:00						
SQU-US	2025-09-10 03:30:00						
SQU-US	2025-09-10 03:45:00						

Squamish River							
Station	Date/Time	Temperature (C)	Specific Conductivity (µS/cm)	ORP (V)	pH (pH units)	Dissolved Oxygen (mg/L)	Turbidity (NTU)
SQU-US	2025-09-10 04:00:00						
SQU-US	2025-09-10 04:15:00						
SQU-US	2025-09-10 04:30:00						
SQU-US	2025-09-10 04:45:00						
SQU-US	2025-09-10 05:00:00						
SQU-US	2025-09-10 05:15:00						
SQU-US	2025-09-10 05:30:00						
SQU-US	2025-09-10 05:45:00						
SQU-US	2025-09-10 06:00:00						
SQU-US	2025-09-10 06:15:00						
SQU-US	2025-09-10 06:30:00						
SQU-US	2025-09-10 06:45:00						
SQU-US	2025-09-10 07:00:00						
SQU-US	2025-09-10 07:15:00						
SQU-US	2025-09-10 07:30:00						
SQU-US	2025-09-10 07:45:00						
SQU-US	2025-09-10 08:00:00						
SQU-US	2025-09-10 08:15:00						
SQU-US	2025-09-10 08:30:00						
SQU-US	2025-09-10 08:45:00						
SQU-US	2025-09-10 09:00:00						
SQU-US	2025-09-10 09:15:00						
SQU-US	2025-09-10 09:30:00						
SQU-US	2025-09-10 09:45:00						
SQU-US	2025-09-10 10:00:00						
SQU-US	2025-09-10 10:15:00						
SQU-US	2025-09-10 10:30:00						
SQU-US	2025-09-10 10:45:00						
SQU-US	2025-09-10 11:00:00						
SQU-US	2025-09-10 11:15:00						
SQU-US	2025-09-10 11:30:00						
SQU-US	2025-09-10 11:45:00						
SQU-US	2025-09-10 12:00:00						
SQU-US	2025-09-10 12:15:00						
SQU-US	2025-09-10 12:30:00						
SQU-US	2025-09-10 12:45:00						
SQU-US	2025-09-10 13:00:00						
SQU-US	2025-09-10 13:15:00						
SQU-US	2025-09-10 13:30:00						
SQU-US	2025-09-10 13:45:00						
SQU-US	2025-09-10 14:00:00						
SQU-US	2025-09-10 14:15:00						
SQU-US	2025-09-10 14:30:00						
SQU-US	2025-09-10 14:45:00						
SQU-US	2025-09-10 15:00:00						
SQU-US	2025-09-10 15:15:00						
SQU-US	2025-09-10 15:30:00						
SQU-US	2025-09-10 15:45:00						
SQU-US	2025-09-10 16:00:00						
SQU-US	2025-09-10 16:15:00						
SQU-US	2025-09-10 16:30:00						
SQU-US	2025-09-10 16:45:00						
SQU-US	2025-09-10 17:00:00						
SQU-US	2025-09-10 17:15:00						
SQU-US	2025-09-10 17:30:00						

Squamish River							
Station	Date/Time	Temperature (C)	Specific Conductivity (µS/cm)	ORP (V)	pH (pH units)	Dissolved Oxygen (mg/L)	Turbidity (NTU)
SQU-US	2025-09-10 17:45:00						
SQU-US	2025-09-10 18:00:00						
SQU-US	2025-09-10 18:15:00						
SQU-US	2025-09-10 18:30:00						
SQU-US	2025-09-10 18:45:00						
SQU-US	2025-09-10 19:00:00						
SQU-US	2025-09-10 19:15:00						
SQU-US	2025-09-10 19:30:00						
SQU-US	2025-09-10 19:45:00						
SQU-US	2025-09-10 20:00:00						
SQU-US	2025-09-10 20:15:00						
SQU-US	2025-09-10 20:30:00						
SQU-US	2025-09-10 20:45:00						
SQU-US	2025-09-10 21:00:00						
SQU-US	2025-09-10 21:15:00						
SQU-US	2025-09-10 21:30:00						
SQU-US	2025-09-10 21:45:00						
SQU-US	2025-09-10 22:00:00						
SQU-US	2025-09-10 22:15:00						
SQU-US	2025-09-10 22:30:00						
SQU-US	2025-09-10 22:45:00						
SQU-US	2025-09-10 23:00:00						
SQU-US	2025-09-10 23:15:00						
SQU-US	2025-09-10 23:30:00						
SQU-US	2025-09-10 23:45:00						
SQU-US	2025-09-11 00:00:00						
SQU-US	2025-09-11 00:15:00						
SQU-US	2025-09-11 00:30:00						
SQU-US	2025-09-11 00:45:00						
SQU-US	2025-09-11 01:00:00						
SQU-US	2025-09-11 01:15:00						
SQU-US	2025-09-11 01:30:00						
SQU-US	2025-09-11 01:45:00						
SQU-US	2025-09-11 02:00:00						
SQU-US	2025-09-11 02:15:00						
SQU-US	2025-09-11 02:30:00						
SQU-US	2025-09-11 02:45:00						
SQU-US	2025-09-11 03:00:00						
SQU-US	2025-09-11 03:15:00						
SQU-US	2025-09-11 03:30:00						
SQU-US	2025-09-11 03:45:00						
SQU-US	2025-09-11 04:00:00						
SQU-US	2025-09-11 04:15:00						
SQU-US	2025-09-11 04:30:00						
SQU-US	2025-09-11 04:45:00						
SQU-US	2025-09-11 05:00:00						
SQU-US	2025-09-11 05:15:00						
SQU-US	2025-09-11 05:30:00						
SQU-US	2025-09-11 05:45:00						
SQU-US	2025-09-11 06:00:00						
SQU-US	2025-09-11 06:15:00						
SQU-US	2025-09-11 06:30:00						
SQU-US	2025-09-11 06:45:00						
SQU-US	2025-09-11 07:00:00						
SQU-US	2025-09-11 07:15:00						

Squamish River							
Station	Date/Time	Temperature (C)	Specific Conductivity (µS/cm)	ORP (V)	pH (pH units)	Dissolved Oxygen (mg/L)	Turbidity (NTU)
SQU-US	2025-09-11 07:30:00						
SQU-US	2025-09-11 07:45:00						
SQU-US	2025-09-11 08:00:00						
SQU-US	2025-09-11 08:15:00						
SQU-US	2025-09-11 08:30:00						
SQU-US	2025-09-11 08:45:00						
SQU-US	2025-09-11 09:00:00						
SQU-US	2025-09-11 09:15:00						
SQU-US	2025-09-11 09:30:00						
SQU-US	2025-09-11 09:45:00						
SQU-US	2025-09-11 10:00:00						
SQU-US	2025-09-11 10:15:00						
SQU-US	2025-09-11 10:30:00						
SQU-US	2025-09-11 10:45:00						
SQU-US	2025-09-11 11:00:00						
SQU-US	2025-09-11 11:15:00						
SQU-US	2025-09-11 11:30:00						
SQU-US	2025-09-11 11:45:00						
SQU-US	2025-09-11 12:00:00						
SQU-US	2025-09-11 12:15:00						
SQU-US	2025-09-11 12:30:00						
SQU-US	2025-09-11 12:45:00						
SQU-US	2025-09-11 13:00:00						
SQU-US	2025-09-11 13:15:00						
SQU-US	2025-09-11 13:30:00						
SQU-US	2025-09-11 13:45:00						
SQU-US	2025-09-11 14:00:00						
SQU-US	2025-09-11 14:15:00						
SQU-US	2025-09-11 14:30:00						
SQU-US	2025-09-11 14:45:00						
SQU-US	2025-09-11 15:00:00						
SQU-US	2025-09-11 15:15:00						
SQU-US	2025-09-11 15:30:00						
SQU-US	2025-09-11 15:45:00						
SQU-US	2025-09-11 16:00:00						
SQU-US	2025-09-11 16:15:00						
SQU-US	2025-09-11 16:30:00						
SQU-US	2025-09-11 16:45:00						
SQU-US	2025-09-11 17:00:00						
SQU-US	2025-09-11 17:15:00						
SQU-US	2025-09-11 17:30:00						
SQU-US	2025-09-11 17:45:00						
SQU-US	2025-09-11 18:00:00						
SQU-US	2025-09-11 18:15:00						
SQU-US	2025-09-11 18:30:00						
SQU-US	2025-09-11 18:45:00						
SQU-US	2025-09-11 19:00:00						
SQU-US	2025-09-11 19:15:00						
SQU-US	2025-09-11 19:30:00						
SQU-US	2025-09-11 19:45:00						
SQU-US	2025-09-11 20:00:00						
SQU-US	2025-09-11 20:15:00						
SQU-US	2025-09-11 20:30:00						
SQU-US	2025-09-11 20:45:00						
SQU-US	2025-09-11 21:00:00						

Squamish River							
Station	Date/Time	Temperature (C)	Specific Conductivity (µS/cm)	ORP (V)	pH (pH units)	Dissolved Oxygen (mg/L)	Turbidity (NTU)
SQU-US	2025-09-11 21:15:00						
SQU-US	2025-09-11 21:30:00						
SQU-US	2025-09-11 21:45:00						
SQU-US	2025-09-11 22:00:00						
SQU-US	2025-09-11 22:15:00						
SQU-US	2025-09-11 22:30:00						
SQU-US	2025-09-11 22:45:00						
SQU-US	2025-09-11 23:00:00						
SQU-US	2025-09-11 23:15:00						
SQU-US	2025-09-11 23:30:00						
SQU-US	2025-09-11 23:45:00						
SQU-US	2025-09-12 00:00:00						
SQU-US	2025-09-12 00:15:00						
SQU-US	2025-09-12 00:30:00						
SQU-US	2025-09-12 00:45:00						
SQU-US	2025-09-12 01:00:00						
SQU-US	2025-09-12 01:15:00						
SQU-US	2025-09-12 01:30:00						
SQU-US	2025-09-12 01:45:00						
SQU-US	2025-09-12 02:00:00						
SQU-US	2025-09-12 02:15:00						
SQU-US	2025-09-12 02:30:00						
SQU-US	2025-09-12 02:45:00						
SQU-US	2025-09-12 03:00:00						
SQU-US	2025-09-12 03:15:00						
SQU-US	2025-09-12 03:30:00						
SQU-US	2025-09-12 03:45:00						
SQU-US	2025-09-12 04:00:00						
SQU-US	2025-09-12 04:15:00						
SQU-US	2025-09-12 04:30:00						
SQU-US	2025-09-12 04:45:00						
SQU-US	2025-09-12 05:00:00						
SQU-US	2025-09-12 05:15:00						
SQU-US	2025-09-12 05:30:00						
SQU-US	2025-09-12 05:45:00						
SQU-US	2025-09-12 06:00:00						
SQU-US	2025-09-12 06:15:00						
SQU-US	2025-09-12 06:30:00						
SQU-US	2025-09-12 06:45:00						
SQU-US	2025-09-12 07:00:00						
SQU-US	2025-09-12 07:15:00						
SQU-US	2025-09-12 07:30:00						
SQU-US	2025-09-12 07:45:00						
SQU-US	2025-09-12 08:00:00						
SQU-US	2025-09-12 08:15:00						
SQU-US	2025-09-12 08:30:00						
SQU-US	2025-09-12 08:45:00						
SQU-US	2025-09-12 09:00:00						
SQU-US	2025-09-12 09:15:00						
SQU-US	2025-09-12 09:30:00						
SQU-US	2025-09-12 09:45:00						
SQU-US	2025-09-12 10:00:00						
SQU-US	2025-09-12 10:15:00						
SQU-US	2025-09-12 10:30:00						
SQU-US	2025-09-12 10:45:00						

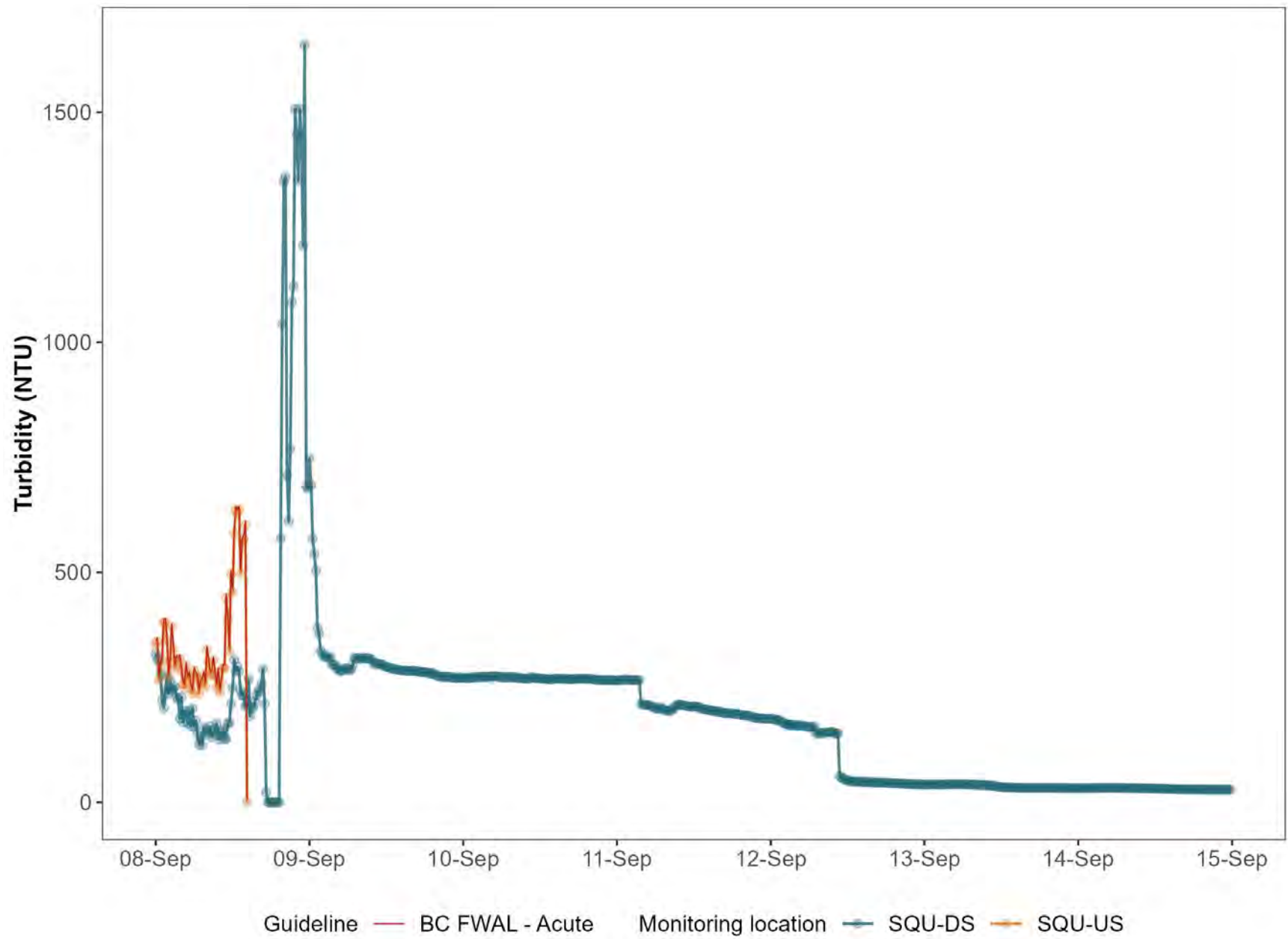
Squamish River							
Station	Date/Time	Temperature (C)	Specific Conductivity (µS/cm)	ORP (V)	pH (pH units)	Dissolved Oxygen (mg/L)	Turbidity (NTU)
SQU-US	2025-09-12 11:00:00						
SQU-US	2025-09-12 11:15:00						
SQU-US	2025-09-12 11:30:00						
SQU-US	2025-09-12 11:45:00						
SQU-US	2025-09-12 12:00:00						
SQU-US	2025-09-12 12:15:00						
SQU-US	2025-09-12 12:30:00						
SQU-US	2025-09-12 12:45:00						
SQU-US	2025-09-12 13:00:00						
SQU-US	2025-09-12 13:15:00						
SQU-US	2025-09-12 13:30:00						
SQU-US	2025-09-12 13:45:00						
SQU-US	2025-09-12 14:00:00						
SQU-US	2025-09-12 14:15:00						
SQU-US	2025-09-12 14:30:00						
SQU-US	2025-09-12 14:45:00						
SQU-US	2025-09-12 15:00:00						
SQU-US	2025-09-12 15:15:00						
SQU-US	2025-09-12 15:30:00						
SQU-US	2025-09-12 15:45:00						
SQU-US	2025-09-12 16:00:00						
SQU-US	2025-09-12 16:15:00						
SQU-US	2025-09-12 16:30:00						
SQU-US	2025-09-12 16:45:00						
SQU-US	2025-09-12 17:00:00						
SQU-US	2025-09-12 17:15:00						
SQU-US	2025-09-12 17:30:00						
SQU-US	2025-09-12 17:45:00						
SQU-US	2025-09-12 18:00:00						
SQU-US	2025-09-12 18:15:00						
SQU-US	2025-09-12 18:30:00						
SQU-US	2025-09-12 18:45:00						
SQU-US	2025-09-12 19:00:00						
SQU-US	2025-09-12 19:15:00						
SQU-US	2025-09-12 19:30:00						
SQU-US	2025-09-12 19:45:00						
SQU-US	2025-09-12 20:00:00						
SQU-US	2025-09-12 20:15:00						
SQU-US	2025-09-12 20:30:00						
SQU-US	2025-09-12 20:45:00						
SQU-US	2025-09-12 21:00:00						
SQU-US	2025-09-12 21:15:00						
SQU-US	2025-09-12 21:30:00						
SQU-US	2025-09-12 21:45:00						
SQU-US	2025-09-12 22:00:00						
SQU-US	2025-09-12 22:15:00						
SQU-US	2025-09-12 22:30:00						
SQU-US	2025-09-12 22:45:00						
SQU-US	2025-09-12 23:00:00						
SQU-US	2025-09-12 23:15:00						
SQU-US	2025-09-12 23:30:00						
SQU-US	2025-09-12 23:45:00						
SQU-US	2025-09-13 00:00:00						
SQU-US	2025-09-13 00:15:00						
SQU-US	2025-09-13 00:30:00						

Squamish River							
Station	Date/Time	Temperature (C)	Specific Conductivity (µS/cm)	ORP (V)	pH (pH units)	Dissolved Oxygen (mg/L)	Turbidity (NTU)
SQU-US	2025-09-13 00:45:00						
SQU-US	2025-09-13 01:00:00						
SQU-US	2025-09-13 01:15:00						
SQU-US	2025-09-13 01:30:00						
SQU-US	2025-09-13 01:45:00						
SQU-US	2025-09-13 02:00:00						
SQU-US	2025-09-13 02:15:00						
SQU-US	2025-09-13 02:30:00						
SQU-US	2025-09-13 02:45:00						
SQU-US	2025-09-13 03:00:00						
SQU-US	2025-09-13 03:15:00						
SQU-US	2025-09-13 03:30:00						
SQU-US	2025-09-13 03:45:00						
SQU-US	2025-09-13 04:00:00						
SQU-US	2025-09-13 04:15:00						
SQU-US	2025-09-13 04:30:00						
SQU-US	2025-09-13 04:45:00						
SQU-US	2025-09-13 05:00:00						
SQU-US	2025-09-13 05:15:00						
SQU-US	2025-09-13 05:30:00						
SQU-US	2025-09-13 05:45:00						
SQU-US	2025-09-13 06:00:00						
SQU-US	2025-09-13 06:15:00						
SQU-US	2025-09-13 06:30:00						
SQU-US	2025-09-13 06:45:00						
SQU-US	2025-09-13 07:00:00						
SQU-US	2025-09-13 07:15:00						
SQU-US	2025-09-13 07:30:00						
SQU-US	2025-09-13 07:45:00						
SQU-US	2025-09-13 08:00:00						
SQU-US	2025-09-13 08:15:00						
SQU-US	2025-09-13 08:30:00						
SQU-US	2025-09-13 08:45:00						
SQU-US	2025-09-13 09:00:00						
SQU-US	2025-09-13 09:15:00						
SQU-US	2025-09-13 09:30:00						
SQU-US	2025-09-13 09:45:00						
SQU-US	2025-09-13 10:00:00						
SQU-US	2025-09-13 10:15:00						
SQU-US	2025-09-13 10:30:00						
SQU-US	2025-09-13 10:45:00						
SQU-US	2025-09-13 11:00:00						
SQU-US	2025-09-13 11:15:00						
SQU-US	2025-09-13 11:30:00						
SQU-US	2025-09-13 11:45:00						
SQU-US	2025-09-13 12:00:00						
SQU-US	2025-09-13 12:15:00						
SQU-US	2025-09-13 12:30:00						
SQU-US	2025-09-13 12:45:00						
SQU-US	2025-09-13 13:00:00						
SQU-US	2025-09-13 13:15:00						
SQU-US	2025-09-13 13:30:00						
SQU-US	2025-09-13 13:45:00						
SQU-US	2025-09-13 14:00:00						
SQU-US	2025-09-13 14:15:00						

Squamish River							
Station	Date/Time	Temperature (C)	Specific Conductivity (µS/cm)	ORP (V)	pH (pH units)	Dissolved Oxygen (mg/L)	Turbidity (NTU)
SQU-US	2025-09-13 14:30:00						
SQU-US	2025-09-13 14:45:00						
SQU-US	2025-09-13 15:00:00						
SQU-US	2025-09-13 15:15:00						
SQU-US	2025-09-13 15:30:00						
SQU-US	2025-09-13 15:45:00						
SQU-US	2025-09-13 16:00:00						
SQU-US	2025-09-13 16:15:00						
SQU-US	2025-09-13 16:30:00						
SQU-US	2025-09-13 16:45:00						
SQU-US	2025-09-13 17:00:00						
SQU-US	2025-09-13 17:15:00						
SQU-US	2025-09-13 17:30:00						
SQU-US	2025-09-13 17:45:00						
SQU-US	2025-09-13 18:00:00						
SQU-US	2025-09-13 18:15:00						
SQU-US	2025-09-13 18:30:00						
SQU-US	2025-09-13 18:45:00						
SQU-US	2025-09-13 19:00:00						
SQU-US	2025-09-13 19:15:00						
SQU-US	2025-09-13 19:30:00						
SQU-US	2025-09-13 19:45:00						
SQU-US	2025-09-13 20:00:00						
SQU-US	2025-09-13 20:15:00						
SQU-US	2025-09-13 20:30:00						
SQU-US	2025-09-13 20:45:00						
SQU-US	2025-09-13 21:00:00						
SQU-US	2025-09-13 21:15:00						
SQU-US	2025-09-13 21:30:00						
SQU-US	2025-09-13 21:45:00						
SQU-US	2025-09-13 22:00:00						
SQU-US	2025-09-13 22:15:00						
SQU-US	2025-09-13 22:30:00						
SQU-US	2025-09-13 22:45:00						
SQU-US	2025-09-13 23:00:00						
SQU-US	2025-09-13 23:15:00						
SQU-US	2025-09-13 23:30:00						
SQU-US	2025-09-13 23:45:00						
SQU-US	2025-09-14 00:00:00						
SQU-US	2025-09-14 00:15:00						
SQU-US	2025-09-14 00:30:00						
SQU-US	2025-09-14 00:45:00						
SQU-US	2025-09-14 01:00:00						
SQU-US	2025-09-14 01:15:00						
SQU-US	2025-09-14 01:30:00						
SQU-US	2025-09-14 01:45:00						
SQU-US	2025-09-14 02:00:00						
SQU-US	2025-09-14 02:15:00						
SQU-US	2025-09-14 02:30:00						
SQU-US	2025-09-14 02:45:00						
SQU-US	2025-09-14 03:00:00						
SQU-US	2025-09-14 03:15:00						
SQU-US	2025-09-14 03:30:00						
SQU-US	2025-09-14 03:45:00						
SQU-US	2025-09-14 04:00:00						

Squamish River							
Station	Date/Time	Temperature (C)	Specific Conductivity (µS/cm)	ORP (V)	pH (pH units)	Dissolved Oxygen (mg/L)	Turbidity (NTU)
SQU-US	2025-09-14 04:15:00						
SQU-US	2025-09-14 04:30:00						
SQU-US	2025-09-14 04:45:00						
SQU-US	2025-09-14 05:00:00						
SQU-US	2025-09-14 05:15:00						
SQU-US	2025-09-14 05:30:00						
SQU-US	2025-09-14 05:45:00						
SQU-US	2025-09-14 06:00:00						
SQU-US	2025-09-14 06:15:00						
SQU-US	2025-09-14 06:30:00						
SQU-US	2025-09-14 06:45:00						
SQU-US	2025-09-14 07:00:00						
SQU-US	2025-09-14 07:15:00						
SQU-US	2025-09-14 07:30:00						
SQU-US	2025-09-14 07:45:00						
SQU-US	2025-09-14 08:00:00						
SQU-US	2025-09-14 08:15:00						
SQU-US	2025-09-14 08:30:00						
SQU-US	2025-09-14 08:45:00						
SQU-US	2025-09-14 09:00:00						
SQU-US	2025-09-14 09:15:00						
SQU-US	2025-09-14 09:30:00						
SQU-US	2025-09-14 09:45:00						
SQU-US	2025-09-14 10:00:00						
SQU-US	2025-09-14 10:15:00						
SQU-US	2025-09-14 10:30:00						
SQU-US	2025-09-14 10:45:00						
SQU-US	2025-09-14 11:00:00						
SQU-US	2025-09-14 11:15:00						
SQU-US	2025-09-14 11:30:00						
SQU-US	2025-09-14 11:45:00						
SQU-US	2025-09-14 12:00:00						
SQU-US	2025-09-14 12:15:00						
SQU-US	2025-09-14 12:30:00						
SQU-US	2025-09-14 12:45:00						
SQU-US	2025-09-14 13:00:00						
SQU-US	2025-09-14 13:15:00						
SQU-US	2025-09-14 13:30:00						
SQU-US	2025-09-14 13:45:00						
SQU-US	2025-09-14 14:00:00						
SQU-US	2025-09-14 14:15:00						
SQU-US	2025-09-14 14:30:00						
SQU-US	2025-09-14 14:45:00						
SQU-US	2025-09-14 15:00:00						
SQU-US	2025-09-14 15:15:00						
SQU-US	2025-09-14 15:30:00						
SQU-US	2025-09-14 15:45:00						
SQU-US	2025-09-14 16:00:00						
SQU-US	2025-09-14 16:15:00						
SQU-US	2025-09-14 16:30:00						
SQU-US	2025-09-14 16:45:00						
SQU-US	2025-09-14 17:00:00						
SQU-US	2025-09-14 17:15:00						
SQU-US	2025-09-14 17:30:00						
SQU-US	2025-09-14 17:45:00						

Squamish River							
Station	Date/Time	Temperature (C)	Specific Conductivity (µS/cm)	ORP (V)	pH (pH units)	Dissolved Oxygen (mg/L)	Turbidity (NTU)
SQU-US	2025-09-14 18:00:00						
SQU-US	2025-09-14 18:15:00						
SQU-US	2025-09-14 18:30:00						
SQU-US	2025-09-14 18:45:00						
SQU-US	2025-09-14 19:00:00						
SQU-US	2025-09-14 19:15:00						
SQU-US	2025-09-14 19:30:00						
SQU-US	2025-09-14 19:45:00						
SQU-US	2025-09-14 20:00:00						
SQU-US	2025-09-14 20:15:00						
SQU-US	2025-09-14 20:30:00						
SQU-US	2025-09-14 20:45:00						
SQU-US	2025-09-14 21:00:00						
SQU-US	2025-09-14 21:15:00						
SQU-US	2025-09-14 21:30:00						
SQU-US	2025-09-14 21:45:00						
SQU-US	2025-09-14 22:00:00						
SQU-US	2025-09-14 22:15:00						
SQU-US	2025-09-14 22:30:00						
SQU-US	2025-09-14 22:45:00						
SQU-US	2025-09-14 23:00:00						
SQU-US	2025-09-14 23:15:00						
SQU-US	2025-09-14 23:30:00						
SQU-US	2025-09-14 23:45:00						



Water Quality Field Data Sheet



Project: FORTIS11234

Location Information

Site ID:	<u>SQU_DS</u>		Date:	<u>September 9, 2025</u>
Site Name:	<u>Squamish River</u>		Time:	<u>13:45</u>
Site UTM:	Zone:	E: <u></u>	Crew:	<u>AF</u>
(NAD83)		N: <u></u>	Weather:	<u>Clear</u>

In Situ Parameters

pH:	<u>6.58</u>	DO:	<u>10.13</u> (mg/L)
Temp.:	<u>14.9</u> (°C)	Cond:	<u>29.4</u> (us)
Turbidity:	<u>84.64</u> NTU		
Visible Sheen:	<u>N</u>		
Water Surface Condition:	<u>Turbid</u>		

Photo Record

Photo



Observations

Low flow, very turbid. Salmon activity observed.

Water Quality Field Data Sheet



Project: FORTIS11234

Location Information

Site ID:	<u>SQU US</u>	Date:	<u>September 9, 2025</u>
Site Name:	<u>Squamish River</u>	Time:	<u>14:15</u>
Site UTM:	Zone: <u>E:</u>	Crew:	<u>AF</u>
(NAD83)	N: <u></u>	Weather:	<u>Clear</u>

In Situ Parameters

pH:	<u>6.75</u>	DO:	<u>9.88</u> (mg/L)
Temp.:	<u>13.7</u> (°C)	Cond:	<u>33.6</u> (us)
Turbidity:	<u>89.73</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 8 th to Sept 14 th , 2025
	Report #	77
	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 8 th to Sept 14 th , 2025
	Report #	77
	Appendix C	C-2

Woodfibre Site Sample Analysis

Analyte	Unit	BC Approved Water Quality Guideline - Freshwater Aquatic Life Long Term Average (Non-reportable)	BC Approved Water Quality Guideline - Freshwater Aquatic Life - Short Term Max (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 2025-09-09 09:15:00
In situ Parameters								
Field pH	pH Units		6.5 - 9		7-8.7			7.48
Field Temperature	°C	18	19					11.9
General Parameters								
pH	pH Units							7.75
Alkalinity (Total as CaCO ₃)	mg/L							53
Alkalinity (PP as CaCO ₃)	mg/L							<1
Hardness (CaCO ₃)-Total	mg/L							65.1
Hardness (CaCO ₃)-Dissolved	mg/L							64.8
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	1.82	12.5		7.8		52	<0.015
Bicarbonate (HCO ₃)	mg/L							65
Carbonate (CO ₃)	mg/L							<1
Hydroxide (OH)	mg/L							<1
Nitrate (N)	mg/L	3	32.8		3.7			<0.02
Nitrite (N)	mg/L	0.1	0.6					<0.005
Nitrate plus Nitrite (N)	mg/L							<0.02
Nitrogen (N)-Total	mg/L							0.226
Phosphorus (P)-Total (4500-P)	mg/L							0.0036
Bromide (Br)	mg/L							<0.01
Chloride (Cl)	mg/L	150	600					10
Fluoride (F)	mg/L		1.162			1.5		0.23
Sulphate (SO ₄)-Dissolved	mg/L	218						12

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 (Non-reportable)	BC Approved Water Quality Guideline - Freshwater Aquatic Life - Short Term Max (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 2025-09-09 09:15:00
Total Metals								
Aluminum (Al)-Total	mg/L	0.098425						0.148
Antimony (Sb)-Total	mg/L	0.074	0.25					0.000164
Arsenic (As)-Total	mg/L	0.005			0.0125			0.00135
Barium (Ba)-Total	mg/L			1				0.00767
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			0.015
Cadmium (Cd)-Total	mg/L						0.00012	<0.000005
Calcium (Ca)-Total	mg/L							24.2
Cesium (Cs)-Total	mg/L							0.000067
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							0.0000793
Copper (Cu)-Total	mg/L				0.002	0.003		0.000513
Iron (Fe)-Total	mg/L		1					0.022
Lead (Pb)-Total	mg/L				0.002	0.14		0.0000768
Lithium (Li)-Total	mg/L							0.00301
Magnesium (Mg)-Total	mg/L							1.14
Manganese (Mn)-Total	mg/L	0.891	1.257				0.1	0.0429
Mercury (Hg)-Total	mg/L	0.00002			0.00002			<0.0000019
Molybdenum (Mo)-Total	mg/L	7.6	46					0.0342
Nickel (Ni)-Total	mg/L						0.0083	0.000256
Phosphorus (P)-Total (ICPMS)	mg/L							<0.002
Potassium (K)-Total	mg/L							1.02
Rubidium (Rb)-Total	mg/L							0.00221
Selenium (Se)-Total	mg/L	0.002			0.002			<0.00004
Silicon (Si)-Total	mg/L							6.88
Silver (Ag)-Total	mg/L	0.00012			0.0005	0.0037	0.0005	<0.000005
Sodium (Na)-Total	mg/L							6.02
Strontium (Sr)-Total	mg/L							0.0568
Sulphur (S)-Total	mg/L							3.8
Tellurium (Te)-Total	mg/L							<0.00002
Thallium (Tl)-Total	mg/L			0.00003				0.0000067
Thorium (Th)-Total	mg/L							<0.00005
Tin (Sn)-Total	mg/L							<0.0002
Titanium (Ti)-Total	mg/L							<0.0005
Uranium (U)-Total	mg/L		0.0165	0.0075				0.000843
Vanadium (V)-Total	mg/L			0.06			0.005	<0.0002
Zinc (Zn)-Total	mg/L				0.01	0.055		0.00172
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 Long Term Average (Non-reportable)	BC Approved Water Quality Guideline - Freshwater Aquatic Life - Short Term Max (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 2025-09-09 09:15:00
Dissolved Metals								
Aluminum (Al)-Dissolved	mg/L							0.056
Antimony (Sb)-Dissolved	mg/L							0.000181
Arsenic (As)-Dissolved	mg/L							0.00131
Barium (Ba)-Dissolved	mg/L							0.00709
Beryllium (Be)-Dissolved	mg/L							<0.00001
Bismuth (Bi)-Dissolved	mg/L							<0.000005
Boron (B)-Dissolved	mg/L							<0.01
Cadmium (Cd)-Dissolved	mg/L	0.000154	0.000378					0.0000109
Calcium (Ca)-Dissolved	mg/L							24.1
Cesium (Cs)-Dissolved	mg/L							0.000051
Chromium (Cr)-Dissolved	mg/L							<0.0001
Cobalt (Co)-Dissolved	mg/L	0.000427						0.0000704
Copper (Cu)-Dissolved	mg/L	0.00027	0.00162					0.000266
Iron (Fe)-Dissolved	mg/L		0.35					<0.001
Lead (Pb)-Dissolved	mg/L	0.002074						0.0000101
Lithium (Li)-Dissolved	mg/L							0.00256
Manganese (Mn)-Dissolved	mg/L							0.0422
Magnesium (Mg)-Dissolved	mg/L							1.15
Mercury (Hg)-Dissolved	mg/L							<0.0000019
Molybdenum (Mo)-Dissolved	mg/L							0.0324
Nickel (Ni)-Dissolved	mg/L	0.0013	0.0218					0.000235
Phosphorus (P)-Dissolved	mg/L							0.0023
Potassium (K)-Dissolved	mg/L							0.979
Rubidium (Rb)-Dissolved	mg/L							0.00211
Selenium (Se)-Dissolved	mg/L							0.000043
Silicon (Si)-Dissolved	mg/L							6.79
Silver (Ag)-Dissolved	mg/L							<0.000005
Sodium (Na)-Dissolved	mg/L							5.99
Strontium (Sr)-Dissolved	mg/L			1.25				0.0536
Sulphur (S)-Dissolved	mg/L							4.5
Tellurium (Te)-Dissolved	mg/L							<0.00002
Thallium (Tl)-Dissolved	mg/L							0.0000062
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							0.000705
Vanadium (V)-Dissolved	mg/L							<0.0002
Zinc (Zn)-Dissolved	mg/L	0.006442	0.02865					0.00149
Zirconium (Zr)-Dissolved	mg/L							<0.0001
Inorganics								
Organic Carbon (C)-Total	mg/L							1.5
Organic Carbon (C)-Dissolved	mg/L							1.2
Solids-Total Dissolved	mg/L							100
Solids-Total Suspended	mg/L	8.2	28.2					2.4

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 holding 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 (Non-reportable)	BC Approved Water Quality Guideline - Freshwater Aquatic Life Short Term Max (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 2025-09-09 09:15:00
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
1,2,3-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 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 (Non-reportable)	BC Approved Water Quality Guideline - Freshwater Aquatic Life - Short Term Max (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 2025-09-09 09:15:00
Organics (cont'd.)								
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				0.0014
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
Rainbow Trout								
LC50	% vol/vol							>100%

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 8 th to Sept 14 th , 2025
	Report #	77
	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 08, 2025 to September 14, 2025	Prepared by: Approved by: Date:	SD BC2 September 19, 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 08 was 575,147 m³.

Daily Volume Summary:

Table 1: Discharge Volumes Daily Summary

Date	Location	Volume (m3)	Comments
September 08	Woodfibre (WF)	2,994	Exceeded discharge volume limit
September 09	WF	2,626	Exceeded discharge volume limit
September 10	WF	2,321	Exceeded discharge volume limit
September 11	WF	2,562	Exceeded discharge volume limit
September 12	WF	2,345	Exceeded discharge volume limit
September 13	WF	2,320	Exceeded discharge volume limit
September 14	WF	2,603	Exceeded discharge volume limit
Total		17,771	None

		Eagle Mountain- Woodfibre Gas Pipeline Project- Tunnel Scope	
Title	WoodFibre Weekly Water Discharge Report	Revision:	0
Data Date Range	September 08, 2025 to September 14, 2025	Prepared by: Approved by: Date:	SD BC2 September 19, 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)
9/8/2025	0:00:00	7.4	2.922	3.1	575,147	13.2	296
9/8/2025	0:15:00	7.5	2.850	4.1	575,190	13.1	294
9/8/2025	0:45:00	7.5	2.854	1.5	575,271	13.2	294
9/8/2025	1:00:00	7.5	2.797	3.8	575,313	13.3	294
9/8/2025	1:15:00	7.5	2.896	1.5	575,351	13.2	296
9/8/2025	1:30:00	7.4	2.816	1.7	575,394	13.2	296
9/8/2025	1:45:00	7.5	2.759	3.5	575,436	13.2	296
9/8/2025	2:00:00	7.5	2.880	2.3	575,471	13.3	293
9/8/2025	2:15:00	7.5	2.797	2.8	575,514	13.6	291
9/8/2025	2:30:00	7.6	2.101	10.4	575,553	13.9	289
9/8/2025	2:45:00	7.6	2.820	6.1	575,594	13.9	289
9/8/2025	3:00:00	7.6	2.733	8	575,635	14	288
9/8/2025	3:15:00	7.6	2.824	3	575,673	14.1	288
9/8/2025	3:30:00	7.6	2.827	0	575,694	14.1	288
9/8/2025	3:45:00	7.6	2.725	0.4	575,735	14.1	288
9/8/2025	4:00:00	7.6	2.801	0.3	575,773	14	288
9/8/2025	4:15:00	7.6	2.676	0.5	575,814	14.2	288
9/8/2025	4:30:00	7.6	1.923	8.4	575,851	14.3	286
9/8/2025	4:45:00	7.6	2.748	3.3	575,890	14.3	288
9/8/2025	5:00:00	7.6	2.593	4.2	575,930	14.2	289
9/8/2025	5:30:00	7.5	2.922	0	575,996	13.8	288

Title	WoodFibre Weekly Water Discharge Report	Revision:	0
Data Date Range	September 08, 2025 to September 14, 2025	Prepared by: Approved by: Date:	SD BC2 September 19, 2025

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
9/8/2025	5:45:00	7.5	2.449	4.9	576,038	13.7	291
9/8/2025	6:00:00	7.5	2.869	0	576,079	13.5	288
9/8/2025	6:15:00	7.5	2.748	0.2	576,121	13.3	288
9/8/2025	6:30:00	7.6	2.933	0.5	576,160	13.3	288
9/8/2025	6:45:00	7.6	2.729	0.4	576,202	13.2	286
9/8/2025	7:00:00	7.6	2.593	0.7	576,242	13.1	286
9/8/2025	7:15:00	7.6	2.808	0.6	576,280	13.1	286
9/8/2025	7:30:00	7.5	2.718	0.5	576,300	13.2	291
9/8/2025	7:45:00	7.5	2.877	0.5	576,331	12.9	291
9/8/2025	8:00:00	7.5	1.435	0.5	576,368	12.9	289
9/8/2025	8:15:00	7.5	3.002	0.3	576,407	12.9	286
9/8/2025	8:30:00	7.5	3.005	0.3	576,452	12.9	286
9/8/2025	8:45:00	7.5	3.119	0.5	576,485	12.9	284
9/8/2025	9:00:00	7.5	3.005	0.2	576,531	13	284
9/8/2025	9:30:00	7.6	2.975	0.4	576,589	13	281
9/8/2025	9:45:00	7.6	2.975	0.4	576,633	13	281
9/8/2025	10:00:00	7.7	2.521	12.1	576,676	13.1	281
9/8/2025	10:15:00	7.7	2.911	0.2	576,700	13.1	279
9/8/2025	10:30:00	7.7	2.850	0.4	576,743	13.1	279
9/8/2025	10:45:00	7.7	2.907	0.5	576,782	13.1	278
9/8/2025	11:00:00	7.8	2.820	0.4	576,824	13.1	274
9/8/2025	11:30:00	7.8	2.865	0.4	576,887	13.2	278
9/8/2025	11:45:00	7.8	2.286	0.3	576,929	13.2	278
9/8/2025	12:00:00	7.8	1.749	0.3	576,954	13.2	278
9/8/2025	12:15:00	7.8	2.824	0.3	576,994	13.3	278

Title	WoodFibre Weekly Water Discharge Report	Revision:	0
Data Date Range	September 08, 2025 to September 14, 2025	Prepared by: Approved by: Date:	SD BC2 September 19, 2025

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
9/8/2025	12:30:00	7.8	2.786	0.3	577,036	13.4	277
9/8/2025	12:45:00	7.8	2.759	0.1	577,068	13.5	277
9/8/2025	13:00:00	7.8	2.759	0.3	577,110	13.6	278
9/8/2025	13:15:00	7.8	1.431	1	577,150	13.7	278
9/8/2025	13:30:00	7.8	2.793	0.3	577,182	13.7	278
9/8/2025	13:45:00	7.8	2.733	0.2	577,224	13.8	278
9/8/2025	14:00:00	7.8	1.968	0.2	577,261	13.9	278
9/8/2025	14:15:00	7.8	2.899	0.3	577,301	13.8	278
9/8/2025	14:30:00	7.8	2.835	0	577,344	13.9	278
9/8/2025	14:45:00	7.8	2.896	0.2	577,375	13.8	278
9/8/2025	15:00:00	7.8	2.827	0.2	577,418	13.9	279
9/8/2025	15:15:00	7.8	2.388	0.8	577,459	14	278
9/8/2025	15:30:00	7.8	2.888	0.2	577,500	14	279
9/8/2025	15:45:00	7.8	2.873	0.2	577,531	13.9	280
9/8/2025	16:00:00	7.9	2.812	0.2	577,574	13.9	282
9/8/2025	16:15:00	7.9	1.321	2.7	577,609	13.9	282
9/8/2025	16:30:00	7.6	2.869	0.2	577,647	13.9	282
9/8/2025	16:45:00	7.5	2.805	0.3	577,689	13.9	282
9/8/2025	17:00:00	7.4	2.873	0.2	577,728	13.9	282
9/8/2025	17:15:00	7.4	2.808	0.3	577,770	13.9	282
9/8/2025	17:30:00	7.4	2.729	0.2	577,812	13.9	278
9/8/2025	17:45:00	7.4	2.801	0.2	577,850	13.8	279
9/8/2025	18:15:00	7.3	1.185	0.2	577,904	13.7	277
9/8/2025	18:30:00	7.4	2.827	0.2	577,941	13.6	278
9/8/2025	18:45:00	7.5	2.752	0.5	577,983	13.6	278

Title	WoodFibre Weekly Water Discharge Report	Revision:	0
Data Date Range	September 08, 2025 to September 14, 2025	Prepared by: Approved by: Date:	SD BC2 September 19, 2025

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
9/8/2025	19:00:00	7.6	2.725	0.3	578,017	13.5	278
9/8/2025	19:15:00	7.7	2.653	0.4	578,057	13.4	278
9/8/2025	19:30:00	7.7	2.093	0.6	578,096	13.4	278
9/8/2025	19:45:00	7.7	2.650	0.5	578,132	13.3	278
9/8/2025	20:00:00	7.7	2.562	0.6	578,171	13.3	278
9/8/2025	20:15:00	7.7	2.089	0.5	578,207	13.3	278
9/8/2025	20:30:00	7.7	2.559	0.8	578,244	13.2	278
9/8/2025	20:45:00	7.7	2.464	1.4	578,282	13.2	278
9/8/2025	21:00:00	7.7	2.619	1.7	578,316	13.2	278
9/8/2025	21:15:00	7.7	2.494	1.2	578,354	13.2	278
9/8/2025	22:00:00	7.8	0.958	0.9	578,408	13.2	279
9/8/2025	22:15:00	7.7	2.790	1.4	578,450	13.1	276
9/8/2025	22:30:00	7.7	0.197	2.3	578,482	13.2	277
9/8/2025	22:45:00	7.7	2.668	2.1	578,516	13	279
9/8/2025	23:00:00	7.7	2.210	6.9	578,546	13.1	281
9/8/2025	23:15:00	7.7	2.676	5	578,584	13	281
9/8/2025	23:30:00	7.7	2.578	1.9	578,623	13	279
9/8/2025	23:45:00	7.7	2.676	1.5	578,658	13	279
9/9/2025	0:00:00	7.7	2.574	2.1	578,697	13	279
9/9/2025	0:15:00	7.7	2.668	3.1	578,730	13	283
9/9/2025	0:45:00	7.6	3.107	3.7	578,792	13	294
9/9/2025	1:00:00	7.5	2.861	1.7	578,835	13	297
9/9/2025	1:15:00	6.8	2.229	1.8	578,873	13.1	297
9/9/2025	1:30:00	6.8	2.820	1.1	578,901	13.1	299
9/9/2025	1:45:00	7.4	2.411	1.2	578,932	13	299

Title	WoodFibre Weekly Water Discharge Report	Revision:	0
Data Date Range	September 08, 2025 to September 14, 2025	Prepared by: Approved by: Date:	SD BC2 September 19, 2025

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
9/9/2025	2:00:00	7.6	0.371	1.3	578,964	13.1	299
9/9/2025	2:15:00	7.5	2.835	1.2	579,001	12.9	297
9/9/2025	2:45:00	7.5	2.831	1.4	579,070	12.9	294
9/9/2025	3:00:00	7.6	2.725	1	579,099	13.1	294
9/9/2025	3:15:00	7.5	2.358	0.9	579,138	12.9	292
9/9/2025	3:30:00	7.5	2.918	5.8	579,172	12.9	293
9/9/2025	3:45:00	7.5	2.888	0.7	579,216	13.1	293
9/9/2025	4:00:00	7	2.192	0.7	579,250	13.1	293
9/9/2025	4:15:00	6.8	2.888	0.5	579,292	13.2	294
9/9/2025	4:30:00	7.5	2.483	1	579,334	13.2	294
9/9/2025	4:45:00	7.5	2.419	0.8	579,375	13.2	294
9/9/2025	5:00:00	7.5	2.888	1.1	579,415	13.2	294
9/9/2025	5:15:00	7.5	2.865	1.2	579,454	13.2	294
9/9/2025	6:00:00	6.9	2.835	0.7	579,484	13.2	294
9/9/2025	6:15:00	7.5	2.388	1.6	579,523	13.2	293
9/9/2025	6:30:00	7.5	2.831	1.2	579,564	13.1	289
9/9/2025	6:45:00	7.5	2.453	1.4	579,591	13.1	289
9/9/2025	7:00:00	7.5	2.381	1.3	579,630	13.1	289
9/9/2025	7:30:00	7.5	2.771	0.5	579,700	13.1	286
9/9/2025	7:45:00	7.5	2.385	0.9	579,738	13.1	284
9/9/2025	8:00:00	7.5	2.771	0.4	579,776	13.1	282
9/9/2025	8:15:00	7.4	2.752	0.6	579,802	13.1	282
9/9/2025	8:30:00	6.9	2.790	1.4	579,830	13.3	282
9/9/2025	8:45:00	7.5	2.744	4	579,871	13.2	280
9/9/2025	9:00:00	7.5	2.752	1.1	579,904	13.2	280

Title	WoodFibre Weekly Water Discharge Report	Revision:	0
Data Date Range	September 08, 2025 to September 14, 2025	Prepared by: Approved by: Date:	SD BC2 September 19, 2025

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
9/9/2025	9:15:00	7.4	2.816	1.6	579,927	13.3	280
9/9/2025	9:45:00	7.5	2.793	0.4	579,997	13.3	280
9/9/2025	10:00:00	7.6	2.411	1.1	580,034	13.3	278
9/9/2025	10:15:00	7.6	2.790	1.4	580,074	13.3	278
9/9/2025	10:30:00	7.6	2.381	1.6	580,116	13.4	278
9/9/2025	11:00:00	7.7	2.797	5	580,183	13.6	280
9/9/2025	11:15:00	7.6	2.347	8.6	580,220	13.7	285
9/9/2025	11:30:00	7.5	2.812	7.7	580,259	13.7	287
9/9/2025	11:45:00	7.4	2.358	12.2	580,298	13.9	288
9/9/2025	12:15:00	7.4	2.426	10.8	580,360	14.1	292
9/9/2025	12:30:00	7.3	2.824	11.8	580,395	14.1	292
9/9/2025	12:45:00	7.4	2.415	11.7	580,436	14.1	288
9/9/2025	13:00:00	7.5	2.816	14.2	580,471	14.1	288
9/9/2025	13:15:00	7.6	2.415	9	580,502	14.1	289
9/9/2025	13:30:00	7.5	2.362	6.6	580,539	14.2	292
9/9/2025	13:45:00	7.4	2.812	10.9	580,580	14.2	292
9/9/2025	14:15:00	7.5	2.865	16.6	580,625	14.4	296
9/9/2025	14:30:00	7.5	1.416	8.5	580,658	14.3	295
9/9/2025	14:45:00	7.5	2.755	4.1	580,690	14.3	297
9/9/2025	15:15:00	7.4	2.767	5.4	580,756	14.3	293
9/9/2025	15:30:00	7.4	2.475	1.2	580,789	14.4	292
9/9/2025	15:45:00	7.4	2.865	0.7	580,826	14.4	292
9/9/2025	16:00:00	7.5	2.453	1	580,869	14.4	292
9/9/2025	16:30:00	6.8	2.858	0.7	580,916	14.5	289
9/9/2025	16:45:00	6.9	2.400	1.6	580,954	14.5	287

Title	WoodFibre Weekly Water Discharge Report	Revision:	0
Data Date Range	September 08, 2025 to September 14, 2025	Prepared by: Approved by: Date:	SD BC2 September 19, 2025

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
9/9/2025	17:00:00	6.9	2.846	1.4	580,995	14.4	287
9/9/2025	17:15:00	6.9	2.403	1.4	581,028	14.5	287
9/9/2025	17:30:00	6.9	2.820	0.1	581,057	14.4	287
9/9/2025	18:00:00	6.9	2.846	0.4	581,118	14.2	286
9/9/2025	18:15:00	6.9	2.441	1	581,147	14.5	283
9/9/2025	18:45:00	6.9	2.438	2	581,214	14.1	283
9/9/2025	19:00:00	6.9	2.388	3	581,239	14.2	284
9/9/2025	19:15:00	6.9	2.843	2.4	581,269	14	282
9/9/2025	19:45:00	6.9	2.835	0.3	581,334	13.8	278
9/9/2025	20:00:00	6.9	2.377	0.7	581,361	13.7	278
9/9/2025	20:15:00	6.9	2.854	0.5	581,386	13.7	278
9/9/2025	21:30:00	6.9	2.487	1.5	581,477	13.5	280
9/9/2025	21:45:00	6.9	2.438	1.5	581,514	13.6	280
9/9/2025	22:00:00	6.9	2.850	0.7	581,557	13.5	280
9/9/2025	22:15:00	6.9	2.460	2	581,595	13.6	280
9/9/2025	22:45:00	6.9	2.422	5.3	581,662	13.6	280
9/9/2025	23:00:00	6.9	2.869	1.9	581,687	13.7	282
9/9/2025	23:15:00	6.9	2.483	3.1	581,712	14	282
9/9/2025	23:30:00	6.9	2.850	3.2	581,751	13.7	284
9/10/2025	0:00:00	6.8	2.824	4	581,811	13.6	298
9/10/2025	0:30:00	6.8	2.347	6.5	581,876	13.7	308
9/10/2025	0:45:00	6.7	2.808	7	581,904	13.7	317
9/10/2025	1:00:00	6.6	2.869	12.5	581,932	13.6	325
9/10/2025	1:15:00	6.8	2.843	8.4	581,975	13.6	329
9/10/2025	1:30:00	6.9	2.449	9	582,016	13.7	329

Title WoodFibre Weekly Water Discharge Report

Revision:
0
Data Date Range September 08, 2025 to September 14, 2025

Prepared by:
SD
Approved by:
BC2
Date:
September 19, 2025

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
9/10/2025	1:45:00	6.9	2.839	2.5	582,045	13.6	328
9/10/2025	2:45:00	6.9	2.369	5.9	582,162	13.7	318
9/10/2025	3:00:00	6.9	2.824	4.9	582,204	13.6	317
9/10/2025	3:15:00	7	2.373	7.9	582,241	13.7	313
9/10/2025	3:30:00	7	2.782	8.5	582,282	13.6	310
9/10/2025	3:45:00	7	1.745	5.2	582,316	13.4	299
9/10/2025	4:00:00	7	2.816	3.2	582,353	13.3	300
9/10/2025	4:30:00	6.9	2.820	4.3	582,420	13.3	298
9/10/2025	4:45:00	6.7	2.415	6.7	582,461	13.3	299
9/10/2025	5:00:00	6.8	2.839	6.3	582,487	13.3	299
9/10/2025	6:00:00	6.9	2.354	7.8	582,558	13.5	298
9/10/2025	6:30:00	6.9	1.287	4.2	582,614	13.3	298
9/10/2025	6:45:00	6.9	2.843	3.8	582,652	13.3	296
9/10/2025	7:00:00	6.9	2.438	3.3	582,691	13.5	296
9/10/2025	7:15:00	6.9	2.839	4.3	582,730	13.5	293
9/10/2025	7:30:00	6.9	2.430	4.7	582,770	13.6	293
9/10/2025	7:45:00	6.9	2.824	1.9	582,807	13.6	292
9/10/2025	8:15:00	6.9	2.812	3.2	582,877	13.6	288
9/10/2025	8:30:00	6.9	2.816	5.4	582,905	13.7	288
9/10/2025	8:45:00	6.9	2.827	4.8	582,933	13.8	288
9/10/2025	9:00:00	6.9	2.786	3.2	582,975	13.6	288
9/10/2025	9:15:00	6.9	2.763	3.2	583,000	13.7	288
9/10/2025	9:30:00	6.9	2.729	3.8	583,041	13.6	288
9/10/2025	9:45:00	6.9	2.332	9.5	583,069	13.7	288
9/10/2025	10:00:00	6.9	2.706	2.8	583,110	13.6	288

Title	WoodFibre Weekly Water Discharge Report	Revision:	0
Data Date Range	September 08, 2025 to September 14, 2025	Prepared by: Approved by: Date:	SD BC2 September 19, 2025

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
9/10/2025	10:15:00	6.9	1.703	3	583,133	13.7	288
9/10/2025	10:30:00	6.8	2.642	4	583,169	13.6	288
9/10/2025	10:45:00	6.8	2.184	10.2	583,207	13.6	288
9/10/2025	11:45:00	6.8	2.604	5	583,235	13.9	288
9/10/2025	12:00:00	6.8	2.631	3.4	583,267	14	287
9/10/2025	12:15:00	6.7	2.657	2.8	583,296	14	288
9/10/2025	12:30:00	6.8	1.673	6.1	583,330	14	287
9/10/2025	12:45:00	6.8	2.755	3.8	583,361	14.1	286
9/10/2025	13:00:00	6.9	2.498	3.9	583,402	14.3	287
9/10/2025	13:15:00	6.9	2.661	6	583,440	14.4	287
9/10/2025	13:30:00	6.9	2.203	3.6	583,479	14.3	287
9/10/2025	13:45:00	6.9	2.142	5.5	583,504	14.4	287
9/10/2025	14:00:00	6.8	2.661	2.2	583,543	14.3	287
9/10/2025	14:15:00	6.8	2.161	5.9	583,578	14.4	291
9/10/2025	14:30:00	6.9	2.665	5	583,615	14.4	287
9/10/2025	14:45:00	6.9	2.184	9.4	583,644	14.5	287
9/10/2025	15:00:00	6.8	2.680	9.7	583,680	14.4	294
9/10/2025	15:15:00	6.7	1.741	8.4	583,712	14.4	299
9/10/2025	15:30:00	6.7	2.691	8.9	583,749	14.4	304
9/10/2025	16:00:00	7	2.771	11	583,809	14.4	325
9/10/2025	16:15:00	7.2	2.316	20.1	583,850	14.4	338
9/10/2025	16:30:00	7.3	2.366	19.4	583,879	14.4	355
9/10/2025	17:15:00	7.2	2.774	14.4	583,943	14.4	428
9/10/2025	17:30:00	7.1	2.297	11.4	583,973	14.4	437
9/10/2025	17:45:00	7	2.752	2.4	584,007	14.3	445

Title WoodFibre Weekly Water Discharge Report

Revision:
0
Data Date Range September 08, 2025 to September 14, 2025

Prepared by:
SD
Approved by:
BC2
Date:
September 19, 2025

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
9/10/2025	18:15:00	6.8	2.793	1.7	584,074	14.1	430
9/10/2025	18:30:00	7	1.347	1.3	584,109	14	412
9/10/2025	18:45:00	8	2.733	11.5	584,136	14.2	396
9/10/2025	20:15:00	7.8	2.964	11.3	584,166	13.8	472
9/10/2025	20:45:00	7.4	1.306	14.4	584,203	13.3	471
9/10/2025	21:30:00	6.4	2.808	1.5	584,250	13.3	426
9/10/2025	21:45:00	6.4	2.067	2.1	584,286	13.3	406
9/10/2025	22:00:00	6.5	2.528	3	584,320	13.1	409
9/10/2025	22:15:00	6.5	1.893	7.8	584,355	13.1	406
9/10/2025	22:30:00	6.7	2.521	5.2	584,390	13.1	406
9/10/2025	22:45:00	7	1.874	10.4	584,425	13.1	406
9/10/2025	23:00:00	7.1	2.786	5.8	584,460	13.1	407
9/10/2025	23:15:00	7.2	2.214	6.2	584,501	13.2	411
9/10/2025	23:30:00	7.3	2.782	5.1	584,538	13.2	416
9/10/2025	23:45:00	6.9	2.366	5.5	584,580	13.2	416
9/11/2025	0:00:00	6.8	2.763	3.4	584,616	13.3	420
9/11/2025	0:15:00	6.7	2.369	8.6	584,657	13.3	421
9/11/2025	0:30:00	6.9	0.337	6.9	584,687	13.4	421
9/11/2025	0:45:00	6.9	2.385	4.8	584,723	13.3	420
9/11/2025	1:00:00	7	2.347	6.3	584,749	13.3	419
9/11/2025	1:15:00	7.2	2.407	9.7	584,779	13.3	421
9/11/2025	1:30:00	7.1	2.362	8.1	584,816	13.2	421
9/11/2025	1:45:00	7.1	1.336	4.3	584,845	13.1	414
9/11/2025	2:00:00	7	2.843	11.5	584,887	13.1	412
9/11/2025	2:15:00	8.4	1.045	17.1	584,905	13.1	410

Title WoodFibre Weekly Water Discharge Report

Revision:
0
Data Date Range September 08, 2025 to September 14, 2025

Prepared by:
SD
Approved by:
BC2
Date:
September 19, 2025

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
9/11/2025	2:30:00	7	2.911	13.3	584,939	13.1	409
9/11/2025	2:45:00	6.6	0.409	7.1	584,971	13.3	414
9/11/2025	3:00:00	6.5	2.873	6.9	585,008	13.1	414
9/11/2025	3:15:00	6.4	2.880	5.2	585,040	13.1	416
9/11/2025	3:30:00	6.3	2.907	6.4	585,068	13.1	417
9/11/2025	3:45:00	6.6	2.877	6.1	585,111	13.1	419
9/11/2025	4:00:00	7.1	0.458	11.8	585,147	13.1	421
9/11/2025	4:15:00	7	2.869	11.4	585,181	13.1	421
9/11/2025	4:30:00	6.8	1.514	14.9	585,215	13.1	422
9/11/2025	4:45:00	6.6	2.865	6	585,249	13.1	422
9/11/2025	5:00:00	6.8	2.411	11.5	585,290	13.1	422
9/11/2025	5:15:00	7	2.858	10.2	585,328	13	422
9/11/2025	5:30:00	7	1.775	12.3	585,358	13	424
9/11/2025	5:45:00	6.8	2.426	11.7	585,392	13	424
9/11/2025	6:00:00	6.7	2.835	4.8	585,421	13	427
9/11/2025	7:00:00	6.4	2.839	3.1	585,513	13	429
9/11/2025	7:15:00	6.4	2.816	4.1	585,552	13	429
9/11/2025	7:30:00	6.4	2.430	4.8	585,592	13	429
9/11/2025	7:45:00	6.4	2.373	5	585,631	13	427
9/11/2025	8:00:00	6.4	2.411	6.9	585,671	13	429
9/11/2025	8:15:00	6.4	2.385	11.3	585,702	13.1	429
9/11/2025	8:30:00	6.4	2.812	10	585,741	13.1	429
9/11/2025	8:45:00	6.5	0.326	16.4	585,775	13.1	427
9/11/2025	9:00:00	7	2.808	31.6	585,808	13.7	432
9/11/2025	9:15:00	6.3	2.434	8.5	585,848	13.3	429

Title WoodFibre Weekly Water Discharge Report

Revision:
0
Data Date Range September 08, 2025 to September 14, 2025

Prepared by:
SD
Approved by:
BC2
Date:
September 19, 2025

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
9/11/2025	9:30:00	6.6	2.812	5.5	585,886	13.2	429
9/11/2025	10:00:00	7	2.233	10.4	585,922	13.3	427
9/11/2025	10:15:00	6.9	2.665	5.6	585,963	13.3	428
9/11/2025	10:30:00	6.6	2.169	6.5	585,997	13.4	426
9/11/2025	10:45:00	-0.4	2.684	25.1	586,019	13.3	423
9/11/2025	11:00:00	-0.4	2.070	85.4	586,056	13.7	428
9/11/2025	11:15:00	6.9	2.687	3.2	586,086	13.4	388
9/11/2025	11:30:00	7	2.222	10.3	586,125	13.3	385
9/11/2025	12:00:00	7.1	2.676	9.5	586,188	13.5	380
9/11/2025	12:15:00	7.1	2.665	8.1	586,214	13.6	377
9/11/2025	12:45:00	7.2	2.195	6.4	586,272	13.7	372
9/11/2025	13:00:00	7.1	2.661	5.9	586,312	13.7	369
9/11/2025	13:15:00	7.1	1.351	4.2	586,344	13.7	367
9/11/2025	13:30:00	7.3	2.691	7.6	586,374	13.7	359
9/11/2025	14:00:00	6.5	2.695	3.7	586,432	13.9	354
9/11/2025	14:15:00	6.6	2.233	5.5	586,472	14	354
9/11/2025	14:30:00	6.8	2.263	10.4	586,494	14.3	349
9/11/2025	14:45:00	7	2.680	6.1	586,534	14.1	346
9/11/2025	15:15:00	7	2.699	5.7	586,589	14.2	346
9/11/2025	15:30:00	7	2.684	5.2	586,626	14.1	346
9/11/2025	15:45:00	7	2.687	5.2	586,655	14.1	346
9/11/2025	16:00:00	7	2.260	7.2	586,692	14.1	344
9/11/2025	16:15:00	7	2.260	7.2	586,716	14.1	344
9/11/2025	16:30:00	7	1.234	9	586,736	14.2	344
9/11/2025	16:45:00	6.9	2.328	2.3	586,768	14.1	344

Title WoodFibre Weekly Water Discharge Report

Revision:
0
Data Date Range September 08, 2025 to September 14, 2025

Prepared by:
SD
Approved by:
BC2
Date:
September 19, 2025

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
9/11/2025	17:00:00	6.5	2.267	2.1	586,800	14	343
9/11/2025	17:15:00	6.6	2.733	2	586,837	14	341
9/11/2025	17:30:00	6.8	2.752	1.9	586,875	14	341
9/11/2025	17:45:00	7	2.748	3	586,907	14	341
9/11/2025	18:00:00	7	2.294	3.2	586,941	14	341
9/11/2025	18:15:00	7.1	2.737	2.2	586,977	13.9	341
9/11/2025	18:30:00	7.1	2.332	4.6	587,000	13.9	341
9/11/2025	18:45:00	7.2	2.271	3.3	587,036	13.9	341
9/11/2025	19:00:00	7.2	2.729	5	587,067	13.8	341
9/11/2025	19:15:00	7.2	2.260	4.1	587,103	13.8	341
9/11/2025	19:30:00	7.2	2.725	4.3	587,141	13.7	341
9/11/2025	20:00:00	7	2.850	1.6	587,163	13.8	339
9/11/2025	20:15:00	7	2.460	4.7	587,204	13.7	339
9/11/2025	20:45:00	7	2.812	1.9	587,269	13.6	339
9/11/2025	21:00:00	7	2.820	2.3	587,288	13.7	340
9/11/2025	21:15:00	7	3.066	21.3	587,301	13.7	322
9/11/2025	21:30:00	7.1	1.650	402	587,325	13.6	114
9/11/2025	21:45:00	7.3	2.725	402.3	587,351	15.5	113
9/11/2025	22:00:00	7	2.127	2.4	587,388	13.2	284
9/11/2025	22:15:00	7	2.797	2	587,427	13.1	289
9/11/2025	22:30:00	7	2.226	4.9	587,467	13.1	291
9/11/2025	22:45:00	7	2.808	2	587,496	13.1	292
9/11/2025	23:00:00	7	2.767	2.5	587,538	13.1	294
9/11/2025	23:15:00	7	2.831	3	587,561	13.2	296
9/11/2025	23:30:00	7	2.793	3.6	587,604	13.2	296

Title	WoodFibre Weekly Water Discharge Report	Revision:	0
Data Date Range	September 08, 2025 to September 14, 2025	Prepared by: Approved by: Date:	SD BC2 September 19, 2025

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
9/11/2025	23:45:00	7	2.434	3.3	587,625	13.3	299
9/12/2025	0:45:00	7	2.354	3.6	587,732	13.3	303
9/12/2025	1:00:00	7	2.805	4.4	587,770	13.2	303
9/12/2025	1:30:00	7	2.650	4	587,831	13.3	304
9/12/2025	1:45:00	7	2.816	5.9	587,861	13.4	304
9/12/2025	2:00:00	6.9	2.419	5.2	587,898	13.3	304
9/12/2025	2:15:00	6.8	2.801	7	587,938	13.2	304
9/12/2025	4:45:00	6.3	2.816	5.3	588,007	12.9	370
9/12/2025	5:00:00	6.6	2.831	7	588,047	13	368
9/12/2025	5:15:00	6.7	2.824	6.1	588,085	13	370
9/12/2025	5:30:00	6.8	2.434	11.5	588,126	13	368
9/12/2025	5:45:00	6.9	0.333	13.9	588,160	13.1	363
9/12/2025	6:00:00	6.9	1.601	4.4	588,186	13.1	315
9/12/2025	6:15:00	7	1.703	5	588,220	12.9	328
9/12/2025	6:30:00	7.1	2.434	3.2	588,258	12.9	331
9/12/2025	6:45:00	7.1	2.366	9.5	588,297	12.9	333
9/12/2025	7:00:00	7	2.782	4.9	588,336	12.9	337
9/12/2025	7:15:00	7	2.793	4.6	588,374	13	337
9/12/2025	7:30:00	7	2.782	6.4	588,402	13	337
9/12/2025	7:45:00	7	2.400	5.4	588,441	13.1	337
9/12/2025	8:00:00	7	2.782	4	588,478	13.1	335
9/12/2025	8:15:00	7	2.396	3	588,519	13.2	339
9/12/2025	8:30:00	6.9	2.286	3.7	588,555	13.2	339
9/12/2025	8:45:00	6.8	2.782	5.2	588,586	13.2	339
9/12/2025	9:00:00	6.9	2.373	6.3	588,623	13.4	339

Title	WoodFibre Weekly Water Discharge Report	Revision:	0
Data Date Range	September 08, 2025 to September 14, 2025	Prepared by: Approved by: Date:	SD BC2 September 19, 2025

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
9/12/2025	9:15:00	7.1	2.774	5.7	588,663	13.5	340
9/12/2025	9:30:00	7.1	2.528	8.5	588,702	13.6	339
9/12/2025	9:45:00	7.1	2.782	7	588,740	13.6	339
9/12/2025	10:00:00	7.1	2.426	7.5	588,770	13.6	339
9/12/2025	10:15:00	7.1	2.373	9.2	588,807	13.6	339
9/12/2025	10:30:00	7.1	2.782	4.3	588,848	13.5	339
9/12/2025	10:45:00	7.3	2.509	3.8	588,885	13.5	339
9/12/2025	11:00:00	7.4	2.782	4.7	588,925	13.4	339
9/12/2025	11:15:00	7.4	2.199	10.1	588,954	13.8	339
9/12/2025	11:30:00	7.5	2.797	4.9	588,992	13.6	340
9/12/2025	11:45:00	7.4	2.403	8	589,033	13.6	340
9/12/2025	12:00:00	7.3	2.797	7.9	589,060	13.7	340
9/12/2025	12:15:00	7.3	2.759	5.2	589,102	13.7	340
9/12/2025	12:30:00	7.2	2.790	14.5	589,138	13.8	340
9/12/2025	12:45:00	7.2	2.755	10.1	589,179	13.8	341
9/12/2025	13:30:00	7.1	1.389	13.6	589,265	13.9	338
9/12/2025	13:45:00	7.1	2.668	19.6	589,297	13.9	336
9/12/2025	14:00:00	7.1	2.237	14.7	589,323	14	336
9/12/2025	14:15:00	7.1	2.676	4.4	589,358	13.9	336
9/12/2025	14:30:00	7.1	2.668	4.9	589,386	13.9	336
9/12/2025	15:00:00	7.1	2.665	5.2	589,448	13.9	334
9/12/2025	15:15:00	7.1	2.248	4.5	589,483	14	334
9/12/2025	15:30:00	7.1	2.668	8.5	589,511	14	334
9/12/2025	16:00:00	7.1	2.820	5	589,563	14	333
9/12/2025	16:15:00	7.2	2.362	8.2	589,603	14	333

Title WoodFibre Weekly Water Discharge Report

Revision:
0
Data Date Range September 08, 2025 to September 14, 2025

Prepared by:
SD
Approved by:
BC2
Date:
September 19, 2025

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
9/12/2025	16:30:00	7.2	2.456	6.2	589,627	14	331
9/12/2025	17:00:00	7.1	2.438	9.5	589,690	14	331
9/12/2025	17:15:00	7.1	2.843	17.8	589,714	14.2	329
9/12/2025	18:00:00	7	2.801	8	589,803	13.8	331
9/12/2025	18:30:00	7	2.218	2.8	589,868	13.7	331
9/12/2025	19:00:00	7	2.218	4.2	589,928	13.7	330
9/12/2025	19:15:00	7	2.695	4.3	589,950	13.8	330
9/12/2025	19:30:00	7	2.210	5.3	589,986	13.6	331
9/12/2025	19:45:00	7	2.699	3.9	590,010	13.8	331
9/12/2025	20:00:00	7	2.248	3.2	590,045	13.5	331
9/12/2025	20:30:00	7	2.256	5.9	590,072	13.5	329
9/12/2025	20:45:00	7	2.634	7	590,092	13.6	329
9/12/2025	21:15:00	7	1.503	3.1	590,114	13.7	299
9/12/2025	21:45:00	6.9	1.726	4.1	590,176	13	300
9/12/2025	22:00:00	7	2.744	6.5	590,215	13	300
9/12/2025	22:30:00	7	2.752	7.5	590,280	13.2	297
9/12/2025	23:00:00	7	2.767	3.5	590,339	13.3	297
9/12/2025	23:15:00	7	2.752	10.7	590,369	13.2	297
9/12/2025	23:30:00	7	2.759	6.8	590,395	13.3	297
9/12/2025	23:45:00	7	1.302	1.5	590,426	13.2	298
9/13/2025	0:00:00	7	2.589	5.2	590,449	13.3	299
9/13/2025	1:00:00	7.2	2.282	13.5	590,543	13.3	299
9/13/2025	1:15:00	7.1	2.733	3	590,564	13.2	300
9/13/2025	1:45:00	7	2.744	3.6	590,624	13.1	299
9/13/2025	2:00:00	7	2.400	5.2	590,664	13.1	299

Title	WoodFibre Weekly Water Discharge Report	Revision:	0
Data Date Range	September 08, 2025 to September 14, 2025	Prepared by: Approved by: Date:	SD BC2 September 19, 2025

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
9/13/2025	2:15:00	7	3.013	5.8	590,689	13.1	299
9/13/2025	2:45:00	7	2.771	13.4	590,733	13.3	297
9/13/2025	3:00:00	7.1	2.801	15.6	590,753	13.3	297
9/13/2025	3:15:00	7.1	1.260	14.7	590,778	13.3	299
9/13/2025	3:30:00	7.1	2.767	12.4	590,815	13.2	300
9/13/2025	3:45:00	7.1	1.192	18	590,851	13.2	304
9/13/2025	4:00:00	7.1	2.771	12.5	590,869	13.4	304
9/13/2025	4:15:00	7	2.759	7.9	590,911	13.3	304
9/13/2025	5:00:00	7	2.434	12.9	590,974	13.3	302
9/13/2025	5:15:00	7	2.797	14.6	591,016	13.3	304
9/13/2025	5:45:00	7.1	2.797	15.1	591,081	13.3	304
9/13/2025	6:00:00	7.1	1.071	13.7	591,109	13.2	304
9/13/2025	6:15:00	7.1	2.824	13.8	591,133	13.2	304
9/13/2025	6:30:00	7.1	2.366	7.7	591,161	13.3	304
9/13/2025	6:45:00	7.1	2.419	3.5	591,198	13.2	304
9/13/2025	7:00:00	7	2.714	4.1	591,228	13.2	300
9/13/2025	7:30:00	7	2.608	4.7	591,285	13.3	304
9/13/2025	7:45:00	6.9	2.593	3.8	591,320	13.2	304
9/13/2025	8:00:00	6.9	2.668	3.1	591,356	13.2	304
9/13/2025	8:15:00	6.9	2.661	3.6	591,392	13.2	301
9/13/2025	8:30:00	6.9	2.237	1.4	591,429	13.2	299
9/13/2025	8:45:00	6.9	2.161	2.4	591,465	13.3	299
9/13/2025	9:00:00	6.9	2.222	1.4	591,502	13.3	299
9/13/2025	9:15:00	6.9	2.157	3	591,538	13.3	299
9/13/2025	9:30:00	6.9	2.623	3.1	591,575	13.3	299

Title WoodFibre Weekly Water Discharge Report

Revision:
0
Data Date Range September 08, 2025 to September 14, 2025

Prepared by:
SD
Approved by:
BC2
Date:
September 19, 2025

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
9/13/2025	9:45:00	7	2.165	3.4	591,611	13.4	299
9/13/2025	10:00:00	7	2.638	3.5	591,647	13.4	299
9/13/2025	10:15:00	7	1.601	2	591,679	13.5	299
9/13/2025	10:45:00	6.9	2.245	3.7	591,738	13.6	298
9/13/2025	11:00:00	6.9	2.619	3.8	591,758	13.8	299
9/13/2025	11:15:00	7	2.600	4.2	591,797	13.7	299
9/13/2025	11:30:00	7	2.195	3.7	591,831	13.8	301
9/13/2025	11:45:00	6.9	2.623	3.6	591,869	13.7	301
9/13/2025	12:00:00	6.9	2.108	6.9	591,905	13.8	299
9/13/2025	12:15:00	6.9	2.638	5.3	591,933	13.9	296
9/13/2025	12:30:00	7	2.108	5.7	591,971	14.1	298
9/13/2025	12:45:00	7	2.638	7.7	591,992	14.3	300
9/13/2025	13:00:00	7	2.631	10.5	592,032	14.2	300
9/13/2025	13:15:00	7	2.634	9.6	592,058	14.1	300
9/13/2025	13:30:00	7	2.619	15.3	592,098	14.1	300
9/13/2025	13:45:00	6.9	1.461	9.6	592,122	14.1	302
9/13/2025	14:00:00	6.9	1.378	9.8	592,158	14.2	303
9/13/2025	14:15:00	6.9	1.605	19.4	592,168	14.2	305
9/13/2025	14:30:00	7	2.339	8.2	592,205	14.3	303
9/13/2025	15:00:00	7	2.260	12.3	592,267	14.4	303
9/13/2025	15:15:00	7	2.184	16.8	592,288	14.4	303
9/13/2025	15:45:00	7	2.169	19.4	592,330	14.4	303
9/13/2025	16:30:00	7	2.025	5.9	592,404	14.5	303
9/13/2025	16:45:00	7	1.465	4.1	592,431	14.3	302
9/13/2025	17:00:00	7	1.181	2.2	592,465	14.3	302

Title WoodFibre Weekly Water Discharge Report

Revision:
0
Data Date Range September 08, 2025 to September 14, 2025

Prepared by:
SD
Approved by:
BC2
Date:
September 19, 2025

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
9/13/2025	17:15:00	7	2.139	8.3	592,482	14.5	302
9/13/2025	17:30:00	7.1	1.260	7	592,520	14.5	302
9/13/2025	17:45:00	7.2	2.358	8.9	592,537	14.6	302
9/13/2025	18:00:00	7.2	2.210	7.7	592,578	14.5	302
9/13/2025	18:15:00	7.3	2.774	9.7	592,614	14.4	302
9/13/2025	18:30:00	7.3	1.522	6.1	592,652	14.4	302
9/13/2025	18:45:00	7.3	1.609	9.4	592,672	14.3	302
9/13/2025	19:00:00	7.4	2.260	20.7	592,708	14.5	302
9/13/2025	19:15:00	7.3	2.790	14.9	592,731	14.3	302
9/13/2025	19:45:00	7.2	2.638	9.1	592,784	14.2	301
9/13/2025	20:15:00	7.1	0.912	7.8	592,825	14.1	303
9/13/2025	20:45:00	7.2	2.267	10.1	592,883	14	299
9/13/2025	21:00:00	7.2	2.676	5	592,923	13.8	299
9/13/2025	21:30:00	7.3	2.706	7.3	592,979	13.7	299
9/13/2025	22:30:00	7.3	2.752	2.5	593,086	13.7	299
9/13/2025	22:45:00	7.3	2.354	13.4	593,119	13.8	298
9/13/2025	23:00:00	7.3	2.733	4.3	593,160	13.8	298
9/13/2025	23:15:00	6.9	2.093	18.1	593,190	13.8	298
9/13/2025	23:30:00	6.5	2.710	9.6	593,217	13.9	299
9/14/2025	0:15:00	6.5	2.252	9.2	593,254	13.9	308
9/14/2025	0:30:00	6.7	2.631	1	593,294	13.9	308
9/14/2025	0:45:00	6.9	2.271	2.8	593,329	13.9	304
9/14/2025	1:00:00	6.8	2.646	1.3	593,369	13.9	303
9/14/2025	1:15:00	6.8	2.256	2.4	593,405	13.9	303
9/14/2025	1:30:00	6.8	2.631	1.8	593,444	13.8	303

Title	WoodFibre Weekly Water Discharge Report	Revision:	0
Data Date Range	September 08, 2025 to September 14, 2025	Prepared by: Approved by: Date:	SD BC2 September 19, 2025

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
9/14/2025	1:45:00	6.9	2.245	4.5	593,480	13.9	303
9/14/2025	2:00:00	7	0.484	1.9	593,519	13.9	299
9/14/2025	2:15:00	7	2.237	2.9	593,543	14	299
9/14/2025	2:30:00	7	2.612	1.5	593,572	14.1	301
9/14/2025	2:45:00	7	2.491	2.6	593,606	14	301
9/14/2025	3:00:00	7.4	2.774	4.9	593,640	13.4	306
9/14/2025	3:15:00	7.5	1.624	1.7	593,673	13.4	305
9/14/2025	3:30:00	7.2	2.752	1.4	593,714	13.5	305
9/14/2025	3:45:00	7.2	2.725	1.9	593,752	13.5	307
9/14/2025	4:00:00	7.1	2.725	2.1	593,793	13.4	307
9/14/2025	4:15:00	7.2	2.464	1.6	593,819	13.4	309
9/14/2025	4:30:00	7.1	0.386	1.2	593,850	13.6	307
9/14/2025	4:45:00	7.1	2.267	3.1	593,885	13.4	307
9/14/2025	5:00:00	7.1	2.759	1.4	593,926	13.4	307
9/14/2025	5:15:00	7	2.748	1.5	593,964	13.4	307
9/14/2025	5:30:00	7	2.755	1	594,003	13.4	307
9/14/2025	5:45:00	7	2.748	1.4	594,034	13.5	307
9/14/2025	6:00:00	6.9	2.426	1.7	594,073	13.4	305
9/14/2025	6:15:00	6.9	2.767	3.1	594,110	13.3	305
9/14/2025	6:30:00	6.9	2.759	1	594,152	13.3	305
9/14/2025	7:00:00	6.8	2.752	0.8	594,192	13.3	305
9/14/2025	7:15:00	6.8	2.260	1.6	594,229	13.3	304
9/14/2025	7:30:00	6.8	2.748	0.7	594,269	13.1	305
9/14/2025	7:45:00	6.8	2.737	0.8	594,308	13.1	302
9/14/2025	8:00:00	6.8	2.755	0.5	594,345	13.1	303

Title	WoodFibre Weekly Water Discharge Report	Revision:	0
Data Date Range	September 08, 2025 to September 14, 2025	Prepared by: Approved by: Date:	SD BC2 September 19, 2025

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
9/14/2025	8:15:00	6.8	2.737	0.4	594,384	13.2	301
9/14/2025	8:30:00	6.8	2.237	0.6	594,423	13.2	301
9/14/2025	8:45:00	6.8	2.744	0.6	594,460	13.2	303
9/14/2025	9:00:00	6.8	2.714	0.5	594,501	13.2	303
9/14/2025	9:15:00	6.9	2.759	0.7	594,523	13.3	299
9/14/2025	9:30:00	6.8	2.839	0.4	594,548	13.3	301
9/14/2025	9:45:00	6.8	2.392	1.2	594,587	13.5	299
9/14/2025	10:00:00	6.8	2.854	0.6	594,628	13.5	299
9/14/2025	10:15:00	6.9	2.805	1.1	594,668	13.5	299
9/14/2025	10:30:00	6.8	2.801	0.5	594,707	13.5	299
9/14/2025	10:45:00	6.8	2.797	0.8	594,746	13.5	301
9/14/2025	11:15:00	6.8	2.797	0.7	594,810	13.5	299
9/14/2025	11:30:00	6.8	2.782	0.6	594,851	13.5	299
9/14/2025	11:45:00	6.8	2.805	0.7	594,889	13.5	299
9/14/2025	12:15:00	6.8	2.301	1.7	594,946	13.5	301
9/14/2025	12:30:00	6.8	2.782	0.8	594,985	13.5	299
9/14/2025	13:00:00	6.8	2.782	0.4	595,044	13.5	300
9/14/2025	13:15:00	6.8	2.790	0.9	595,070	13.9	298
9/14/2025	13:30:00	6.8	2.748	0.2	595,111	13.5	298
9/14/2025	13:45:00	6.8	2.771	0.4	595,147	13.6	298
9/14/2025	14:00:00	6.8	2.740	0.4	595,189	13.6	298
9/14/2025	14:30:00	6.8	2.748	0.3	595,251	13.6	298
9/14/2025	14:45:00	6.8	2.755	0.6	595,277	13.6	300
9/14/2025	15:00:00	6.8	2.774	0.5	595,316	13.6	298
9/14/2025	15:15:00	6.9	2.763	0.8	595,355	13.7	302

Title	WoodFibre Weekly Water Discharge Report	Revision:	0
Data Date Range	September 08, 2025 to September 14, 2025	Prepared by: Approved by: Date:	SD BC2 September 19, 2025

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
9/14/2025	15:45:00	6.9	2.790	0.8	595,412	13.6	301
9/14/2025	16:00:00	6.9	2.790	1.1	595,437	13.9	303
9/14/2025	17:00:00	6.9	2.790	1.5	595,479	13.7	301
9/14/2025	17:15:00	6.9	2.767	2	595,518	13.8	302
9/14/2025	17:45:00	6.9	2.767	1.4	595,579	13.8	301
9/14/2025	18:00:00	6.9	2.309	4.9	595,601	13.8	304
9/14/2025	18:15:00	6.9	2.774	1.1	595,639	13.7	304
9/14/2025	18:45:00	6.9	2.790	1	595,703	13.6	299
9/14/2025	19:00:00	6.9	2.782	1.4	595,744	13.6	299
9/14/2025	19:15:00	6.9	2.301	1.4	595,782	13.6	299
9/14/2025	19:30:00	6.9	2.767	1.3	595,822	13.6	299
9/14/2025	19:45:00	6.9	2.771	1.1	595,850	13.6	299
9/14/2025	20:00:00	6.8	2.786	0.9	595,888	13.5	298
9/14/2025	20:15:00	6.8	2.752	1.5	595,927	13.5	299
9/14/2025	20:45:00	6.9	2.763	0.9	595,982	13.5	298
9/14/2025	21:00:00	6.9	2.763	1.4	596,008	13.6	296
9/14/2025	21:15:00	6.9	2.752	1.2	596,041	13.4	298
9/14/2025	21:30:00	6.9	2.725	1.4	596,082	13.4	298
9/14/2025	21:45:00	6.9	2.241	1.4	596,119	13.4	298
9/14/2025	22:00:00	6.9	2.763	1.1	596,145	13.4	296
9/14/2025	22:15:00	6.9	2.737	1.5	596,183	13.4	296
9/14/2025	22:45:00	6.9	2.812	2	596,244	13.4	291
9/14/2025	23:00:00	6.9	2.324	3.7	596,286	13.4	291
9/14/2025	23:15:00	6.9	2.820	1.9	596,323	13.5	293
9/14/2025	23:45:00	6.9	2.805	4.6	596,382	13.6	296

		Eagle Mountain- Woodfibre Gas Pipeline Project- Tunnel Scope	
Title	WoodFibre Weekly Water Discharge Report	Revision:	0
Data Date Range	September 08, 2025 to September 14, 2025	Prepared by: Approved by: Date:	SD BC2 September 19, 2025

Table 3. In-Situ Parameters

Date	Temperature °C	DO mg/L	Conductivity SPC-uS/cm	SAL-ppt	pH	ORP (mV)	NTU
09/08/2025	14.6	9.54	132.5	0.07	7.41	120.1	4.0
09/09/2025	15.9	9.21	122.1	0.07	7.01	122.9	1.30
09/10/2025	15.1	10.3	179.9	0.07	7.02	109.5	3.29
09/11/2025	14.0	9.29	225.3	0.09	7.21	122.9	3.79
09/12/2025	11.7	11.43	234.7	0.11	7.50	315.6	3.29
09/13/2025	12.0	10.31	129.5	0.08	7.16	179.4	4.57
09/14/2025	12.6	12.31	128.4	0.08	7.11	142.4	3.81

3. Calibration Log:

Table 4. Calibration Log

Date	Unit	pH	Conductivity/Temp.	Salinity	NTU
09/10/2025	YSI	✓	✓	✓	✓
09/10/2025	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 08, 2025 to September 14, 2025	Prepared by: SD Approved by: BC2 Date: September 19, 2025	

APPENDIX A: WTP Log

Title	WoodFibre Weekly Water Discharge Report	Revision:	0
Data Date Range	September 08, 2025 to September 14, 2025	Prepared by: Approved by: Date:	SD BC2 September 19, 2025

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Valve Status	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
9/8/2025	0:00:00	7.4	2.922	3.1	575,147	Open	13.2	296
9/8/2025	0:15:00	7.5	2.850	4.1	575,190	Open	13.1	294
9/8/2025	0:30:00	7.5	2.472	31.1	575,230	Closed	13.2	294
9/8/2025	0:45:00	7.5	2.854	1.5	575,271	Open	13.2	294
9/8/2025	1:00:00	7.5	2.797	3.8	575,313	Open	13.3	294
9/8/2025	1:15:00	7.5	2.896	1.5	575,351	Open	13.2	296
9/8/2025	1:30:00	7.4	2.816	1.7	575,394	Open	13.2	296
9/8/2025	1:45:00	7.5	2.759	3.5	575,436	Open	13.2	296
9/8/2025	2:00:00	7.5	2.880	2.3	575,471	Open	13.3	293
9/8/2025	2:15:00	7.5	2.797	2.8	575,514	Open	13.6	291
9/8/2025	2:30:00	7.6	2.101	10.4	575,553	Open	13.9	289
9/8/2025	2:45:00	7.6	2.820	6.1	575,594	Open	13.9	289
9/8/2025	3:00:00	7.6	2.733	8	575,635	Open	14	288
9/8/2025	3:15:00	7.6	2.824	3	575,673	Open	14.1	288
9/8/2025	3:30:00	7.6	2.827	0	575,694	Open	14.1	288
9/8/2025	3:45:00	7.6	2.725	0.4	575,735	Open	14.1	288
9/8/2025	4:00:00	7.6	2.801	0.3	575,773	Open	14	288
9/8/2025	4:15:00	7.6	2.676	0.5	575,814	Open	14.2	288
9/8/2025	4:30:00	7.6	1.923	8.4	575,851	Open	14.3	286
9/8/2025	4:45:00	7.6	2.748	3.3	575,890	Open	14.3	288
9/8/2025	5:00:00	7.6	2.593	4.2	575,930	Open	14.2	289
9/8/2025	5:15:00	7.6	2.812	366.1	575,958	Closed	15.3	119
9/8/2025	5:30:00	7.5	2.922	0	575,996	Open	13.8	288
9/8/2025	5:45:00	7.5	2.449	4.9	576,038	Open	13.7	291

Title	WoodFibre Weekly Water Discharge Report	Revision:	0
Data Date Range	September 08, 2025 to September 14, 2025	Prepared by: Approved by: Date:	SD BC2 September 19, 2025

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Valve Status	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
9/8/2025	6:00:00	7.5	2.869	0	576,079	Open	13.5	288
9/8/2025	6:15:00	7.5	2.748	0.2	576,121	Open	13.3	288
9/8/2025	6:30:00	7.6	2.933	0.5	576,160	Open	13.3	288
9/8/2025	6:45:00	7.6	2.729	0.4	576,202	Open	13.2	286
9/8/2025	7:00:00	7.6	2.593	0.7	576,242	Open	13.1	286
9/8/2025	7:15:00	7.6	2.808	0.6	576,280	Open	13.1	286
9/8/2025	7:30:00	7.5	2.718	0.5	576,300	Open	13.2	291
9/8/2025	7:45:00	7.5	2.877	0.5	576,331	Open	12.9	291
9/8/2025	8:00:00	7.5	1.435	0.5	576,368	Open	12.9	289
9/8/2025	8:15:00	7.5	3.002	0.3	576,407	Open	12.9	286
9/8/2025	8:30:00	7.5	3.005	0.3	576,452	Open	12.9	286
9/8/2025	8:45:00	7.5	3.119	0.5	576,485	Open	12.9	284
9/8/2025	9:00:00	7.5	3.005	0.2	576,531	Open	13	284
9/8/2025	9:15:00	7.6	0.000	0.3	576,563	Closed	13.2	283
9/8/2025	9:30:00	7.6	2.975	0.4	576,589	Open	13	281
9/8/2025	9:45:00	7.6	2.975	0.4	576,633	Open	13	281
9/8/2025	10:00:00	7.7	2.521	12.1	576,676	Open	13.1	281
9/8/2025	10:15:00	7.7	2.911	0.2	576,700	Open	13.1	279
9/8/2025	10:30:00	7.7	2.850	0.4	576,743	Open	13.1	279
9/8/2025	10:45:00	7.7	2.907	0.5	576,782	Open	13.1	278
9/8/2025	11:00:00	7.8	2.820	0.4	576,824	Open	13.1	274
9/8/2025	11:15:00	7.8	0.000	0.4	576,859	Closed	13.2	276
9/8/2025	11:30:00	7.8	2.865	0.4	576,887	Open	13.2	278
9/8/2025	11:45:00	7.8	2.286	0.3	576,929	Open	13.2	278
9/8/2025	12:00:00	7.8	1.749	0.3	576,954	Open	13.2	278

Title	WoodFibre Weekly Water Discharge Report	Revision:	0
Data Date Range	September 08, 2025 to September 14, 2025	Prepared by: Approved by: Date:	SD BC2 September 19, 2025

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Valve Status	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
9/8/2025	12:15:00	7.8	2.824	0.3	576,994	Open	13.3	278
9/8/2025	12:30:00	7.8	2.786	0.3	577,036	Open	13.4	277
9/8/2025	12:45:00	7.8	2.759	0.1	577,068	Open	13.5	277
9/8/2025	13:00:00	7.8	2.759	0.3	577,110	Open	13.6	278
9/8/2025	13:15:00	7.8	1.431	1	577,150	Open	13.7	278
9/8/2025	13:30:00	7.8	2.793	0.3	577,182	Open	13.7	278
9/8/2025	13:45:00	7.8	2.733	0.2	577,224	Open	13.8	278
9/8/2025	14:00:00	7.8	1.968	0.2	577,261	Open	13.9	278
9/8/2025	14:15:00	7.8	2.899	0.3	577,301	Open	13.8	278
9/8/2025	14:30:00	7.8	2.835	0	577,344	Open	13.9	278
9/8/2025	14:45:00	7.8	2.896	0.2	577,375	Open	13.8	278
9/8/2025	15:00:00	7.8	2.827	0.2	577,418	Open	13.9	279
9/8/2025	15:15:00	7.8	2.388	0.8	577,459	Open	14	278
9/8/2025	15:30:00	7.8	2.888	0.2	577,500	Open	14	279
9/8/2025	15:45:00	7.8	2.873	0.2	577,531	Open	13.9	280
9/8/2025	16:00:00	7.9	2.812	0.2	577,574	Open	13.9	282
9/8/2025	16:15:00	7.9	1.321	2.7	577,609	Open	13.9	282
9/8/2025	16:30:00	7.6	2.869	0.2	577,647	Open	13.9	282
9/8/2025	16:45:00	7.5	2.805	0.3	577,689	Open	13.9	282
9/8/2025	17:00:00	7.4	2.873	0.2	577,728	Open	13.9	282
9/8/2025	17:15:00	7.4	2.808	0.3	577,770	Open	13.9	282
9/8/2025	17:30:00	7.4	2.729	0.2	577,812	Open	13.9	278
9/8/2025	17:45:00	7.4	2.801	0.2	577,850	Open	13.8	279
9/8/2025	18:00:00	7.4	0.000	0.2	577,883	Closed	13.9	277
9/8/2025	18:15:00	7.3	1.185	0.2	577,904	Open	13.7	277

Title	WoodFibre Weekly Water Discharge Report	Revision:	0
Data Date Range	September 08, 2025 to September 14, 2025	Prepared by: Approved by: Date:	SD BC2 September 19, 2025

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Valve Status	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
9/8/2025	18:30:00	7.4	2.827	0.2	577,941	Open	13.6	278
9/8/2025	18:45:00	7.5	2.752	0.5	577,983	Open	13.6	278
9/8/2025	19:00:00	7.6	2.725	0.3	578,017	Open	13.5	278
9/8/2025	19:15:00	7.7	2.653	0.4	578,057	Open	13.4	278
9/8/2025	19:30:00	7.7	2.093	0.6	578,096	Open	13.4	278
9/8/2025	19:45:00	7.7	2.650	0.5	578,132	Open	13.3	278
9/8/2025	20:00:00	7.7	2.562	0.6	578,171	Open	13.3	278
9/8/2025	20:15:00	7.7	2.089	0.5	578,207	Open	13.3	278
9/8/2025	20:30:00	7.7	2.559	0.8	578,244	Open	13.2	278
9/8/2025	20:45:00	7.7	2.464	1.4	578,282	Open	13.2	278
9/8/2025	21:00:00	7.7	2.619	1.7	578,316	Open	13.2	278
9/8/2025	21:15:00	7.7	2.494	1.2	578,354	Open	13.2	278
9/8/2025	21:30:00	7.8	0.000	0.3	578,388	Closed	13.2	278
9/8/2025	21:45:00	7.8	0.000	3.1	578,392	Closed	13.7	278
9/8/2025	22:00:00	7.8	0.958	0.9	578,408	Open	13.2	279
9/8/2025	22:15:00	7.7	2.790	1.4	578,450	Open	13.1	276
9/8/2025	22:30:00	7.7	0.197	2.3	578,482	Open	13.2	277
9/8/2025	22:45:00	7.7	2.668	2.1	578,516	Open	13	279
9/8/2025	23:00:00	7.7	2.210	6.9	578,546	Open	13.1	281
9/8/2025	23:15:00	7.7	2.676	5	578,584	Open	13	281
9/8/2025	23:30:00	7.7	2.578	1.9	578,623	Open	13	279
9/8/2025	23:45:00	7.7	2.676	1.5	578,658	Open	13	279
9/9/2025	0:00:00	7.7	2.574	2.1	578,697	Open	13	279
9/9/2025	0:15:00	7.7	2.668	3.1	578,730	Open	13	283
9/9/2025	0:30:00	7.8	2.192	31.8	578,761	Closed	13.5	291

Title	WoodFibre Weekly Water Discharge Report	Revision:	0
Data Date Range	September 08, 2025 to September 14, 2025	Prepared by: Approved by: Date:	SD BC2 September 19, 2025

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Valve Status	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
9/9/2025	0:45:00	7.6	3.107	3.7	578,792	Open	13	294
9/9/2025	1:00:00	7.5	2.861	1.7	578,835	Open	13	297
9/9/2025	1:15:00	6.8	2.229	1.8	578,873	Open	13.1	297
9/9/2025	1:30:00	6.8	2.820	1.1	578,901	Open	13.1	299
9/9/2025	1:45:00	7.4	2.411	1.2	578,932	Open	13	299
9/9/2025	2:00:00	7.6	0.371	1.3	578,964	Open	13.1	299
9/9/2025	2:15:00	7.5	2.835	1.2	579,001	Open	12.9	297
9/9/2025	2:45:00	7.5	2.831	1.4	579,070	Open	12.9	294
9/9/2025	3:00:00	7.6	2.725	1	579,099	Open	13.1	294
9/9/2025	3:15:00	7.5	2.358	0.9	579,138	Open	12.9	292
9/9/2025	3:30:00	7.5	2.918	5.8	579,172	Open	12.9	293
9/9/2025	3:45:00	7.5	2.888	0.7	579,216	Open	13.1	293
9/9/2025	4:00:00	7	2.192	0.7	579,250	Open	13.1	293
9/9/2025	4:15:00	6.8	2.888	0.5	579,292	Open	13.2	294
9/9/2025	4:30:00	7.5	2.483	1	579,334	Open	13.2	294
9/9/2025	4:45:00	7.5	2.419	0.8	579,375	Open	13.2	294
9/9/2025	5:00:00	7.5	2.888	1.1	579,415	Open	13.2	294
9/9/2025	5:15:00	7.5	2.865	1.2	579,454	Open	13.2	294
9/9/2025	5:30:00	6.9	2.173	0.5	579,473	Closed	13.3	294
9/9/2025	5:45:00	6.9	2.892	0.8	579,473	Closed	13.2	294
9/9/2025	6:00:00	6.9	2.835	0.7	579,484	Open	13.2	294
9/9/2025	6:15:00	7.5	2.388	1.6	579,523	Open	13.2	293
9/9/2025	6:30:00	7.5	2.831	1.2	579,564	Open	13.1	289
9/9/2025	6:45:00	7.5	2.453	1.4	579,591	Open	13.1	289
9/9/2025	7:00:00	7.5	2.381	1.3	579,630	Open	13.1	289

Title	WoodFibre Weekly Water Discharge Report	Revision:	0
Data Date Range	September 08, 2025 to September 14, 2025	Prepared by: Approved by: Date:	SD BC2 September 19, 2025

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Valve Status	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
9/9/2025	7:15:00	7.4	0.231	1.2	579,667	Closed	13.2	284
9/9/2025	7:30:00	7.5	2.771	0.5	579,700	Open	13.1	286
9/9/2025	7:45:00	7.5	2.385	0.9	579,738	Open	13.1	284
9/9/2025	8:00:00	7.5	2.771	0.4	579,776	Open	13.1	282
9/9/2025	8:15:00	7.4	2.752	0.6	579,802	Open	13.1	282
9/9/2025	8:30:00	6.9	2.790	1.4	579,830	Open	13.3	282
9/9/2025	8:45:00	7.5	2.744	4	579,871	Open	13.2	280
9/9/2025	9:00:00	7.5	2.752	1.1	579,904	Open	13.2	280
9/9/2025	9:15:00	7.4	2.816	1.6	579,927	Open	13.3	280
9/9/2025	9:30:00	7.6	0.148	0.4	579,960	Closed	13.4	280
9/9/2025	9:45:00	7.5	2.793	0.4	579,997	Open	13.3	280
9/9/2025	10:00:00	7.6	2.411	1.1	580,034	Open	13.3	278
9/9/2025	10:15:00	7.6	2.790	1.4	580,074	Open	13.3	278
9/9/2025	10:30:00	7.6	2.381	1.6	580,116	Open	13.4	278
9/9/2025	10:45:00	7.7	0.136	3.4	580,146	Closed	13.6	278
9/9/2025	11:00:00	7.7	2.797	5	580,183	Open	13.6	280
9/9/2025	11:15:00	7.6	2.347	8.6	580,220	Open	13.7	285
9/9/2025	11:30:00	7.5	2.812	7.7	580,259	Open	13.7	287
9/9/2025	11:45:00	7.4	2.358	12.2	580,298	Open	13.9	288
9/9/2025	12:00:00	7.5	0.500	7.5	580,322	Closed	14.2	288
9/9/2025	12:15:00	7.4	2.426	10.8	580,360	Open	14.1	292
9/9/2025	12:30:00	7.3	2.824	11.8	580,395	Open	14.1	292
9/9/2025	12:45:00	7.4	2.415	11.7	580,436	Open	14.1	288
9/9/2025	13:00:00	7.5	2.816	14.2	580,471	Open	14.1	288
9/9/2025	13:15:00	7.6	2.415	9	580,502	Open	14.1	289

Title	WoodFibre Weekly Water Discharge Report	Revision:	0
Data Date Range	September 08, 2025 to September 14, 2025	Prepared by: Approved by: Date:	SD BC2 September 19, 2025

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Valve Status	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
9/9/2025	13:30:00	7.5	2.362	6.6	580,539	Open	14.2	292
9/9/2025	13:45:00	7.4	2.812	10.9	580,580	Open	14.2	292
9/9/2025	14:00:00	7.4	2.142	24.7	580,591	Closed	14.5	296
9/9/2025	14:15:00	7.5	2.865	16.6	580,625	Open	14.4	296
9/9/2025	14:30:00	7.5	1.416	8.5	580,658	Open	14.3	295
9/9/2025	14:45:00	7.5	2.755	4.1	580,690	Open	14.3	297
9/9/2025	15:00:00	7.5	0.696	4.1	580,722	Closed	14.3	296
9/9/2025	15:15:00	7.4	2.767	5.4	580,756	Open	14.3	293
9/9/2025	15:30:00	7.4	2.475	1.2	580,789	Open	14.4	292
9/9/2025	15:45:00	7.4	2.865	0.7	580,826	Open	14.4	292
9/9/2025	16:00:00	7.5	2.453	1	580,869	Open	14.4	292
9/9/2025	16:15:00	7	2.218	25.1	580,877	Closed	15.1	291
9/9/2025	16:30:00	6.8	2.858	0.7	580,916	Open	14.5	289
9/9/2025	16:45:00	6.9	2.400	1.6	580,954	Open	14.5	287
9/9/2025	17:00:00	6.9	2.846	1.4	580,995	Open	14.4	287
9/9/2025	17:15:00	6.9	2.403	1.4	581,028	Open	14.5	287
9/9/2025	17:30:00	6.9	2.820	0.1	581,057	Open	14.4	287
9/9/2025	17:45:00	6.9	2.192	1.3	581,092	Closed	14.3	286
9/9/2025	18:00:00	6.9	2.846	0.4	581,118	Open	14.2	286
9/9/2025	18:15:00	6.9	2.441	1	581,147	Open	14.5	283
9/9/2025	18:30:00	7	0.167	1.7	581,176	Closed	14.3	283
9/9/2025	18:45:00	6.9	2.438	2	581,214	Open	14.1	283
9/9/2025	19:00:00	6.9	2.388	3	581,239	Open	14.2	284
9/9/2025	19:15:00	6.9	2.843	2.4	581,269	Open	14	282
9/9/2025	19:30:00	7	0.174	2	581,295	Closed	14.2	282

Title	WoodFibre Weekly Water Discharge Report	Revision:	0
Data Date Range	September 08, 2025 to September 14, 2025	Prepared by: Approved by: Date:	SD BC2 September 19, 2025

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Valve Status	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
9/9/2025	19:45:00	6.9	2.835	0.3	581,334	Open	13.8	278
9/9/2025	20:00:00	6.9	2.377	0.7	581,361	Open	13.7	278
9/9/2025	20:15:00	6.9	2.854	0.5	581,386	Open	13.7	278
9/9/2025	20:30:00	6.9	0.912	0.4	581,412	Closed	13.9	275
9/9/2025	20:45:00	7	0.000	0.6	581,440	Closed	13.7	275
9/9/2025	21:00:00	6.9	1.631	1	581,440	Closed	13.5	275
9/9/2025	21:15:00	7	0.723	0.7	581,440	Closed	13.8	275
9/9/2025	21:30:00	6.9	2.487	1.5	581,477	Open	13.5	280
9/9/2025	21:45:00	6.9	2.438	1.5	581,514	Open	13.6	280
9/9/2025	22:00:00	6.9	2.850	0.7	581,557	Open	13.5	280
9/9/2025	22:15:00	6.9	2.460	2	581,595	Open	13.6	280
9/9/2025	22:30:00	6.9	0.155	0.7	581,632	Closed	13.5	280
9/9/2025	22:45:00	6.9	2.422	5.3	581,662	Open	13.6	280
9/9/2025	23:00:00	6.9	2.869	1.9	581,687	Open	13.7	282
9/9/2025	23:15:00	6.9	2.483	3.1	581,712	Open	14	282
9/9/2025	23:30:00	6.9	2.850	3.2	581,751	Open	13.7	284
9/9/2025	23:45:00	6.9	0.000	2.4	581,785	Closed	13.8	288
9/10/2025	0:00:00	6.8	2.824	4	581,811	Open	13.6	298
9/10/2025	0:15:00	6.9	0.000	4.9	581,851	Closed	13.6	303
9/10/2025	0:30:00	6.8	2.347	6.5	581,876	Open	13.7	308
9/10/2025	0:45:00	6.7	2.808	7	581,904	Open	13.7	317
9/10/2025	1:00:00	6.6	2.869	12.5	581,932	Open	13.6	325
9/10/2025	1:15:00	6.8	2.843	8.4	581,975	Open	13.6	329
9/10/2025	1:30:00	6.9	2.449	9	582,016	Open	13.7	329
9/10/2025	1:45:00	6.9	2.839	2.5	582,045	Open	13.6	328

Title WoodFibre Weekly Water Discharge Report

Revision:
0
Data Date Range
September 08, 2025 to September 14, 2025
Prepared by:
SD
Approved by:
BC2
Date:
September 19, 2025

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Valve Status	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
9/10/2025	2:00:00	7	0.000	3.4	582,079	Closed	13.7	328
9/10/2025	2:15:00	7	0.000	3	582,103	Closed	13.8	327
9/10/2025	2:30:00	6.9	0.000	4.2	582,137	Closed	13.6	321
9/10/2025	2:45:00	6.9	2.369	5.9	582,162	Open	13.7	318
9/10/2025	3:00:00	6.9	2.824	4.9	582,204	Open	13.6	317
9/10/2025	3:15:00	7	2.373	7.9	582,241	Open	13.7	313
9/10/2025	3:30:00	7	2.782	8.5	582,282	Open	13.6	310
9/10/2025	3:45:00	7	1.745	5.2	582,316	Open	13.4	299
9/10/2025	4:00:00	7	2.816	3.2	582,353	Open	13.3	300
9/10/2025	4:15:00	7	0.000	4.6	582,387	Closed	13.4	297
9/10/2025	4:30:00	6.9	2.820	4.3	582,420	Open	13.3	298
9/10/2025	4:45:00	6.7	2.415	6.7	582,461	Open	13.3	299
9/10/2025	5:00:00	6.8	2.839	6.3	582,487	Open	13.3	299
9/10/2025	5:15:00	6.9	0.000	3.4	582,517	Closed	13.5	299
9/10/2025	5:30:00	6.9	2.089	9.3	582,537	Closed	13.7	299
9/10/2025	5:45:00	6.9	2.805	4.2	582,537	Closed	13.3	299
9/10/2025	6:00:00	6.9	2.354	7.8	582,558	Open	13.5	298
9/10/2025	6:15:00	6.9	0.000	9	582,595	Closed	13.4	298
9/10/2025	6:30:00	6.9	1.287	4.2	582,614	Open	13.3	298
9/10/2025	6:45:00	6.9	2.843	3.8	582,652	Open	13.3	296
9/10/2025	7:00:00	6.9	2.438	3.3	582,691	Open	13.5	296
9/10/2025	7:15:00	6.9	2.839	4.3	582,730	Open	13.5	293
9/10/2025	7:30:00	6.9	2.430	4.7	582,770	Open	13.6	293
9/10/2025	7:45:00	6.9	2.824	1.9	582,807	Open	13.6	292
9/10/2025	8:00:00	7	0.000	1.9	582,845	Closed	13.6	288

Title	WoodFibre Weekly Water Discharge Report	Revision:	0
Data Date Range	September 08, 2025 to September 14, 2025	Prepared by: Approved by: Date:	SD BC2 September 19, 2025

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Valve Status	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
9/10/2025	8:15:00	6.9	2.812	3.2	582,877	Open	13.6	288
9/10/2025	8:30:00	6.9	2.816	5.4	582,905	Open	13.7	288
9/10/2025	8:45:00	6.9	2.827	4.8	582,933	Open	13.8	288
9/10/2025	9:00:00	6.9	2.786	3.2	582,975	Open	13.6	288
9/10/2025	9:15:00	6.9	2.763	3.2	583,000	Open	13.7	288
9/10/2025	9:30:00	6.9	2.729	3.8	583,041	Open	13.6	288
9/10/2025	9:45:00	6.9	2.332	9.5	583,069	Open	13.7	288
9/10/2025	10:00:00	6.9	2.706	2.8	583,110	Open	13.6	288
9/10/2025	10:15:00	6.9	1.703	3	583,133	Open	13.7	288
9/10/2025	10:30:00	6.8	2.642	4	583,169	Open	13.6	288
9/10/2025	10:45:00	6.8	2.184	10.2	583,207	Open	13.6	288
9/10/2025	11:00:00	6.8	2.604	5.8	583,222	Closed	13.6	288
9/10/2025	11:15:00	6.9	0.568	8	583,222	Closed	13.8	288
9/10/2025	11:30:00	6.8	2.562	5.8	583,222	Closed	13.8	288
9/10/2025	11:45:00	6.8	2.604	5	583,235	Open	13.9	288
9/10/2025	12:00:00	6.8	2.631	3.4	583,267	Open	14	287
9/10/2025	12:15:00	6.7	2.657	2.8	583,296	Open	14	288
9/10/2025	12:30:00	6.8	1.673	6.1	583,330	Open	14	287
9/10/2025	12:45:00	6.8	2.755	3.8	583,361	Open	14.1	286
9/10/2025	13:00:00	6.9	2.498	3.9	583,402	Open	14.3	287
9/10/2025	13:15:00	6.9	2.661	6	583,440	Open	14.4	287
9/10/2025	13:30:00	6.9	2.203	3.6	583,479	Open	14.3	287
9/10/2025	13:45:00	6.9	2.142	5.5	583,504	Open	14.4	287
9/10/2025	14:00:00	6.8	2.661	2.2	583,543	Open	14.3	287
9/10/2025	14:15:00	6.8	2.161	5.9	583,578	Open	14.4	291

Title	WoodFibre Weekly Water Discharge Report	Revision:	0
Data Date Range	September 08, 2025 to September 14, 2025	Prepared by: Approved by: Date:	SD BC2 September 19, 2025

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Valve Status	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
9/10/2025	14:30:00	6.9	2.665	5	583,615	Open	14.4	287
9/10/2025	14:45:00	6.9	2.184	9.4	583,644	Open	14.5	287
9/10/2025	15:00:00	6.8	2.680	9.7	583,680	Open	14.4	294
9/10/2025	15:15:00	6.7	1.741	8.4	583,712	Open	14.4	299
9/10/2025	15:30:00	6.7	2.691	8.9	583,749	Open	14.4	304
9/10/2025	15:45:00	6.9	0.000	18.1	583,784	Closed	14.5	313
9/10/2025	16:00:00	7	2.771	11	583,809	Open	14.4	325
9/10/2025	16:15:00	7.2	2.316	20.1	583,850	Open	14.4	338
9/10/2025	16:30:00	7.3	2.366	19.4	583,879	Open	14.4	355
9/10/2025	16:45:00	7.4	2.381	29.7	583,909	Closed	14.3	376
9/10/2025	17:00:00	7.3	1.715	48.8	583,909	Closed	14.4	406
9/10/2025	17:15:00	7.2	2.774	14.4	583,943	Open	14.4	428
9/10/2025	17:30:00	7.1	2.297	11.4	583,973	Open	14.4	437
9/10/2025	17:45:00	7	2.752	2.4	584,007	Open	14.3	445
9/10/2025	18:00:00	7.1	0.000	2	584,039	Closed	14.4	438
9/10/2025	18:15:00	6.8	2.793	1.7	584,074	Open	14.1	430
9/10/2025	18:30:00	7	1.347	1.3	584,109	Open	14	412
9/10/2025	18:45:00	8	2.733	11.5	584,136	Open	14.2	396
9/10/2025	19:00:00	8.1	2.388	24.2	584,142	Closed	14.1	473
9/10/2025	19:15:00	8.7	2.237	55.3	584,150	Closed	14.1	528
9/10/2025	19:30:00	7.8	2.820	73.2	584,150	Closed	14	537
9/10/2025	19:45:00	7.6	0.000	80.7	584,151	Closed	15.4	261
9/10/2025	20:00:00	7.6	1.124	77.3	584,154	Closed	13.8	499
9/10/2025	20:15:00	7.8	2.964	11.3	584,166	Open	13.8	472
9/10/2025	20:30:00	7.4	1.802	68.2	584,188	Closed	13.3	471

Title	WoodFibre Weekly Water Discharge Report	Revision:	0
Data Date Range	September 08, 2025 to September 14, 2025	Prepared by: Approved by: Date:	SD BC2 September 19, 2025

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Valve Status	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
9/10/2025	20:45:00	7.4	1.306	14.4	584,203	Open	13.3	471
9/10/2025	21:00:00	6.4	2.774	4.4	584,229	Closed	13.3	452
9/10/2025	21:15:00	6.4	2.157	2	584,229	Closed	13.2	434
9/10/2025	21:30:00	6.4	2.808	1.5	584,250	Open	13.3	426
9/10/2025	21:45:00	6.4	2.067	2.1	584,286	Open	13.3	406
9/10/2025	22:00:00	6.5	2.528	3	584,320	Open	13.1	409
9/10/2025	22:15:00	6.5	1.893	7.8	584,355	Open	13.1	406
9/10/2025	22:30:00	6.7	2.521	5.2	584,390	Open	13.1	406
9/10/2025	22:45:00	7	1.874	10.4	584,425	Open	13.1	406
9/10/2025	23:00:00	7.1	2.786	5.8	584,460	Open	13.1	407
9/10/2025	23:15:00	7.2	2.214	6.2	584,501	Open	13.2	411
9/10/2025	23:30:00	7.3	2.782	5.1	584,538	Open	13.2	416
9/10/2025	23:45:00	6.9	2.366	5.5	584,580	Open	13.2	416
9/11/2025	0:00:00	6.8	2.763	3.4	584,616	Open	13.3	420
9/11/2025	0:15:00	6.7	2.369	8.6	584,657	Open	13.3	421
9/11/2025	0:30:00	6.9	0.337	6.9	584,687	Open	13.4	421
9/11/2025	0:45:00	6.9	2.385	4.8	584,723	Open	13.3	420
9/11/2025	1:00:00	7	2.347	6.3	584,749	Open	13.3	419
9/11/2025	1:15:00	7.2	2.407	9.7	584,779	Open	13.3	421
9/11/2025	1:30:00	7.1	2.362	8.1	584,816	Open	13.2	421
9/11/2025	1:45:00	7.1	1.336	4.3	584,845	Open	13.1	414
9/11/2025	2:00:00	7	2.843	11.5	584,887	Open	13.1	412
9/11/2025	2:15:00	8.4	1.045	17.1	584,905	Open	13.1	410
9/11/2025	2:30:00	7	2.911	13.3	584,939	Open	13.1	409
9/11/2025	2:45:00	6.6	0.409	7.1	584,971	Open	13.3	414

Title	WoodFibre Weekly Water Discharge Report	Revision:	0
Data Date Range	September 08, 2025 to September 14, 2025	Prepared by: Approved by: Date:	SD BC2 September 19, 2025

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Valve Status	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
9/11/2025	3:00:00	6.5	2.873	6.9	585,008	Open	13.1	414
9/11/2025	3:15:00	6.4	2.880	5.2	585,040	Open	13.1	416
9/11/2025	3:30:00	6.3	2.907	6.4	585,068	Open	13.1	417
9/11/2025	3:45:00	6.6	2.877	6.1	585,111	Open	13.1	419
9/11/2025	4:00:00	7.1	0.458	11.8	585,147	Open	13.1	421
9/11/2025	4:15:00	7	2.869	11.4	585,181	Open	13.1	421
9/11/2025	4:30:00	6.8	1.514	14.9	585,215	Open	13.1	422
9/11/2025	4:45:00	6.6	2.865	6	585,249	Open	13.1	422
9/11/2025	5:00:00	6.8	2.411	11.5	585,290	Open	13.1	422
9/11/2025	5:15:00	7	2.858	10.2	585,328	Open	13	422
9/11/2025	5:30:00	7	1.775	12.3	585,358	Open	13	424
9/11/2025	5:45:00	6.8	2.426	11.7	585,392	Open	13	424
9/11/2025	6:00:00	6.7	2.835	4.8	585,421	Open	13	427
9/11/2025	6:30:00	6.6	2.786	5.2	585,480	Closed	13	429
9/11/2025	6:45:00	6.5	2.820	3	585,482	Closed	13	427
9/11/2025	7:00:00	6.4	2.839	3.1	585,513	Open	13	429
9/11/2025	7:15:00	6.4	2.816	4.1	585,552	Open	13	429
9/11/2025	7:30:00	6.4	2.430	4.8	585,592	Open	13	429
9/11/2025	7:45:00	6.4	2.373	5	585,631	Open	13	427
9/11/2025	8:00:00	6.4	2.411	6.9	585,671	Open	13	429
9/11/2025	8:15:00	6.4	2.385	11.3	585,702	Open	13.1	429
9/11/2025	8:30:00	6.4	2.812	10	585,741	Open	13.1	429
9/11/2025	8:45:00	6.5	0.326	16.4	585,775	Open	13.1	427
9/11/2025	9:00:00	7	2.808	31.6	585,808	Open	13.7	432
9/11/2025	9:15:00	6.3	2.434	8.5	585,848	Open	13.3	429

Title WoodFibre Weekly Water Discharge Report

Revision:
0
Data Date Range
September 08, 2025 to September 14, 2025
Prepared by:
SD
Approved by:
BC2
Date:
September 19, 2025

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Valve Status	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
9/11/2025	9:30:00	6.6	2.812	5.5	585,886	Open	13.2	429
9/11/2025	9:45:00	6.9	2.392	11.3	585,914	Closed	13.3	427
9/11/2025	10:00:00	7	2.233	10.4	585,922	Open	13.3	427
9/11/2025	10:15:00	6.9	2.665	5.6	585,963	Open	13.3	428
9/11/2025	10:30:00	6.6	2.169	6.5	585,997	Open	13.4	426
9/11/2025	10:45:00	-0.4	2.684	25.1	586,019	Open	13.3	423
9/11/2025	11:00:00	-0.4	2.070	85.4	586,056	Open	13.7	428
9/11/2025	11:15:00	6.9	2.687	3.2	586,086	Open	13.4	388
9/11/2025	11:30:00	7	2.222	10.3	586,125	Open	13.3	385
9/11/2025	11:45:00	7	0.617	7.1	586,150	Closed	13.5	383
9/11/2025	12:00:00	7.1	2.676	9.5	586,188	Open	13.5	380
9/11/2025	12:15:00	7.1	2.665	8.1	586,214	Open	13.6	377
9/11/2025	12:30:00	7.2	0.678	6.4	586,253	Closed	13.6	374
9/11/2025	12:45:00	7.2	2.195	6.4	586,272	Open	13.7	372
9/11/2025	13:00:00	7.1	2.661	5.9	586,312	Open	13.7	369
9/11/2025	13:15:00	7.1	1.351	4.2	586,344	Open	13.7	367
9/11/2025	13:30:00	7.3	2.691	7.6	586,374	Open	13.7	359
9/11/2025	13:45:00	6.9	0.352	3.1	586,407	Closed	13.9	354
9/11/2025	14:00:00	6.5	2.695	3.7	586,432	Open	13.9	354
9/11/2025	14:15:00	6.6	2.233	5.5	586,472	Open	14	354
9/11/2025	14:30:00	6.8	2.263	10.4	586,494	Open	14.3	349
9/11/2025	14:45:00	7	2.680	6.1	586,534	Open	14.1	346
9/11/2025	15:00:00	7	2.048	4.2	586,565	Closed	14.2	346
9/11/2025	15:15:00	7	2.699	5.7	586,589	Open	14.2	346
9/11/2025	15:30:00	7	2.684	5.2	586,626	Open	14.1	346

Title	WoodFibre Weekly Water Discharge Report	Revision:	0
Data Date Range	September 08, 2025 to September 14, 2025	Prepared by: Approved by: Date:	SD BC2 September 19, 2025

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Valve Status	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
9/11/2025	15:45:00	7	2.687	5.2	586,655	Open	14.1	346
9/11/2025	16:00:00	7	2.260	7.2	586,692	Open	14.1	344
9/11/2025	16:15:00	7	2.260	7.2	586,716	Open	14.1	344
9/11/2025	16:30:00	7	1.234	9	586,736	Open	14.2	344
9/11/2025	16:45:00	6.9	2.328	2.3	586,768	Open	14.1	344
9/11/2025	17:00:00	6.5	2.267	2.1	586,800	Open	14	343
9/11/2025	17:15:00	6.6	2.733	2	586,837	Open	14	341
9/11/2025	17:30:00	6.8	2.752	1.9	586,875	Open	14	341
9/11/2025	17:45:00	7	2.748	3	586,907	Open	14	341
9/11/2025	18:00:00	7	2.294	3.2	586,941	Open	14	341
9/11/2025	18:15:00	7.1	2.737	2.2	586,977	Open	13.9	341
9/11/2025	18:30:00	7.1	2.332	4.6	587,000	Open	13.9	341
9/11/2025	18:45:00	7.2	2.271	3.3	587,036	Open	13.9	341
9/11/2025	19:00:00	7.2	2.729	5	587,067	Open	13.8	341
9/11/2025	19:15:00	7.2	2.260	4.1	587,103	Open	13.8	341
9/11/2025	19:30:00	7.2	2.725	4.3	587,141	Open	13.7	341
9/11/2025	19:45:00	7.1	2.373	7.3	587,148	Closed	13.8	339
9/11/2025	20:00:00	7	2.850	1.6	587,163	Open	13.8	339
9/11/2025	20:15:00	7	2.460	4.7	587,204	Open	13.7	339
9/11/2025	20:30:00	7.1	0.958	2.2	587,228	Closed	13.9	339
9/11/2025	20:45:00	7	2.812	1.9	587,269	Open	13.6	339
9/11/2025	21:00:00	7	2.820	2.3	587,288	Open	13.7	340
9/11/2025	21:15:00	7	3.066	21.3	587,301	Open	13.7	322
9/11/2025	21:30:00	7.1	1.650	402	587,325	Open	13.6	114
9/11/2025	21:45:00	7.3	2.725	402.3	587,351	Open	15.5	113

Title WoodFibre Weekly Water Discharge Report

Revision:
0
Data Date Range September 08, 2025 to September 14, 2025

Prepared by:
SD
Approved by:
BC2
Date:
September 19, 2025

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Valve Status	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
9/11/2025	22:00:00	7	2.127	2.4	587,388	Open	13.2	284
9/11/2025	22:15:00	7	2.797	2	587,427	Open	13.1	289
9/11/2025	22:30:00	7	2.226	4.9	587,467	Open	13.1	291
9/11/2025	22:45:00	7	2.808	2	587,496	Open	13.1	292
9/11/2025	23:00:00	7	2.767	2.5	587,538	Open	13.1	294
9/11/2025	23:15:00	7	2.831	3	587,561	Open	13.2	296
9/11/2025	23:30:00	7	2.793	3.6	587,604	Open	13.2	296
9/11/2025	23:45:00	7	2.434	3.3	587,625	Open	13.3	299
9/12/2025	0:00:00	7	0.367	3.5	587,662	Closed	13.2	299
9/12/2025	0:15:00	7	0.428	2	587,683	Closed	13.3	299
9/12/2025	0:30:00	7	0.519	3.4	587,708	Closed	13.2	299
9/12/2025	0:45:00	7	2.354	3.6	587,732	Open	13.3	303
9/12/2025	1:00:00	7	2.805	4.4	587,770	Open	13.2	303
9/12/2025	1:15:00	7.1	0.310	5.1	587,801	Closed	13.4	303
9/12/2025	1:30:00	7	2.650	4	587,831	Open	13.3	304
9/12/2025	1:45:00	7	2.816	5.9	587,861	Open	13.4	304
9/12/2025	2:00:00	6.9	2.419	5.2	587,898	Open	13.3	304
9/12/2025	2:15:00	6.8	2.801	7	587,938	Open	13.2	304
9/12/2025	2:30:00	6.8	0.310	10.6	587,968	Closed	13.4	304
9/12/2025	2:45:00	6.3	2.657	11.7	588,001	Closed	13.2	305
9/12/2025	3:00:00	5.5	2.199	9.6	588,001	Closed	13.3	324
9/12/2025	3:15:00	5	2.778	6.1	588,001	Closed	13.3	344
9/12/2025	3:30:00	4.7	2.222	9.5	588,001	Closed	13.2	364
9/12/2025	3:45:00	4.7	2.475	8.3	588,001	Closed	13.2	380
9/12/2025	4:00:00	5	1.957	8.9	588,001	Closed	13.1	371

Title	WoodFibre Weekly Water Discharge Report	Revision:	0
Data Date Range	September 08, 2025 to September 14, 2025	Prepared by: Approved by: Date:	SD BC2 September 19, 2025

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Valve Status	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
9/12/2025	4:15:00	5.6	2.638	6	588,001	Closed	13.1	348
9/12/2025	4:30:00	6	2.570	6.3	588,001	Closed	13	368
9/12/2025	4:45:00	6.3	2.816	5.3	588,007	Open	12.9	370
9/12/2025	5:00:00	6.6	2.831	7	588,047	Open	13	368
9/12/2025	5:15:00	6.7	2.824	6.1	588,085	Open	13	370
9/12/2025	5:30:00	6.8	2.434	11.5	588,126	Open	13	368
9/12/2025	5:45:00	6.9	0.333	13.9	588,160	Open	13.1	363
9/12/2025	6:00:00	6.9	1.601	4.4	588,186	Open	13.1	315
9/12/2025	6:15:00	7	1.703	5	588,220	Open	12.9	328
9/12/2025	6:30:00	7.1	2.434	3.2	588,258	Open	12.9	331
9/12/2025	6:45:00	7.1	2.366	9.5	588,297	Open	12.9	333
9/12/2025	7:00:00	7	2.782	4.9	588,336	Open	12.9	337
9/12/2025	7:15:00	7	2.793	4.6	588,374	Open	13	337
9/12/2025	7:30:00	7	2.782	6.4	588,402	Open	13	337
9/12/2025	7:45:00	7	2.400	5.4	588,441	Open	13.1	337
9/12/2025	8:00:00	7	2.782	4	588,478	Open	13.1	335
9/12/2025	8:15:00	7	2.396	3	588,519	Open	13.2	339
9/12/2025	8:30:00	6.9	2.286	3.7	588,555	Open	13.2	339
9/12/2025	8:45:00	6.8	2.782	5.2	588,586	Open	13.2	339
9/12/2025	9:00:00	6.9	2.373	6.3	588,623	Open	13.4	339
9/12/2025	9:15:00	7.1	2.774	5.7	588,663	Open	13.5	340
9/12/2025	9:30:00	7.1	2.528	8.5	588,702	Open	13.6	339
9/12/2025	9:45:00	7.1	2.782	7	588,740	Open	13.6	339
9/12/2025	10:00:00	7.1	2.426	7.5	588,770	Open	13.6	339
9/12/2025	10:15:00	7.1	2.373	9.2	588,807	Open	13.6	339

Title	WoodFibre Weekly Water Discharge Report	Revision:	0
Data Date Range	September 08, 2025 to September 14, 2025	Prepared by: Approved by: Date:	SD BC2 September 19, 2025

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Valve Status	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
9/12/2025	10:30:00	7.1	2.782	4.3	588,848	Open	13.5	339
9/12/2025	10:45:00	7.3	2.509	3.8	588,885	Open	13.5	339
9/12/2025	11:00:00	7.4	2.782	4.7	588,925	Open	13.4	339
9/12/2025	11:15:00	7.4	2.199	10.1	588,954	Open	13.8	339
9/12/2025	11:30:00	7.5	2.797	4.9	588,992	Open	13.6	340
9/12/2025	11:45:00	7.4	2.403	8	589,033	Open	13.6	340
9/12/2025	12:00:00	7.3	2.797	7.9	589,060	Open	13.7	340
9/12/2025	12:15:00	7.3	2.759	5.2	589,102	Open	13.7	340
9/12/2025	12:30:00	7.2	2.790	14.5	589,138	Open	13.8	340
9/12/2025	12:45:00	7.2	2.755	10.1	589,179	Open	13.8	341
9/12/2025	13:00:00	7.2	1.158	20.7	589,203	Closed	14	339
9/12/2025	13:15:00	7.1	2.578	11.3	589,236	Closed	13.9	339
9/12/2025	13:30:00	7.1	1.389	13.6	589,265	Open	13.9	338
9/12/2025	13:45:00	7.1	2.668	19.6	589,297	Open	13.9	336
9/12/2025	14:00:00	7.1	2.237	14.7	589,323	Open	14	336
9/12/2025	14:15:00	7.1	2.676	4.4	589,358	Open	13.9	336
9/12/2025	14:30:00	7.1	2.668	4.9	589,386	Open	13.9	336
9/12/2025	14:45:00	7.1	0.000	6.2	589,416	Closed	14	334
9/12/2025	15:00:00	7.1	2.665	5.2	589,448	Open	13.9	334
9/12/2025	15:15:00	7.1	2.248	4.5	589,483	Open	14	334
9/12/2025	15:30:00	7.1	2.668	8.5	589,511	Open	14	334
9/12/2025	15:45:00	7	1.491	7.2	589,541	Closed	13.9	331
9/12/2025	16:00:00	7.1	2.820	5	589,563	Open	14	333
9/12/2025	16:15:00	7.2	2.362	8.2	589,603	Open	14	333
9/12/2025	16:30:00	7.2	2.456	6.2	589,627	Open	14	331

Title	WoodFibre Weekly Water Discharge Report	Revision:	0
Data Date Range	September 08, 2025 to September 14, 2025	Prepared by: Approved by: Date:	SD BC2 September 19, 2025

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Valve Status	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
9/12/2025	16:45:00	7.1	0.000	9.9	589,664	Closed	14	331
9/12/2025	17:00:00	7.1	2.438	9.5	589,690	Open	14	331
9/12/2025	17:15:00	7.1	2.843	17.8	589,714	Open	14.2	329
9/12/2025	17:30:00	7.1	0.125	7.5	589,740	Closed	14	331
9/12/2025	17:45:00	7.1	0.000	7.3	589,774	Closed	13.9	331
9/12/2025	18:00:00	7	2.801	8	589,803	Open	13.8	331
9/12/2025	18:15:00	7.1	1.355	3.5	589,832	Closed	14	331
9/12/2025	18:30:00	7	2.218	2.8	589,868	Open	13.7	331
9/12/2025	18:45:00	7	0.083	2.8	589,894	Closed	13.8	329
9/12/2025	19:00:00	7	2.218	4.2	589,928	Open	13.7	330
9/12/2025	19:15:00	7	2.695	4.3	589,950	Open	13.8	330
9/12/2025	19:30:00	7	2.210	5.3	589,986	Open	13.6	331
9/12/2025	19:45:00	7	2.699	3.9	590,010	Open	13.8	331
9/12/2025	20:00:00	7	2.248	3.2	590,045	Open	13.5	331
9/12/2025	20:15:00	7	2.574	1.6	590,059	Closed	13.4	330
9/12/2025	20:30:00	7	2.256	5.9	590,072	Open	13.5	329
9/12/2025	20:45:00	7	2.634	7	590,092	Open	13.6	329
9/12/2025	21:00:00	7	0.651	8.6	590,105	Closed	13.9	329
9/12/2025	21:15:00	7	1.503	3.1	590,114	Open	13.7	299
9/12/2025	21:30:00	7	0.700	3.6	590,154	Closed	13.2	300
9/12/2025	21:45:00	6.9	1.726	4.1	590,176	Open	13	300
9/12/2025	22:00:00	7	2.744	6.5	590,215	Open	13	300
9/12/2025	22:15:00	7	0.492	7.3	590,250	Closed	13.1	300
9/12/2025	22:30:00	7	2.752	7.5	590,280	Open	13.2	297
9/12/2025	22:45:00	7.1	0.526	9.2	590,318	Closed	13.2	298

Title	WoodFibre Weekly Water Discharge Report	Revision:	0
Data Date Range	September 08, 2025 to September 14, 2025	Prepared by: Approved by: Date:	SD BC2 September 19, 2025

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Valve Status	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
9/12/2025	23:00:00	7	2.767	3.5	590,339	Open	13.3	297
9/12/2025	23:15:00	7	2.752	10.7	590,369	Open	13.2	297
9/12/2025	23:30:00	7	2.759	6.8	590,395	Open	13.3	297
9/12/2025	23:45:00	7	1.302	1.5	590,426	Open	13.2	298
9/13/2025	0:00:00	7	2.589	5.2	590,449	Open	13.3	299
9/13/2025	0:15:00	7.1	0.344	4.6	590,483	Closed	13.2	299
9/13/2025	0:30:00	7.2	0.379	14.3	590,511	Closed	13.2	299
9/13/2025	0:45:00	7.3	0.265	11.6	590,531	Closed	13.2	299
9/13/2025	1:00:00	7.2	2.282	13.5	590,543	Open	13.3	299
9/13/2025	1:15:00	7.1	2.733	3	590,564	Open	13.2	300
9/13/2025	1:30:00	7	0.394	3	590,600	Closed	13.2	299
9/13/2025	1:45:00	7	2.744	3.6	590,624	Open	13.1	299
9/13/2025	2:00:00	7	2.400	5.2	590,664	Open	13.1	299
9/13/2025	2:15:00	7	3.013	5.8	590,689	Open	13.1	299
9/13/2025	2:30:00	7	0.185	14.6	590,725	Closed	13.2	299
9/13/2025	2:45:00	7	2.771	13.4	590,733	Open	13.3	297
9/13/2025	3:00:00	7.1	2.801	15.6	590,753	Open	13.3	297
9/13/2025	3:15:00	7.1	1.260	14.7	590,778	Open	13.3	299
9/13/2025	3:30:00	7.1	2.767	12.4	590,815	Open	13.2	300
9/13/2025	3:45:00	7.1	1.192	18	590,851	Open	13.2	304
9/13/2025	4:00:00	7.1	2.771	12.5	590,869	Open	13.4	304
9/13/2025	4:15:00	7	2.759	7.9	590,911	Open	13.3	304
9/13/2025	4:30:00	7	2.684	15.5	590,923	Closed	13.5	304
9/13/2025	4:45:00	7.1	0.000	17.1	590,958	Closed	13.3	304
9/13/2025	5:00:00	7	2.434	12.9	590,974	Open	13.3	302

Title	WoodFibre Weekly Water Discharge Report	Revision:	0
Data Date Range	September 08, 2025 to September 14, 2025	Prepared by: Approved by: Date:	SD BC2 September 19, 2025

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Valve Status	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
9/13/2025	5:15:00	7	2.797	14.6	591,016	Open	13.3	304
9/13/2025	5:30:00	7.1	0.174	14.9	591,043	Closed	13.4	304
9/13/2025	5:45:00	7.1	2.797	15.1	591,081	Open	13.3	304
9/13/2025	6:00:00	7.1	1.071	13.7	591,109	Open	13.2	304
9/13/2025	6:15:00	7.1	2.824	13.8	591,133	Open	13.2	304
9/13/2025	6:30:00	7.1	2.366	7.7	591,161	Open	13.3	304
9/13/2025	6:45:00	7.1	2.419	3.5	591,198	Open	13.2	304
9/13/2025	7:00:00	7	2.714	4.1	591,228	Open	13.2	300
9/13/2025	7:15:00	7.1	2.233	3.4	591,253	Closed	13.4	300
9/13/2025	7:30:00	7	2.608	4.7	591,285	Open	13.3	304
9/13/2025	7:45:00	6.9	2.593	3.8	591,320	Open	13.2	304
9/13/2025	8:00:00	6.9	2.668	3.1	591,356	Open	13.2	304
9/13/2025	8:15:00	6.9	2.661	3.6	591,392	Open	13.2	301
9/13/2025	8:30:00	6.9	2.237	1.4	591,429	Open	13.2	299
9/13/2025	8:45:00	6.9	2.161	2.4	591,465	Open	13.3	299
9/13/2025	9:00:00	6.9	2.222	1.4	591,502	Open	13.3	299
9/13/2025	9:15:00	6.9	2.157	3	591,538	Open	13.3	299
9/13/2025	9:30:00	6.9	2.623	3.1	591,575	Open	13.3	299
9/13/2025	9:45:00	7	2.165	3.4	591,611	Open	13.4	299
9/13/2025	10:00:00	7	2.638	3.5	591,647	Open	13.4	299
9/13/2025	10:15:00	7	1.601	2	591,679	Open	13.5	299
9/13/2025	10:30:00	7	0.000	1.8	591,707	Closed	13.6	301
9/13/2025	10:45:00	6.9	2.245	3.7	591,738	Open	13.6	298
9/13/2025	11:00:00	6.9	2.619	3.8	591,758	Open	13.8	299
9/13/2025	11:15:00	7	2.600	4.2	591,797	Open	13.7	299

Title	WoodFibre Weekly Water Discharge Report	Revision:	0
Data Date Range	September 08, 2025 to September 14, 2025	Prepared by: Approved by: Date:	SD BC2 September 19, 2025

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Valve Status	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
9/13/2025	11:30:00	7	2.195	3.7	591,831	Open	13.8	301
9/13/2025	11:45:00	6.9	2.623	3.6	591,869	Open	13.7	301
9/13/2025	12:00:00	6.9	2.108	6.9	591,905	Open	13.8	299
9/13/2025	12:15:00	6.9	2.638	5.3	591,933	Open	13.9	296
9/13/2025	12:30:00	7	2.108	5.7	591,971	Open	14.1	298
9/13/2025	12:45:00	7	2.638	7.7	591,992	Open	14.3	300
9/13/2025	13:00:00	7	2.631	10.5	592,032	Open	14.2	300
9/13/2025	13:15:00	7	2.634	9.6	592,058	Open	14.1	300
9/13/2025	13:30:00	7	2.619	15.3	592,098	Open	14.1	300
9/13/2025	13:45:00	6.9	1.461	9.6	592,122	Open	14.1	302
9/13/2025	14:00:00	6.9	1.378	9.8	592,158	Open	14.2	303
9/13/2025	14:15:00	6.9	1.605	19.4	592,168	Open	14.2	305
9/13/2025	14:30:00	7	2.339	8.2	592,205	Open	14.3	303
9/13/2025	14:45:00	7.1	0.000	12.5	592,232	Closed	14.4	303
9/13/2025	15:00:00	7	2.260	12.3	592,267	Open	14.4	303
9/13/2025	15:15:00	7	2.184	16.8	592,288	Open	14.4	303
9/13/2025	15:30:00	7	1.382	10.7	592,322	Closed	14.3	303
9/13/2025	15:45:00	7	2.169	19.4	592,330	Open	14.4	303
9/13/2025	16:00:00	7.1	0.000	18.2	592,360	Closed	14.6	303
9/13/2025	16:15:00	7	1.836	22.9	592,374	Closed	14.4	305
9/13/2025	16:30:00	7	2.025	5.9	592,404	Open	14.5	303
9/13/2025	16:45:00	7	1.465	4.1	592,431	Open	14.3	302
9/13/2025	17:00:00	7	1.181	2.2	592,465	Open	14.3	302
9/13/2025	17:15:00	7	2.139	8.3	592,482	Open	14.5	302
9/13/2025	17:30:00	7.1	1.260	7	592,520	Open	14.5	302

Title	WoodFibre Weekly Water Discharge Report	Revision:	0
Data Date Range	September 08, 2025 to September 14, 2025	Prepared by: Approved by: Date:	SD BC2 September 19, 2025

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Valve Status	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
9/13/2025	17:45:00	7.2	2.358	8.9	592,537	Open	14.6	302
9/13/2025	18:00:00	7.2	2.210	7.7	592,578	Open	14.5	302
9/13/2025	18:15:00	7.3	2.774	9.7	592,614	Open	14.4	302
9/13/2025	18:30:00	7.3	1.522	6.1	592,652	Open	14.4	302
9/13/2025	18:45:00	7.3	1.609	9.4	592,672	Open	14.3	302
9/13/2025	19:00:00	7.4	2.260	20.7	592,708	Open	14.5	302
9/13/2025	19:15:00	7.3	2.790	14.9	592,731	Open	14.3	302
9/13/2025	19:30:00	7.3	1.983	24	592,769	Closed	14.4	302
9/13/2025	19:45:00	7.2	2.638	9.1	592,784	Open	14.2	301
9/13/2025	20:00:00	7.2	0.469	7.6	592,808	Closed	14.5	301
9/13/2025	20:15:00	7.1	0.912	7.8	592,825	Open	14.1	303
9/13/2025	20:30:00	7.2	2.627	1.7	592,849	Closed	14.5	296
9/13/2025	20:45:00	7.2	2.267	10.1	592,883	Open	14	299
9/13/2025	21:00:00	7.2	2.676	5	592,923	Open	13.8	299
9/13/2025	21:15:00	7.2	2.135	34.6	592,954	Closed	13.7	299
9/13/2025	21:30:00	7.3	2.706	7.3	592,979	Open	13.7	299
9/13/2025	21:45:00	7.3	2.104	67	593,000	Closed	13.9	299
9/13/2025	22:00:00	7.3	0.178	10.3	593,034	Closed	13.8	299
9/13/2025	22:15:00	7.2	1.821	21.1	593,048	Closed	13.7	299
9/13/2025	22:30:00	7.3	2.752	2.5	593,086	Open	13.7	299
9/13/2025	22:45:00	7.3	2.354	13.4	593,119	Open	13.8	298
9/13/2025	23:00:00	7.3	2.733	4.3	593,160	Open	13.8	298
9/13/2025	23:15:00	6.9	2.093	18.1	593,190	Open	13.8	298
9/13/2025	23:30:00	6.5	2.710	9.6	593,217	Open	13.9	299
9/13/2025	23:45:00	6.4	0.670	22.9	593,227	Closed	13.9	303

Title	WoodFibre Weekly Water Discharge Report	Revision:	0
Data Date Range	September 08, 2025 to September 14, 2025	Prepared by: Approved by: Date:	SD BC2 September 19, 2025

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Valve Status	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
9/14/2025	0:00:00	6.3	2.581	14.3	593,227	Closed	13.9	304
9/14/2025	0:15:00	6.5	2.252	9.2	593,254	Open	13.9	308
9/14/2025	0:30:00	6.7	2.631	1	593,294	Open	13.9	308
9/14/2025	0:45:00	6.9	2.271	2.8	593,329	Open	13.9	304
9/14/2025	1:00:00	6.8	2.646	1.3	593,369	Open	13.9	303
9/14/2025	1:15:00	6.8	2.256	2.4	593,405	Open	13.9	303
9/14/2025	1:30:00	6.8	2.631	1.8	593,444	Open	13.8	303
9/14/2025	1:45:00	6.9	2.245	4.5	593,480	Open	13.9	303
9/14/2025	2:00:00	7	0.484	1.9	593,519	Open	13.9	299
9/14/2025	2:15:00	7	2.237	2.9	593,543	Open	14	299
9/14/2025	2:30:00	7	2.612	1.5	593,572	Open	14.1	301
9/14/2025	2:45:00	7	2.491	2.6	593,606	Open	14	301
9/14/2025	3:00:00	7.4	2.774	4.9	593,640	Open	13.4	306
9/14/2025	3:15:00	7.5	1.624	1.7	593,673	Open	13.4	305
9/14/2025	3:30:00	7.2	2.752	1.4	593,714	Open	13.5	305
9/14/2025	3:45:00	7.2	2.725	1.9	593,752	Open	13.5	307
9/14/2025	4:00:00	7.1	2.725	2.1	593,793	Open	13.4	307
9/14/2025	4:15:00	7.2	2.464	1.6	593,819	Open	13.4	309
9/14/2025	4:30:00	7.1	0.386	1.2	593,850	Open	13.6	307
9/14/2025	4:45:00	7.1	2.267	3.1	593,885	Open	13.4	307
9/14/2025	5:00:00	7.1	2.759	1.4	593,926	Open	13.4	307
9/14/2025	5:15:00	7	2.748	1.5	593,964	Open	13.4	307
9/14/2025	5:30:00	7	2.755	1	594,003	Open	13.4	307
9/14/2025	5:45:00	7	2.748	1.4	594,034	Open	13.5	307
9/14/2025	6:00:00	6.9	2.426	1.7	594,073	Open	13.4	305

Title WoodFibre Weekly Water Discharge Report

Revision:
0
Data Date Range September 08, 2025 to September 14, 2025

Prepared by:
SD
Approved by:
BC2
Date:
September 19, 2025

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Valve Status	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
9/14/2025	6:15:00	6.9	2.767	3.1	594,110	Open	13.3	305
9/14/2025	6:30:00	6.9	2.759	1	594,152	Open	13.3	305
9/14/2025	6:45:00	6.9	2.661	1.1	594,166	Closed	13.3	305
9/14/2025	7:00:00	6.8	2.752	0.8	594,192	Open	13.3	305
9/14/2025	7:15:00	6.8	2.260	1.6	594,229	Open	13.3	304
9/14/2025	7:30:00	6.8	2.748	0.7	594,269	Open	13.1	305
9/14/2025	7:45:00	6.8	2.737	0.8	594,308	Open	13.1	302
9/14/2025	8:00:00	6.8	2.755	0.5	594,345	Open	13.1	303
9/14/2025	8:15:00	6.8	2.737	0.4	594,384	Open	13.2	301
9/14/2025	8:30:00	6.8	2.237	0.6	594,423	Open	13.2	301
9/14/2025	8:45:00	6.8	2.744	0.6	594,460	Open	13.2	303
9/14/2025	9:00:00	6.8	2.714	0.5	594,501	Open	13.2	303
9/14/2025	9:15:00	6.9	2.759	0.7	594,523	Open	13.3	299
9/14/2025	9:30:00	6.8	2.839	0.4	594,548	Open	13.3	301
9/14/2025	9:45:00	6.8	2.392	1.2	594,587	Open	13.5	299
9/14/2025	10:00:00	6.8	2.854	0.6	594,628	Open	13.5	299
9/14/2025	10:15:00	6.9	2.805	1.1	594,668	Open	13.5	299
9/14/2025	10:30:00	6.8	2.801	0.5	594,707	Open	13.5	299
9/14/2025	10:45:00	6.8	2.797	0.8	594,746	Open	13.5	301
9/14/2025	11:00:00	6.8	0.549	0.6	594,778	Closed	13.6	299
9/14/2025	11:15:00	6.8	2.797	0.7	594,810	Open	13.5	299
9/14/2025	11:30:00	6.8	2.782	0.6	594,851	Open	13.5	299
9/14/2025	11:45:00	6.8	2.805	0.7	594,889	Open	13.5	299
9/14/2025	12:00:00	6.8	2.702	1	594,920	Closed	13.5	302
9/14/2025	12:15:00	6.8	2.301	1.7	594,946	Open	13.5	301

Title	WoodFibre Weekly Water Discharge Report	Revision:	0
Data Date Range	September 08, 2025 to September 14, 2025	Prepared by: Approved by: Date:	SD BC2 September 19, 2025

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Valve Status	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
9/14/2025	12:30:00	6.8	2.782	0.8	594,985	Open	13.5	299
9/14/2025	12:45:00	6.8	2.729	0.5	595,020	Closed	13.6	299
9/14/2025	13:00:00	6.8	2.782	0.4	595,044	Open	13.5	300
9/14/2025	13:15:00	6.8	2.790	0.9	595,070	Open	13.9	298
9/14/2025	13:30:00	6.8	2.748	0.2	595,111	Open	13.5	298
9/14/2025	13:45:00	6.8	2.771	0.4	595,147	Open	13.6	298
9/14/2025	14:00:00	6.8	2.740	0.4	595,189	Open	13.6	298
9/14/2025	14:15:00	6.8	0.742	0.4	595,224	Closed	13.7	297
9/14/2025	14:30:00	6.8	2.748	0.3	595,251	Open	13.6	298
9/14/2025	14:45:00	6.8	2.755	0.6	595,277	Open	13.6	300
9/14/2025	15:00:00	6.8	2.774	0.5	595,316	Open	13.6	298
9/14/2025	15:15:00	6.9	2.763	0.8	595,355	Open	13.7	302
9/14/2025	15:30:00	6.9	0.647	1	595,386	Closed	13.7	301
9/14/2025	15:45:00	6.9	2.790	0.8	595,412	Open	13.6	301
9/14/2025	16:00:00	6.9	2.790	1.1	595,437	Open	13.9	303
9/14/2025	16:15:00	6.9	2.668	1.1	595,470	Closed	13.7	301
9/14/2025	16:30:00	6.9	2.808	0.9	595,470	Closed	13.6	301
9/14/2025	16:45:00	6.9	2.456	1.1	595,470	Closed	13.8	303
9/14/2025	17:00:00	6.9	2.790	1.5	595,479	Open	13.7	301
9/14/2025	17:15:00	6.9	2.767	2	595,518	Open	13.8	302
9/14/2025	17:30:00	7	0.852	1	595,546	Closed	14	302
9/14/2025	17:45:00	6.9	2.767	1.4	595,579	Open	13.8	301
9/14/2025	18:00:00	6.9	2.309	4.9	595,601	Open	13.8	304
9/14/2025	18:15:00	6.9	2.774	1.1	595,639	Open	13.7	304
9/14/2025	18:30:00	6.9	0.689	2.7	595,675	Closed	13.7	301

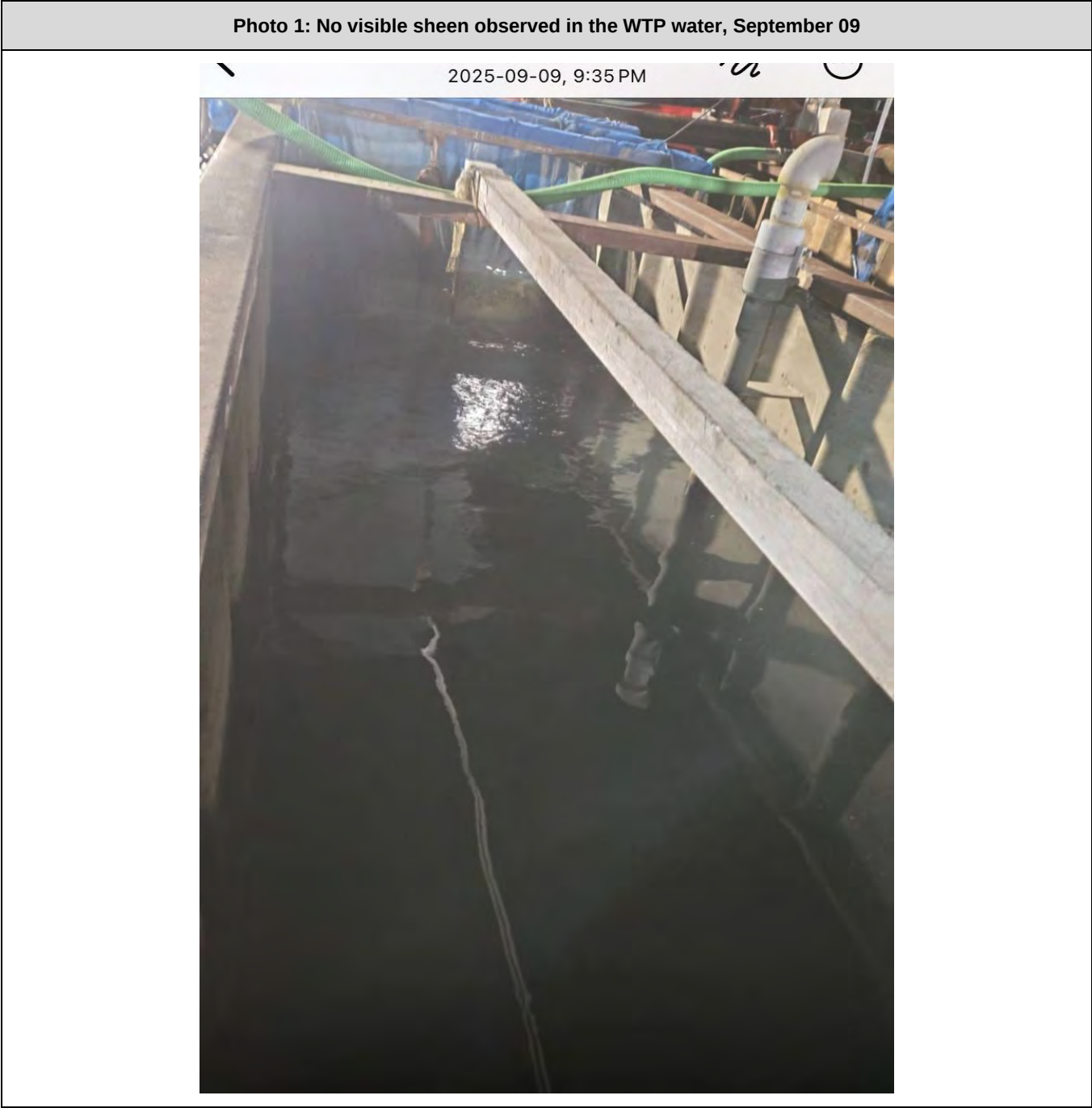
Title	WoodFibre Weekly Water Discharge Report	Revision:	0
Data Date Range	September 08, 2025 to September 14, 2025	Prepared by: Approved by: Date:	SD BC2 September 19, 2025

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Valve Status	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
9/14/2025	18:45:00	6.9	2.790	1	595,703	Open	13.6	299
9/14/2025	19:00:00	6.9	2.782	1.4	595,744	Open	13.6	299
9/14/2025	19:15:00	6.9	2.301	1.4	595,782	Open	13.6	299
9/14/2025	19:30:00	6.9	2.767	1.3	595,822	Open	13.6	299
9/14/2025	19:45:00	6.9	2.771	1.1	595,850	Open	13.6	299
9/14/2025	20:00:00	6.8	2.786	0.9	595,888	Open	13.5	298
9/14/2025	20:15:00	6.8	2.752	1.5	595,927	Open	13.5	299
9/14/2025	20:30:00	6.8	0.530	1.8	595,947	Closed	13.8	299
9/14/2025	20:45:00	6.9	2.763	0.9	595,982	Open	13.5	298
9/14/2025	21:00:00	6.9	2.763	1.4	596,008	Open	13.6	296
9/14/2025	21:15:00	6.9	2.752	1.2	596,041	Open	13.4	298
9/14/2025	21:30:00	6.9	2.725	1.4	596,082	Open	13.4	298
9/14/2025	21:45:00	6.9	2.241	1.4	596,119	Open	13.4	298
9/14/2025	22:00:00	6.9	2.763	1.1	596,145	Open	13.4	296
9/14/2025	22:15:00	6.9	2.737	1.5	596,183	Open	13.4	296
9/14/2025	22:30:00	6.9	0.443	1.7	596,213	Closed	13.7	114
9/14/2025	22:45:00	6.9	2.812	2	596,244	Open	13.4	291
9/14/2025	23:00:00	6.9	2.324	3.7	596,286	Open	13.4	291
9/14/2025	23:15:00	6.9	2.820	1.9	596,323	Open	13.5	293
9/14/2025	23:30:00	6.9	0.363	3.4	596,352	Closed	13.6	293
9/14/2025	23:45:00	6.9	2.805	4.6	596,382	Open	13.6	296

		Eagle Mountain- Woodfibre Gas Pipeline Project- Tunnel Scope	
Title	WoodFibre Weekly Water Discharge Report	Revision:	0
Data Date Range	September 08, 2025 to September 14, 2025	Prepared by: SD Approved by: BC2 Date: September 19, 2025	

Appendix B: Photos

		Eagle Mountain- Woodfibre Gas Pipeline Project- Tunnel Scope	
Title	WoodFibre Weekly Water Discharge Report	Revision:	0
Data Date Range	September 08, 2025 to September 14, 2025	Prepared by: Approved by: Date:	SD BC2 September 19, 2025



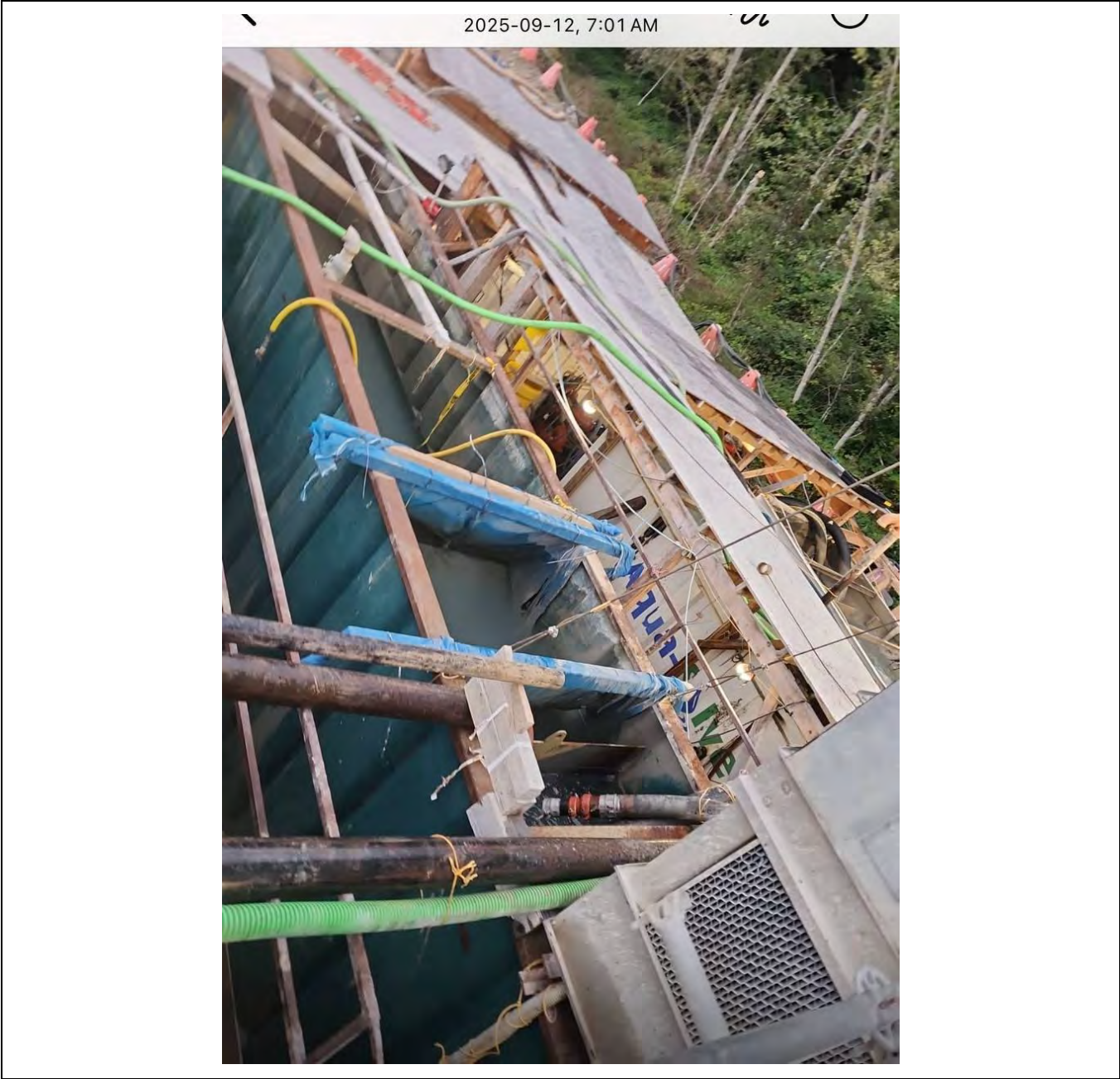
Title	WoodFibre Weekly Water Discharge Report	Revision:	0
Data Date Range	September 08, 2025 to September 14, 2025	Prepared by: Approved by: Date:	SD BC2 September 19, 2025

Photo 2: No visible sheen observed in the WTP water, September 10



		Eagle Mountain- Woodfibre Gas Pipeline Project- Tunnel Scope	
Title	WoodFibre Weekly Water Discharge Report	Revision:	0
Data Date Range	September 08, 2025 to September 14, 2025	Prepared by: SD Approved by: BC2 Date: September 19, 2025	

Photo 3: No visible sheen observed in the WTP water, September 12



		Eagle Mountain- Woodfibre Gas Pipeline Project- Tunnel Scope	
Title	WoodFibre Weekly Water Discharge Report	Revision:	0
Data Date Range	September 08, 2025 to September 14, 2025	Prepared by: SD Approved by: BC2 Date: September 19, 2025	

Photo 4: No visible sheen observed in the WTP water, September 13



		Eagle Mountain- Woodfibre Gas Pipeline Project- Tunnel Scope	
Title	WoodFibre Weekly Water Discharge Report	Revision:	0
Data Date Range	September 08, 2025 to September 14, 2025	Prepared by: SD Approved by: BC2 Date: September 19, 2025	

Water Quality Field Data Sheet



Project: FORTIS11234

Location Information	
Site ID:	<u>WLNG EOP</u>
Site Name:	<u>East Creek</u>
Crew:	<u>AF</u>
Weather:	<u>Clear</u>
Date:	<u>September 9, 2025</u>
Time:	<u>9:15</u>

In Situ Parameters	
pH:	<u>7.48</u>
Temp.:	<u>11.9</u> (°C)
Turbidity:	<u>0.54</u> NTU
DO:	<u>10.82</u> (mg/L)
Cond:	<u>168.5</u> (us)
Visible Sheen:	<u>NA</u>
Water Surface Condition:	<u>Clear</u>

Photo Record

Photo



Observations

Water Quality Field Data Sheet



Project: FORTIS11234

Location Information

Site ID:	<u>DUP - WLNG EOP</u>	Date:	<u>September 9, 2025</u>
Site Name:	<u>East Creek</u>	Time:	<u>9:15</u>
Site UTM:	Zone: <u>E:</u>	Crew:	<u>AF</u>
(NAD83)	N: <u></u>	Weather:	<u>Clear</u>

In Situ Parameters

pH:	<u>7.48</u>	DO:	<u>10.82</u> (mg/L)
Temp.:	<u>11.9</u> (°C)	Cond:	<u>168.5</u> (us)
Turbidity:	<u>0.54</u> NTU		
Visible Sheen:	<u>NA</u>		
Water Surface Condition:	<u>Clear</u>		

Photo Record

Photo unavailable

Observations

 Eagle Mountain - Woodfibre Gas Pipeline Project Waste Discharge Permit PE-110163 Report	Reporting Week	Sept 8 th to Sept 14 th , 2025
	Report #	77
	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 8 th to Sept 14 th , 2025
	Report #	77
	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 2025-09-09 10:20:00	WLNG DS 2025-09-09 09:50:00
In situ Parameters									
Field pH	pH Units	6.5 - 9			7 - 8.7			7.45	6.96
Field Temperature	°C	18	19					15.4	12.5
General Parameters									
pH	pH Units							6.69	7.82
Alkalinity (Total as CaCO ₃)	mg/L							10	54
Alkalinity (PP as CaCO ₃)	mg/L							<1	<1
Hardness (CaCO ₃)-Total	mg/L							8.12	66.6
Hardness (CaCO ₃)-Dissolved	mg/L							9.72	65.5
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	1.66	12.2		20	131		<0.015	<0.015
Bicarbonate (HCO ₃)	mg/L							13	66
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							0.159	0.256
Phosphorus (P)-Total (4500-P)	mg/L							0.012	0.004
Bromide (Br)	mg/L							<0.01	0.032
Chloride (Cl)	mg/L	150	600					<1	10
Fluoride (F)	mg/L		0.4			1.5		<0.05	0.25
Sulphate (SO ₄)-Dissolved	mg/L	128						2.2	13

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 2025-09-09 10:20:00	WLNG DS 2025-09-09 09:50:00
Total Metals									
Aluminum (Al)-Total	mg/L	0.068482						0.0537	0.138
Antimony (Sb)-Total	mg/L	0.074	0.25					<0.00002	0.000201
Arsenic (As)-Total	mg/L	0.005			0.0125			0.000105	0.00134
Barium (Ba)-Total	mg/L			1				0.005	0.00771
Beryllium (Be)-Total	mg/L			0.00013			0.1	<0.00001	<0.00001
Bismuth (Bi)-Total	mg/L							<0.00001	<0.000005
Boron (B)-Total	mg/L	1.2			1.2			<0.01	0.019
Cadmium (Cd)-Total	mg/L						0.00012	<0.000005	<0.000005
Calcium (Ca)-Total	mg/L								24.7
Cesium (Cs)-Total	mg/L							<0.00005	0.000055
Chromium (Cr)-Total	mg/L							0.00011	<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							0.000028	0.0000873
Copper (Cu)-Total	mg/L				0.002	0.003		0.00061	0.000179
Iron (Fe)-Total	mg/L		1					0.0888	0.0364
Lead (Pb)-Total	mg/L				0.002	0.14		0.000032	0.000011
Lithium (Li)-Total	mg/L							<0.0005	0.00297
Magnesium (Mg)-Total	mg/L								1.2
Manganese (Mn)-Total	mg/L	0.641	0.629				0.1	0.00249	0.0431
Mercury (Hg)-Total	mg/L	0.00002			0.00002			<0.0000019	<0.0000019
Molybdenum (Mo)-Total	mg/L	7.6	46					0.000522	0.0328
Nickel (Ni)-Total	mg/L						0.0083	0.00023	0.000307
Phosphorus (P)-Total (ICPMS)	mg/L							0.0098	0.0037
Potassium (K)-Total	mg/L								1.1
Rubidium (Rb)-Total	mg/L							0.000498	0.00242
Selenium (Se)-Total	mg/L	0.002			0.002			<0.00004	<0.00004
Silicon (Si)-Total	mg/L							4.12	6.59
Silver (Ag)-Total	mg/L	0.00012			0.0005	0.0037	0.0005	<0.00001	<0.000005
Sodium (Na)-Total	mg/L								6.14
Strontium (Sr)-Total	mg/L							0.0147	0.0591
Sulphur (S)-Total	mg/L								3.8
Tellurium (Te)-Total	mg/L							<0.00002	<0.00002
Thallium (Tl)-Total	mg/L			0.00003				0.0000027	0.0000084
Thorium (Th)-Total	mg/L							<0.00005	<0.00005
Tin (Sn)-Total	mg/L							<0.0002	<0.0002
Titanium (Ti)-Total	mg/L							<0.002	0.001
Uranium (U)-Total	mg/L		0.0165	0.0075				0.0000466	0.000845
Vanadium (V)-Total	mg/L			0.06			0.005	<0.0002	0.00021
Zinc (Zn)-Total	mg/L				0.01	0.055		0.0012	0.00105
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 2025-09-09 10:20:00	WLNG DS 2025-09-09 09:50:00
Dissolved Metals									
Aluminum (Al)-Dissolved	mg/L							0.0308	0.0534
Antimony (Sb)-Dissolved	mg/L							0.000025	0.000202
Arsenic (As)-Dissolved	mg/L							0.000124	0.00121
Barium (Ba)-Dissolved	mg/L							0.00552	0.00738
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	0.000033	0.000044					<0.000005	0.0000099
Calcium (Ca)-Dissolved	mg/L							3.31	24.3
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						0.0000158	0.0000715
Copper (Cu)-Dissolved	mg/L	0.0002	0.0002					0.000635	0.000176
Iron (Fe)-Dissolved	mg/L		0.35					0.0527	<0.001
Lead (Pb)-Dissolved	mg/L	0.001683						0.0000185	<0.000005
Lithium (Li)-Dissolved	mg/L							<0.0005	0.00265
Manganese (Mn)-Dissolved	mg/L							0.000857	0.0409
Magnesium (Mg)-Dissolved	mg/L							0.353	1.17
Mercury (Hg)-Dissolved	mg/L							<0.0000019	<0.0000019
Molybdenum (Mo)-Dissolved	mg/L							0.000664	0.032
Nickel (Ni)-Dissolved	mg/L	0.0009	0.0127					0.000233	0.000253
Phosphorus (P)-Dissolved	mg/L							0.0043	<0.002
Potassium (K)-Dissolved	mg/L							0.194	1.04
Rubidium (Rb)-Dissolved	mg/L							0.000556	0.00228
Selenium (Se)-Dissolved	mg/L							<0.00004	<0.00004
Silicon (Si)-Dissolved	mg/L							4.91	6.83
Silver (Ag)-Dissolved	mg/L							<0.000005	<0.000005
Sodium (Na)-Dissolved	mg/L							2.05	5.98
Strontium (Sr)-Dissolved	mg/L			1.25				0.0167	0.0558
Sulphur (S)-Dissolved	mg/L							<3	4.6
Tellurium (Te)-Dissolved	mg/L							<0.00002	<0.00002
Thallium (Tl)-Dissolved	mg/L							0.0000025	0.0000074
Thorium (Th)-Dissolved	mg/L							0.0000088	<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							0.0000567	0.000743
Vanadium (V)-Dissolved	mg/L							0.00021	<0.0002
Zinc (Zn)-Dissolved	mg/L	0.003008	0.008787					0.00051	0.0008
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	WLNG US 2025-09-09 10:20:00	WLNG DS 2025-09-09 09:50:00
Inorganics									
Organic Carbon (C)-Total	mg/L							2.1	1.5
Organic Carbon (C)-Dissolved	mg/L							1.9	1.3
Solids-Total Dissolved	mg/L							44	110
Solids-Total Suspended	mg/L	8.2	28.2					3.2	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 8 th to Sept 14 th , 2025
	Report #	77
	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	2025-09-08 00:00:00	12.067	177.387	0.007	7.711	10.447	28.632
EAS-DS	2025-09-08 01:00:00	12.167	181.961	0.009	7.752	10.398	25.435
EAS-DS	2025-09-08 02:00:00	12.055	178.014	0.010	7.875	10.437	26.711
EAS-DS	2025-09-08 03:00:00	11.995	175.670	0.015	7.875	10.454	30.815
EAS-DS	2025-09-08 04:00:00	12.023	174.167	0.019	7.890	10.469	33.852
EAS-DS	2025-09-08 05:00:00	12.129	177.280	0.007	7.866	10.427	34.343
EAS-DS	2025-09-08 06:00:00	11.939	171.675	0.009	7.848	10.472	25.570
EAS-DS	2025-09-08 07:00:00	11.987	172.734	0.010	7.875	10.470	30.535
EAS-DS	2025-09-08 08:00:00	11.899	169.429	0.011	7.855	10.481	27.713
EAS-DS	2025-09-08 09:00:00	11.878	163.202	0.024	7.848	10.511	24.407
EAS-DS	2025-09-08 10:00:00	11.962	164.648	0.010	7.917	10.474	22.456
EAS-DS	2025-09-08 11:00:00	11.990	160.136	0.008	7.960	10.474	25.496
EAS-DS	2025-09-08 12:00:00	12.168	164.654	0.007	7.981	10.404	20.137
EAS-DS	2025-09-08 13:00:00	12.396	163.358	0.018	7.985	10.384	21.314
EAS-DS	2025-09-08 14:00:00	12.616	164.630	0.004	7.998	10.303	18.335
EAS-DS	2025-09-08 15:00:00	12.581	166.128	0.004	7.995	10.301	20.495
EAS-DS	2025-09-08 16:00:00	12.642	163.070	0.011	8.008	10.280	20.724
EAS-DS	2025-09-08 17:00:00	12.658	162.871	0.007	7.837	10.267	20.042
EAS-DS	2025-09-08 18:00:00	12.418	151.068	0.015	7.792	10.311	19.243
EAS-DS	2025-09-08 19:00:00	12.213	156.287	0.031	7.863	10.328	22.296
EAS-DS	2025-09-08 20:00:00	11.965	161.515	0.015	7.924	10.413	22.176
EAS-DS	2025-09-08 21:00:00	11.952	163.254	0.014	7.933	10.390	26.002
EAS-DS	2025-09-08 22:00:00	12.091	163.941	0.028	7.947	10.274	31.918
EAS-DS	2025-09-08 23:00:00	11.996	166.691	0.014	7.933	10.400	33.271
EAS-DS	2025-09-09 00:00:00	11.877	167.198	0.013	7.924	10.439	34.187
EAS-DS	2025-09-09 01:00:00	11.950	186.312	0.027	7.640	10.425	34.555
EAS-DS	2025-09-09 02:00:00	11.909	177.163	0.017	7.866	10.446	31.674
EAS-DS	2025-09-09 03:00:00	11.753	165.562	0.025	7.854	10.464	37.362
EAS-DS	2025-09-09 04:00:00	11.914	172.021	0.013	7.874	10.418	36.269
EAS-DS	2025-09-09 05:00:00	11.897	172.481	0.020	7.843	10.448	35.957
EAS-DS	2025-09-09 06:00:00	12.033	172.714	0.019	7.674	9.304	30.989
EAS-DS	2025-09-09 07:00:00	11.786	163.680	0.020	7.836	10.474	33.207
EAS-DS	2025-09-09 08:00:00	11.744	163.492	0.014	7.826	10.495	37.073
EAS-DS	2025-09-09 09:00:00	11.728	155.523	0.033	7.855	10.492	40.586
EAS-DS	2025-09-09 10:00:00	11.795	156.747	0.019	7.869	10.508	43.694
EAS-DS	2025-09-09 11:00:00	12.004	174.126	0.011	7.933	10.440	52.700
EAS-DS	2025-09-09 12:00:00	12.522	171.204	0.015	7.794	10.277	81.751
EAS-DS	2025-09-09 13:00:00	12.565	174.894	0.011	7.778	10.261	64.092
EAS-DS	2025-09-09 14:00:00	12.869	187.719	0.032	7.776	10.040	4.631
EAS-DS	2025-09-09 15:00:00	12.861	171.532	0.010	7.821	10.264	6.378
EAS-DS	2025-09-09 16:00:00	12.821	155.374	0.022	7.852	10.287	11.758
EAS-DS	2025-09-09 17:00:00	12.866	166.669	0.002	7.888	10.270	9.563
EAS-DS	2025-09-09 18:00:00	12.799	162.557	0.005	7.906	10.140	11.818
EAS-DS	2025-09-09 19:00:00	12.560	162.211	0.005	7.890	10.275	21.425
EAS-DS	2025-09-09 20:00:00	12.238	155.316	0.018	7.896	10.382	7.388
EAS-DS	2025-09-09 21:00:00	12.165	155.063	0.030	7.815	10.062	0.105
EAS-DS	2025-09-09 22:00:00	11.983	152.419	0.020	7.863	10.501	6.453
EAS-DS	2025-09-09 23:00:00	12.038	153.648	0.010	7.857	10.365	17.937
EAS-DS	2025-09-10 00:00:00	12.120	194.947	0.015	7.851	10.365	19.160
EAS-DS	2025-09-10 01:00:00	12.137	242.093	0.010	7.803	10.323	14.234
EAS-DS	2025-09-10 02:00:00	12.150	183.774	0.021	7.774	10.381	7.404

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	2025-09-10 03:00:00	12.136	192.223	0.015	7.745	10.393	6.706
EAS-DS	2025-09-10 04:00:00	12.110	178.378	0.010	7.769	10.424	9.750
EAS-DS	2025-09-10 05:00:00	12.099	179.527	0.008	7.729	10.404	18.066
EAS-DS	2025-09-10 06:00:00	12.130	160.571	0.021	7.742	10.325	20.838
EAS-DS	2025-09-10 07:00:00	12.029	152.092	0.007	7.756	10.452	12.382
EAS-DS	2025-09-10 08:00:00	12.049	163.200	0.024	7.755	10.454	7.059
EAS-DS	2025-09-10 09:00:00	12.043	157.047	0.009	7.755	10.487	15.990
EAS-DS	2025-09-10 10:00:00	12.097	147.953	0.010	7.741	10.452	14.651
EAS-DS	2025-09-10 11:00:00	12.295	146.640	0.024	7.762	10.281	6.702
EAS-DS	2025-09-10 12:00:00	12.725	169.218	0.027	7.768	10.270	11.054
EAS-DS	2025-09-10 13:00:00	12.779	148.039	0.033	7.790	10.289	10.721
EAS-DS	2025-09-10 14:00:00	12.894	156.250	0.011	7.843	10.255	12.927
EAS-DS	2025-09-10 15:00:00	12.945	170.051	0.013	7.786	10.225	14.965
EAS-DS	2025-09-10 16:00:00	12.947	250.799	0.030	7.858	10.147	18.370
EAS-DS	2025-09-10 17:00:00	12.966	295.222	0.002	8.022	9.758	7.650
EAS-DS	2025-09-10 18:00:00	12.668	235.651	0.006	7.862	10.207	7.137
EAS-DS	2025-09-10 19:00:00	12.512	289.965	-0.011	8.875	9.944	10.971
EAS-DS	2025-09-10 20:00:00	13.040	401.038	-0.010	8.146	8.206	9.199
EAS-DS	2025-09-10 21:00:00	12.317	276.599	0.015	7.784	10.268	25.876
EAS-DS	2025-09-10 22:00:00	12.299	240.095	0.010	7.729	10.306	8.537
EAS-DS	2025-09-10 23:00:00	12.229	206.806	0.006	7.854	10.342	10.508
EAS-DS	2025-09-11 00:00:00	12.240	198.893	0.006	7.779	10.331	11.964
EAS-DS	2025-09-11 01:00:00	12.230	208.850	0.008	7.852	10.308	12.441
EAS-DS	2025-09-11 02:00:00	12.093	219.815	0.007	7.813	10.364	11.557
EAS-DS	2025-09-11 03:00:00	12.111	272.960	0.038	7.748	10.360	14.170
EAS-DS	2025-09-11 04:00:00	12.010	267.479	0.000	8.007	10.385	23.880
EAS-DS	2025-09-11 05:00:00	12.046	265.287	0.000	7.796	10.379	19.838
EAS-DS	2025-09-11 06:00:00	12.017	257.289	-0.002	7.864	10.185	7.767
EAS-DS	2025-09-11 07:00:00	11.972	227.858	0.003	7.717	10.366	18.299
EAS-DS	2025-09-11 08:00:00	11.968	229.002	0.006	7.673	10.395	10.625
EAS-DS	2025-09-11 09:00:00	12.048	232.064	0.024	7.675	10.383	16.007
EAS-DS	2025-09-11 10:00:00	12.266	219.221	0.000	7.758	9.610	3.675
EAS-DS	2025-09-11 11:00:00	12.185	220.132	0.033	7.745	10.341	10.176
EAS-DS	2025-09-11 12:00:00	12.471	193.802	0.045	7.949	10.294	13.557
EAS-DS	2025-09-11 13:00:00	12.630	186.951	0.014	7.953	10.242	14.307
EAS-DS	2025-09-11 14:00:00	12.863	177.246	0.032	7.832	10.156	13.421
EAS-DS	2025-09-11 15:00:00	12.935	189.161	0.056	7.879	10.146	18.134
EAS-DS	2025-09-11 16:00:00	12.760	176.824	0.026	7.878	10.221	18.173
EAS-DS	2025-09-11 17:00:00	12.678	175.563	0.020	7.772	10.251	16.919
EAS-DS	2025-09-11 18:00:00	12.535	183.224	0.024	7.918	10.248	15.080
EAS-DS	2025-09-11 19:00:00	12.415	184.298	0.022	7.970	10.298	29.005
EAS-DS	2025-09-11 20:00:00	12.574	193.138	0.025	7.801	9.324	2.155
EAS-DS	2025-09-11 21:00:00	12.349	185.220	0.045	7.869	9.983	13.073
EAS-DS	2025-09-11 22:00:00	12.124	173.315	0.026	7.922	10.382	17.976
EAS-DS	2025-09-11 23:00:00	12.214	174.784	0.030	7.927	10.390	21.455
EAS-DS	2025-09-12 00:00:00	12.199	174.829	0.026	7.899	10.407	20.525
EAS-DS	2025-09-12 01:00:00	12.161	163.672	0.047	7.898	10.430	21.258
EAS-DS	2025-09-12 02:00:00	12.219	168.439	0.022	7.851	10.393	28.941
EAS-DS	2025-09-12 03:00:00	12.222	231.632	0.048	7.757	9.765	14.653
EAS-DS	2025-09-12 04:00:00	12.619	220.981	0.031	7.670	8.111	2.184
EAS-DS	2025-09-12 05:00:00	12.134	216.905	0.090	7.645	10.422	29.700

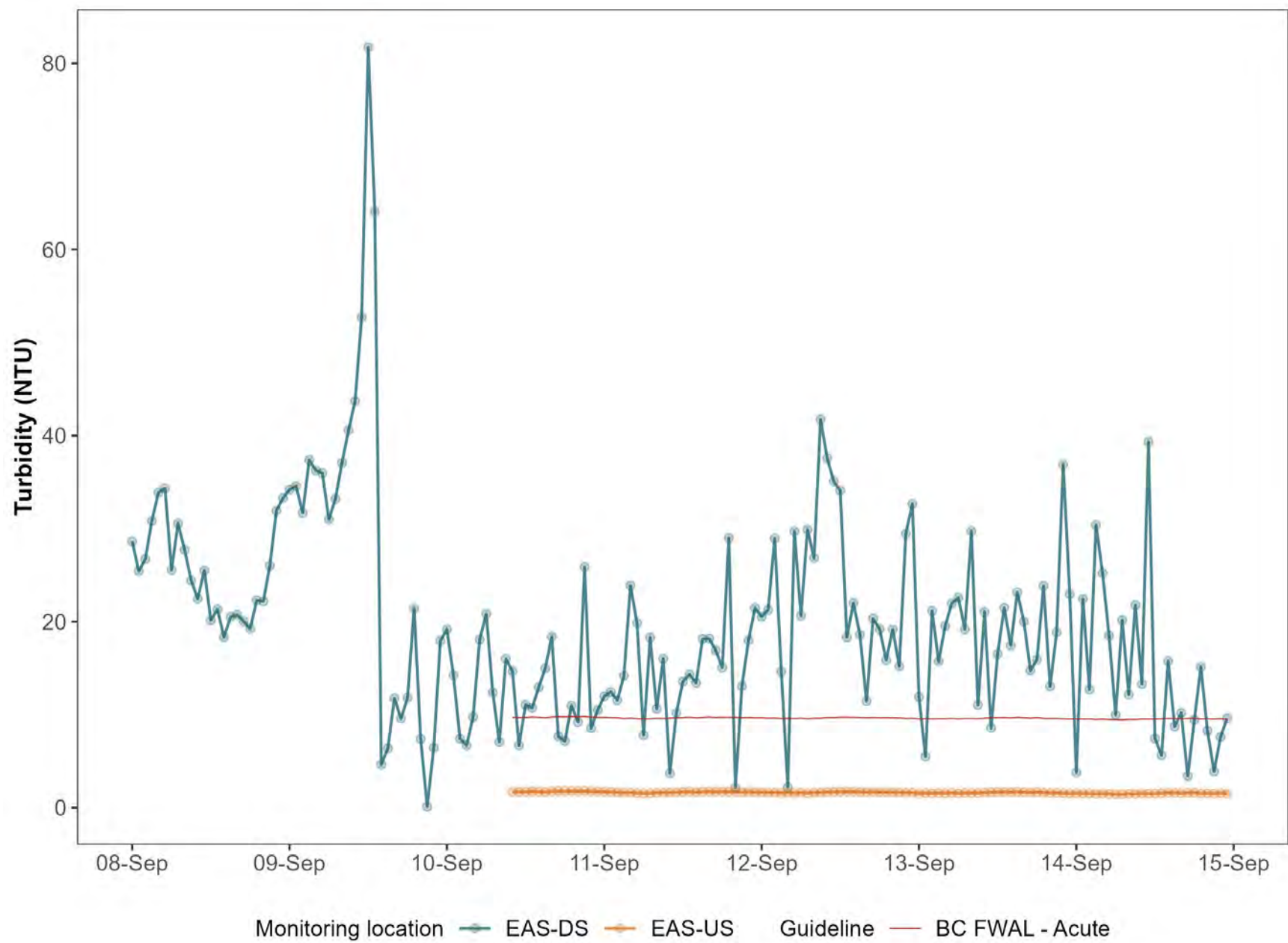
Woodfibre LNG (East Creek)							
Station	Date/Time	Temperature (C)	Specific Conductivity (µS/cm)	ORP (V)	pH (pH units)	Dissolved Oxygen (mg/L)	Turbidity (NTU)
EAS-DS	2025-09-12 06:00:00	12.099	209.258	0.030	7.783	10.386	20.648
EAS-DS	2025-09-12 07:00:00	12.101	178.181	0.016	7.841	10.432	29.899
EAS-DS	2025-09-12 08:00:00	12.176	173.979	0.014	7.801	10.378	26.826
EAS-DS	2025-09-12 09:00:00	12.264	225.495	0.014	7.814	10.367	41.730
EAS-DS	2025-09-12 10:00:00	12.501	205.507	0.017	7.897	10.268	37.555
EAS-DS	2025-09-12 11:00:00	12.270	196.664	0.019	7.986	10.415	35.083
EAS-DS	2025-09-12 12:00:00	12.595	194.245	0.029	7.999	10.199	34.093
EAS-DS	2025-09-12 13:00:00	12.659	193.174	0.026	7.930	10.026	18.315
EAS-DS	2025-09-12 14:00:00	12.910	202.794	0.026	7.869	9.926	21.995
EAS-DS	2025-09-12 15:00:00	12.658	167.809	0.029	7.876	10.300	18.601
EAS-DS	2025-09-12 16:00:00	12.773	185.998	0.018	7.867	10.051	11.441
EAS-DS	2025-09-12 17:00:00	12.564	170.370	0.018	7.884	10.271	20.323
EAS-DS	2025-09-12 18:00:00	12.437	185.583	0.031	7.876	10.324	19.197
EAS-DS	2025-09-12 19:00:00	12.369	175.733	0.015	7.855	10.317	15.866
EAS-DS	2025-09-12 20:00:00	12.187	180.558	0.024	7.843	10.382	19.152
EAS-DS	2025-09-12 21:00:00	12.217	174.595	0.016	7.864	10.236	15.187
EAS-DS	2025-09-12 22:00:00	12.071	165.647	0.023	7.853	10.427	29.465
EAS-DS	2025-09-12 23:00:00	12.207	180.700	0.045	7.871	10.310	32.654
EAS-DS	2025-09-13 00:00:00	12.148	179.148	0.021	7.903	10.284	11.877
EAS-DS	2025-09-13 01:00:00	12.267	178.495	0.026	7.871	9.802	5.485
EAS-DS	2025-09-13 02:00:00	12.024	175.546	0.038	7.877	10.416	21.153
EAS-DS	2025-09-13 03:00:00	12.239	174.135	0.013	7.889	10.128	15.730
EAS-DS	2025-09-13 04:00:00	12.382	180.364	0.011	7.934	10.267	19.514
EAS-DS	2025-09-13 05:00:00	12.371	169.331	0.028	7.900	10.152	21.947
EAS-DS	2025-09-13 06:00:00	12.317	183.031	0.018	7.890	10.272	22.566
EAS-DS	2025-09-13 07:00:00	12.219	183.869	0.023	7.873	10.186	19.184
EAS-DS	2025-09-13 08:00:00	12.184	179.393	0.021	7.850	10.353	29.718
EAS-DS	2025-09-13 09:00:00	12.180	172.232	0.013	7.859	10.408	11.039
EAS-DS	2025-09-13 10:00:00	12.330	175.693	0.025	7.890	10.366	21.047
EAS-DS	2025-09-13 11:00:00	12.515	167.430	0.043	7.891	10.107	8.560
EAS-DS	2025-09-13 12:00:00	12.548	174.220	0.015	7.900	10.296	16.511
EAS-DS	2025-09-13 13:00:00	12.929	170.750	0.009	7.955	10.199	21.477
EAS-DS	2025-09-13 14:00:00	13.015	166.774	0.010	7.904	10.192	17.432
EAS-DS	2025-09-13 15:00:00	13.088	187.284	0.017	7.924	10.156	23.148
EAS-DS	2025-09-13 16:00:00	13.113	189.028	0.016	7.928	10.121	20.009
EAS-DS	2025-09-13 17:00:00	12.896	170.112	0.048	7.905	10.157	14.740
EAS-DS	2025-09-13 18:00:00	13.043	188.672	0.023	7.950	10.124	15.920
EAS-DS	2025-09-13 19:00:00	13.033	164.431	0.035	7.977	10.165	23.833
EAS-DS	2025-09-13 20:00:00	12.968	184.622	0.013	7.946	10.111	13.037
EAS-DS	2025-09-13 21:00:00	12.799	160.917	0.010	7.958	10.209	18.850
EAS-DS	2025-09-13 22:00:00	12.735	165.072	0.015	7.940	10.218	36.899
EAS-DS	2025-09-13 23:00:00	12.737	162.928	0.013	7.932	10.218	22.971
EAS-DS	2025-09-14 00:00:00	12.797	191.020	0.024	7.708	9.423	3.790
EAS-DS	2025-09-14 01:00:00	12.729	178.331	0.014	7.855	10.240	22.442
EAS-DS	2025-09-14 02:00:00	12.762	175.435	0.010	7.878	10.235	12.690
EAS-DS	2025-09-14 03:00:00	12.799	172.289	-0.003	7.933	10.125	30.381
EAS-DS	2025-09-14 04:00:00	12.768	163.152	0.006	7.894	10.223	25.212
EAS-DS	2025-09-14 05:00:00	12.597	180.347	0.040	7.873	10.235	18.482
EAS-DS	2025-09-14 06:00:00	12.572	180.273	0.008	7.862	10.211	9.973
EAS-DS	2025-09-14 07:00:00	12.524	178.834	0.029	7.822	10.229	20.151
EAS-DS	2025-09-14 08:00:00	12.302	173.052	0.009	7.817	10.312	12.146

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	2025-09-14 09:00:00	12.302	173.409	0.045	7.830	10.330	21.777
EAS-DS	2025-09-14 10:00:00	12.451	175.186	0.035	7.858	10.288	13.298
EAS-DS	2025-09-14 11:00:00	12.463	182.490	0.027	7.838	10.301	39.348
EAS-DS	2025-09-14 12:00:00	12.478	179.716	0.014	7.849	10.293	7.441
EAS-DS	2025-09-14 13:00:00	12.488	178.578	0.011	7.849	10.269	5.634
EAS-DS	2025-09-14 14:00:00	12.554	180.657	0.011	7.859	10.288	15.742
EAS-DS	2025-09-14 15:00:00	12.556	169.110	0.007	7.872	10.290	8.730
EAS-DS	2025-09-14 16:00:00	12.669	168.061	0.023	7.868	10.149	10.195
EAS-DS	2025-09-14 17:00:00	14.990	67.734	0.028	7.512	9.440	3.400
EAS-DS	2025-09-14 18:00:00	12.953	174.968	0.017	7.873	10.179	9.438
EAS-DS	2025-09-14 19:00:00	12.782	180.039	0.005	7.865	10.258	15.118
EAS-DS	2025-09-14 20:00:00	12.592	170.101	0.004	7.847	10.320	8.263
EAS-DS	2025-09-14 21:00:00	12.592	164.788	0.013	7.879	10.241	3.894
EAS-DS	2025-09-14 22:00:00	12.625	179.125	0.021	7.854	10.104	7.591
EAS-DS	2025-09-14 23:00:00	12.559	167.197	0.014	7.870	10.373	9.594
EAS-US	2025-09-08 00:00:00	16.300		0.329			
EAS-US	2025-09-08 01:00:00	16.200		0.328			
EAS-US	2025-09-08 02:00:00	16.100		0.326			
EAS-US	2025-09-08 03:00:00	16.100		0.317			
EAS-US	2025-09-08 04:00:00	16.000		0.320			
EAS-US	2025-09-08 05:00:00	16.000		0.321			
EAS-US	2025-09-08 06:00:00	15.900		0.327			
EAS-US	2025-09-08 07:00:00	15.900		0.316			
EAS-US	2025-09-08 08:00:00	15.900		0.313			
EAS-US	2025-09-08 09:00:00	16.000		0.318			
EAS-US	2025-09-08 10:00:00	16.812		0.306			
EAS-US	2025-09-08 11:00:00	16.919		0.307			
EAS-US	2025-09-08 12:00:00	16.300		0.301			
EAS-US	2025-09-08 13:00:00	16.500		0.305			
EAS-US	2025-09-08 14:00:00	16.800		0.309			
EAS-US	2025-09-08 15:00:00	16.900		0.313			
EAS-US	2025-09-08 16:00:00	16.900		0.314			
EAS-US	2025-09-08 17:00:00	16.800		0.321			
EAS-US	2025-09-08 18:00:00	17.444		0.316			
EAS-US	2025-09-08 19:00:00	16.600		0.314			
EAS-US	2025-09-08 20:00:00	16.500		0.313			
EAS-US	2025-09-08 21:00:00	16.400		0.323			
EAS-US	2025-09-08 22:00:00	16.300		0.322			
EAS-US	2025-09-08 23:00:00	16.100		0.323			
EAS-US	2025-09-09 00:00:00	16.000		0.325			
EAS-US	2025-09-09 01:00:00	15.800		0.331			
EAS-US	2025-09-09 02:00:00	15.700		0.325			
EAS-US	2025-09-09 03:00:00	15.600		0.325			
EAS-US	2025-09-09 04:00:00	15.400		0.326			
EAS-US	2025-09-09 05:00:00	15.300		0.324			
EAS-US	2025-09-09 06:00:00	15.200		0.330			
EAS-US	2025-09-09 07:00:00	15.200		0.328			
EAS-US	2025-09-09 08:00:00	15.200		0.330			
EAS-US	2025-09-09 09:00:00	15.200		0.324			
EAS-US	2025-09-09 10:00:00	15.300		0.318			
EAS-US	2025-09-09 11:00:00	15.500		0.315			

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	2025-09-09 12:00:00	16.100		0.329			
EAS-US	2025-09-09 13:00:00						
EAS-US	2025-09-09 14:00:00						
EAS-US	2025-09-09 15:00:00						
EAS-US	2025-09-09 16:00:00						
EAS-US	2025-09-09 17:00:00						
EAS-US	2025-09-09 18:00:00						
EAS-US	2025-09-09 19:00:00						
EAS-US	2025-09-09 20:00:00						
EAS-US	2025-09-09 21:00:00						
EAS-US	2025-09-09 22:00:00						
EAS-US	2025-09-09 23:00:00						
EAS-US	2025-09-10 00:00:00						
EAS-US	2025-09-10 01:00:00						
EAS-US	2025-09-10 02:00:00						
EAS-US	2025-09-10 03:00:00						
EAS-US	2025-09-10 04:00:00						
EAS-US	2025-09-10 05:00:00						
EAS-US	2025-09-10 05:00:00						
EAS-US	2025-09-10 06:00:00						
EAS-US	2025-09-10 06:00:00						
EAS-US	2025-09-10 07:00:00						
EAS-US	2025-09-10 07:00:00						
EAS-US	2025-09-10 08:00:00						
EAS-US	2025-09-10 08:00:00						
EAS-US	2025-09-10 09:00:00						
EAS-US	2025-09-10 09:00:00						
EAS-US	2025-09-10 10:00:00	16.39	164.77	0.25	6.37	9.83	1.70
EAS-US	2025-09-10 11:00:00	16.81	168.91	0.25	6.41	9.77	1.68
EAS-US	2025-09-10 12:00:00	17.34	170.94	0.26	6.39	9.68	1.70
EAS-US	2025-09-10 13:00:00	17.32	169.94	0.26	6.37	9.65	1.74
EAS-US	2025-09-10 14:00:00	17.49	169.01	0.25	6.34	9.63	1.71
EAS-US	2025-09-10 15:00:00	17.61	169.31	0.24	6.33	9.60	1.67
EAS-US	2025-09-10 16:00:00	17.59	167.69	0.24	6.32	9.57	1.75
EAS-US	2025-09-10 17:00:00	17.46	166.54	0.24	6.31	9.57	1.77
EAS-US	2025-09-10 18:00:00	17.38	165.04	0.24	6.31	9.57	1.75
EAS-US	2025-09-10 19:00:00	17.28	164.59	0.23	6.32	9.56	1.78
EAS-US	2025-09-10 20:00:00	17.16	163.09	0.23	6.32	9.55	1.75
EAS-US	2025-09-10 21:00:00	17.05	162.78	0.23	6.33	9.55	1.78
EAS-US	2025-09-10 22:00:00	16.94	161.52	0.23	6.33	9.54	1.74
EAS-US	2025-09-10 23:00:00	16.83	161.21	0.23	6.34	9.54	1.72
EAS-US	2025-09-11 00:00:00	16.71	160.11	0.23	6.34	9.53	1.71
EAS-US	2025-09-11 01:00:00	16.60	159.86	0.22	6.35	9.52	1.68
EAS-US	2025-09-11 02:00:00	16.49	158.89	0.22	6.35	9.53	1.65
EAS-US	2025-09-11 03:00:00	16.37	158.71	0.22	6.36	9.52	1.58
EAS-US	2025-09-11 04:00:00	16.23	157.64	0.22	6.37	9.50	1.61
EAS-US	2025-09-11 05:00:00	16.10	157.57	0.22	6.37	9.51	1.56
EAS-US	2025-09-11 06:00:00	15.97	156.67	0.21	6.38	9.51	1.53
EAS-US	2025-09-11 07:00:00	15.89	156.84	0.21	6.38	9.50	1.55
EAS-US	2025-09-11 08:00:00	15.85	156.24	0.21	6.38	9.49	1.60
EAS-US	2025-09-11 09:00:00	15.84	156.58	0.21	6.38	9.47	1.58

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	2025-09-11 10:00:00	15.92	156.48	0.21	6.38	9.44	1.62
EAS-US	2025-09-11 11:00:00	16.08	157.24	0.21	6.39	9.41	1.63
EAS-US	2025-09-11 12:00:00	16.43	158.86	0.21	6.38	9.35	1.68
EAS-US	2025-09-11 13:00:00	16.65	158.60	0.21	6.39	9.29	1.73
EAS-US	2025-09-11 14:00:00	16.99	159.10	0.21	6.39	9.22	1.65
EAS-US	2025-09-11 15:00:00	17.21	159.03	0.21	6.39	9.16	1.70
EAS-US	2025-09-11 16:00:00	17.18	157.65	0.21	6.39	9.15	1.74
EAS-US	2025-09-11 17:00:00	17.11	157.50	0.21	6.39	9.15	1.69
EAS-US	2025-09-11 18:00:00	17.06	157.01	0.21	6.40	9.13	1.72
EAS-US	2025-09-11 19:00:00	16.98	157.25	0.21	6.40	9.13	1.71
EAS-US	2025-09-11 20:00:00	16.88	156.61	0.21	6.41	9.13	1.72
EAS-US	2025-09-11 21:00:00	16.78	156.91	0.21	6.41	9.13	1.66
EAS-US	2025-09-11 22:00:00	16.67	156.28	0.22	6.41	9.12	1.70
EAS-US	2025-09-11 23:00:00	16.60	156.30	0.22	6.42	9.11	1.65
EAS-US	2025-09-12 00:00:00	16.57	156.02	0.22	6.42	9.11	1.65
EAS-US	2025-09-12 01:00:00	16.52	156.37	0.22	6.43	9.11	1.61
EAS-US	2025-09-12 02:00:00	16.43	155.82	0.22	6.43	9.11	1.62
EAS-US	2025-09-12 03:00:00	16.37	156.06	0.23	6.43	9.09	1.58
EAS-US	2025-09-12 04:00:00	16.30	154.97	0.23	6.43	9.10	1.60
EAS-US	2025-09-12 05:00:00	16.25	156.42	0.23	6.44	9.08	1.57
EAS-US	2025-09-12 06:00:00	16.18	155.35	0.23	6.44	9.08	1.61
EAS-US	2025-09-12 07:00:00	16.14	156.46	0.23	6.44	9.07	1.55
EAS-US	2025-09-12 08:00:00	16.12	155.34	0.23	6.45	9.06	1.61
EAS-US	2025-09-12 09:00:00	16.20	156.89	0.23	6.45	9.04	1.60
EAS-US	2025-09-12 10:00:00	16.32	156.52	0.23	6.45	9.01	1.68
EAS-US	2025-09-12 11:00:00	16.40	157.63	0.23	6.45	8.98	1.68
EAS-US	2025-09-12 12:00:00	16.71	157.70	0.23	6.45	8.93	1.72
EAS-US	2025-09-12 13:00:00	16.87	158.54	0.23	6.45	8.90	1.72
EAS-US	2025-09-12 14:00:00	17.12	158.76	0.24	6.45	8.85	1.71
EAS-US	2025-09-12 15:00:00	17.17	159.55	0.25	6.45	8.84	1.69
EAS-US	2025-09-12 16:00:00	17.08	158.41	0.25	6.45	8.83	1.66
EAS-US	2025-09-12 17:00:00	17.03	158.85	0.25	6.45	8.83	1.68
EAS-US	2025-09-12 18:00:00	17.00	158.40	0.25	6.46	8.82	1.65
EAS-US	2025-09-12 19:00:00	16.92	158.67	0.25	6.46	8.82	1.66
EAS-US	2025-09-12 20:00:00	16.79	157.90	0.25	6.46	8.84	1.64
EAS-US	2025-09-12 21:00:00	16.68	158.03	0.26	6.47	8.83	1.63
EAS-US	2025-09-12 22:00:00	16.57	157.39	0.26	6.47	8.84	1.59
EAS-US	2025-09-12 23:00:00	16.46	157.67	0.26	6.47	8.84	1.60
EAS-US	2025-09-13 00:00:00	16.35	157.07	0.26	6.48	8.85	1.52
EAS-US	2025-09-13 01:00:00	16.30	157.77	0.26	6.48	8.84	1.56
EAS-US	2025-09-13 02:00:00	16.22	157.11	0.26	6.48	8.85	1.54
EAS-US	2025-09-13 03:00:00	16.18	157.97	0.26	6.48	8.83	1.56
EAS-US	2025-09-13 04:00:00	16.14	157.44	0.26	6.48	8.84	1.55
EAS-US	2025-09-13 05:00:00	16.11	158.44	0.26	6.48	8.83	1.58
EAS-US	2025-09-13 06:00:00	16.06	157.37	0.26	6.49	8.83	1.53
EAS-US	2025-09-13 07:00:00	15.99	158.52	0.26	6.49	8.84	1.57
EAS-US	2025-09-13 08:00:00	15.94	157.58	0.26	6.49	8.82	1.56
EAS-US	2025-09-13 09:00:00	15.99	159.02	0.26	6.49	8.81	1.56
EAS-US	2025-09-13 10:00:00	16.11	158.64	0.26	6.50	8.80	1.61
EAS-US	2025-09-13 11:00:00	16.60	162.88	0.26	6.49	8.73	1.65
EAS-US	2025-09-13 12:00:00	16.78	160.55	0.26	6.48	8.68	1.68

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	2025-09-13 13:00:00	17.08	162.15	0.26	6.48	8.63	1.68
EAS-US	2025-09-13 14:00:00	17.24	161.54	0.26	6.48	8.61	1.65
EAS-US	2025-09-13 15:00:00	17.34	162.27	0.26	6.48	8.58	1.71
EAS-US	2025-09-13 16:00:00	17.26	161.09	0.27	6.49	8.58	1.65
EAS-US	2025-09-13 17:00:00	17.16	161.21	0.27	6.50	8.59	1.62
EAS-US	2025-09-13 18:00:00	17.10	160.74	0.27	6.50	8.60	1.67
EAS-US	2025-09-13 19:00:00	17.00	160.98	0.27	6.50	8.61	1.60
EAS-US	2025-09-13 20:00:00	16.88	160.25	0.27	6.50	8.60	1.58
EAS-US	2025-09-13 21:00:00	16.74	160.52	0.27	6.51	8.61	1.58
EAS-US	2025-09-13 22:00:00	16.64	159.90	0.27	6.51	8.63	1.55
EAS-US	2025-09-13 23:00:00	16.55	160.40	0.27	6.51	8.62	1.52
EAS-US	2025-09-14 00:00:00	16.45	159.76	0.27	6.51	8.65	1.54
EAS-US	2025-09-14 01:00:00	16.35	160.18	0.27	6.52	8.65	1.52
EAS-US	2025-09-14 02:00:00	16.24	159.62	0.27	6.52	8.66	1.54
EAS-US	2025-09-14 03:00:00	16.14	159.99	0.26	6.52	8.66	1.48
EAS-US	2025-09-14 04:00:00	16.04	159.60	0.26	6.52	8.67	1.52
EAS-US	2025-09-14 05:00:00	15.95	159.97	0.26	6.52	8.66	1.48
EAS-US	2025-09-14 06:00:00	15.86	159.76	0.27	6.53	8.66	1.47
EAS-US	2025-09-14 07:00:00	15.77	160.11	0.27	6.53	8.68	1.45
EAS-US	2025-09-14 08:00:00	15.74	160.10	0.27	6.53	8.68	1.49
EAS-US	2025-09-14 09:00:00	15.72	160.70	0.27	6.53	8.67	1.48
EAS-US	2025-09-14 10:00:00	15.71	160.57	0.27	6.53	8.67	1.53
EAS-US	2025-09-14 11:00:00	15.72	161.32	0.26	6.53	8.65	1.51
EAS-US	2025-09-14 12:00:00	15.75	161.20	0.26	6.53	8.66	1.52
EAS-US	2025-09-14 13:00:00	15.80	162.05	0.27	6.53	8.65	1.55
EAS-US	2025-09-14 14:00:00	15.94	162.37	0.27	6.53	8.61	1.58
EAS-US	2025-09-14 15:00:00	15.99	163.05	0.27	6.53	8.60	1.58
EAS-US	2025-09-14 16:00:00	15.97	162.72	0.27	6.53	8.59	1.54
EAS-US	2025-09-14 17:00:00	16.59	167.90	0.27	6.53	8.52	1.59
EAS-US	2025-09-14 18:00:00	16.51	166.68	0.27	6.52	8.51	1.60
EAS-US	2025-09-14 19:00:00	16.28	165.56	0.27	6.53	8.55	1.53
EAS-US	2025-09-14 20:00:00	16.19	164.50	0.27	6.54	8.55	1.54
EAS-US	2025-09-14 21:00:00	16.11	165.13	0.27	6.54	8.55	1.52
EAS-US	2025-09-14 22:00:00	16.03	163.90	0.27	6.54	8.56	1.56
EAS-US	2025-09-14 23:00:00	15.94	164.76	0.27	6.54	8.57	1.49



Water Quality Field Data Sheet



Project: FORTIS11234

Location Information				
Site ID:	<u>WLNG (EAS) DS</u>		Date:	<u>September 9, 2025</u>
Site Name:	<u>East Creek</u>		Time:	<u>9:50</u>
Site UTM:	Zone:	E: <u></u>	Crew:	<u>AF</u>
(NAD83)	N: <u></u>		Weather:	<u>Clear</u>

In Situ Parameters			
pH:	<u>6.96</u>	DO:	<u>10.53</u> (mg/L)
Temp.:	<u>12.5</u> (°C)	Cond:	<u>170.5</u> (us)
Turbidity:	<u>3.14</u> NTU		
Visible Sheen:	<u>N</u>		
Water Surface Condition:	<u>Clear</u>		



Observations
<u>Sediment accumulation noted.</u>
<u></u>
<u></u>
<u></u>

Water Quality Field Data Sheet



Project: FORTIS11234

Location Information

Site ID:	<u>WLNG (EAS) US</u>		Date:	<u>September 9, 2025</u>	
Site Name:	<u>East Creek</u>		Time:	<u>10:20</u>	
Site UTM:	Zone:	E: <u> </u>	Crew:	<u>AF</u>	
(NAD83)	N:	<u> </u>	Weather:	<u>Clear</u>	

In Situ Parameters

pH:	<u>7.45</u>	DO:	<u>9.64</u>	(mg/L)	
Temp.:	<u>15.4</u>	(°C)	Cond:	<u>34</u>	(us)
Turbidity:	<u>1.54</u>	NTU			
Visible Sheen:	<u>N</u>				
Water Surface Condition:	<u>Clear</u>				

Photo Record

Photo



Observations

 Eagle Mountain - Woodfibre Gas Pipeline Project Waste Discharge Permit PE-110163 Report	Reporting Week	Sept 8 th to Sept 14 th , 2025
	Report #	77
	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. #: 113128

Attention: Brett Lucas

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

Report Date: 2025/09/22

Report #: R3712598

Version: 2 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C576694

Received: 2025/09/09, 16:40

Sample Matrix: Water
 # Samples Received: 8

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
Alkalinity @25C (pp, total), CO ₃ ,HCO ₃ ,OH	8	N/A	2025/09/11	BBY6SOP-00026	SM 24 2320 B m
Chloride/Sulphate by Auto Colourimetry	8	N/A	2025/09/10	BBY6SOP-00011 / BBY6SOP-00017	SM24-4500-Cl/SO ₄ -E m
Chromium III (Calc'd)	2	N/A	2025/09/15		
Chromium III (Calc'd)	6	N/A	2025/09/16		
Total Hexavalent Chromium	8	N/A	2025/09/12	BBY6SOP-00054	SM 24 3500-Cr B m
Carbon (DOC) -Lab Filtered (2)	8	N/A	2025/09/10	BBY6SOP-00053	SM 24 5310 B m
Fluoride	2	N/A	2025/09/11	BBY6SOP-00037	SM 24 4500-F C m
Fluoride	6	N/A	2025/09/12	BBY6SOP-00037	SM 24 4500-F C m
Glycols in Water by GC/FID (1)	2	N/A	2025/09/15	CAL SOP-00093	BCMOE Glycols 09/17
Sulphide (as H ₂ S) (1)	8	N/A	2025/09/16		Auto Calc
Un-ionized Hydrogen Sulphide as S Calc	6	N/A	2025/09/16	BBY WI-00033	Auto Calc
Hardness Total (calculated as CaCO ₃) (3)	8	N/A	2025/09/16	BBY WI-00033	Auto Calc
Hardness (calculated as CaCO ₃)	8	N/A	2025/09/15	BBY WI-00033	Auto Calc
Mercury (Dissolved) by CV-Lab Filtered	8	2025/09/11	2025/09/12	BBY7SOP-00032	BCMOE LM 2023 C1.1.3
Mercury (Total) by CV	8	2025/09/11	2025/09/11	BBY7SOP-00032	BCMOE LM 2023 C1.1.3
Bromide as Bromine (Br) by ICPMS	8	N/A	2025/09/17	BBY7SOP-00002	EPA 6020B R2 m
EPH in Water when PAH required	2	2025/09/15	2025/09/15	BBY8SOP-00029	BCMOE BCLM Sep2017 m
Na, K, Ca, Mg, S by CRC ICPMS (diss.)	8	N/A	2025/09/15	BBY WI-00033	Auto Calc
Elements by ICPMS Low Level (lab filter) (4)	8	N/A	2025/09/12	BBY7SOP-00002	EPA 6020b R2 m
Elements by ICPMS Digested LL (total)	3	2025/09/15	2025/09/15	BBY7SOP-00003 / BBY7SOP-00002	EPA 6020b R2 m
Na, K, Ca, Mg, S by CRC ICPMS (total)	5	N/A	2025/09/16	BBY WI-00033	Auto Calc
Elements by ICPMS Low Level (total)	5	N/A	2025/09/15	BBY7SOP-00002	EPA 6020b R2 m
Nitrogen (Total)	8	N/A	2025/09/12	BBY6SOP-00016	SM 24 4500-N C m
Ammonia-N (Total)	8	N/A	2025/09/12	AB SOP-00007	SM 24 4500 NH ₃ A G m
Nitrate + Nitrite (N)	8	N/A	2025/09/11	BBY6SOP-00010	SM 24 4500-NO ₃ - H m
Nitrite (N) Regular Level Water	8	N/A	2025/09/11	BBY6SOP-00010	SM 24 4500-NO ₂ - m
Nitrogen - Nitrate (as N)	8	N/A	2025/09/12	BBY WI-00033	Auto Calc
PAH in Water by GC/MS (SIM)	2	2025/09/15	2025/09/16	BBY8SOP-00021	BCMOE BCLM Jul2017m
Total LMW, HMW, Total PAH Calc (5)	2	N/A	2025/09/16	BBY WI-00033	Auto Calc



Your P.O. #: 4800010213
 Your Project #: Fortis11234/PE-110163
 Site Location: Woodfibre Pipeline Project
 Your C.O.C. #: 113128

Attention: Brett Lucas

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

Report Date: 2025/09/22
 Report #: R3712598
 Version: 2 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C576694

Received: 2025/09/09, 16:40

Sample Matrix: Water
 # Samples Received: 8

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
pH @25°C (6)	8	N/A	2025/09/11	BBY6SOP-00026	SM 24 4500-H+ B m
Phenols (4-AAP) (1)	2	N/A	2025/09/12	AB SOP-00088	EPA 9066 R0 m
Rainbow Trout LC50 Multi-concentration	1	N/A	2025/09/10	BBY2SOP-00004	EPS1/RM/13(2nd)&RM/9
Total Sulphide (1)	8	2025/09/15	2025/09/16	AB SOP-00080	SM 24 4500 S2-A D Fm
Total Dissolved Solids (Filt. Residue)	8	2025/09/12	2025/09/15	BBY6SOP-00033	SM 24 2540 C m
EPH less PAH in Water by GC/FID (7)	2	N/A	2025/09/16	BBY WI-00033	Auto Calc
Carbon (Total Organic) (8)	8	N/A	2025/09/10	BBY6SOP-00053	SM 24 5310 B m
Total Phosphorus Low Level Total	8	2025/09/11	2025/09/12	BBY6SOP-00013	SM 24 4500-P E m
Total Suspended Solids (NFR)	7	2025/09/12	2025/09/15	BBY6SOP-00034	SM 24 2540 D m
Total Suspended Solids (NFR)	1	2025/09/15	2025/09/16	BBY6SOP-00034	SM 24 2540 D m
Field pH	6	N/A	2025/09/10	Field Test	Field Test
Field Temperature	6	N/A	2025/09/10	Field Test	Field Test
VOCs, VH, F1, LH in Water by HS GC/MS	2	N/A	2025/09/12	BBY8SOP-00009 / BBY8SOP-00011 / BBY8SOP-00012	BCMOE BCLM Jul2017 m
Volatile HC-BTEX (9)	2	N/A	2025/09/14	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.



Your P.O. #: 4800010213
Your Project #: Fortis11234/PE-110163
Site Location: Woodfibre Pipeline Project
Your C.O.C. #: 113128

Attention: Brett Lucas

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

Report Date: 2025/09/22

Report #: R3712598

Version: 2 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C576694

Received: 2025/09/09, 16:40

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

Shanaz Akbar, Customer Solutions Representative

Email: Shanaz.Akbar@bureauveritas.com

Phone# (604) 734 7276

=====

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.



RESULTS OF CHEMICAL ANALYSES OF WATER

Bureau Veritas ID		DSN093			DSN094			DSN095		
Sampling Date		2025/09/09			2025/09/09			2025/09/09		
COC Number		113128			113128			113128		
	UNITS	WLNG-DS	RDL	QC Batch	WLNG -EOP	RDL	QC Batch	WLNG-US	RDL	QC Batch
ANIONS										
Nitrite (N)	mg/L	<0.0050	0.0050	C082143	<0.0050	0.0050	C082143	<0.0050	0.0050	C082042
Calculated Parameters										
Total Chromium III	mg/L	<0.00099	0.00099	C080500	<0.00099	0.00099	C080500	<0.00099	0.00099	C080500
Dissolved Hardness (CaCO3)	mg/L	65.5	0.50	C080245	64.8	0.50	C080245	9.72	0.50	C080245
Total Hardness (CaCO3)	mg/L	66.6	0.50	C080240	65.1	0.50	C080240	8.12	0.50	C080240
Nitrate (N)	mg/L	<0.020	0.020	C080254	<0.020	0.020	C080254	<0.020	0.020	C080254
Sulphide (as H2S)	mg/L	<0.0020	0.0020	C080130	<0.0020	0.0020	C080130	<0.0020	0.0020	C080130
Field Parameters										
Field pH	pH	6.96	N/A	ONSITE	7.48	N/A	ONSITE	7.45	N/A	ONSITE
Field Temperature	°C	12.5	N/A	ONSITE	11.9	N/A	ONSITE	15.4	N/A	ONSITE
Misc. Inorganics										
pH	pH	7.82	N/A	C080743	7.75	N/A	C080743	6.69	N/A	C080743
Total Organic Carbon (C)	mg/L	1.5	0.50	C080790	1.5	0.50	C080790	2.1	0.50	C080790
Total Dissolved Solids	mg/L	110	10	C083733	100	10	C083733	44	10	C083733
Total Suspended Solids	mg/L	1.2	1.0	C083479	2.4	1.0	C085929	3.2	1.0	C083482
Lab Filtered Inorganics										
Dissolved Organic Carbon (C)	mg/L	1.3	0.50	C080027	1.2	0.50	C080027	1.9	0.50	C080027
Anions										
Alkalinity (PP as CaCO3)	mg/L	<1.0	1.0	C080756	<1.0	1.0	C080756	<1.0	1.0	C080756
Alkalinity (Total as CaCO3)	mg/L	54	1.0	C080756	53	1.0	C080756	10	1.0	C080756
Bicarbonate (HCO3)	mg/L	66	1.0	C080756	65	1.0	C080756	13	1.0	C080756
Carbonate (CO3)	mg/L	<1.0	1.0	C080756	<1.0	1.0	C080756	<1.0	1.0	C080756
Fluoride (F)	mg/L	0.25	0.050	C082517	0.23	0.050	C082517	<0.050	0.050	C082513
Hydroxide (OH)	mg/L	<1.0	1.0	C080756	<1.0	1.0	C080756	<1.0	1.0	C080756
Total Sulphide	mg/L	<0.0018	0.0018	C085969	<0.0018	0.0018	C085969	<0.0018	0.0018	C085969
Chloride (Cl)	mg/L	10	1.0	C081194	10	1.0	C081210	<1.0	1.0	C081210
Sulphate (SO4)	mg/L	13	1.0	C081194	12	1.0	C081210	2.2	1.0	C081210
Metals										
Total Hex. Chromium (Cr 6+)	mg/L	<0.00099	0.00099	C083653	<0.00099	0.00099	C083653	<0.00099	0.00099	C083653
Nutrients										
Total Ammonia (N)	mg/L	<0.015	0.015	C084265	<0.015	0.015	C084265	<0.015	0.015	C084296
RDL = Reportable Detection Limit										
N/A = Not Applicable										



Bureau Veritas Job #: C576694
Report Date: 2025/09/22

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

RESULTS OF CHEMICAL ANALYSES OF WATER

Bureau Veritas ID		DSN093			DSN094			DSN095		
Sampling Date		2025/09/09			2025/09/09			2025/09/09		
COC Number		113128			113128			113128		
	UNITS	WLNG-DS	RDL	QC Batch	WLNG -EOP	RDL	QC Batch	WLNG-US	RDL	QC Batch
Total Phosphorus (P)	mg/L	0.0040	0.0010	C081863	0.0036	0.0010	C081863	0.012	0.0010	C081863
Nitrate plus Nitrite (N)	mg/L	<0.020	0.020	C082085	<0.020	0.020	C082085	<0.020	0.020	C082035
Total Nitrogen (N)	mg/L	0.256	0.020	C082342	0.226	0.020	C082342	0.159	0.020	C082342
Misc. Organics										
Phenols	mg/L				<0.0015	0.0015	C083933			
Rainbow Trout										
LC50	% vol/vol				ATTACHED	N/A	C081122			
RDL = Reportable Detection Limit										
N/A = Not Applicable										



Bureau Veritas Job #: C576694
Report Date: 2025/09/22

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

RESULTS OF CHEMICAL ANALYSES OF WATER

Bureau Veritas ID		DSN095			DSN096		DSN097		
Sampling Date		2025/09/09			2025/09/09		2025/09/09		
COC Number		113128			113128		113128		
	UNITS	WLNG-US Lab-Dup	RDL	QC Batch	SQRI-US	QC Batch	SQRI-DS	RDL	QC Batch
ANIONS									
Nitrite (N)	mg/L	<0.0050	0.0050	C082042	<0.0050	C081944	<0.0050	0.0050	C082143
Calculated Parameters									
Total Chromium III	mg/L				0.0020	C080500	0.0019	0.00099	C080500
Dissolved Hardness (CaCO ₃)	mg/L				9.58	C080245	10.8	0.50	C080245
Total Hardness (CaCO ₃)	mg/L				19.2	C080240	20.0	0.50	C080240
Nitrate (N)	mg/L				0.027	C080254	0.035	0.020	C080254
Sulphide (as H ₂ S)	mg/L				0.0051	C080130	<0.0020	0.0020	C080130
Field Parameters									
Field pH	pH				6.75	ONSITE	6.58	N/A	ONSITE
Field Temperature	°C				13.7	ONSITE	14.9	N/A	ONSITE
Misc. Inorganics									
pH	pH				6.58	C081198	6.61	N/A	C081198
Total Organic Carbon (C)	mg/L				0.65	C080790	0.63	0.50	C080790
Total Dissolved Solids	mg/L				52	C083733	40	10	C083733
Total Suspended Solids	mg/L				180	C083482	240	1.0	C083482
Lab Filtered Inorganics									
Dissolved Organic Carbon (C)	mg/L				0.58	C080027	0.53	0.50	C080027
Anions									
Alkalinity (PP as CaCO ₃)	mg/L				<1.0	C081201	<1.0	1.0	C081201
Alkalinity (Total as CaCO ₃)	mg/L				8.2	C081201	9.6	1.0	C081201
Bicarbonate (HCO ₃)	mg/L				10	C081201	12	1.0	C081201
Carbonate (CO ₃)	mg/L				<1.0	C081201	<1.0	1.0	C081201
Fluoride (F)	mg/L				<0.050	C082513	<0.050	0.050	C082513
Hydroxide (OH)	mg/L				<1.0	C081201	<1.0	1.0	C081201
Total Sulphide	mg/L				0.0048	C085969	<0.0018	0.0018	C085969
Chloride (Cl)	mg/L				1.3	C081210	1.8	1.0	C081210
Sulphate (SO ₄)	mg/L				3.0	C081210	3.3	1.0	C081210
Metals									
Total Hex. Chromium (Cr 6+)	mg/L				<0.00099	C083653	<0.00099	0.00099	C083653
RDL = Reportable Detection Limit Lab-Dup = Laboratory Initiated Duplicate N/A = Not Applicable									



Bureau Veritas Job #: C576694
Report Date: 2025/09/22

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

RESULTS OF CHEMICAL ANALYSES OF WATER

Bureau Veritas ID		DSN095			DSN096		DSN097		
Sampling Date		2025/09/09			2025/09/09		2025/09/09		
COC Number		113128			113128		113128		
	UNITS	WLNG-US Lab-Dup	RDL	QC Batch	SQRI-US	QC Batch	SQRI-DS	RDL	QC Batch
Nutrients									
Total Ammonia (N)	mg/L				0.076	C084296	0.098	0.015	C084296
Total Phosphorus (P)	mg/L				0.22	C081863	0.18	0.0010	C081863
Nitrate plus Nitrite (N)	mg/L	<0.020	0.020	C082035	0.027	C081914	0.035	0.020	C082085
Total Nitrogen (N)	mg/L				0.233	C082342	0.259	0.020	C082342
RDL = Reportable Detection Limit									
Lab-Dup = Laboratory Initiated Duplicate									



Bureau Veritas Job #: C576694
Report Date: 2025/09/22

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

RESULTS OF CHEMICAL ANALYSES OF WATER

Bureau Veritas ID		DSN098			DSN098			DSN099		
Sampling Date		2025/09/09			2025/09/09			2025/09/09		
COC Number		113128			113128			113128		
	UNITS	Field Blank	RDL	QC Batch	Field Blank Lab-Dup	RDL	QC Batch	Trip Blank	RDL	QC Batch
ANIONS										
Nitrite (N)	mg/L	<0.0050	0.0050	C082143				<0.0050	0.0050	C082143
Calculated Parameters										
Total Chromium III	mg/L	<0.00099	0.00099	C080499				<0.00099	0.00099	C080500
Dissolved Hardness (CaCO ₃)	mg/L	<0.50	0.50	C080245				<0.50	0.50	C080245
Total Hardness (CaCO ₃)	mg/L	<0.50	0.50	C080240				<0.50	0.50	C080240
Nitrate (N)	mg/L	<0.020	0.020	C080254				<0.020	0.020	C080254
Sulphide (as H ₂ S)	mg/L	<0.0020	0.0020	C080130				<0.0020	0.0020	C080130
Misc. Inorganics										
pH	pH	5.91	N/A	C081198				5.75	N/A	C081198
Total Organic Carbon (C)	mg/L	<0.50	0.50	C080790				<0.50	0.50	C080790
Total Dissolved Solids	mg/L	<10	10	C083733	<10	10	C083733	<10	10	C083733
Total Suspended Solids	mg/L	<1.0	1.0	C083482				<1.0	1.0	C083482
Lab Filtered Inorganics										
Dissolved Organic Carbon (C)	mg/L	<0.50	0.50	C080027				<0.50	0.50	C080027
Anions										
Alkalinity (PP as CaCO ₃)	mg/L	<1.0	1.0	C081201				<1.0	1.0	C081201
Alkalinity (Total as CaCO ₃)	mg/L	<1.0	1.0	C081201				<1.0	1.0	C081201
Bicarbonate (HCO ₃)	mg/L	<1.0	1.0	C081201				<1.0	1.0	C081201
Carbonate (CO ₃)	mg/L	<1.0	1.0	C081201				<1.0	1.0	C081201
Fluoride (F)	mg/L	<0.050	0.050	C082513				<0.050	0.050	C082162
Hydroxide (OH)	mg/L	<1.0	1.0	C081201				<1.0	1.0	C081201
Total Sulphide	mg/L	<0.0018	0.0018	C085969				<0.0018	0.0018	C085969
Chloride (Cl)	mg/L	<1.0	1.0	C081210				<1.0	1.0	C081210
Sulphate (SO ₄)	mg/L	<1.0	1.0	C081210				<1.0	1.0	C081210
Metals										
Total Hex. Chromium (Cr 6+)	mg/L	<0.00099	0.00099	C083653				<0.00099	0.00099	C083653
Nutrients										
Total Ammonia (N)	mg/L	<0.015	0.015	C084296				<0.015	0.015	C084296
Total Phosphorus (P)	mg/L	<0.0010	0.0010	C081863	<0.0010	0.0010	C081863	<0.0010	0.0010	C081863
RDL = Reportable Detection Limit Lab-Dup = Laboratory Initiated Duplicate N/A = Not Applicable										



Bureau Veritas Job #: C576694
Report Date: 2025/09/22

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

RESULTS OF CHEMICAL ANALYSES OF WATER

Bureau Veritas ID		DSN098			DSN098			DSN099		
Sampling Date		2025/09/09			2025/09/09			2025/09/09		
COC Number		113128			113128			113128		
	UNITS	Field Blank	RDL	QC Batch	Field Blank Lab-Dup	RDL	QC Batch	Trip Blank	RDL	QC Batch
Nitrate plus Nitrite (N)	mg/L	<0.020	0.020	C082085				<0.020	0.020	C082085
Total Nitrogen (N)	mg/L	0.060	0.020	C082342				0.077	0.020	C082369
RDL = Reportable Detection Limit Lab-Dup = Laboratory Initiated Duplicate										



Bureau Veritas Job #: C576694
Report Date: 2025/09/22

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

RESULTS OF CHEMICAL ANALYSES OF WATER

Bureau Veritas ID		DSN099			DSN100			DSN100		
Sampling Date		2025/09/09			2025/09/09			2025/09/09		
COC Number		113128			113128			113128		
	UNITS	Trip Blank Lab-Dup	RDL	QC Batch	Dup	RDL	QC Batch	Dup Lab-Dup	RDL	QC Batch
ANIONS										
Nitrite (N)	mg/L				<0.0050	0.0050	C082143			
Calculated Parameters										
Total Chromium III	mg/L				<0.00099	0.00099	C080500			
Dissolved Hardness (CaCO ₃)	mg/L				63.2	0.50	C080245			
Total Hardness (CaCO ₃)	mg/L				64.0	0.50	C080240			
Nitrate (N)	mg/L				<0.020	0.020	C080254			
Sulphide (as H ₂ S)	mg/L				<0.0020	0.0020	C080130			
Field Parameters										
Field pH	pH				7.48	N/A	ONSITE			
Field Temperature	°C				11.9	N/A	ONSITE			
Misc. Inorganics										
pH	pH	5.70	N/A	C081198	7.55	N/A	C081198			
Total Organic Carbon (C)	mg/L	<0.50	0.50	C080790	1.6	0.50	C080790			
Total Dissolved Solids	mg/L				100	10	C083733			
Total Suspended Solids	mg/L	<1.0	1.0	C083482	2.0	1.0	C083482			
Lab Filtered Inorganics										
Dissolved Organic Carbon (C)	mg/L				1.4	0.50	C080027			
Anions										
Alkalinity (PP as CaCO ₃)	mg/L	<1.0	1.0	C081201	<1.0	1.0	C081201			
Alkalinity (Total as CaCO ₃)	mg/L	<1.0	1.0	C081201	51	1.0	C081201			
Bicarbonate (HCO ₃)	mg/L	<1.0	1.0	C081201	62	1.0	C081201			
Carbonate (CO ₃)	mg/L	<1.0	1.0	C081201	<1.0	1.0	C081201			
Fluoride (F)	mg/L				0.25	0.050	C082162			
Hydroxide (OH)	mg/L	<1.0	1.0	C081201	<1.0	1.0	C081201			
Total Sulphide	mg/L	<0.0018	0.0018	C085969	<0.0018	0.0018	C085969			
Chloride (Cl)	mg/L				10	1.0	C081210			
Sulphate (SO ₄)	mg/L				13	1.0	C081210			
Metals										
Total Hex. Chromium (Cr 6+)	mg/L				<0.00099	0.00099	C083653	<0.00099	0.00099	C083653
RDL = Reportable Detection Limit Lab-Dup = Laboratory Initiated Duplicate N/A = Not Applicable										



Bureau Veritas Job #: C576694
Report Date: 2025/09/22

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

RESULTS OF CHEMICAL ANALYSES OF WATER

Bureau Veritas ID		DSN099			DSN100			DSN100		
Sampling Date		2025/09/09			2025/09/09			2025/09/09		
COC Number		113128			113128			113128		
	UNITS	Trip Blank Lab-Dup	RDL	QC Batch	Dup	RDL	QC Batch	Dup Lab-Dup	RDL	QC Batch
Nutrients										
Total Ammonia (N)	mg/L				0.017	0.015	C084296			
Total Phosphorus (P)	mg/L				0.0028	0.0010	C081863			
Nitrate plus Nitrite (N)	mg/L				<0.020	0.020	C082085			
Total Nitrogen (N)	mg/L	0.111	0.020	C082369	0.271	0.020	C082369			
Misc. Organics										
Phenols	mg/L				<0.0015	0.0015	C083933			
RDL = Reportable Detection Limit Lab-Dup = Laboratory Initiated Duplicate										



Bureau Veritas Job #: C576694
Report Date: 2025/09/22

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

GLYCOLS BY GC-FID (WATER)

Bureau Veritas ID		DSN094	DSN100		
Sampling Date		2025/09/09	2025/09/09		
COC Number		113128	113128		
	UNITS	WLNG -EOP	Dup	RDL	QC Batch
Glycols					
Ethylene Glycol	mg/L	<3.0	<3.0	3.0	C085489
Diethylene Glycol	mg/L	<5.0	<5.0	5.0	C085489
Triethylene Glycol	mg/L	<5.0	<5.0	5.0	C085489
Propylene Glycol	mg/L	<5.0	<5.0	5.0	C085489
Surrogate Recovery (%)					
Methyl Sulfone (sur.)	%	101	100		C085489
RDL = Reportable Detection Limit					



Bureau Veritas Job #: C576694
Report Date: 2025/09/22

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

MERCURY BY COLD VAPOR (WATER)

Bureau Veritas ID		DSN093	DSN093	DSN094	DSN095	DSN096	DSN097		
Sampling Date		2025/09/09	2025/09/09	2025/09/09	2025/09/09	2025/09/09	2025/09/09		
COC Number		113128	113128	113128	113128	113128	113128		
	UNITS	WLNG-DS	WLNG-DS Lab-Dup	WLNG -EOP	WLNG-US	SQRI-US	SQRI-DS	RDL	QC Batch
Elements									
Total Mercury (Hg)	ug/L	<0.0019	<0.0019	<0.0019	<0.0019	0.0033	0.0026	0.0019	C081834
Lab Filtered Elements									
Dissolved Mercury (Hg)	ug/L	<0.0019	<0.0019	<0.0019	<0.0019	<0.0019	<0.0019	0.0019	C082912
RDL = Reportable Detection Limit									
Lab-Dup = Laboratory Initiated Duplicate									

Bureau Veritas ID		DSN098	DSN099	DSN100		
Sampling Date		2025/09/09	2025/09/09	2025/09/09		
COC Number		113128	113128	113128		
	UNITS	Field Blank	Trip Blank	Dup	RDL	QC Batch
Elements						
Total Mercury (Hg)	ug/L	<0.0019	<0.0019	<0.0019	0.0019	C081834
Lab Filtered Elements						
Dissolved Mercury (Hg)	ug/L	<0.0019	<0.0019	<0.0019	0.0019	C082912
RDL = Reportable Detection Limit						



Bureau Veritas Job #: C576694
Report Date: 2025/09/22

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

ELEMENTS BY ATOMIC SPECTROSCOPY (WATER)

Bureau Veritas ID		DSN093	DSN094			DSN095			DSN095		
Sampling Date		2025/09/09	2025/09/09			2025/09/09			2025/09/09		
COC Number		113128	113128			113128			113128		
	UNITS	WLNG-DS	WLNG-EOP	RDL	QC Batch	WLNG-US	RDL	QC Batch	WLNG-US Lab-Dup	RDL	QC Batch

ANIONS

Bromide (Br)	mg/L	0.032	<0.010	0.010	C081558	<0.010	0.010	C081558			
--------------	------	-------	--------	-------	---------	--------	-------	---------	--	--	--

Dissolved Metals by ICPMS

Dissolved Calcium (Ca)	mg/L	24.3	24.1	0.050	C080249	3.31	0.050	C080249			
Dissolved Magnesium (Mg)	mg/L	1.17	1.15	0.050	C080249	0.353	0.050	C080249			
Dissolved Potassium (K)	mg/L	1.04	0.979	0.050	C080249	0.194	0.050	C080249			
Dissolved Sodium (Na)	mg/L	5.98	5.99	0.050	C080249	2.05	0.050	C080249			
Dissolved Sulphur (S)	mg/L	4.6	4.5	3.0	C080249	<3.0	3.0	C080249			

Lab Filtered Metals

Dissolved Aluminum (Al)	ug/L	53.4	56.0	0.50	C083590	30.8	0.50	C083590			
Dissolved Antimony (Sb)	ug/L	0.202	0.181	0.020	C083590	0.025	0.020	C083590			
Dissolved Arsenic (As)	ug/L	1.21	1.31	0.020	C083590	0.124	0.020	C083590			
Dissolved Barium (Ba)	ug/L	7.38	7.09	0.020	C083590	5.52	0.020	C083590			
Dissolved Beryllium (Be)	ug/L	<0.010	<0.010	0.010	C083590	<0.010	0.010	C083590			
Dissolved Bismuth (Bi)	ug/L	<0.0050	<0.0050	0.0050	C083590	<0.0050	0.0050	C083590			
Dissolved Boron (B)	ug/L	<10	<10	10	C083590	<10	10	C083590			
Dissolved Cadmium (Cd)	ug/L	0.0099	0.0109	0.0050	C083590	<0.0050	0.0050	C083590			
Dissolved Cesium (Cs)	ug/L	<0.050	0.051	0.050	C083590	<0.050	0.050	C083590			
Dissolved Chromium (Cr)	ug/L	<0.10	<0.10	0.10	C083590	<0.10	0.10	C083590			
Dissolved Cobalt (Co)	ug/L	0.0715	0.0704	0.0050	C083590	0.0158	0.0050	C083590			
Dissolved Copper (Cu)	ug/L	0.176	0.266	0.050	C083590	0.635	0.050	C083590			
Dissolved Iron (Fe)	ug/L	<1.0	<1.0	1.0	C083590	52.7	1.0	C083590			
Dissolved Lead (Pb)	ug/L	<0.0050	0.0101	0.0050	C083590	0.0185	0.0050	C083590			
Dissolved Lithium (Li)	ug/L	2.65	2.56	0.50	C083590	<0.50	0.50	C083590			
Dissolved Manganese (Mn)	ug/L	40.9	42.2	0.050	C083590	0.857	0.050	C083590			
Dissolved Molybdenum (Mo)	ug/L	32.0	32.4	0.050	C083590	0.664	0.050	C083590			
Dissolved Nickel (Ni)	ug/L	0.253	0.235	0.020	C083590	0.233	0.020	C083590			
Dissolved Phosphorus (P)	ug/L	<2.0	2.3	2.0	C083590	4.3	2.0	C083590			
Dissolved Rubidium (Rb)	ug/L	2.28	2.11	0.050	C083590	0.556	0.050	C083590			
Dissolved Selenium (Se)	ug/L	<0.040	0.043	0.040	C083590	<0.040	0.040	C083590			
Dissolved Silicon (Si)	ug/L	6830	6790	50	C083590	4910	50	C083590			
Dissolved Silver (Ag)	ug/L	<0.0050	<0.0050	0.0050	C083590	<0.0050	0.0050	C083590			
Dissolved Strontium (Sr)	ug/L	55.8	53.6	0.050	C083590	16.7	0.050	C083590			

RDL = Reportable Detection Limit

Lab-Dup = Laboratory Initiated Duplicate



ELEMENTS BY ATOMIC SPECTROSCOPY (WATER)

Bureau Veritas ID		DSN093	DSN094			DSN095			DSN095		
Sampling Date		2025/09/09	2025/09/09			2025/09/09			2025/09/09		
COC Number		113128	113128			113128			113128		
	UNITS	WLNG-DS	WLNG-EOP	RDL	QC Batch	WLNG-US	RDL	QC Batch	WLNG-US Lab-Dup	RDL	QC Batch
Dissolved Tellurium (Te)	ug/L	<0.020	<0.020	0.020	C083590	<0.020	0.020	C083590			
Dissolved Thallium (Tl)	ug/L	0.0074	0.0062	0.0020	C083590	0.0025	0.0020	C083590			
Dissolved Thorium (Th)	ug/L	<0.0050	<0.0050	0.0050	C083590	0.0088	0.0050	C083590			
Dissolved Tin (Sn)	ug/L	<0.20	<0.20	0.20	C083590	<0.20	0.20	C083590			
Dissolved Titanium (Ti)	ug/L	<0.50	<0.50	0.50	C083590	<0.50	0.50	C083590			
Dissolved Uranium (U)	ug/L	0.743	0.705	0.0020	C083590	0.0567	0.0020	C083590			
Dissolved Vanadium (V)	ug/L	<0.20	<0.20	0.20	C083590	0.21	0.20	C083590			
Dissolved Zinc (Zn)	ug/L	0.80	1.49	0.10	C083590	0.51	0.10	C083590			
Dissolved Zirconium (Zr)	ug/L	<0.10	<0.10	0.10	C083590	<0.10	0.10	C083590			
Total Metals by ICPMS											
Total Aluminum (Al)	ug/L	138	148	0.50	C084308	53.7	3.0	C085561	57.4	3.0	C085561
Total Antimony (Sb)	ug/L	0.201	0.164	0.020	C084308	<0.020	0.020	C085561	<0.020	0.020	C085561
Total Arsenic (As)	ug/L	1.34	1.35	0.020	C084308	0.105	0.020	C085561	0.107	0.020	C085561
Total Barium (Ba)	ug/L	7.71	7.67	0.020	C084308	5.00	0.050	C085561	4.74	0.050	C085561
Total Beryllium (Be)	ug/L	<0.010	<0.010	0.010	C084308	<0.010	0.010	C085561	<0.010	0.010	C085561
Total Bismuth (Bi)	ug/L	<0.0050	<0.0050	0.0050	C084308	<0.010	0.010	C085561	<0.010	0.010	C085561
Total Boron (B)	ug/L	19	15	10	C084308	<10	10	C085561	<10	10	C085561
Total Cadmium (Cd)	ug/L	<0.0050	<0.0050	0.0050	C084308	<0.0050	0.0050	C085561	<0.0050	0.0050	C085561
Total Cesium (Cs)	ug/L	0.055	0.067	0.050	C084308	<0.050	0.050	C085561	<0.050	0.050	C085561
Total Chromium (Cr)	ug/L	<0.10	<0.10	0.10	C084308	0.11	0.10	C085561	<0.10	0.10	C085561
Total Cobalt (Co)	ug/L	0.0873	0.0793	0.0050	C084308	0.028	0.010	C085561	0.025	0.010	C085561
Total Copper (Cu)	ug/L	0.179	0.513	0.050	C084308	0.61	0.10	C085561	0.57	0.10	C085561
Total Iron (Fe)	ug/L	36.4	22.0	1.0	C084308	88.8	5.0	C085561	89.5	5.0	C085561
Total Lead (Pb)	ug/L	0.0110	0.0768	0.0050	C084308	0.032	0.020	C085561	0.035	0.020	C085561
Total Lithium (Li)	ug/L	2.97	3.01	0.50	C084308	<0.50	0.50	C085561	<0.50	0.50	C085561
Total Manganese (Mn)	ug/L	43.1	42.9	0.050	C084308	2.49	0.10	C085561	2.57	0.10	C085561
Total Molybdenum (Mo)	ug/L	32.8	34.2	0.050	C084308	0.522	0.050	C085561	0.510	0.050	C085561
Total Nickel (Ni)	ug/L	0.307	0.256	0.020	C084308	0.23	0.10	C085561	0.23	0.10	C085561
Total Phosphorus (P)	ug/L	3.7	<2.0	2.0	C084308	9.8	5.0	C085561	8.1	5.0	C085561
Total Rubidium (Rb)	ug/L	2.42	2.21	0.050	C084308	0.498	0.050	C085561	0.469	0.050	C085561
Total Selenium (Se)	ug/L	0.040	<0.040	0.040	C084308	<0.040	0.040	C085561	<0.040	0.040	C085561
Total Silicon (Si)	ug/L	6590	6880	50	C084308	4120	50	C085561	3940	50	C085561
Total Silver (Ag)	ug/L	<0.0050	<0.0050	0.0050	C084308	<0.010	0.010	C085561	<0.010	0.010	C085561
RDL = Reportable Detection Limit											
Lab-Dup = Laboratory Initiated Duplicate											



Bureau Veritas Job #: C576694
Report Date: 2025/09/22

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

ELEMENTS BY ATOMIC SPECTROSCOPY (WATER)

Bureau Veritas ID		DSN093	DSN094			DSN095			DSN095		
Sampling Date		2025/09/09	2025/09/09			2025/09/09			2025/09/09		
COC Number		113128	113128			113128			113128		
	UNITS	WLNG-DS	WLNG -EOP	RDL	QC Batch	WLNG-US	RDL	QC Batch	WLNG-US Lab-Dup	RDL	QC Batch
Total Strontium (Sr)	ug/L	59.1	56.8	0.050	C084308	14.7	0.050	C085561	14.3	0.050	C085561
Total Tellurium (Te)	ug/L	<0.020	<0.020	0.020	C084308	<0.020	0.020	C085561	<0.020	0.020	C085561
Total Thallium (Tl)	ug/L	0.0084	0.0067	0.0020	C084308	0.0027	0.0020	C085561	<0.0020	0.0020	C085561
Total Thorium (Th)	ug/L	<0.050	<0.050	0.050	C084308	<0.050	0.050	C085561	<0.050	0.050	C085561
Total Tin (Sn)	ug/L	<0.20	<0.20	0.20	C084308	<0.20	0.20	C085561	<0.20	0.20	C085561
Total Titanium (Ti)	ug/L	1.00	<0.50	0.50	C084308	<2.0	2.0	C085561	<2.0	2.0	C085561
Total Uranium (U)	ug/L	0.845	0.843	0.0020	C084308	0.0466	0.0050	C085561	0.0422	0.0050	C085561
Total Vanadium (V)	ug/L	0.21	<0.20	0.20	C084308	<0.20	0.20	C085561	0.21	0.20	C085561
Total Zinc (Zn)	ug/L	1.05	1.72	0.10	C084308	1.2	1.0	C085561	<1.0	1.0	C085561
Total Zirconium (Zr)	ug/L	<0.10	<0.10	0.10	C084308	<0.10	0.10	C085561	<0.10	0.10	C085561
Total Calcium (Ca)	mg/L	24.7	24.2	0.050	C080521						
Total Magnesium (Mg)	mg/L	1.20	1.14	0.050	C080521						
Total Potassium (K)	mg/L	1.10	1.02	0.050	C080521						
Total Sodium (Na)	mg/L	6.14	6.02	0.050	C080521						
Total Sulphur (S)	mg/L	3.8	3.8	3.0	C080521						
RDL = Reportable Detection Limit											
Lab-Dup = Laboratory Initiated Duplicate											



ELEMENTS BY ATOMIC SPECTROSCOPY (WATER)

Bureau Veritas ID		DSN096	DSN097			DSN098	DSN099		
Sampling Date		2025/09/09	2025/09/09			2025/09/09	2025/09/09		
COC Number		113128	113128			113128	113128		
	UNITS	SQRI-US	SQRI-DS	RDL	QC Batch	Field Blank	Trip Blank	RDL	QC Batch
ANIONS									
Bromide (Br)	mg/L	<0.010	<0.010	0.010	C081558	<0.010	<0.010	0.010	C081558
Dissolved Metals by ICPMS									
Dissolved Calcium (Ca)	mg/L	3.19	3.59	0.050	C080249	<0.050	<0.050	0.050	C080249
Dissolved Magnesium (Mg)	mg/L	0.391	0.440	0.050	C080249	<0.050	<0.050	0.050	C080249
Dissolved Potassium (K)	mg/L	0.561	0.578	0.050	C080249	<0.050	<0.050	0.050	C080249
Dissolved Sodium (Na)	mg/L	1.27	1.50	0.050	C080249	<0.050	<0.050	0.050	C080249
Dissolved Sulphur (S)	mg/L	<3.0	<3.0	3.0	C080249	<3.0	<3.0	3.0	C080249
Lab Filtered Metals									
Dissolved Aluminum (Al)	ug/L	38.3	32.1	0.50	C083590	<0.50	<0.50	0.50	C083590
Dissolved Antimony (Sb)	ug/L	<0.020	<0.020	0.020	C083590	<0.020	<0.020	0.020	C083590
Dissolved Arsenic (As)	ug/L	0.120	0.119	0.020	C083590	<0.020	<0.020	0.020	C083590
Dissolved Barium (Ba)	ug/L	5.20	5.37	0.020	C083590	<0.020	<0.020	0.020	C083590
Dissolved Beryllium (Be)	ug/L	<0.010	<0.010	0.010	C083590	<0.010	<0.010	0.010	C083590
Dissolved Bismuth (Bi)	ug/L	<0.0050	<0.0050	0.0050	C083590	<0.0050	<0.0050	0.0050	C083590
Dissolved Boron (B)	ug/L	<10	<10	10	C083590	<10	<10	10	C083590
Dissolved Cadmium (Cd)	ug/L	<0.0050	<0.0050	0.0050	C083590	<0.0050	<0.0050	0.0050	C083590
Dissolved Cesium (Cs)	ug/L	<0.050	<0.050	0.050	C083590	<0.050	<0.050	0.050	C083590
Dissolved Chromium (Cr)	ug/L	<0.10	<0.10	0.10	C083590	<0.10	<0.10	0.10	C083590
Dissolved Cobalt (Co)	ug/L	0.0462	0.0482	0.0050	C083590	<0.0050	<0.0050	0.0050	C083590
Dissolved Copper (Cu)	ug/L	0.427	0.451	0.050	C083590	<0.050	<0.050	0.050	C083590
Dissolved Iron (Fe)	ug/L	25.1	22.7	1.0	C083590	<1.0	<1.0	1.0	C083590
Dissolved Lead (Pb)	ug/L	0.0095	0.0078	0.0050	C083590	<0.0050	<0.0050	0.0050	C083590
Dissolved Lithium (Li)	ug/L	0.54	0.57	0.50	C083590	<0.50	<0.50	0.50	C083590
Dissolved Manganese (Mn)	ug/L	11.9	13.0	0.050	C083590	<0.050	<0.050	0.050	C083590
Dissolved Molybdenum (Mo)	ug/L	0.352	0.377	0.050	C083590	<0.050	<0.050	0.050	C083590
Dissolved Nickel (Ni)	ug/L	0.090	0.101	0.020	C083590	<0.020	<0.020	0.020	C083590
Dissolved Phosphorus (P)	ug/L	3.7	7.5	2.0	C083590	2.2	<2.0	2.0	C083590
Dissolved Rubidium (Rb)	ug/L	0.936	1.01	0.050	C083590	<0.050	<0.050	0.050	C083590
Dissolved Selenium (Se)	ug/L	<0.040	<0.040	0.040	C083590	<0.040	<0.040	0.040	C083590
Dissolved Silicon (Si)	ug/L	2360	2900	50	C083590	<50	<50	50	C083590
Dissolved Silver (Ag)	ug/L	<0.0050	<0.0050	0.0050	C083590	<0.0050	<0.0050	0.0050	C083590
Dissolved Strontium (Sr)	ug/L	20.1	23.0	0.050	C083590	<0.050	<0.050	0.050	C083590
RDL = Reportable Detection Limit									



ELEMENTS BY ATOMIC SPECTROSCOPY (WATER)

Bureau Veritas ID		DSN096	DSN097			DSN098	DSN099		
Sampling Date		2025/09/09	2025/09/09			2025/09/09	2025/09/09		
COC Number		113128	113128			113128	113128		
	UNITS	SQRI-US	SQRI-DS	RDL	QC Batch	Field Blank	Trip Blank	RDL	QC Batch
Dissolved Tellurium (Te)	ug/L	<0.020	<0.020	0.020	C083590	<0.020	<0.020	0.020	C083590
Dissolved Thallium (Tl)	ug/L	0.0041	0.0025	0.0020	C083590	<0.0020	<0.0020	0.0020	C083590
Dissolved Thorium (Th)	ug/L	<0.0050	<0.0050	0.0050	C083590	<0.0050	<0.0050	0.0050	C083590
Dissolved Tin (Sn)	ug/L	<0.20	<0.20	0.20	C083590	<0.20	<0.20	0.20	C083590
Dissolved Titanium (Ti)	ug/L	1.53	1.17	0.50	C083590	<0.50	<0.50	0.50	C083590
Dissolved Uranium (U)	ug/L	0.0220	0.0197	0.0020	C083590	<0.0020	<0.0020	0.0020	C083590
Dissolved Vanadium (V)	ug/L	0.87	1.01	0.20	C083590	<0.20	<0.20	0.20	C083590
Dissolved Zinc (Zn)	ug/L	0.15	0.18	0.10	C083590	<0.10	<0.10	0.10	C083590
Dissolved Zirconium (Zr)	ug/L	<0.10	<0.10	0.10	C083590	<0.10	<0.10	0.10	C083590
Total Metals by ICPMS									
Total Aluminum (Al)	ug/L	4280	4440	3.0	C085561	<0.50	<0.50	0.50	C084308
Total Antimony (Sb)	ug/L	<0.020	<0.020	0.020	C085561	<0.020	<0.020	0.020	C084308
Total Arsenic (As)	ug/L	0.410	0.370	0.020	C085561	<0.020	<0.020	0.020	C084308
Total Barium (Ba)	ug/L	70.2	65.2	0.050	C085561	<0.020	<0.020	0.020	C084308
Total Beryllium (Be)	ug/L	0.045	0.049	0.010	C085561	<0.010	<0.010	0.010	C084308
Total Bismuth (Bi)	ug/L	<0.010	<0.010	0.010	C085561	<0.0050	<0.0050	0.0050	C084308
Total Boron (B)	ug/L	<10	<10	10	C085561	<10	<10	10	C084308
Total Cadmium (Cd)	ug/L	0.0119	0.0099	0.0050	C085561	<0.0050	<0.0050	0.0050	C084308
Total Cesium (Cs)	ug/L	0.220	0.225	0.050	C085561	<0.050	<0.050	0.050	C084308
Total Chromium (Cr)	ug/L	1.98	1.89	0.10	C085561	<0.10	<0.10	0.10	C084308
Total Cobalt (Co)	ug/L	1.92	1.75	0.010	C085561	<0.0050	<0.0050	0.0050	C084308
Total Copper (Cu)	ug/L	7.71	7.03	0.10	C085561	<0.050	<0.050	0.050	C084308
Total Iron (Fe)	ug/L	3800	3580	5.0	C085561	<1.0	<1.0	1.0	C084308
Total Lead (Pb)	ug/L	0.535	0.511	0.020	C085561	<0.0050	<0.0050	0.0050	C084308
Total Lithium (Li)	ug/L	2.95	2.87	0.50	C085561	<0.50	<0.50	0.50	C084308
Total Manganese (Mn)	ug/L	113	104	0.10	C085561	<0.050	<0.050	0.050	C084308
Total Molybdenum (Mo)	ug/L	0.313	0.324	0.050	C085561	<0.050	<0.050	0.050	C084308
Total Nickel (Ni)	ug/L	1.98	1.89	0.10	C085561	<0.020	<0.020	0.020	C084308
Total Phosphorus (P)	ug/L	147	177	5.0	C085561	<2.0	2.1	2.0	C084308
Total Rubidium (Rb)	ug/L	6.59	6.03	0.050	C085561	<0.050	<0.050	0.050	C084308
Total Selenium (Se)	ug/L	<0.040	<0.040	0.040	C085561	<0.040	<0.040	0.040	C084308
Total Silicon (Si)	ug/L	8000	8640	50	C085561	<50	<50	50	C084308
Total Silver (Ag)	ug/L	0.012	0.047	0.010	C085561	<0.0050	<0.0050	0.0050	C084308
RDL = Reportable Detection Limit									



Bureau Veritas Job #: C576694
Report Date: 2025/09/22

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

ELEMENTS BY ATOMIC SPECTROSCOPY (WATER)

Bureau Veritas ID		DSN096	DSN097			DSN098	DSN099		
Sampling Date		2025/09/09	2025/09/09			2025/09/09	2025/09/09		
COC Number		113128	113128			113128	113128		
	UNITS	SQRI-US	SQRI-DS	RDL	QC Batch	Field Blank	Trip Blank	RDL	QC Batch
Total Strontium (Sr)	ug/L	44.8	48.5 (1)	0.050	C085561	<0.050	<0.050	0.050	C084308
Total Tellurium (Te)	ug/L	<0.020	<0.020	0.020	C085561	<0.020	<0.020	0.020	C084308
Total Thallium (Tl)	ug/L	0.0419	0.0422	0.0020	C085561	<0.0020	<0.0020	0.0020	C084308
Total Thorium (Th)	ug/L	0.160	0.150	0.050	C085561	<0.050	<0.050	0.050	C084308
Total Tin (Sn)	ug/L	<0.20	<0.20	0.20	C085561	<0.20	<0.20	0.20	C084308
Total Titanium (Ti)	ug/L	287	262	2.0	C085561	<0.50	<0.50	0.50	C084308
Total Uranium (U)	ug/L	0.148	0.139	0.0050	C085561	<0.0020	<0.0020	0.0020	C084308
Total Vanadium (V)	ug/L	9.75	9.19	0.20	C085561	<0.20	<0.20	0.20	C084308
Total Zinc (Zn)	ug/L	12.2	11.2	1.0	C085561	<0.10	<0.10	0.10	C084308
Total Zirconium (Zr)	ug/L	0.25	0.30	0.10	C085561	<0.10	<0.10	0.10	C084308
Total Calcium (Ca)	mg/L					<0.050	<0.050	0.050	C080521
Total Magnesium (Mg)	mg/L					<0.050	<0.050	0.050	C080521
Total Potassium (K)	mg/L					<0.050	<0.050	0.050	C080521
Total Sodium (Na)	mg/L					<0.050	<0.050	0.050	C080521
Total Sulphur (S)	mg/L					<3.0	<3.0	3.0	C080521
RDL = Reportable Detection Limit									
(1) Matrix spike exceeds acceptance limits due to matrix interference.									



ELEMENTS BY ATOMIC SPECTROSCOPY (WATER)

Bureau Veritas ID		DSN100		
Sampling Date		2025/09/09		
COC Number		113128		
	UNITS	Dup	RDL	QC Batch
ANIONS				
Bromide (Br)	mg/L	<0.010	0.010	C081558
Dissolved Metals by ICPMS				
Dissolved Calcium (Ca)	mg/L	23.4	0.050	C080249
Dissolved Magnesium (Mg)	mg/L	1.15	0.050	C080249
Dissolved Potassium (K)	mg/L	1.02	0.050	C080249
Dissolved Sodium (Na)	mg/L	6.08	0.050	C080249
Dissolved Sulphur (S)	mg/L	4.5	3.0	C080249
Lab Filtered Metals				
Dissolved Aluminum (Al)	ug/L	74.1	0.50	C083590
Dissolved Antimony (Sb)	ug/L	0.180	0.020	C083590
Dissolved Arsenic (As)	ug/L	1.27	0.020	C083590
Dissolved Barium (Ba)	ug/L	6.80	0.020	C083590
Dissolved Beryllium (Be)	ug/L	<0.010	0.010	C083590
Dissolved Bismuth (Bi)	ug/L	<0.0050	0.0050	C083590
Dissolved Boron (B)	ug/L	<10	10	C083590
Dissolved Cadmium (Cd)	ug/L	0.0086	0.0050	C083590
Dissolved Cesium (Cs)	ug/L	0.058	0.050	C083590
Dissolved Chromium (Cr)	ug/L	<0.10	0.10	C083590
Dissolved Cobalt (Co)	ug/L	0.0588	0.0050	C083590
Dissolved Copper (Cu)	ug/L	0.449	0.050	C083590
Dissolved Iron (Fe)	ug/L	2.1	1.0	C083590
Dissolved Lead (Pb)	ug/L	0.0296	0.0050	C083590
Dissolved Lithium (Li)	ug/L	2.55	0.50	C083590
Dissolved Manganese (Mn)	ug/L	39.1	0.050	C083590
Dissolved Molybdenum (Mo)	ug/L	33.4	0.050	C083590
Dissolved Nickel (Ni)	ug/L	0.208	0.020	C083590
Dissolved Phosphorus (P)	ug/L	2.5	2.0	C083590
Dissolved Rubidium (Rb)	ug/L	2.19	0.050	C083590
Dissolved Selenium (Se)	ug/L	<0.040	0.040	C083590
Dissolved Silicon (Si)	ug/L	6690	50	C083590
Dissolved Silver (Ag)	ug/L	<0.0050	0.0050	C083590
Dissolved Strontium (Sr)	ug/L	54.8	0.050	C083590
RDL = Reportable Detection Limit				



ELEMENTS BY ATOMIC SPECTROSCOPY (WATER)

Bureau Veritas ID		DSN100		
Sampling Date		2025/09/09		
COC Number		113128		
	UNITS	Dup	RDL	QC Batch
Dissolved Tellurium (Te)	ug/L	<0.020	0.020	C083590
Dissolved Thallium (Tl)	ug/L	0.0065	0.0020	C083590
Dissolved Thorium (Th)	ug/L	<0.0050	0.0050	C083590
Dissolved Tin (Sn)	ug/L	<0.20	0.20	C083590
Dissolved Titanium (Ti)	ug/L	<0.50	0.50	C083590
Dissolved Uranium (U)	ug/L	1.01	0.0020	C083590
Dissolved Vanadium (V)	ug/L	<0.20	0.20	C083590
Dissolved Zinc (Zn)	ug/L	2.91	0.10	C089328
Dissolved Zirconium (Zr)	ug/L	<0.10	0.10	C083590
Total Metals by ICPMS				
Total Aluminum (Al)	ug/L	146	0.50	C084308
Total Antimony (Sb)	ug/L	0.176	0.020	C084308
Total Arsenic (As)	ug/L	1.36	0.020	C084308
Total Barium (Ba)	ug/L	7.17	0.020	C084308
Total Beryllium (Be)	ug/L	<0.010	0.010	C084308
Total Bismuth (Bi)	ug/L	<0.0050	0.0050	C084308
Total Boron (B)	ug/L	14	10	C084308
Total Cadmium (Cd)	ug/L	<0.0050	0.0050	C084308
Total Cesium (Cs)	ug/L	0.057	0.050	C084308
Total Chromium (Cr)	ug/L	<0.10	0.10	C084308
Total Cobalt (Co)	ug/L	0.0710	0.0050	C084308
Total Copper (Cu)	ug/L	0.774	0.050	C084308
Total Iron (Fe)	ug/L	28.8	1.0	C084308
Total Lead (Pb)	ug/L	0.0848	0.0050	C084308
Total Lithium (Li)	ug/L	3.09	0.50	C084308
Total Manganese (Mn)	ug/L	40.3	0.050	C084308
Total Molybdenum (Mo)	ug/L	33.6	0.050	C084308
Total Nickel (Ni)	ug/L	0.237	0.020	C084308
Total Phosphorus (P)	ug/L	4.3	2.0	C084308
Total Rubidium (Rb)	ug/L	2.26	0.050	C084308
Total Selenium (Se)	ug/L	<0.040	0.040	C084308
Total Silicon (Si)	ug/L	6610	50	C084308
Total Silver (Ag)	ug/L	<0.0050	0.0050	C084308
RDL = Reportable Detection Limit				



ELEMENTS BY ATOMIC SPECTROSCOPY (WATER)

Bureau Veritas ID		DSN100		
Sampling Date		2025/09/09		
COC Number		113128		
	UNITS	Dup	RDL	QC Batch
Total Strontium (Sr)	ug/L	56.8	0.050	C084308
Total Tellurium (Te)	ug/L	<0.020	0.020	C084308
Total Thallium (Tl)	ug/L	0.0064	0.0020	C084308
Total Thorium (Th)	ug/L	<0.050	0.050	C084308
Total Tin (Sn)	ug/L	<0.20	0.20	C084308
Total Titanium (Ti)	ug/L	0.73	0.50	C084308
Total Uranium (U)	ug/L	1.06	0.0020	C084308
Total Vanadium (V)	ug/L	<0.20	0.20	C084308
Total Zinc (Zn)	ug/L	1.15	0.10	C084308
Total Zirconium (Zr)	ug/L	<0.10	0.10	C084308
Total Calcium (Ca)	mg/L	23.7	0.050	C080521
Total Magnesium (Mg)	mg/L	1.14	0.050	C080521
Total Potassium (K)	mg/L	1.04	0.050	C080521
Total Sodium (Na)	mg/L	6.02	0.050	C080521
Total Sulphur (S)	mg/L	4.0	3.0	C080521
RDL = Reportable Detection Limit				



Bureau Veritas Job #: C576694
Report Date: 2025/09/22

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

MISCELLANEOUS (WATER)

Bureau Veritas ID		DSN093	DSN094	DSN095	DSN096	DSN097		
Sampling Date		2025/09/09	2025/09/09	2025/09/09	2025/09/09	2025/09/09		
COC Number		113128	113128	113128	113128	113128		
	UNITS	WLNG-DS	WLNG -EOP	WLNG-US	SQRI-US	SQRI-DS	RDL	QC Batch
Calculated Parameters								
Total Un-ionized Hydrogen Sulfide as S	mg/L	<0.0018	<0.0018	<0.0018	0.0034	<0.0018	0.0018	C080516
Total Un-ionized Hydrogen Sulfide as H2S	mg/L	<0.0019	<0.0019	<0.0019	0.0036	<0.0019	0.0019	C080516
RDL = Reportable Detection Limit								

Bureau Veritas ID		DSN100		
Sampling Date		2025/09/09		
COC Number		113128		
	UNITS	Dup	RDL	QC Batch
Calculated Parameters				
Total Un-ionized Hydrogen Sulfide as S	mg/L	<0.0018	0.0018	C080516
Total Un-ionized Hydrogen Sulfide as H2S	mg/L	<0.0019	0.0019	C080516
RDL = Reportable Detection Limit				



Bureau Veritas Job #: C576694
Report Date: 2025/09/22

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

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

Bureau Veritas ID		DSN094	DSN100		
Sampling Date		2025/09/09	2025/09/09		
COC Number		113128	113128		
	UNITS	WLNG -EOP	Dup	RDL	QC Batch
Calculated Parameters					
Low Molecular Weight PAH's	ug/L	<0.10	<0.10	0.10	C080258
High Molecular Weight PAH's	ug/L	<0.050	<0.050	0.050	C080258
Total PAH	ug/L	<0.10	<0.10	0.10	C080258
Polycyclic Aromatics					
Quinoline	ug/L	<0.020	<0.020	0.020	C085579
Naphthalene	ug/L	<0.10	<0.10	0.10	C085579
1-Methylnaphthalene	ug/L	<0.050	<0.050	0.050	C085579
2-Methylnaphthalene	ug/L	<0.10	<0.10	0.10	C085579
Acenaphthylene	ug/L	<0.050	<0.050	0.050	C085579
Acenaphthene	ug/L	<0.050	<0.050	0.050	C085579
Fluorene	ug/L	<0.050	<0.050	0.050	C085579
Phenanthrene	ug/L	<0.050	<0.050	0.050	C085579
Anthracene	ug/L	<0.010	<0.010	0.010	C085579
Acridine	ug/L	<0.050	<0.050	0.050	C085579
Fluoranthene	ug/L	<0.020	<0.020	0.020	C085579
Pyrene	ug/L	<0.020	<0.020	0.020	C085579
Benzo(a)anthracene	ug/L	<0.010	<0.010	0.010	C085579
Chrysene	ug/L	<0.020	<0.020	0.020	C085579
Benzo(b&j)fluoranthene	ug/L	<0.030	<0.030	0.030	C085579
Benzo(k)fluoranthene	ug/L	<0.050	<0.050	0.050	C085579
Benzo(a)pyrene	ug/L	<0.0050	<0.0050	0.0050	C085579
Indeno(1,2,3-cd)pyrene	ug/L	<0.050	<0.050	0.050	C085579
Dibenz(a,h)anthracene	ug/L	<0.0030	<0.0030	0.0030	C085579
Benzo(g,h,i)perylene	ug/L	<0.050	<0.050	0.050	C085579
Calculated Parameters					
LEPH (C10-C19 less PAH)	mg/L	<0.20	<0.20	0.20	C080264
HEPH (C19-C32 less PAH)	mg/L	<0.20	<0.20	0.20	C080264
Ext. Pet. Hydrocarbon					
EPH (C10-C19)	mg/L	<0.20	<0.20	0.20	C085588
EPH (C19-C32)	mg/L	<0.20	<0.20	0.20	C085588
Surrogate Recovery (%)					
O-TERPHENYL (sur.)	%	116	117		C085588
RDL = Reportable Detection Limit					



Bureau Veritas Job #: C576694
Report Date: 2025/09/22

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

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

Bureau Veritas ID		DSN094	DSN100		
Sampling Date		2025/09/09	2025/09/09		
COC Number		113128	113128		
	UNITS	WLNG -EOP	Dup	RDL	QC Batch
D10-ANTHRACENE (sur.)	%	117	117		C085579
D8-ACENAPHTHYLENE (sur.)	%	93	93		C085579
D8-NAPHTHALENE (sur.)	%	77	79		C085579
TERPHENYL-D14 (sur.)	%	87	86		C085579
RDL = Reportable Detection Limit					



CSR VOC + VPH IN WATER (WATER)

Bureau Veritas ID		DSN094	DSN100		
Sampling Date		2025/09/09	2025/09/09		
COC Number		113128	113128		
	UNITS	WLNG -EOP	Dup	RDL	QC Batch
Calculated Parameters					
VPH (VH6 to 10 - BTEX)	ug/L	<300	<300	300	C080064
Volatiles					
VH C6-C10	ug/L	<300	<300	300	C084172
1,1,1,2-tetrachloroethane	ug/L	<0.50	<0.50	0.50	C084172
1,1,1-trichloroethane	ug/L	<0.50	<0.50	0.50	C084172
1,1,2,2-tetrachloroethane	ug/L	<0.50	<0.50	0.50	C084172
1,1,2Trichloro-1,2,2Trifluoroethane	ug/L	<2.0	<2.0	2.0	C084172
1,1,2-trichloroethane	ug/L	<0.50	<0.50	0.50	C084172
1,1-dichloroethane	ug/L	<0.50	<0.50	0.50	C084172
1,1-dichloroethene	ug/L	<0.50	<0.50	0.50	C084172
1,2,3-trichlorobenzene	ug/L	<2.0	<2.0	2.0	C084172
1,2,4-trichlorobenzene	ug/L	<2.0	<2.0	2.0	C084172
1,2-dibromoethane	ug/L	<0.20	<0.20	0.20	C084172
1,2-dichlorobenzene	ug/L	<0.50	<0.50	0.50	C084172
1,2-dichloroethane	ug/L	<0.50	<0.50	0.50	C084172
1,2-dichloropropane	ug/L	<0.50	<0.50	0.50	C084172
1,3,5-trimethylbenzene	ug/L	<2.0	<2.0	2.0	C084172
1,3-Butadiene	ug/L	<0.50	<0.50	0.50	C084172
1,3-dichlorobenzene	ug/L	<0.50	<0.50	0.50	C084172
1,3-dichloropropane	ug/L	<1.0	<1.0	1.0	C084172
1,4-dichlorobenzene	ug/L	<0.50	<0.50	0.50	C084172
Benzene	ug/L	<0.40	<0.40	0.40	C084172
Bromobenzene	ug/L	<2.0	<2.0	2.0	C084172
Bromodichloromethane	ug/L	<1.0	<1.0	1.0	C084172
Bromoform	ug/L	<1.0	<1.0	1.0	C084172
Bromomethane	ug/L	<1.0	<1.0	1.0	C084172
Carbon tetrachloride	ug/L	<0.50	<0.50	0.50	C084172
Chlorobenzene	ug/L	<0.50	<0.50	0.50	C084172
Dibromochloromethane	ug/L	<1.0	<1.0	1.0	C084172
Chloroethane	ug/L	<1.0	<1.0	1.0	C084172
Chloroform	ug/L	<1.0	<1.0	1.0	C084172
Chloromethane	ug/L	<1.0	<1.0	1.0	C084172
RDL = Reportable Detection Limit					



CSR VOC + VPH IN WATER (WATER)

Bureau Veritas ID		DSN094	DSN100		
Sampling Date		2025/09/09	2025/09/09		
COC Number		113128	113128		
	UNITS	WLNG -EOP	Dup	RDL	QC Batch
cis-1,2-dichloroethene	ug/L	<1.0	<1.0	1.0	C084172
cis-1,3-dichloropropene	ug/L	<1.0	<1.0	1.0	C084172
Dichlorodifluoromethane	ug/L	<2.0	<2.0	2.0	C084172
Dichloromethane	ug/L	<2.0	<2.0	2.0	C084172
Ethylbenzene	ug/L	<0.40	<0.40	0.40	C084172
Hexachlorobutadiene	ug/L	<0.50	<0.50	0.50	C084172
Isopropylbenzene	ug/L	<2.0	<2.0	2.0	C084172
Methyl-tert-butylether (MTBE)	ug/L	<4.0	<4.0	4.0	C084172
Styrene	ug/L	1.4	1.3	0.50	C084172
Tetrachloroethene	ug/L	<0.50	<0.50	0.50	C084172
Toluene	ug/L	<0.40	<0.40	0.40	C084172
trans-1,2-dichloroethene	ug/L	<1.0	<1.0	1.0	C084172
trans-1,3-dichloropropene	ug/L	<1.0	<1.0	1.0	C084172
Trichloroethene	ug/L	<0.50	<0.50	0.50	C084172
Trichlorofluoromethane	ug/L	<4.0	<4.0	4.0	C084172
Vinyl chloride	ug/L	<0.50	<0.50	0.50	C084172
m & p-Xylene	ug/L	<0.40	<0.40	0.40	C084172
o-Xylene	ug/L	<0.40	<0.40	0.40	C084172
Xylenes (Total)	ug/L	<0.40	<0.40	0.40	C084172
Surrogate Recovery (%)					
1,4-Difluorobenzene (sur.)	%	100	102		C084172
4-Bromofluorobenzene (sur.)	%	90	91		C084172
D4-1,2-Dichloroethane (sur.)	%	99	100		C084172
RDL = Reportable Detection Limit					



Bureau Veritas Job #: C576694
Report Date: 2025/09/22

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

GENERAL COMMENTS

Sample DSN100, Elements by ICPMS Low Level (lab filter): Test repeated.

Results relate only to the items tested.



Bureau Veritas Job #: C576694
Report Date: 2025/09/22

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

QUALITY ASSURANCE REPORT

QA/QC	Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
C080027	BTM		Matrix Spike	Dissolved Organic Carbon (C)	2025/09/10		99	%	80 - 120
C080027	BTM		Spiked Blank	Dissolved Organic Carbon (C)	2025/09/10		103	%	80 - 120
C080027	BTM		Method Blank	Dissolved Organic Carbon (C)	2025/09/10	<0.50		mg/L	
C080027	BTM		RPD	Dissolved Organic Carbon (C)	2025/09/10	1.1		%	20
C080743	BB3		Spiked Blank	pH	2025/09/10		100	%	97 - 103
C080743	BB3		RPD	pH	2025/09/11	0.12		%	N/A
C080756	BB3		Spiked Blank	Alkalinity (Total as CaCO3)	2025/09/10		97	%	80 - 120
C080756	BB3		Method Blank	Alkalinity (PP as CaCO3)	2025/09/10	<1.0		mg/L	
				Alkalinity (Total as CaCO3)	2025/09/10	<1.0		mg/L	
				Bicarbonate (HCO3)	2025/09/10	<1.0		mg/L	
				Carbonate (CO3)	2025/09/10	<1.0		mg/L	
				Hydroxide (OH)	2025/09/10	<1.0		mg/L	
C080756	BB3		RPD	Alkalinity (PP as CaCO3)	2025/09/11	NC		%	20
				Alkalinity (Total as CaCO3)	2025/09/11	3.2		%	20
				Bicarbonate (HCO3)	2025/09/11	3.2		%	20
				Carbonate (CO3)	2025/09/11	NC		%	20
				Hydroxide (OH)	2025/09/11	NC		%	20
C080790	BTM		Matrix Spike [DSN099-05]	Total Organic Carbon (C)	2025/09/10		110	%	80 - 120
C080790	BTM		Spiked Blank	Total Organic Carbon (C)	2025/09/10		103	%	80 - 120
C080790	BTM		Method Blank	Total Organic Carbon (C)	2025/09/10	<0.50		mg/L	
C080790	BTM		RPD [DSN099-05]	Total Organic Carbon (C)	2025/09/10	NC		%	20
C081194	JAV		Matrix Spike	Chloride (Cl)	2025/09/10		115	%	80 - 120
				Sulphate (SO4)	2025/09/10		NC	%	80 - 120
C081194	JAV		Spiked Blank	Chloride (Cl)	2025/09/10		96	%	80 - 120
				Sulphate (SO4)	2025/09/10		95	%	80 - 120
C081194	JAV		Method Blank	Chloride (Cl)	2025/09/10	<1.0		mg/L	
				Sulphate (SO4)	2025/09/10	<1.0		mg/L	
C081194	JAV		RPD	Chloride (Cl)	2025/09/10	2.6		%	20
				Sulphate (SO4)	2025/09/10	4.7		%	20
C081198	BB3		Spiked Blank	pH	2025/09/11		100	%	97 - 103
C081198	BB3		RPD [DSN099-02]	pH	2025/09/11	0.87		%	N/A
C081201	BB3		Spiked Blank	Alkalinity (Total as CaCO3)	2025/09/11		97	%	80 - 120
C081201	BB3		Method Blank	Alkalinity (PP as CaCO3)	2025/09/11	<1.0		mg/L	
				Alkalinity (Total as CaCO3)	2025/09/11	<1.0		mg/L	
				Bicarbonate (HCO3)	2025/09/11	<1.0		mg/L	
				Carbonate (CO3)	2025/09/11	<1.0		mg/L	
				Hydroxide (OH)	2025/09/11	<1.0		mg/L	
C081201	BB3		RPD [DSN099-02]	Alkalinity (PP as CaCO3)	2025/09/11	NC		%	20
				Alkalinity (Total as CaCO3)	2025/09/11	NC		%	20
				Bicarbonate (HCO3)	2025/09/11	NC		%	20
				Carbonate (CO3)	2025/09/11	NC		%	20
				Hydroxide (OH)	2025/09/11	NC		%	20
C081210	JAV		Matrix Spike	Chloride (Cl)	2025/09/10		113	%	80 - 120
				Sulphate (SO4)	2025/09/10		NC	%	80 - 120
C081210	JAV		Spiked Blank	Chloride (Cl)	2025/09/10		97	%	80 - 120
				Sulphate (SO4)	2025/09/10		99	%	80 - 120
C081210	JAV		Method Blank	Chloride (Cl)	2025/09/10	<1.0		mg/L	
				Sulphate (SO4)	2025/09/10	<1.0		mg/L	
C081210	JAV		RPD	Chloride (Cl)	2025/09/10	9.1		%	20
C081558	SOM		Matrix Spike	Bromide (Br)	2025/09/17		NC	%	78 - 120
C081558	SOM		Spiked Blank	Bromide (Br)	2025/09/17		98	%	80 - 120
C081558	SOM		Method Blank	Bromide (Br)	2025/09/17	<0.010		mg/L	
C081558	SOM		RPD	Bromide (Br)	2025/09/17	1.3		%	20



Bureau Veritas Job #: C576694
Report Date: 2025/09/22

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

QUALITY ASSURANCE REPORT(CONT'D)

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
C081834	RLC	Matrix Spike [DSN093-11]	Total Mercury (Hg)	2025/09/11		117	%	80 - 120
C081834	RLC	Spiked Blank	Total Mercury (Hg)	2025/09/11		106	%	80 - 120
C081834	RLC	Method Blank	Total Mercury (Hg)	2025/09/11	<0.0019		ug/L	
C081834	RLC	RPD [DSN093-11]	Total Mercury (Hg)	2025/09/11	NC		%	20
C081863	NKT	Matrix Spike [DSN098-05]	Total Phosphorus (P)	2025/09/12		105	%	N/A
C081863	NKT	Spiked Blank	Total Phosphorus (P)	2025/09/12		108	%	80 - 120
C081863	NKT	Method Blank	Total Phosphorus (P)	2025/09/12	<0.0010		mg/L	
C081863	NKT	RPD [DSN098-05]	Total Phosphorus (P)	2025/09/12	NC		%	20
C081914	JGL	Matrix Spike	Nitrate plus Nitrite (N)	2025/09/11		117	%	80 - 120
C081914	JGL	Spiked Blank	Nitrate plus Nitrite (N)	2025/09/11		108	%	80 - 120
C081914	JGL	Method Blank	Nitrate plus Nitrite (N)	2025/09/11	<0.020		mg/L	
C081914	JGL	RPD	Nitrate plus Nitrite (N)	2025/09/11	NC		%	25
C081944	JGL	Matrix Spike	Nitrite (N)	2025/09/11		112	%	80 - 120
C081944	JGL	Spiked Blank	Nitrite (N)	2025/09/11		104	%	80 - 120
C081944	JGL	Method Blank	Nitrite (N)	2025/09/11	<0.0050		mg/L	
C081944	JGL	RPD	Nitrite (N)	2025/09/11	NC		%	20
C082035	JGL	Matrix Spike [DSN095-02]	Nitrate plus Nitrite (N)	2025/09/11		112	%	80 - 120
C082035	JGL	Spiked Blank	Nitrate plus Nitrite (N)	2025/09/11		108	%	80 - 120
C082035	JGL	Method Blank	Nitrate plus Nitrite (N)	2025/09/11	<0.020		mg/L	
C082035	JGL	RPD [DSN095-02]	Nitrate plus Nitrite (N)	2025/09/11	NC		%	25
C082042	JGL	Matrix Spike [DSN095-02]	Nitrite (N)	2025/09/11		106	%	80 - 120
C082042	JGL	Spiked Blank	Nitrite (N)	2025/09/11		104	%	80 - 120
C082042	JGL	Method Blank	Nitrite (N)	2025/09/11	<0.0050		mg/L	
C082042	JGL	RPD [DSN095-02]	Nitrite (N)	2025/09/11	NC		%	20
C082085	JGL	Matrix Spike	Nitrate plus Nitrite (N)	2025/09/11		110	%	80 - 120
C082085	JGL	Spiked Blank	Nitrate plus Nitrite (N)	2025/09/11		108	%	80 - 120
C082085	JGL	Method Blank	Nitrate plus Nitrite (N)	2025/09/11	<0.020		mg/L	
C082085	JGL	RPD	Nitrate plus Nitrite (N)	2025/09/11	NC		%	25
C082143	JGL	Matrix Spike	Nitrite (N)	2025/09/11		107	%	80 - 120
C082143	JGL	Spiked Blank	Nitrite (N)	2025/09/11		105	%	80 - 120
C082143	JGL	Method Blank	Nitrite (N)	2025/09/11	<0.0050		mg/L	
C082143	JGL	RPD	Nitrite (N)	2025/09/11	NC		%	20
C082162	CJY	Spiked Blank	Dissolved Fluoride (F)	2025/09/11		98	%	80 - 120
C082162	CJY	Method Blank	Dissolved Fluoride (F)	2025/09/11	<0.050		mg/L	
C082342	NKT	Matrix Spike	Total Nitrogen (N)	2025/09/12		105	%	80 - 120
C082342	NKT	Spiked Blank	Total Nitrogen (N)	2025/09/12		104	%	80 - 120
C082342	NKT	Method Blank	Total Nitrogen (N)	2025/09/12	<0.020		mg/L	
C082342	NKT	RPD	Total Nitrogen (N)	2025/09/12	8.3		%	20
C082369	NKT	Matrix Spike [DSN099-05]	Total Nitrogen (N)	2025/09/12		106	%	80 - 120
C082369	NKT	Spiked Blank	Total Nitrogen (N)	2025/09/12		105	%	80 - 120
C082369	NKT	Method Blank	Total Nitrogen (N)	2025/09/12	<0.020		mg/L	
C082369	NKT	RPD [DSN099-05]	Total Nitrogen (N)	2025/09/12	NC		%	20
C082513	CJY	Spiked Blank	Dissolved Fluoride (F)	2025/09/11		101	%	80 - 120
C082513	CJY	Method Blank	Dissolved Fluoride (F)	2025/09/11	<0.050		mg/L	
C082517	CJY	Matrix Spike	Dissolved Fluoride (F)	2025/09/12		107	%	80 - 120
C082517	CJY	Spiked Blank	Dissolved Fluoride (F)	2025/09/12		102	%	80 - 120
C082517	CJY	Method Blank	Dissolved Fluoride (F)	2025/09/12	<0.050		mg/L	
C082517	CJY	RPD	Fluoride (F)	2025/09/12	NC		%	20
C082912	RLC	Matrix Spike [DSN093-09]	Dissolved Mercury (Hg)	2025/09/12		109	%	80 - 120
C082912	RLC	Spiked Blank	Dissolved Mercury (Hg)	2025/09/12		94	%	80 - 120
C082912	RLC	Method Blank	Dissolved Mercury (Hg)	2025/09/12	<0.0019		ug/L	
C082912	RLC	RPD [DSN093-09]	Dissolved Mercury (Hg)	2025/09/12	NC		%	20
C083479	KA5	Matrix Spike [DSN093-01]	Total Suspended Solids	2025/09/15		102	%	80 - 120



Bureau Veritas Job #: C576694
Report Date: 2025/09/22

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

QUALITY ASSURANCE REPORT(CONT'D)

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
C083479	KA5	Spiked Blank	Total Suspended Solids	2025/09/15		100	%	80 - 120
C083479	KA5	Method Blank	Total Suspended Solids	2025/09/15	<1.0		mg/L	
C083479	KA5	RPD	Total Suspended Solids	2025/09/15	13		%	20
C083482	KA5	Matrix Spike [DSN100-01]	Total Suspended Solids	2025/09/15		99	%	80 - 120
C083482	KA5	Spiked Blank	Total Suspended Solids	2025/09/15		99	%	80 - 120
C083482	KA5	Method Blank	Total Suspended Solids	2025/09/15	<1.0		mg/L	
C083482	KA5	RPD [DSN099-01]	Total Suspended Solids	2025/09/15	NC		%	20
C083590	MEM	Matrix Spike	Dissolved Aluminum (Al)	2025/09/12		106	%	80 - 120
			Dissolved Antimony (Sb)	2025/09/12		99	%	80 - 120
			Dissolved Arsenic (As)	2025/09/12		106	%	80 - 120
			Dissolved Barium (Ba)	2025/09/12		NC	%	80 - 120
			Dissolved Beryllium (Be)	2025/09/12		100	%	80 - 120
			Dissolved Bismuth (Bi)	2025/09/12		100	%	80 - 120
			Dissolved Boron (B)	2025/09/12		100	%	80 - 120
			Dissolved Cadmium (Cd)	2025/09/12		105	%	80 - 120
			Dissolved Cesium (Cs)	2025/09/12		98	%	80 - 120
			Dissolved Chromium (Cr)	2025/09/12		101	%	80 - 120
			Dissolved Cobalt (Co)	2025/09/12		92	%	80 - 120
			Dissolved Copper (Cu)	2025/09/12		91	%	80 - 120
			Dissolved Iron (Fe)	2025/09/12		105	%	80 - 120
			Dissolved Lead (Pb)	2025/09/12		99	%	80 - 120
			Dissolved Lithium (Li)	2025/09/12		97	%	80 - 120
			Dissolved Manganese (Mn)	2025/09/12		95	%	80 - 120
			Dissolved Molybdenum (Mo)	2025/09/12		108	%	80 - 120
			Dissolved Nickel (Ni)	2025/09/12		96	%	80 - 120
			Dissolved Phosphorus (P)	2025/09/12		112	%	80 - 120
			Dissolved Rubidium (Rb)	2025/09/12		105	%	80 - 120
			Dissolved Selenium (Se)	2025/09/12		105	%	80 - 120
			Dissolved Silicon (Si)	2025/09/12		104	%	80 - 120
			Dissolved Silver (Ag)	2025/09/12		105	%	80 - 120
			Dissolved Strontium (Sr)	2025/09/12		NC	%	80 - 120
			Dissolved Tellurium (Te)	2025/09/12		103	%	80 - 120
			Dissolved Thallium (Tl)	2025/09/12		103	%	80 - 120
			Dissolved Thorium (Th)	2025/09/12		106	%	80 - 120
			Dissolved Tin (Sn)	2025/09/12		102	%	80 - 120
			Dissolved Titanium (Ti)	2025/09/12		104	%	80 - 120
			Dissolved Uranium (U)	2025/09/12		113	%	80 - 120
			Dissolved Vanadium (V)	2025/09/12		103	%	80 - 120
			Dissolved Zinc (Zn)	2025/09/12		NC	%	80 - 120
			Dissolved Zirconium (Zr)	2025/09/12		109	%	80 - 120
C083590	MEM	Spiked Blank	Dissolved Aluminum (Al)	2025/09/12		106	%	80 - 120
			Dissolved Antimony (Sb)	2025/09/12		104	%	80 - 120
			Dissolved Arsenic (As)	2025/09/12		105	%	80 - 120
			Dissolved Barium (Ba)	2025/09/12		102	%	80 - 120
			Dissolved Beryllium (Be)	2025/09/12		102	%	80 - 120
			Dissolved Bismuth (Bi)	2025/09/12		102	%	80 - 120
			Dissolved Boron (B)	2025/09/12		97	%	80 - 120
			Dissolved Cadmium (Cd)	2025/09/12		106	%	80 - 120
			Dissolved Cesium (Cs)	2025/09/12		100	%	80 - 120
			Dissolved Chromium (Cr)	2025/09/12		105	%	80 - 120
			Dissolved Cobalt (Co)	2025/09/12		97	%	80 - 120
			Dissolved Copper (Cu)	2025/09/12		97	%	80 - 120
			Dissolved Iron (Fe)	2025/09/12		103	%	80 - 120



Bureau Veritas Job #: C576694
Report Date: 2025/09/22

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

QUALITY ASSURANCE REPORT(CONT'D)

QA/QC	Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
C083590	MEM	Method Blank		Dissolved Lead (Pb)	2025/09/12		100	%	80 - 120
				Dissolved Lithium (Li)	2025/09/12		97	%	80 - 120
				Dissolved Manganese (Mn)	2025/09/12		104	%	80 - 120
				Dissolved Molybdenum (Mo)	2025/09/12		102	%	80 - 120
				Dissolved Nickel (Ni)	2025/09/12		102	%	80 - 120
				Dissolved Phosphorus (P)	2025/09/12		106	%	80 - 120
				Dissolved Rubidium (Rb)	2025/09/12		101	%	80 - 120
				Dissolved Selenium (Se)	2025/09/12		103	%	80 - 120
				Dissolved Silicon (Si)	2025/09/12		106	%	80 - 120
				Dissolved Silver (Ag)	2025/09/12		103	%	80 - 120
				Dissolved Strontium (Sr)	2025/09/12		107	%	80 - 120
				Dissolved Tellurium (Te)	2025/09/12		102	%	80 - 120
				Dissolved Thallium (Tl)	2025/09/12		102	%	80 - 120
				Dissolved Thorium (Th)	2025/09/12		103	%	80 - 120
				Dissolved Tin (Sn)	2025/09/12		106	%	80 - 120
				Dissolved Titanium (Ti)	2025/09/12		107	%	80 - 120
				Dissolved Uranium (U)	2025/09/12		105	%	80 - 120
				Dissolved Vanadium (V)	2025/09/12		105	%	80 - 120
				Dissolved Zinc (Zn)	2025/09/12		106	%	80 - 120
				Dissolved Zirconium (Zr)	2025/09/12		104	%	80 - 120
				Dissolved Aluminum (Al)	2025/09/12	<0.50		ug/L	
				Dissolved Antimony (Sb)	2025/09/12	<0.020		ug/L	
				Dissolved Arsenic (As)	2025/09/12	<0.020		ug/L	
				Dissolved Barium (Ba)	2025/09/12	<0.020		ug/L	
				Dissolved Beryllium (Be)	2025/09/12	<0.010		ug/L	
				Dissolved Bismuth (Bi)	2025/09/12	<0.0050		ug/L	
				Dissolved Boron (B)	2025/09/12	<10		ug/L	
				Dissolved Cadmium (Cd)	2025/09/12	<0.0050		ug/L	
				Dissolved Cesium (Cs)	2025/09/12	<0.050		ug/L	
				Dissolved Chromium (Cr)	2025/09/12	<0.10		ug/L	
				Dissolved Cobalt (Co)	2025/09/12	<0.0050		ug/L	
				Dissolved Copper (Cu)	2025/09/12	<0.050		ug/L	
				Dissolved Iron (Fe)	2025/09/12	<1.0		ug/L	
				Dissolved Lead (Pb)	2025/09/12	<0.0050		ug/L	
				Dissolved Lithium (Li)	2025/09/12	<0.50		ug/L	
				Dissolved Manganese (Mn)	2025/09/12	<0.050		ug/L	
				Dissolved Molybdenum (Mo)	2025/09/12	<0.050		ug/L	
				Dissolved Nickel (Ni)	2025/09/12	<0.020		ug/L	
				Dissolved Phosphorus (P)	2025/09/12	<2.0		ug/L	
				Dissolved Rubidium (Rb)	2025/09/12	<0.050		ug/L	
				Dissolved Selenium (Se)	2025/09/12	<0.040		ug/L	
				Dissolved Silicon (Si)	2025/09/12	<50		ug/L	
				Dissolved Silver (Ag)	2025/09/12	<0.0050		ug/L	
				Dissolved Strontium (Sr)	2025/09/12	<0.050		ug/L	
				Dissolved Tellurium (Te)	2025/09/12	<0.020		ug/L	
				Dissolved Thallium (Tl)	2025/09/12	<0.0020		ug/L	
				Dissolved Thorium (Th)	2025/09/12	<0.0050		ug/L	
				Dissolved Tin (Sn)	2025/09/12	<0.20		ug/L	
				Dissolved Titanium (Ti)	2025/09/12	<0.50		ug/L	
				Dissolved Uranium (U)	2025/09/12	<0.0020		ug/L	
				Dissolved Vanadium (V)	2025/09/12	<0.20		ug/L	
				Dissolved Zinc (Zn)	2025/09/12	<0.10		ug/L	
				Dissolved Zirconium (Zr)	2025/09/12	<0.10		ug/L	



Bureau Veritas Job #: C576694
Report Date: 2025/09/22

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

QUALITY ASSURANCE REPORT(CONT'D)

QA/QC	Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
C083590	MEM	RPD		Dissolved Aluminum (Al)	2025/09/12	1.5		%	20
				Dissolved Antimony (Sb)	2025/09/12	3.5		%	20
				Dissolved Arsenic (As)	2025/09/12	1.7		%	20
				Dissolved Barium (Ba)	2025/09/12	1.0		%	20
				Dissolved Beryllium (Be)	2025/09/12	NC		%	20
				Dissolved Bismuth (Bi)	2025/09/12	NC		%	20
				Dissolved Boron (B)	2025/09/12	NC		%	20
				Dissolved Cadmium (Cd)	2025/09/12	3.4		%	20
				Dissolved Chromium (Cr)	2025/09/12	NC		%	20
				Dissolved Cobalt (Co)	2025/09/12	1.4		%	20
				Dissolved Copper (Cu)	2025/09/12	1.5		%	20
				Dissolved Iron (Fe)	2025/09/12	NC		%	20
				Dissolved Lead (Pb)	2025/09/12	1.6		%	20
				Dissolved Lithium (Li)	2025/09/12	3.6		%	20
				Dissolved Manganese (Mn)	2025/09/12	2.0		%	20
				Dissolved Molybdenum (Mo)	2025/09/12	2.8		%	20
				Dissolved Nickel (Ni)	2025/09/12	0.64		%	20
				Dissolved Phosphorus (P)	2025/09/12	11		%	20
				Dissolved Selenium (Se)	2025/09/12	0.027		%	20
				Dissolved Silicon (Si)	2025/09/12	2.4		%	20
				Dissolved Silver (Ag)	2025/09/12	NC		%	20
				Dissolved Strontium (Sr)	2025/09/12	1.5		%	20
				Dissolved Thallium (Tl)	2025/09/12	1.3		%	20
				Dissolved Tin (Sn)	2025/09/12	NC		%	20
				Dissolved Titanium (Ti)	2025/09/12	NC		%	20
				Dissolved Uranium (U)	2025/09/12	1.7		%	20
				Dissolved Vanadium (V)	2025/09/12	NC		%	20
				Dissolved Zinc (Zn)	2025/09/12	1.6		%	20
				Dissolved Zirconium (Zr)	2025/09/12	NC		%	20
C083653	BB3	Matrix Spike [DSN100-10]	Total Hex. Chromium (Cr 6+)	2025/09/12		88	%	80 - 120	
C083653	BB3	Spiked Blank	Total Hex. Chromium (Cr 6+)	2025/09/12		111	%	80 - 120	
C083653	BB3	Method Blank	Total Hex. Chromium (Cr 6+)	2025/09/12	<0.00099		mg/L		
C083653	BB3	RPD [DSN100-10]	Total Hex. Chromium (Cr 6+)	2025/09/12	NC		%	20	
C083733	KA5	Matrix Spike [DSN099-03]	Total Dissolved Solids	2025/09/15		102	%	80 - 120	
C083733	KA5	Spiked Blank	Total Dissolved Solids	2025/09/15		104	%	80 - 120	
C083733	KA5	Method Blank	Total Dissolved Solids	2025/09/15	<10		mg/L		
C083733	KA5	RPD [DSN098-03]	Total Dissolved Solids	2025/09/15	NC		%	20	
C083933	MDO	Matrix Spike	Phenols	2025/09/12		101	%	80 - 120	
C083933	MDO	Spiked Blank	Phenols	2025/09/12		100	%	80 - 120	
C083933	MDO	Method Blank	Phenols	2025/09/12	<0.0015		mg/L		
C083933	MDO	RPD	Phenols	2025/09/12	NC		%	20	
C084172	NGU	Matrix Spike	1,4-Difluorobenzene (sur.)	2025/09/12		100	%	50 - 140	
			4-Bromofluorobenzene (sur.)	2025/09/12		111	%	50 - 140	
			D4-1,2-Dichloroethane (sur.)	2025/09/12		100	%	50 - 140	
			1,1,1,2-tetrachloroethane	2025/09/12		94	%	50 - 140	
			1,1,1-trichloroethane	2025/09/12		100	%	50 - 140	
			1,1,2,2-tetrachloroethane	2025/09/12		89	%	50 - 140	
			1,1,2Trichloro-1,2,2Trifluoroethane	2025/09/12		93	%	50 - 140	
			1,1,2-trichloroethane	2025/09/12		92	%	50 - 140	
			1,1-dichloroethane	2025/09/12		104	%	50 - 140	
			1,1-dichloroethene	2025/09/12		113	%	50 - 140	
			1,2,3-trichlorobenzene	2025/09/12		93	%	50 - 140	
			1,2,4-trichlorobenzene	2025/09/12		93	%	50 - 140	



Bureau Veritas Job #: C576694
Report Date: 2025/09/22

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

QUALITY ASSURANCE REPORT(CONT'D)

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
C084172	NGU	Spiked Blank	1,2-dibromoethane	2025/09/12		95	%	50 - 140
			1,2-dichlorobenzene	2025/09/12		98	%	50 - 140
			1,2-dichloroethane	2025/09/12		95	%	50 - 140
			1,2-dichloropropane	2025/09/12		96	%	50 - 140
			1,3,5-trimethylbenzene	2025/09/12		102	%	50 - 140
			1,3-Butadiene	2025/09/12		79	%	50 - 140
			1,3-dichlorobenzene	2025/09/12		103	%	50 - 140
			1,3-dichloropropane	2025/09/12		93	%	50 - 140
			1,4-dichlorobenzene	2025/09/12		90	%	50 - 140
			Benzene	2025/09/12		97	%	50 - 140
			Bromobenzene	2025/09/12		97	%	50 - 140
			Bromodichloromethane	2025/09/12		92	%	50 - 140
			Bromoform	2025/09/12		84	%	50 - 140
			Bromomethane	2025/09/12		90	%	50 - 140
			Carbon tetrachloride	2025/09/12		98	%	50 - 140
			Chlorobenzene	2025/09/12		98	%	50 - 140
			Dibromochloromethane	2025/09/12		91	%	50 - 140
			Chloroethane	2025/09/12		130	%	50 - 140
			Chloroform	2025/09/12		94	%	50 - 140
			Chloromethane	2025/09/12		54	%	50 - 140
			cis-1,2-dichloroethene	2025/09/12		95	%	50 - 140
			cis-1,3-dichloropropene	2025/09/12		95	%	50 - 140
			Dichlorodifluoromethane	2025/09/12		108	%	50 - 140
			Dichloromethane	2025/09/12		89	%	50 - 140
			Ethylbenzene	2025/09/12		105	%	50 - 140
			Hexachlorobutadiene	2025/09/12		89	%	50 - 140
			Isopropylbenzene	2025/09/12		101	%	50 - 140
			Methyl-tert-butylether (MTBE)	2025/09/12		87	%	50 - 140
			Styrene	2025/09/12		113	%	50 - 140
			Tetrachloroethene	2025/09/12		96	%	50 - 140
			Toluene	2025/09/12		97	%	50 - 140
			trans-1,2-dichloroethene	2025/09/12		105	%	50 - 140
			trans-1,3-dichloropropene	2025/09/12		89	%	50 - 140
			Trichloroethene	2025/09/12		96	%	50 - 140
			Trichlorofluoromethane	2025/09/12		95	%	50 - 140
			Vinyl chloride	2025/09/12		100	%	50 - 140
			m & p-Xylene	2025/09/12		115	%	50 - 140
			o-Xylene	2025/09/12		104	%	50 - 140
			1,4-Difluorobenzene (sur.)	2025/09/16		99	%	50 - 140
			4-Bromofluorobenzene (sur.)	2025/09/16		100	%	50 - 140
			D4-1,2-Dichloroethane (sur.)	2025/09/16		91	%	50 - 140
			VH C6-C10	2025/09/16		103	%	70 - 130
			1,1,1,2-tetrachloroethane	2025/09/16		80	%	60 - 130
			1,1,1-trichloroethane	2025/09/16		85	%	60 - 130
			1,1,2,2-tetrachloroethane	2025/09/16		80	%	60 - 130
			1,1,2Trichloro-1,2,2Trifluoroethane	2025/09/16		79	%	60 - 130
			1,1,2-trichloroethane	2025/09/16		77	%	60 - 130
			1,1-dichloroethane	2025/09/16		88	%	60 - 130
			1,1-dichloroethene	2025/09/16		96	%	60 - 130
			1,2,3-trichlorobenzene	2025/09/16		83	%	60 - 130
			1,2,4-trichlorobenzene	2025/09/16		83	%	60 - 130
			1,2-dibromoethane	2025/09/16		80	%	60 - 130
			1,2-dichlorobenzene	2025/09/16		89	%	60 - 130



QUALITY ASSURANCE REPORT(CONT'D)

QA/QC	Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
				1,2-dichloroethane	2025/09/16		80	%	60 - 130
				1,2-dichloropropane	2025/09/16		82	%	60 - 130
				1,3,5-trimethylbenzene	2025/09/16		94	%	60 - 130
				1,3-Butadiene	2025/09/16		67	%	50 - 140
				1,3-dichlorobenzene	2025/09/16		94	%	60 - 130
				1,3-dichloropropane	2025/09/16		78	%	60 - 130
				1,4-dichlorobenzene	2025/09/16		82	%	60 - 130
				Benzene	2025/09/16		85	%	60 - 130
				Bromobenzene	2025/09/16		88	%	60 - 130
				Bromodichloromethane	2025/09/16		78	%	60 - 130
				Bromoform	2025/09/16		77	%	60 - 130
				Bromomethane	2025/09/16		70	%	50 - 140
				Carbon tetrachloride	2025/09/16		83	%	60 - 130
				Chlorobenzene	2025/09/16		82	%	60 - 130
				Dibromochloromethane	2025/09/16		77	%	60 - 130
				Chloroethane	2025/09/16		135	%	50 - 140
				Chloroform	2025/09/16		80	%	60 - 130
				Chloromethane	2025/09/16		80	%	50 - 140
				cis-1,2-dichloroethene	2025/09/16		79	%	60 - 130
				cis-1,3-dichloropropene	2025/09/16		77	%	50 - 140
				Dichlorodifluoromethane	2025/09/16		91	%	50 - 140
				Dichloromethane	2025/09/16		75	%	60 - 130
				Ethylbenzene	2025/09/16		87	%	60 - 130
				Hexachlorobutadiene	2025/09/16		82	%	60 - 130
				Isopropylbenzene	2025/09/16		92	%	60 - 130
				Methyl-tert-butylether (MTBE)	2025/09/16		74	%	60 - 130
				Styrene	2025/09/16		94	%	60 - 130
				Tetrachloroethene	2025/09/16		83	%	60 - 130
				Toluene	2025/09/16		81	%	60 - 130
				trans-1,2-dichloroethene	2025/09/16		88	%	60 - 130
				trans-1,3-dichloropropene	2025/09/16		72	%	50 - 140
				Trichloroethene	2025/09/16		82	%	60 - 130
				Trichlorofluoromethane	2025/09/16		81	%	60 - 130
				Vinyl chloride	2025/09/16		84	%	50 - 140
				m & p-Xylene	2025/09/16		98	%	60 - 130
				o-Xylene	2025/09/16		87	%	60 - 130
C084172	NGU	Method Blank		1,4-Difluorobenzene (sur.)	2025/09/12		102	%	50 - 140
				4-Bromofluorobenzene (sur.)	2025/09/12		91	%	50 - 140
				D4-1,2-Dichloroethane (sur.)	2025/09/12		101	%	50 - 140
				VH C6-C10	2025/09/12	<300		ug/L	
				1,1,1,2-tetrachloroethane	2025/09/12	<0.50		ug/L	
				1,1,1-trichloroethane	2025/09/12	<0.50		ug/L	
				1,1,2,2-tetrachloroethane	2025/09/12	<0.50		ug/L	
				1,1,2Trichloro-1,2,2Trifluoroethane	2025/09/12	<2.0		ug/L	
				1,1,2-trichloroethane	2025/09/12	<0.50		ug/L	
				1,1-dichloroethane	2025/09/12	<0.50		ug/L	
				1,1-dichloroethene	2025/09/12	<0.50		ug/L	
				1,2,3-trichlorobenzene	2025/09/12	<2.0		ug/L	
				1,2,4-trichlorobenzene	2025/09/12	<2.0		ug/L	
				1,2-dibromoethane	2025/09/12	<0.20		ug/L	
				1,2-dichlorobenzene	2025/09/12	<0.50		ug/L	
				1,2-dichloroethane	2025/09/12	<0.50		ug/L	
				1,2-dichloropropane	2025/09/12	<0.50		ug/L	



Bureau Veritas Job #: C576694
Report Date: 2025/09/22

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

QUALITY ASSURANCE REPORT(CONT'D)

QA/QC	Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
				1,3,5-trimethylbenzene	2025/09/12	<2.0		ug/L	
				1,3-Butadiene	2025/09/12	<0.50		ug/L	
				1,3-dichlorobenzene	2025/09/12	<0.50		ug/L	
				1,3-dichloropropane	2025/09/12	<1.0		ug/L	
				1,4-dichlorobenzene	2025/09/12	<0.50		ug/L	
				Benzene	2025/09/12	<0.40		ug/L	
				Bromobenzene	2025/09/12	<2.0		ug/L	
				Bromodichloromethane	2025/09/12	<1.0		ug/L	
				Bromoform	2025/09/12	<1.0		ug/L	
				Bromomethane	2025/09/12	<1.0		ug/L	
				Carbon tetrachloride	2025/09/12	<0.50		ug/L	
				Chlorobenzene	2025/09/12	<0.50		ug/L	
				Dibromochloromethane	2025/09/12	<1.0		ug/L	
				Chloroethane	2025/09/12	<1.0		ug/L	
				Chloroform	2025/09/12	<1.0		ug/L	
				Chloromethane	2025/09/12	<1.0		ug/L	
				cis-1,2-dichloroethene	2025/09/12	<1.0		ug/L	
				cis-1,3-dichloropropene	2025/09/12	<1.0		ug/L	
				Dichlorodifluoromethane	2025/09/12	<2.0		ug/L	
				Dichloromethane	2025/09/12	<2.0		ug/L	
				Ethylbenzene	2025/09/12	<0.40		ug/L	
				Hexachlorobutadiene	2025/09/12	<0.50		ug/L	
				Isopropylbenzene	2025/09/12	<2.0		ug/L	
				Methyl-tert-butylether (MTBE)	2025/09/12	<4.0		ug/L	
				Styrene	2025/09/12	<0.50		ug/L	
				Tetrachloroethene	2025/09/12	<0.50		ug/L	
				Toluene	2025/09/12	<0.40		ug/L	
				trans-1,2-dichloroethene	2025/09/12	<1.0		ug/L	
				trans-1,3-dichloropropene	2025/09/12	<1.0		ug/L	
				Trichloroethene	2025/09/12	<0.50		ug/L	
				Trichlorofluoromethane	2025/09/12	<4.0		ug/L	
				Vinyl chloride	2025/09/12	<0.50		ug/L	
				m & p-Xylene	2025/09/12	<0.40		ug/L	
				o-Xylene	2025/09/12	<0.40		ug/L	
				Xylenes (Total)	2025/09/12	<0.40		ug/L	
C084172	NGU	RPD		VH C6-C10	2025/09/13	NC		%	30
				1,2-dibromoethane	2025/09/13	NC		%	30
				1,2-dichloroethane	2025/09/13	0.56		%	30
				1,3,5-trimethylbenzene	2025/09/13	NC		%	30
				1,3-Butadiene	2025/09/13	NC		%	30
				Benzene	2025/09/13	NC		%	30
				Ethylbenzene	2025/09/13	NC		%	30
				Isopropylbenzene	2025/09/13	NC		%	30
				Methyl-tert-butylether (MTBE)	2025/09/13	NC		%	30
				Styrene	2025/09/13	NC		%	30
				Toluene	2025/09/13	NC		%	30
				m & p-Xylene	2025/09/13	NC		%	30
				o-Xylene	2025/09/13	NC		%	30
				Xylenes (Total)	2025/09/13	NC		%	30
C084265	CBK	Matrix Spike		Total Ammonia (N)	2025/09/12		106	%	80 - 120
C084265	CBK	Spiked Blank		Total Ammonia (N)	2025/09/12		109	%	80 - 120
C084265	CBK	Method Blank		Total Ammonia (N)	2025/09/12	<0.015		mg/L	
C084265	CBK	RPD		Total Ammonia (N)	2025/09/12	NC		%	20



Bureau Veritas Job #: C576694
Report Date: 2025/09/22

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

QUALITY ASSURANCE REPORT(CONT'D)

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
C084296	CBK	Matrix Spike	Total Ammonia (N)	2025/09/12		106	%	80 - 120
C084296	CBK	Spiked Blank	Total Ammonia (N)	2025/09/12		110	%	80 - 120
C084296	CBK	Method Blank	Total Ammonia (N)	2025/09/12	<0.015		mg/L	
C084296	CBK	RPD	Total Ammonia (N)	2025/09/12	NC		%	20
C084308	MEM	Matrix Spike	Total Aluminum (Al)	2025/09/15		97	%	80 - 120
			Total Antimony (Sb)	2025/09/15		103	%	80 - 120
			Total Arsenic (As)	2025/09/15		104	%	80 - 120
			Total Barium (Ba)	2025/09/15		103	%	80 - 120
			Total Beryllium (Be)	2025/09/15		102	%	80 - 120
			Total Bismuth (Bi)	2025/09/15		99	%	80 - 120
			Total Boron (B)	2025/09/15		105	%	80 - 120
			Total Cadmium (Cd)	2025/09/15		104	%	80 - 120
			Total Cesium (Cs)	2025/09/15		102	%	80 - 120
			Total Chromium (Cr)	2025/09/15		102	%	80 - 120
			Total Cobalt (Co)	2025/09/15		100	%	80 - 120
			Total Copper (Cu)	2025/09/15		100	%	80 - 120
			Total Iron (Fe)	2025/09/15		106	%	80 - 120
			Total Lead (Pb)	2025/09/15		97	%	80 - 120
			Total Lithium (Li)	2025/09/15		99	%	80 - 120
			Total Manganese (Mn)	2025/09/15		100	%	80 - 120
			Total Molybdenum (Mo)	2025/09/15		102	%	80 - 120
			Total Nickel (Ni)	2025/09/15		101	%	80 - 120
			Total Phosphorus (P)	2025/09/15		97	%	80 - 120
			Total Rubidium (Rb)	2025/09/15		100	%	80 - 120
			Total Selenium (Se)	2025/09/15		106	%	80 - 120
			Total Silicon (Si)	2025/09/15		103	%	80 - 120
			Total Silver (Ag)	2025/09/15		101	%	80 - 120
			Total Strontium (Sr)	2025/09/15		105	%	80 - 120
			Total Tellurium (Te)	2025/09/15		94	%	80 - 120
			Total Thallium (Tl)	2025/09/15		102	%	80 - 120
			Total Thorium (Th)	2025/09/15		103	%	80 - 120
			Total Tin (Sn)	2025/09/15		102	%	80 - 120
			Total Titanium (Ti)	2025/09/15		103	%	80 - 120
			Total Uranium (U)	2025/09/15		90	%	80 - 120
			Total Vanadium (V)	2025/09/15		102	%	80 - 120
			Total Zinc (Zn)	2025/09/15		101	%	80 - 120
			Total Zirconium (Zr)	2025/09/15		105	%	80 - 120
C084308	MEM	Spiked Blank	Total Aluminum (Al)	2025/09/15		101	%	80 - 120
			Total Antimony (Sb)	2025/09/15		107	%	80 - 120
			Total Arsenic (As)	2025/09/15		106	%	80 - 120
			Total Barium (Ba)	2025/09/15		105	%	80 - 120
			Total Beryllium (Be)	2025/09/15		103	%	80 - 120
			Total Bismuth (Bi)	2025/09/15		100	%	80 - 120
			Total Boron (B)	2025/09/15		100	%	80 - 120
			Total Cadmium (Cd)	2025/09/15		105	%	80 - 120
			Total Cesium (Cs)	2025/09/15		104	%	80 - 120
			Total Chromium (Cr)	2025/09/15		107	%	80 - 120
			Total Cobalt (Co)	2025/09/15		102	%	80 - 120
			Total Copper (Cu)	2025/09/15		102	%	80 - 120
			Total Iron (Fe)	2025/09/15		104	%	80 - 120
			Total Lead (Pb)	2025/09/15		98	%	80 - 120
			Total Lithium (Li)	2025/09/15		99	%	80 - 120
			Total Manganese (Mn)	2025/09/15		105	%	80 - 120



Bureau Veritas Job #: C576694
Report Date: 2025/09/22

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

QUALITY ASSURANCE REPORT(CONT'D)

QA/QC	Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
C084308	MEM	Method Blank		Total Molybdenum (Mo)	2025/09/15		102	%	80 - 120
				Total Nickel (Ni)	2025/09/15		102	%	80 - 120
				Total Phosphorus (P)	2025/09/15		100	%	80 - 120
				Total Rubidium (Rb)	2025/09/15		100	%	80 - 120
				Total Selenium (Se)	2025/09/15		107	%	80 - 120
				Total Silicon (Si)	2025/09/15		103	%	80 - 120
				Total Silver (Ag)	2025/09/15		103	%	80 - 120
				Total Strontium (Sr)	2025/09/15		106	%	80 - 120
				Total Tellurium (Te)	2025/09/15		112	%	80 - 120
				Total Thallium (Tl)	2025/09/15		102	%	80 - 120
				Total Thorium (Th)	2025/09/15		103	%	80 - 120
				Total Tin (Sn)	2025/09/15		106	%	80 - 120
				Total Titanium (Ti)	2025/09/15		105	%	80 - 120
				Total Uranium (U)	2025/09/15		90	%	80 - 120
				Total Vanadium (V)	2025/09/15		105	%	80 - 120
				Total Zinc (Zn)	2025/09/15		106	%	80 - 120
				Total Zirconium (Zr)	2025/09/15		107	%	80 - 120
				Total Aluminum (Al)	2025/09/15	<0.50		ug/L	
				Total Antimony (Sb)	2025/09/15	<0.020		ug/L	
				Total Arsenic (As)	2025/09/15	<0.020		ug/L	
				Total Barium (Ba)	2025/09/15	<0.020		ug/L	
				Total Beryllium (Be)	2025/09/15	<0.010		ug/L	
				Total Bismuth (Bi)	2025/09/15	<0.0050		ug/L	
				Total Boron (B)	2025/09/15	<10		ug/L	
				Total Cadmium (Cd)	2025/09/15	<0.0050		ug/L	
				Total Cesium (Cs)	2025/09/15	<0.050		ug/L	
				Total Chromium (Cr)	2025/09/15	<0.10		ug/L	
				Total Cobalt (Co)	2025/09/15	<0.0050		ug/L	
				Total Copper (Cu)	2025/09/15	<0.050		ug/L	
				Total Iron (Fe)	2025/09/15	<1.0		ug/L	
				Total Lead (Pb)	2025/09/15	<0.0050		ug/L	
				Total Lithium (Li)	2025/09/15	<0.50		ug/L	
				Total Manganese (Mn)	2025/09/15	<0.050		ug/L	
				Total Molybdenum (Mo)	2025/09/15	<0.050		ug/L	
				Total Nickel (Ni)	2025/09/15	<0.020		ug/L	
				Total Phosphorus (P)	2025/09/15	<2.0		ug/L	
				Total Rubidium (Rb)	2025/09/15	<0.050		ug/L	
				Total Selenium (Se)	2025/09/15	<0.040		ug/L	
				Total Silicon (Si)	2025/09/15	<50		ug/L	
				Total Silver (Ag)	2025/09/15	<0.0050		ug/L	
				Total Strontium (Sr)	2025/09/15	<0.050		ug/L	
				Total Tellurium (Te)	2025/09/15	<0.020		ug/L	
				Total Thallium (Tl)	2025/09/15	<0.0020		ug/L	
				Total Thorium (Th)	2025/09/15	<0.050		ug/L	
				Total Tin (Sn)	2025/09/15	<0.20		ug/L	
				Total Titanium (Ti)	2025/09/15	<0.50		ug/L	
				Total Uranium (U)	2025/09/15	<0.0020		ug/L	
				Total Vanadium (V)	2025/09/15	<0.20		ug/L	
				Total Zinc (Zn)	2025/09/15	<0.10		ug/L	
				Total Zirconium (Zr)	2025/09/15	<0.10		ug/L	
C084308	MEM	RPD		Total Aluminum (Al)	2025/09/15	NC		%	20
				Total Antimony (Sb)	2025/09/15	NC		%	20
				Total Arsenic (As)	2025/09/15	NC		%	20



Bureau Veritas Job #: C576694
Report Date: 2025/09/22

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

QUALITY ASSURANCE REPORT(CONT'D)

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
			Total Barium (Ba)	2025/09/15	NC		%	20
			Total Beryllium (Be)	2025/09/15	NC		%	20
			Total Bismuth (Bi)	2025/09/15	NC		%	20
			Total Boron (B)	2025/09/15	NC		%	20
			Total Cadmium (Cd)	2025/09/15	NC		%	20
			Total Chromium (Cr)	2025/09/15	NC		%	20
			Total Cobalt (Co)	2025/09/15	NC		%	20
			Total Copper (Cu)	2025/09/15	NC		%	20
			Total Iron (Fe)	2025/09/15	NC		%	20
			Total Lead (Pb)	2025/09/15	NC		%	20
			Total Lithium (Li)	2025/09/15	NC		%	20
			Total Manganese (Mn)	2025/09/15	NC		%	20
			Total Molybdenum (Mo)	2025/09/15	NC		%	20
			Total Nickel (Ni)	2025/09/15	NC		%	20
			Total Phosphorus (P)	2025/09/15	NC		%	20
			Total Selenium (Se)	2025/09/15	NC		%	20
			Total Silicon (Si)	2025/09/15	NC		%	20
			Total Silver (Ag)	2025/09/15	NC		%	20
			Total Strontium (Sr)	2025/09/15	NC		%	20
			Total Thallium (Tl)	2025/09/15	NC		%	20
			Total Tin (Sn)	2025/09/15	NC		%	20
			Total Titanium (Ti)	2025/09/15	NC		%	20
			Total Uranium (U)	2025/09/15	NC		%	20
			Total Vanadium (V)	2025/09/15	NC		%	20
			Total Zinc (Zn)	2025/09/15	NC		%	20
			Total Zirconium (Zr)	2025/09/15	NC		%	20
			Total Aluminum (Al)	2025/09/15	1.5		%	20
			Total Antimony (Sb)	2025/09/15	NC		%	20
			Total Arsenic (As)	2025/09/15	NC		%	20
			Total Barium (Ba)	2025/09/15	NC		%	20
			Total Beryllium (Be)	2025/09/15	NC		%	20
			Total Bismuth (Bi)	2025/09/15	NC		%	20
			Total Boron (B)	2025/09/15	NC		%	20
			Total Cadmium (Cd)	2025/09/15	NC		%	20
			Total Chromium (Cr)	2025/09/15	NC		%	20
			Total Copper (Cu)	2025/09/15	NC		%	20
			Total Iron (Fe)	2025/09/15	NC		%	20
			Total Lead (Pb)	2025/09/15	NC		%	20
			Total Lithium (Li)	2025/09/15	NC		%	20
			Total Manganese (Mn)	2025/09/15	NC		%	20
			Total Molybdenum (Mo)	2025/09/15	NC		%	20
			Total Nickel (Ni)	2025/09/15	NC		%	20
			Total Selenium (Se)	2025/09/15	NC		%	20
			Total Silver (Ag)	2025/09/15	NC		%	20
			Total Strontium (Sr)	2025/09/15	NC		%	20
			Total Thallium (Tl)	2025/09/15	NC		%	20
			Total Tin (Sn)	2025/09/15	NC		%	20
			Total Titanium (Ti)	2025/09/15	NC		%	20
			Total Uranium (U)	2025/09/15	NC		%	20
			Total Vanadium (V)	2025/09/15	NC		%	20
			Total Zinc (Zn)	2025/09/15	NC		%	20
C085489	AAX	Matrix Spike	Methyl Sulfone (sur.)	2025/09/15		101	%	50 - 140
			Ethylene Glycol	2025/09/15		89	%	60 - 140



Bureau Veritas Job #: C576694
Report Date: 2025/09/22

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

QUALITY ASSURANCE REPORT(CONT'D)

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
C085489	AAX	Spiked Blank	Diethylene Glycol	2025/09/15		116	%	60 - 140
			Triethylene Glycol	2025/09/15		108	%	60 - 140
			Propylene Glycol	2025/09/15		89	%	60 - 140
			Methyl Sulfone (sur.)	2025/09/15		101	%	50 - 140
			Ethylene Glycol	2025/09/15		93	%	70 - 130
			Diethylene Glycol	2025/09/15		112	%	70 - 130
C085489	AAX	Method Blank	Triethylene Glycol	2025/09/15		105	%	70 - 130
			Propylene Glycol	2025/09/15		98	%	70 - 130
			Methyl Sulfone (sur.)	2025/09/15		104	%	50 - 140
			Ethylene Glycol	2025/09/15	<3.0		mg/L	
			Diethylene Glycol	2025/09/15	<5.0		mg/L	
			Triethylene Glycol	2025/09/15	<5.0		mg/L	
C085489	AAX	RPD	Propylene Glycol	2025/09/15	<5.0		mg/L	
			Ethylene Glycol	2025/09/15	NC		%	30
			Diethylene Glycol	2025/09/15	NC		%	30
			Triethylene Glycol	2025/09/15	NC		%	30
C085561	MEM	Matrix Spike [DSN097-07]	Propylene Glycol	2025/09/15	NC		%	30
			Total Aluminum (Al)	2025/09/15		NC	%	80 - 120
			Total Antimony (Sb)	2025/09/15		96	%	80 - 120
			Total Arsenic (As)	2025/09/15		102	%	80 - 120
			Total Barium (Ba)	2025/09/15		NC	%	80 - 120
			Total Beryllium (Be)	2025/09/15		97	%	80 - 120
			Total Bismuth (Bi)	2025/09/15		94	%	80 - 120
			Total Boron (B)	2025/09/15		102	%	80 - 120
			Total Cadmium (Cd)	2025/09/15		99	%	80 - 120
			Total Cesium (Cs)	2025/09/15		99	%	80 - 120
			Total Chromium (Cr)	2025/09/15		96	%	80 - 120
			Total Cobalt (Co)	2025/09/15		92	%	80 - 120
			Total Copper (Cu)	2025/09/15		90	%	80 - 120
			Total Iron (Fe)	2025/09/15		NC	%	80 - 120
			Total Lead (Pb)	2025/09/15		94	%	80 - 120
			Total Lithium (Li)	2025/09/15		94	%	80 - 120
			Total Manganese (Mn)	2025/09/15		NC	%	80 - 120
			Total Molybdenum (Mo)	2025/09/15		99	%	80 - 120
			Total Nickel (Ni)	2025/09/15		91	%	80 - 120
			Total Phosphorus (P)	2025/09/15		99	%	80 - 120
			Total Rubidium (Rb)	2025/09/15		NC	%	80 - 120
			Total Selenium (Se)	2025/09/15		101	%	80 - 120
			Total Silicon (Si)	2025/09/15		NC	%	80 - 120
			Total Silver (Ag)	2025/09/15		96	%	80 - 120
			Total Strontium (Sr)	2025/09/15		125 (1)	%	80 - 120
			Total Tellurium (Te)	2025/09/15		96	%	80 - 120
			Total Thallium (Tl)	2025/09/15		97	%	80 - 120
			Total Thorium (Th)	2025/09/15		102	%	80 - 120
			Total Tin (Sn)	2025/09/15		97	%	80 - 120
			Total Titanium (Ti)	2025/09/15		NC	%	80 - 120
			Total Uranium (U)	2025/09/15		87	%	80 - 120
			Total Vanadium (V)	2025/09/15		97	%	80 - 120
			Total Zinc (Zn)	2025/09/15		92	%	80 - 120
			Total Zirconium (Zr)	2025/09/15		116	%	80 - 120
C085561	MEM	Spiked Blank	Total Aluminum (Al)	2025/09/15		98	%	80 - 120
			Total Antimony (Sb)	2025/09/15		100	%	80 - 120
			Total Arsenic (As)	2025/09/15		103	%	80 - 120



Bureau Veritas Job #: C576694
Report Date: 2025/09/22

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

QUALITY ASSURANCE REPORT(CONT'D)

QA/QC	Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
				Total Barium (Ba)	2025/09/15		101	%	80 - 120
				Total Beryllium (Be)	2025/09/15		101	%	80 - 120
				Total Bismuth (Bi)	2025/09/15		97	%	80 - 120
				Total Boron (B)	2025/09/15		104	%	80 - 120
				Total Cadmium (Cd)	2025/09/15		102	%	80 - 120
				Total Cesium (Cs)	2025/09/15		102	%	80 - 120
				Total Chromium (Cr)	2025/09/15		100	%	80 - 120
				Total Cobalt (Co)	2025/09/15		96	%	80 - 120
				Total Copper (Cu)	2025/09/15		96	%	80 - 120
				Total Iron (Fe)	2025/09/15		100	%	80 - 120
				Total Lead (Pb)	2025/09/15		95	%	80 - 120
				Total Lithium (Li)	2025/09/15		100	%	80 - 120
				Total Manganese (Mn)	2025/09/15		100	%	80 - 120
				Total Molybdenum (Mo)	2025/09/15		102	%	80 - 120
				Total Nickel (Ni)	2025/09/15		97	%	80 - 120
				Total Phosphorus (P)	2025/09/15		99	%	80 - 120
				Total Rubidium (Rb)	2025/09/15		100	%	80 - 120
				Total Selenium (Se)	2025/09/15		101	%	80 - 120
				Total Silicon (Si)	2025/09/15		102	%	80 - 120
				Total Silver (Ag)	2025/09/15		101	%	80 - 120
				Total Strontium (Sr)	2025/09/15		103	%	80 - 120
				Total Tellurium (Te)	2025/09/15		102	%	80 - 120
				Total Thallium (Tl)	2025/09/15		98	%	80 - 120
				Total Thorium (Th)	2025/09/15		99	%	80 - 120
				Total Tin (Sn)	2025/09/15		104	%	80 - 120
				Total Titanium (Ti)	2025/09/15		101	%	80 - 120
				Total Uranium (U)	2025/09/15		88	%	80 - 120
				Total Vanadium (V)	2025/09/15		100	%	80 - 120
				Total Zinc (Zn)	2025/09/15		97	%	80 - 120
				Total Zirconium (Zr)	2025/09/15		101	%	80 - 120
C085561	MEM		Method Blank	Total Aluminum (Al)	2025/09/15	<3.0		ug/L	
				Total Antimony (Sb)	2025/09/15	<0.020		ug/L	
				Total Arsenic (As)	2025/09/15	<0.020		ug/L	
				Total Barium (Ba)	2025/09/15	<0.050		ug/L	
				Total Beryllium (Be)	2025/09/15	<0.010		ug/L	
				Total Bismuth (Bi)	2025/09/15	<0.010		ug/L	
				Total Boron (B)	2025/09/15	<10		ug/L	
				Total Cadmium (Cd)	2025/09/15	<0.0050		ug/L	
				Total Cesium (Cs)	2025/09/15	<0.050		ug/L	
				Total Chromium (Cr)	2025/09/15	<0.10		ug/L	
				Total Cobalt (Co)	2025/09/15	<0.010		ug/L	
				Total Copper (Cu)	2025/09/15	<0.10		ug/L	
				Total Iron (Fe)	2025/09/15	<5.0		ug/L	
				Total Lead (Pb)	2025/09/15	<0.020		ug/L	
				Total Lithium (Li)	2025/09/15	<0.50		ug/L	
				Total Manganese (Mn)	2025/09/15	<0.10		ug/L	
				Total Molybdenum (Mo)	2025/09/15	<0.050		ug/L	
				Total Nickel (Ni)	2025/09/15	<0.10		ug/L	
				Total Phosphorus (P)	2025/09/15	<5.0		ug/L	
				Total Rubidium (Rb)	2025/09/15	<0.050		ug/L	
				Total Selenium (Se)	2025/09/15	<0.040		ug/L	
				Total Silicon (Si)	2025/09/15	<50		ug/L	
				Total Silver (Ag)	2025/09/15	<0.010		ug/L	



Bureau Veritas Job #: C576694
Report Date: 2025/09/22

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

QUALITY ASSURANCE REPORT(CONT'D)

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
C085561	MEM	RPD [DSN095-07]	Total Strontium (Sr)	2025/09/15	<0.050		ug/L	
			Total Tellurium (Te)	2025/09/15	<0.020		ug/L	
			Total Thallium (Tl)	2025/09/15	<0.0020		ug/L	
			Total Thorium (Th)	2025/09/15	<0.050		ug/L	
			Total Tin (Sn)	2025/09/15	<0.20		ug/L	
			Total Titanium (Ti)	2025/09/15	<2.0		ug/L	
			Total Uranium (U)	2025/09/15	<0.0050		ug/L	
			Total Vanadium (V)	2025/09/15	<0.20		ug/L	
			Total Zinc (Zn)	2025/09/15	<1.0		ug/L	
			Total Zirconium (Zr)	2025/09/15	<0.10		ug/L	
			Total Aluminum (Al)	2025/09/15	6.6		%	20
			Total Antimony (Sb)	2025/09/15	NC		%	20
			Total Arsenic (As)	2025/09/15	1.4		%	20
			Total Barium (Ba)	2025/09/15	5.4		%	20
			Total Beryllium (Be)	2025/09/15	NC		%	20
			Total Bismuth (Bi)	2025/09/15	NC		%	20
			Total Boron (B)	2025/09/15	NC		%	20
			Total Cadmium (Cd)	2025/09/15	NC		%	20
			Total Cesium (Cs)	2025/09/15	NC		%	20
			Total Chromium (Cr)	2025/09/15	6.9		%	20
			Total Cobalt (Co)	2025/09/15	10		%	20
			Total Copper (Cu)	2025/09/15	5.5		%	20
			Total Iron (Fe)	2025/09/15	0.89		%	20
			Total Lead (Pb)	2025/09/15	7.8		%	20
			Total Lithium (Li)	2025/09/15	NC		%	20
			Total Manganese (Mn)	2025/09/15	3.2		%	20
			Total Molybdenum (Mo)	2025/09/15	2.4		%	20
			Total Nickel (Ni)	2025/09/15	0.13		%	20
			Total Phosphorus (P)	2025/09/15	19		%	20
			Total Rubidium (Rb)	2025/09/15	6.0		%	20
			Total Selenium (Se)	2025/09/15	NC		%	20
			Total Silicon (Si)	2025/09/15	4.5		%	20
			Total Silver (Ag)	2025/09/15	NC		%	20
			Total Strontium (Sr)	2025/09/15	2.8		%	20
			Total Tellurium (Te)	2025/09/15	NC		%	20
			Total Thallium (Tl)	2025/09/15	NC		%	20
			Total Thorium (Th)	2025/09/15	NC		%	20
			Total Tin (Sn)	2025/09/15	NC		%	20
			Total Titanium (Ti)	2025/09/15	NC		%	20
			Total Uranium (U)	2025/09/15	9.9		%	20
			Total Vanadium (V)	2025/09/15	4.8		%	20
			Total Zinc (Zn)	2025/09/15	17		%	20
			Total Zirconium (Zr)	2025/09/15	NC		%	20
C085579	JP1	Spiked Blank	D10-ANTHRACENE (sur.)	2025/09/16		109	%	50 - 140
			D8-ACENAPHTHYLENE (sur.)	2025/09/16		97	%	50 - 140
			D8-NAPHTHALENE (sur.)	2025/09/16		85	%	50 - 140
			TERPHENYL-D14 (sur.)	2025/09/16		90	%	50 - 140
			Quinoline	2025/09/16		97	%	50 - 140
			Naphthalene	2025/09/16		84	%	50 - 140
			1-Methylnaphthalene	2025/09/16		84	%	50 - 140
			2-Methylnaphthalene	2025/09/16		83	%	50 - 140
			Acenaphthylene	2025/09/16		86	%	50 - 140
			Acenaphthene	2025/09/16		85	%	50 - 140



Bureau Veritas Job #: C576694
Report Date: 2025/09/22

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

QUALITY ASSURANCE REPORT(CONT'D)

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
C085579	JP1	Method Blank	Fluorene	2025/09/16		86	%	50 - 140
			Phenanthrene	2025/09/16		86	%	50 - 140
			Anthracene	2025/09/16		88	%	50 - 140
			Acridine	2025/09/16		84	%	50 - 140
			Fluoranthene	2025/09/16		70	%	50 - 140
			Pyrene	2025/09/16		74	%	50 - 140
			Benzo(a)anthracene	2025/09/16		86	%	50 - 140
			Chrysene	2025/09/16		89	%	50 - 140
			Benzo(b&j)fluoranthene	2025/09/16		89	%	50 - 140
			Benzo(k)fluoranthene	2025/09/16		94	%	50 - 140
			Benzo(a)pyrene	2025/09/16		85	%	50 - 140
			Indeno(1,2,3-cd)pyrene	2025/09/16		93	%	50 - 140
			Dibenz(a,h)anthracene	2025/09/16		93	%	50 - 140
			Benzo(g,h,i)perylene	2025/09/16		93	%	50 - 140
			D10-ANTHRACENE (sur.)	2025/09/16		121	%	50 - 140
			D8-ACENAPHTHYLENE (sur.)	2025/09/16		98	%	50 - 140
			D8-NAPHTHALENE (sur.)	2025/09/16		73	%	50 - 140
			TERPHENYL-D14 (sur.)	2025/09/16		95	%	50 - 140
			Quinoline	2025/09/16	<0.020		ug/L	
			Naphthalene	2025/09/16	<0.10		ug/L	
			1-Methylnaphthalene	2025/09/16	<0.050		ug/L	
			2-Methylnaphthalene	2025/09/16	<0.10		ug/L	
			Acenaphthylene	2025/09/16	<0.050		ug/L	
			Acenaphthene	2025/09/16	<0.050		ug/L	
			Fluorene	2025/09/16	<0.050		ug/L	
			Phenanthrene	2025/09/16	<0.050		ug/L	
			Anthracene	2025/09/16	<0.010		ug/L	
			Acridine	2025/09/16	<0.050		ug/L	
			Fluoranthene	2025/09/16	<0.020		ug/L	
			Pyrene	2025/09/16	<0.020		ug/L	
			Benzo(a)anthracene	2025/09/16	<0.010		ug/L	
			Chrysene	2025/09/16	<0.020		ug/L	
			Benzo(b&j)fluoranthene	2025/09/16	<0.030		ug/L	
			Benzo(k)fluoranthene	2025/09/16	<0.050		ug/L	
			Benzo(a)pyrene	2025/09/16	<0.0050		ug/L	
			Indeno(1,2,3-cd)pyrene	2025/09/16	<0.050		ug/L	
			Dibenz(a,h)anthracene	2025/09/16	<0.0030		ug/L	
			Benzo(g,h,i)perylene	2025/09/16	<0.050		ug/L	
C085588	IT1	Spiked Blank	O-TERPHENYL (sur.)	2025/09/15		127	%	60 - 140
			EPH (C10-C19)	2025/09/15		119	%	70 - 130
			EPH (C19-C32)	2025/09/15		129	%	70 - 130
C085588	IT1	Method Blank	O-TERPHENYL (sur.)	2025/09/15		120	%	60 - 140
			EPH (C10-C19)	2025/09/15	<0.20		mg/L	
			EPH (C19-C32)	2025/09/15	<0.20		mg/L	
C085588	IT1	RPD	EPH (C10-C19)	2025/09/15	NC		%	30
			EPH (C19-C32)	2025/09/15	NC		%	30
C085929	KA5	Matrix Spike	Total Suspended Solids	2025/09/16		104	%	80 - 120
C085929	KA5	Spiked Blank	Total Suspended Solids	2025/09/16		103	%	80 - 120
C085929	KA5	Method Blank	Total Suspended Solids	2025/09/16	<1.0		mg/L	
C085929	KA5	RPD	Total Suspended Solids	2025/09/16	15		%	20
C085969	CT6	Matrix Spike [DSN100-08]	Total Sulphide	2025/09/16		96	%	80 - 120
C085969	CT6	Spiked Blank	Total Sulphide	2025/09/16		99	%	80 - 120
C085969	CT6	Method Blank	Total Sulphide	2025/09/16	<0.0018		mg/L	



Bureau Veritas Job #: C576694
Report Date: 2025/09/22

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

QUALITY ASSURANCE REPORT(CONT'D)

QA/QC	Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
	C085969	CT6	RPD [DSN099-08]	Total Sulphide	2025/09/16	NC		%	20
	C089328	AA1	Spiked Blank	Dissolved Zinc (Zn)	2025/09/17		108	%	80 - 120
	C089328	AA1	Method Blank	Dissolved Zinc (Zn)	2025/09/17	<0.10		ug/L	
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) Recovery or RPD for this parameter is outside control limits. The overall quality control for this analysis meets acceptability criteria.									



Bureau Veritas Job #: C576694
Report Date: 2025/09/22

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

VALIDATION SIGNATURE PAGE

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

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

Kimberly Tamaki, Scientist, Ecotoxicology

Levi Manchak, Project Manager SR

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

Sandy Yuan, M.Sc., QP, 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

W113128 (ECOC)

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		Date		Received By		Date	
Anan Farjizadeh	AF	Sep 9	16:40	Sanjay Sasipruthy	SP	2025/09/10	16:40

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.

Test Information			
Sampled By (Print)	# of Coolers/Pigs	Rush ☐	Immediate Test ☐
AF		Micro ☐	Food Residue ☐
			Food Chemistry ☐

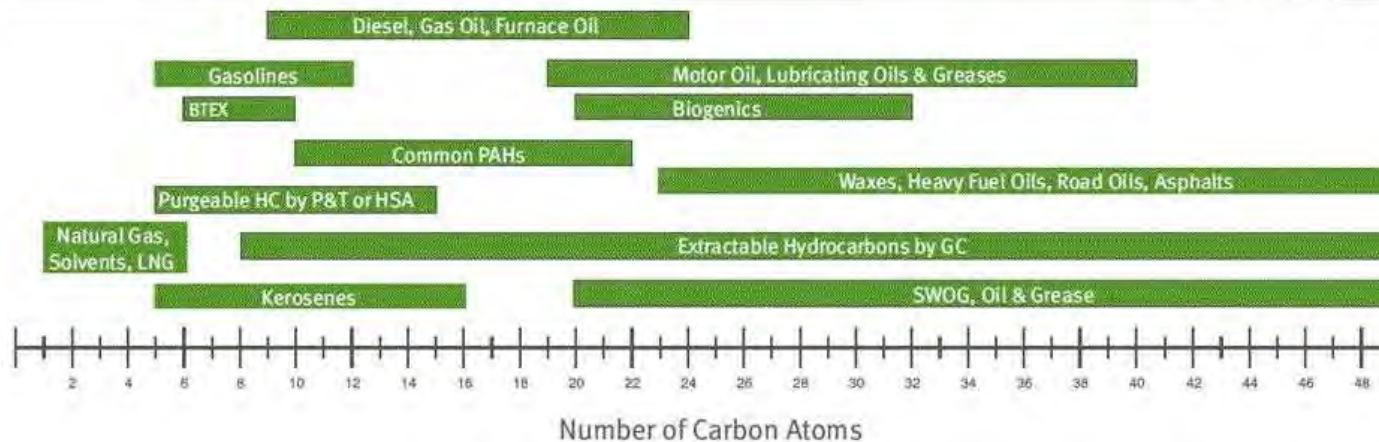
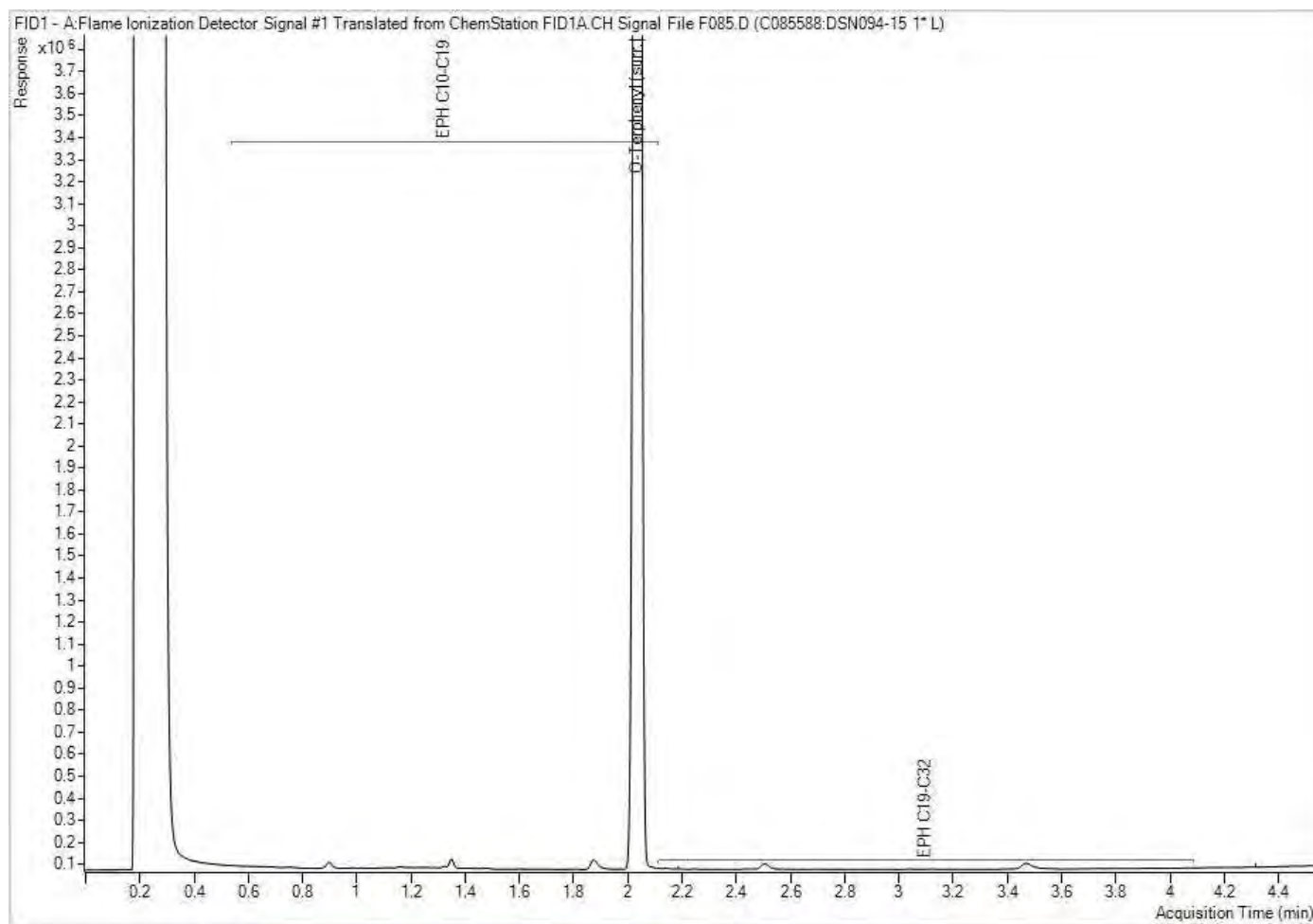
Received At		Labeled By		Verified By		Lab Comments	

MVAN-2025-09-617

Custody Seal		Cooling Media	Temperature °C		
Intact (Y/N)	Present (Y/N)	Present (Y/N)	1	2	3

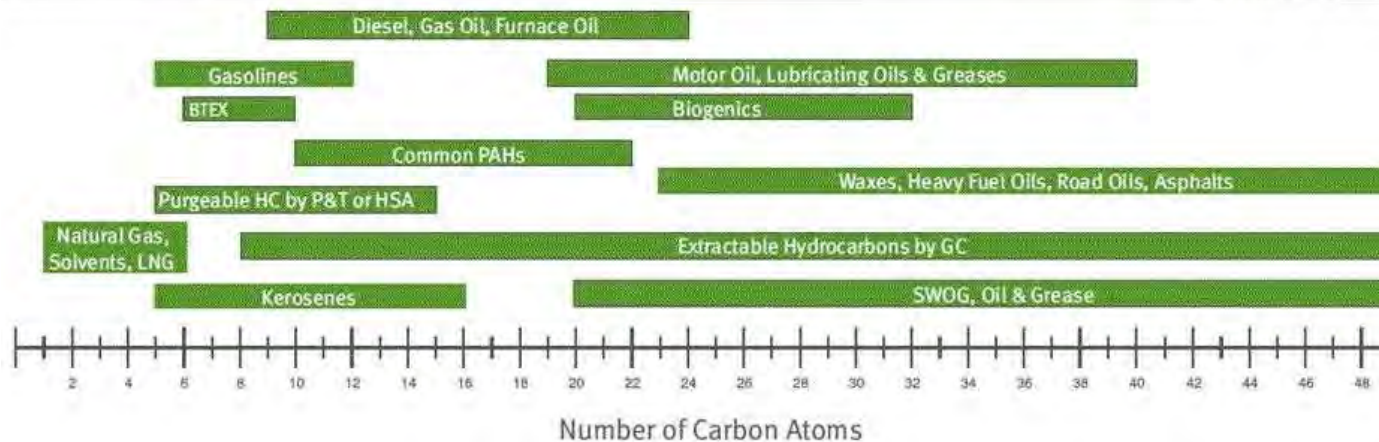
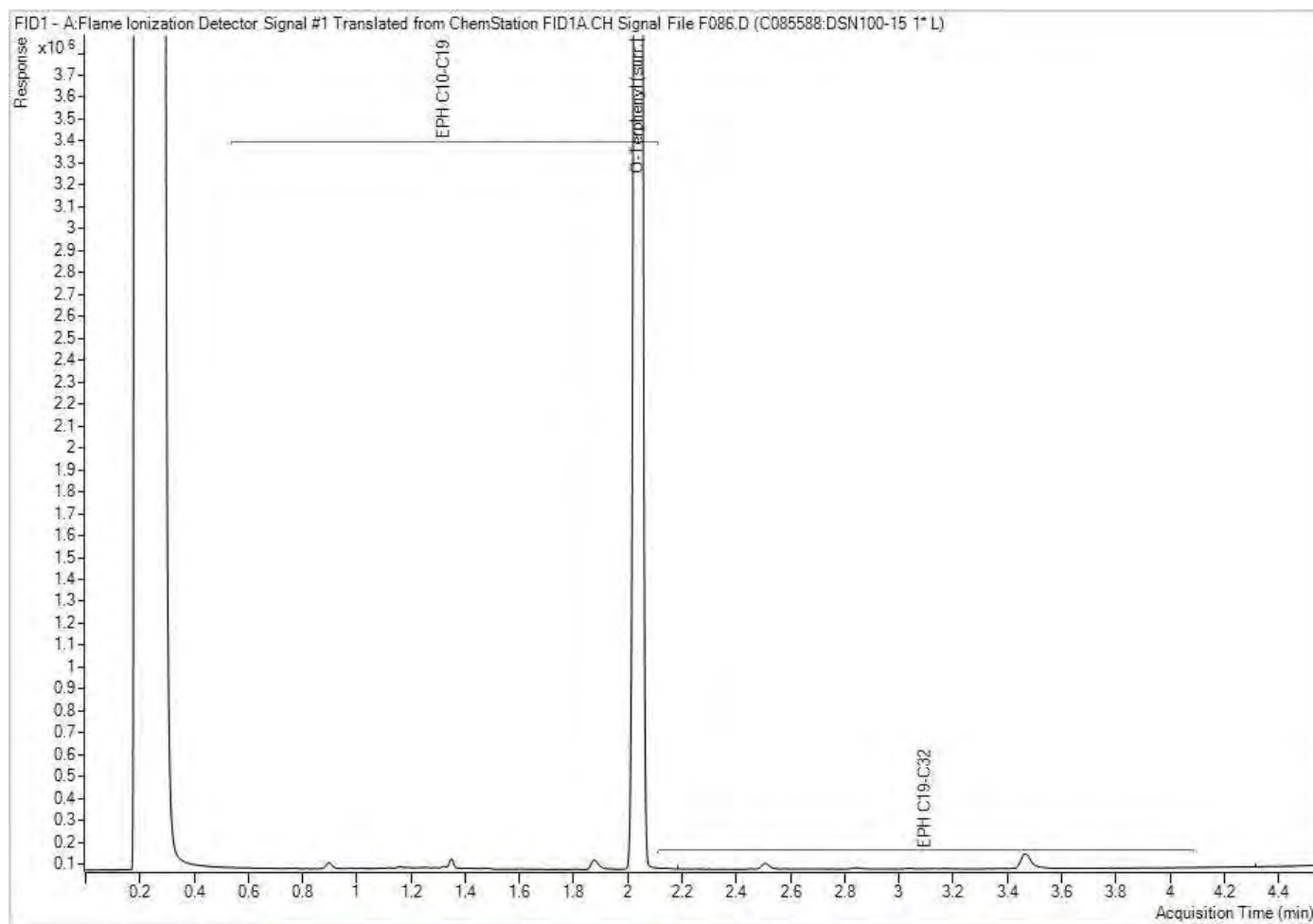
Drinking Water Metals Preservation Check Done (Circle) YES NO

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.

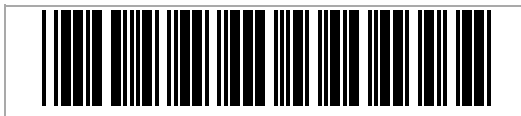
EPH in Water when PAH required Chromatogram



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



eCOC: W113128



Project Information: C576694
Job Received: 2025/09/09 16:40
Expected TAT: Standard TAT
Expected Arrival: 2025/09/09 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	Rainbow Trout LC50 Multi-concentration	Set Number
WLNG-DS	1	2025/09/09	WATER	14	A				1
WLNG -EOP	2	2025/09/09	WATER	22	A	A		A	2
WLNG-US	3	2025/09/09	WATER	14	A				1
SQRI-US	4	2025/09/09	WATER	14	A				1
SQRI-DS	5	2025/09/09	WATER	14	A				1
Field Blank	6	2025/09/09	WATER	14			A		3
Trip Blank	7	2025/09/09	WATER	14			A		3
Dup	8	2025/09/09	WATER	18	A	A			4

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

Submission Information

of Samples: 8

Sample Set Listing

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



RESULTS OF RAINBOW TROUT LC50 MULTI-CONCENTRATION

Client : 12239 Fortis BC Energy Inc, Surrey
Client Project Name & Number: Woodfibre Pipeline Project Fortis11234/PE-110163

Job Number: C576694

Test Result:

96 hrs LC50 % vol/vol (95% CL): >100% (N/A) **Statistical Method:** Visual

Sample Name : WLNG -EOP

Description: Clear, colourless **Sample Number:** DSN094-17
Sample Collected: Sep 09, 2025 **Sampling Method :** N/A **Site Collection:** N/A
Sample Collected By: AF **Volume Received:** 4 x ECO20 **Avg Temp Arrival:** 15 °C **Storage:** 2-6 °C
Sample Received: Sep 09, 2025 04:40 PM **pH:** 7.6 **Dissolved Oxygen:** 10.2 mg/L
Analysis Start : Sep 10, 2025 04:30 PM **Temperature :** 15 °C **Sample Conductance:** 160 µS/cm

Concentration	Temperature (°C)	Temperature (°C)	Dissolved Oxygen (mg/L)	Dissolved Oxygen (mg/L)	pH	pH	Conductivity (uS/cm)	Mortality (#)	Mortality (%)	Atypical Behaviour (#)
% vol/vol	Initial	96 hrs	Initial	96 hrs	Initial	96 hrs	Initial	96 hrs	96 hrs	96 hrs
0	15	15	10.1	9.9	7.6	7.7	50	0	0	0
6.25	15	15	10.1	9.9	7.6	7.7	60	0	0	0
12.5	15	15	10.1	9.9	7.6	7.6	63	0	0	0
25	15	15	10.1	9.8	7.7	7.6	80	0	0	0
50	15	15	10.1	9.8	7.6	7.7	107	0	0	0
100	15	15	10.1	9.8	7.6	7.7	160	0	0	0

Comments : All fish appeared and behaved normally at 24 hours, 48 hours, 72 hours, and 96 hours into testing.

Culture/Control/Dilution Water Burnaby Municipal Dechlorinated Water

Hardness: 22 mg/L CaCO₃ Other parameters available on request.

Test Conditions Test concentration : 0,6.25,12.5,25,50,100 (% vol/vol)

Organisms per Vessel : 10 **Test Temperature :** 15 ± 1 °C **Solution Depth :** >15 cm
Total # of Organisms Used : 60 **Pre-aeration Time :** 120 min. **Rate of Aeration** 6.5±1 mL/ (min*L)
Test Volume : 15 L **Vessel Volume :** 20L **Test pH Adjusted:** No
Loading Density : 0.3 g/L **Photoperiod :** 16:8 (light: dark)

Test Organism : Rainbow Trout (*Oncorhynchus mykiss*) **Source :** Aqua Farm
Culture Temperature : 15 ± 2 °C **Weight (Mean) +- SD :** 0.4 ± 0.1 g **Length (Mean) +- SD :** 3.69 ± 0.33 cm
Culture Water Renewal : ≥ 1L/min/kg fish **Weight (Range) :** 0.2 – 0.7 g **Length (Range) :** 3.10 – 4.20 cm
Culture Photoperiod : 16:8 (light: dark) **% Mortality within 7 days :** 0%
Feeding rate and frequency : daily: 1-5% biomass of trout. **Acclimation Time:** >14 days

Reference chemical: Zinc **Test Date:** Sep 06, 2025
Test Endpoint 96 hrs LC50 (95% confidence interval) : 0.18 (0.13, 0.25)mg/L **Statistical Method :** Probit
Historical Mean LC50 (warning limits) : 0.18 (0.09, 0.34) mg/L **Concentration :** 0,0.04,0.08,0.16,0.32,0.64 mg/L

Test Method BV Lab's BBY2SOP-00004 is based on the latest version of EPS 1/RM9 and EPS 1 /RM13.

Method Deviations : None.

Note: The results contained in this report refer only to the testing of the sample submitted. Bureau Veritas is accredited to ISO/IEC 17025 for specific parameters on scopes of accreditation, including the toxicity parameters reported herein. The conductivity, dissolved oxygen and pH data contained within the toxicity report are provided for information purposes and are not individually accredited parameters. This report may not be reproduced, except in its entirety, without the written approval of the laboratory.

Analyst : Larissa dos Santos Soares, Melanie Mazziotti

Verified By : Kimberly Tamaki, Scientist, Ecotoxicology

Date: Sep 22, 2025 09:16 AM



eCOC: W113128

Project Information: C576694
Job Received: 2025/09/09 16:40
Expected TAT: Standard TAT
Expected Arrival: 2025/09/09 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	Rainbow Trout LC50 Multi-concentration	Set Number
WLNG-DS	1	2025/09/09	WATER	14	A				1
WLNG -EOP	2	2025/09/09	WATER	22	A	A		A	2
WLNG-US	3	2025/09/09	WATER	14	A				1
SQRI-US	4	2025/09/09	WATER	14	A				1
SQRI-DS	5	2025/09/09	WATER	14	A				1
Field Blank	6	2025/09/09	WATER	14			A		3
Trip Blank	7	2025/09/09	WATER	14			A		3
Dup	8	2025/09/09	WATER	18	A	A			4

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

Submission Information

of Samples: 8



Sample Set Listing

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

Parameter Summary

Package/Test	Parameter	RDL	Unit	Set 1	Set 2	Set 3	Set 4
Woodfibre 2025	Alkalinity (PP as CaCO3)	1	mg/L	X	X		X
	Alkalinity (Total as CaCO3)	1	mg/L	X	X		X
	Bicarbonate (HCO3)	1	mg/L	X	X		X
	Carbonate (CO3)	1	mg/L	X	X		X
	Hydroxide (OH)	1	mg/L	X	X		X
	Total Ammonia (N)	0.015	mg/L	X	X		X
	Bromide (Br)	0.01	mg/L	X	X		X
	Dissolved Organic Carbon (C)	0.5	mg/L	X	X		X
	Total Organic Carbon (C)	0.5	mg/L	X	X		
	Chloride (Cl)	1	mg/L	X	X		X
	Sulphate (SO4)	1	mg/L	X	X		X
	Total Chromium III	0.002	mg/L	X	X		X
	Dissolved Aluminum (Al)	0.5	ug/L	X	X		X
	Dissolved Antimony (Sb)	0.02	ug/L	X	X		X
	Dissolved Arsenic (As)	0.02	ug/L	X	X		X
	Dissolved Barium (Ba)	0.02	ug/L	X	X		X
	Dissolved Beryllium (Be)	0.01	ug/L	X	X		X
	Dissolved Bismuth (Bi)	0.005	ug/L	X	X		X
	Dissolved Boron (B)	10	ug/L	X	X		X
	Dissolved Cadmium (Cd)	0.005	ug/L	X	X		X
	Dissolved Cesium (Cs)	0.05	ug/L	X	X		X
	Dissolved Chromium (Cr)	0.1	ug/L	X	X		X
	Dissolved Cobalt (Co)	0.005	ug/L	X	X		X
	Dissolved Copper (Cu)	0.05	ug/L	X	X		X
	Dissolved Iron (Fe)	1	ug/L	X	X		X
	Dissolved Lead (Pb)	0.005	ug/L	X	X		X
	Dissolved Lithium (Li)	0.5	ug/L	X	X		X
	Dissolved Manganese (Mn)	0.05	ug/L	X	X		X
	Dissolved Molybdenum (Mo)	0.05	ug/L	X	X		X
	Dissolved Nickel (Ni)	0.02	ug/L	X	X		X
	Dissolved Phosphorus (P)	2	ug/L	X	X		X
	Dissolved Rubidium (Rb)	0.05	ug/L	X	X		X
	Dissolved Selenium (Se)	0.04	ug/L	X	X		X
	Dissolved Silicon (Si)	50	ug/L	X	X		X



Parameter Summary

Package/Test	Parameter	RDL	Unit	Set 1	Set 2	Set 3	Set 4
Woodfibre 2025	Dissolved Silver (Ag)	0.005	ug/L	X	X		X
	Dissolved Strontium (Sr)	0.05	ug/L	X	X		X
	Dissolved Tellurium (Te)	0.02	ug/L	X	X		X
	Dissolved Thallium (Tl)	0.002	ug/L	X	X		X
	Dissolved Thorium (Th)	0.005	ug/L	X	X		X
	Dissolved Tin (Sn)	0.2	ug/L	X	X		X
	Dissolved Titanium (Ti)	0.5	ug/L	X	X		X
	Dissolved Uranium (U)	0.002	ug/L	X	X		X
	Dissolved Vanadium (V)	0.2	ug/L	X	X		X
	Dissolved Zinc (Zn)	0.1	ug/L	X	X		X
	Dissolved Zirconium (Zr)	0.1	ug/L	X	X		X
	Total Aluminum (Al)	0.5	ug/L	X	X		X
	Total Antimony (Sb)	0.02	ug/L	X	X		X
	Total Arsenic (As)	0.02	ug/L	X	X		X
	Total Barium (Ba)	0.02	ug/L	X	X		X
	Total Beryllium (Be)	0.01	ug/L	X	X		X
	Total Bismuth (Bi)	0.005	ug/L	X	X		X
	Total Boron (B)	10	ug/L	X	X		X
	Total Cadmium (Cd)	0.005	ug/L	X	X		X
	Total Cesium (Cs)	0.05	ug/L	X	X		X
	Total Chromium (Cr)	0.1	ug/L	X	X		X
	Total Cobalt (Co)	0.005	ug/L	X	X		X
	Total Copper (Cu)	0.05	ug/L	X	X		X
	Total Iron (Fe)	1	ug/L	X	X		X
	Total Lead (Pb)	0.005	ug/L	X	X		X
	Total Lithium (Li)	0.5	ug/L	X	X		X
	Total Manganese (Mn)	0.05	ug/L	X	X		X
	Total Molybdenum (Mo)	0.05	ug/L	X	X		X
	Total Nickel (Ni)	0.02	ug/L	X	X		X
	Total Phosphorus (P)	2	ug/L	X	X		X
	Total Rubidium (Rb)	0.05	ug/L	X	X		X
	Total Selenium (Se)	0.04	ug/L	X	X		X
	Total Silicon (Si)	50	ug/L	X	X		X
	Total Silver (Ag)	0.005	ug/L	X	X		X
	Total Strontium (Sr)	0.05	ug/L	X	X		X
	Total Tellurium (Te)	0.02	ug/L	X	X		X
	Total Thallium (Tl)	0.002	ug/L	X	X		X
	Total Thorium (Th)	0.05	ug/L	X	X		X
	Total Tin (Sn)	0.2	ug/L	X	X		X
	Total Titanium (Ti)	0.5	ug/L	X	X		X



Parameter Summary

Package/Test	Parameter	RDL	Unit	Set 1	Set 2	Set 3	Set 4
Woodfibre 2025	Total Uranium (U)	0.002	ug/L	X	X		X
	Total Vanadium (V)	0.2	ug/L	X	X		X
	Total Zinc (Zn)	0.1	ug/L	X	X		X
	Total Zirconium (Zr)	0.1	ug/L	X	X		X
	Field pH	N/A	pH	X	X		X
	Field Temperature	N/A	°C	X	X		X
	Dissolved Fluoride (F)	0.05	mg/L	X	X		X
	Dissolved Hardness (CaCO3)	0.5	mg/L	X	X		X
	Total Hardness (CaCO3)	0.5	mg/L	X	X		X
	Dissolved Mercury (Hg)	0.0019	ug/L	X	X		X
	Total Mercury (Hg)	0.0019	ug/L	X	X		X
	Dissolved Calcium (Ca)	0.01	mg/L	X	X		X
	Dissolved Magnesium (Mg)	0.01	mg/L	X	X		X
	Dissolved Potassium (K)	0.01	mg/L	X	X		X
	Dissolved Sodium (Na)	0.01	mg/L	X	X		X
	Dissolved Sulphur (S)	0.6	mg/L	X	X		X
	Total Calcium (Ca)	0.01	mg/L	X	X		X
	Total Magnesium (Mg)	0.01	mg/L	X	X		X
	Total Potassium (K)	0.01	mg/L	X	X		X
	Total Sodium (Na)	0.01	mg/L	X	X		X
	Total Sulphur (S)	0.6	mg/L	X	X		X
	Nitrate plus Nitrite (N)	0.02	mg/L	X	X		X
	Nitrite (N)	0.005	mg/L	X	X		X
	Nitrate (N)	0.02	mg/L	X	X		X
	Total Nitrogen (N)	0.02	mg/L	X	X		X
	pH	N/A	pH	X	X		X
	Sulphide (as H2S)	N/A	mg/L	X	X		X
	Total Dissolved Solids	10	mg/L	X	X		X
	Total Hex. Chromium (Cr 6+)	0.00099	mg/L	X	X		X
	Total Phosphorus (P)	0.001	mg/L	X	X		X
	Total Sulphide	0.0018	mg/L	X	X		X
	Total Suspended Solids	1	mg/L	X	X		X
	Total Un-ionized Hydrogen Sulfide as S	0.0018	mg/L	X	X		X
	Total Un-ionized Hydrogen Sulfide as H2S	0.0019	mg/L	X	X		X
Woodfibre Additional 2025	Total Organic Carbon (C)	0.5	mg/L				X
	EPH (C10-C19)	0.2	mg/L		X		X
	EPH (C19-C32)	0.2	mg/L		X		X
	LEPH (C10-C19 less PAH)	0.2	mg/L		X		X
	HEPH (C19-C32 less PAH)	0.2	mg/L		X		X
	Ethylene Glycol	3	mg/L		X		X



Parameter Summary

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



Parameter Summary

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



Parameter Summary

Package/Test	Parameter	RDL	Unit	Set 1	Set 2	Set 3	Set 4
Woodfibre Blank 2025	Carbonate (CO3)	1	mg/L			X	
	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	



Parameter Summary

Package/Test	Parameter	RDL	Unit	Set 1	Set 2	Set 3	Set 4
Woodfibre Blank 2025	Dissolved Zinc (Zn)	0.1	ug/L			X	
	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	



Parameter Summary

Package/Test	Parameter	RDL	Unit	Set 1	Set 2	Set 3	Set 4
Woodfibre Blank 2025	Dissolved Calcium (Ca)	0.01	mg/L			X	
	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	
Rainbow Trout LC50 Multi-concentration	LC50	N/A	% vol/vol		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 2025	WATER	C50083	\$ 209.50	\$ 209.50
1	Woodfibre Additional 2025	WATER	C50083	\$ 182.50	\$ 182.50
1	Woodfibre Additional 2025	WATER	C50083	\$ 193.00	\$ 193.00
2	Woodfibre Blank 2025	WATER	C50083	\$ 220.00	\$ 440.00
8	Filtration (Mercury)	WATER	C50083	\$ 15.00	\$ 120.00
8	Filtration (Metals)	WATER	C50083	\$ 15.00	\$ 120.00
1	Rainbow Trout LC50 Multi-concentration	WATER	C50083	\$ 375.00	\$ 375.00
Total (excluding applicable taxes):				\$ 2,740.00	

Prices listed above are estimates only and are subject to change

CERTIFICATE OF ANALYSIS

Work Order	: VA25C3181		
Amendment	: 1		
Client	: Frontier-Kemper Michels Joint Venture	Laboratory	: ALS Environmental - Vancouver
Contact	: Sara Derakhshi	Account Manager	: Kevin Bhikadia
Address	: 404-850 Harbourside Drive	Address	: 8081 Lougheed Highway
	North Vancouver British Columbia Canada V7P 0A3		Burnaby BC Canada V5A 1W9
Telephone	: ----	E-mail	: Kevin.Bhikadia@alsglobal.com
Project	: EGP 150	Telephone	: +1 604 253 4188
PO	: ----	Date Samples Received	: 08-Sep-2025 19:08
C-O-C number	: 23-1085364	Date Analysis Commenced	: 08-Sep-2025
Sampler	: ----	Issue Date	: 16-Sep-2025 16:40
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>
Anita Chuang		Inorganics, Burnaby, British Columbia
Dan Gebert		Metals, Burnaby, British Columbia
Erin Sanchez		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
Lindsay Gung		Inorganics, Burnaby, British Columbia
Manvi Arora		Administration, Burnaby, British Columbia
Miles Gropen		Inorganics, Burnaby, British Columbia
Owen Cheng		Metals, 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
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 (12/09/2025): This report has been amended and re-released to allow the reporting of additional analytical data.

Sample Comments

Sample	Client Id	Comment
VA25C3181-001	WTP	Water sample(s) for total mercury analysis was not submitted in glass or PTFE container with HCl preservative. Results may be biased low. Water sample(s) for dissolved mercury analysis was not submitted in glass or PTFE container with HCl preservative. Results may be biased low.



Qualifiers

Qualifier	Description
DLM	Detection Limit Adjusted due to sample matrix effects (e.g. chemical interference, colour, turbidity).
SFP	Sample was filtered and preserved at the laboratory.



Analytical Results

Sub-Matrix: Water

(Matrix: Water)

Client sample ID					WTP				
Client sampling date / time					08-Sep-2025 16:00				
Analyte	CAS Number	Method/Lab	LOR	Unit	VA25C3181-001				
Result									
Field Tests									
pH, field	----	EF001/VA	0.10	pH units	7.80	----	----	----	----
Temperature, field	----	EF001/VA	0.10	°C	23.0	----	----	----	----
Sample Preparation									
Dissolved carbon filtration location	----	EP358/VA	-	-	lab	----	----	----	----
Physical Tests									
Alkalinity, bicarbonate (as CaCO ₃)	----	E290/VA	2.0	mg/L	28.4	----	----	----	----
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	28.4	----	----	----	----
Conductivity	----	E100/VA	2.0	µS/cm	606	----	----	----	----
Hardness (as CaCO ₃), dissolved	----	EC100/VA	0.60	mg/L	7.42	----	----	----	----
Hardness (as CaCO ₃), from total Ca/Mg	----	EC100A/VA	0.60	mg/L	7.44	----	----	----	----
pH	----	E108/VA	0.10	pH units	7.53	----	----	----	----
Solids, total dissolved [TDS]	----	E162/VA	10	mg/L	333	----	----	----	----
Solids, total suspended [TSS]	----	E160/VA	3.0	mg/L	<3.0	----	----	----	----
Turbidity	----	E121/VA	0.10	NTU	0.20	----	----	----	----
Anions and Nutrients									
Ammonia, total (as N)	7664-41-7	E298/VA	0.0050	mg/L	0.0412	----	----	----	----
Ammonium (as NH ₄), field	14798-03-9	EC298A/VA	0.0010	mg/L	0.0515	----	----	----	----
Bromide	24959-67-9	E235.Br-L/VA	0.050	mg/L	0.481	----	----	----	----



Analytical Results

Sub-Matrix: Water

(Matrix: Water)

					Client sample ID	WTP				
					Client sampling date / time	08-Sep-2025 16:00				
Analyte	CAS Number	Method/Lab	LOR	Unit	VA25C3181-001					
					Result					
Anions and Nutrients										
Chloride	16887-00-6	E235.Cl/VA	0.50	mg/L	153					
Fluoride	16984-48-8	E235.F/VA	0.020	mg/L	0.225					
Nitrate (as N)	14797-55-8	E235.NO3-L/VA	0.0050	mg/L	0.0886					
Nitrite (as N)	14797-65-0	E235.NO2-L/VA	0.0010	mg/L	0.0083					
Nitrogen, total	7727-37-9	E366/VA	0.030	mg/L	0.217					
Phosphorus, total	7723-14-0	E372-U/VA	0.0020	mg/L	0.0453					
Sulfate (as SO4)	14808-79-8	E235.SO4/VA	0.30	mg/L	17.8					
Organic / Inorganic Carbon										
Carbon, dissolved organic [DOC]	----	E358-L/VA	0.50	mg/L	1.44 ^{SFP}					
Carbon, total organic [TOC]	----	E355-L/VA	0.50	mg/L	1.06					
Total Metals										
Aluminum, total	7429-90-5	E420/VA	0.0030	mg/L	0.0078					
Antimony, total	7440-36-0	E420/VA	0.00010	mg/L	0.00034					
Arsenic, total	7440-38-2	E420/VA	0.00010	mg/L	0.00030					
Barium, total	7440-39-3	E420/VA	0.00010	mg/L	0.00222					
Beryllium, total	7440-41-7	E420/VA	0.000100	mg/L	<0.000100					
Bismuth, total	7440-69-9	E420/VA	0.000050	mg/L	<0.000050					
Boron, total	7440-42-8	E420/VA	0.010	mg/L	0.124					
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	1.85					
Cesium, total	7440-46-2	E420/VA	0.000010	mg/L	0.000059					



Analytical Results

Sub-Matrix: Water

(Matrix: Water)

					Client sample ID	WTP	----	----	----	----
					Client sampling date / time	08-Sep-2025 16:00	----	----	----	----
Analyte	CAS Number	Method/Lab	LOR	Unit	VA25C3181-001	Result	----	----	----	----
Total Metals										
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	0.00071	----	----	----	----	----
Iron, total	7439-89-6	E420/VA	0.010	mg/L	0.039	----	----	----	----	----
Lead, total	7439-92-1	E420/VA	0.000050	mg/L	<0.000050	----	----	----	----	----
Lithium, total	7439-93-2	E420/VA	0.0010	mg/L	0.0022	----	----	----	----	----
Magnesium, total	7439-95-4	E420/VA	0.0050	mg/L	0.686	----	----	----	----	----
Manganese, total	7439-96-5	E420/VA	0.00010	mg/L	0.00049	----	----	----	----	----
Mercury, total	7439-97-6	E508/VA	0.0000050	mg/L	<0.0000050	----	----	----	----	----
Molybdenum, total	7439-98-7	E420/VA	0.000050	mg/L	0.0668	----	----	----	----	----
Nickel, total	7440-02-0	E420/VA	0.00050	mg/L	<0.00050	----	----	----	----	----
Phosphorus, total	7723-14-0	E420/VA	0.050	mg/L	0.056	----	----	----	----	----
Potassium, total	7440-09-7	E420/VA	0.050	mg/L	7.65	----	----	----	----	----
Rubidium, total	7440-17-7	E420/VA	0.00020	mg/L	0.00234	----	----	----	----	----
Selenium, total	7782-49-2	E420/VA	0.000050	mg/L	<0.000050	----	----	----	----	----
Silicon, total	7440-21-3	E420/VA	0.10	mg/L	8.71	----	----	----	----	----
Silver, total	7440-22-4	E420/VA	0.000010	mg/L	<0.000010	----	----	----	----	----
Sodium, total	7440-23-5	E420/VA	0.050	mg/L	111	----	----	----	----	----
Strontium, total	7440-24-6	E420/VA	0.00020	mg/L	0.0222	----	----	----	----	----
Sulfur, total	7704-34-9	E420/VA	0.50	mg/L	5.91	----	----	----	----	----
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	08-Sep-2025 16:00	----	----	----	----
Analyte	CAS Number	Method/Lab	LOR	Unit	VA25C3181-001	----	----	----	----	----
					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	0.00033	----	----	----	----	----
Uranium, total	7440-61-1	E420/VA	0.000010	mg/L	<0.000010	----	----	----	----	----
Vanadium, total	7440-62-2	E420/VA	0.00050	mg/L	0.00472	----	----	----	----	----
Zinc, total	7440-66-6	E420/VA	0.0030	mg/L	0.0036	----	----	----	----	----
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	0.0057	----	----	----	----	----
Antimony, dissolved	7440-36-0	E421/VA	0.00010	mg/L	0.00034	----	----	----	----	----
Arsenic, dissolved	7440-38-2	E421/VA	0.00010	mg/L	0.00027	----	----	----	----	----
Barium, dissolved	7440-39-3	E421/VA	0.00010	mg/L	0.00234	----	----	----	----	----
Beryllium, dissolved	7440-41-7	E421/VA	0.000100	mg/L	<0.000100	----	----	----	----	----
Bismuth, dissolved	7440-69-9	E421/VA	0.000050	mg/L	<0.000050	----	----	----	----	----
Boron, dissolved	7440-42-8	E421/VA	0.010	mg/L	0.119	----	----	----	----	----
Cadmium, dissolved	7440-43-9	E421/VA	0.0000050	mg/L	<0.0000150 ^{DLM}	----	----	----	----	----
Calcium, dissolved	7440-70-2	E421/VA	0.050	mg/L	1.85	----	----	----	----	----
Cesium, dissolved	7440-46-2	E421/VA	0.000010	mg/L	0.000061	----	----	----	----	----
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	08-Sep-2025 16:00	----	----	----	----
Analyte	CAS Number	Method/Lab	LOR	Unit	VA25C3181-001	----	----	----	----	----
					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	0.00072	----	----	----	----	----
Iron, dissolved	7439-89-6	E421/VA	0.010	mg/L	0.029	----	----	----	----	----
Lead, dissolved	7439-92-1	E421/VA	0.000050	mg/L	<0.000050	----	----	----	----	----
Lithium, dissolved	7439-93-2	E421/VA	0.0010	mg/L	0.0018	----	----	----	----	----
Magnesium, dissolved	7439-95-4	E421/VA	0.0050	mg/L	0.679	----	----	----	----	----
Manganese, dissolved	7439-96-5	E421/VA	0.00010	mg/L	0.00042	----	----	----	----	----
Mercury, dissolved	7439-97-6	E509/VA	0.0000050	mg/L	<0.0000050	----	----	----	----	----
Molybdenum, dissolved	7439-98-7	E421/VA	0.000050	mg/L	0.0683	----	----	----	----	----
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	7.90	----	----	----	----	----
Rubidium, dissolved	7440-17-7	E421/VA	0.00020	mg/L	0.00243	----	----	----	----	----
Selenium, dissolved	7782-49-2	E421/VA	0.000050	mg/L	<0.000050	----	----	----	----	----
Silicon, dissolved	7440-21-3	E421/VA	0.050	mg/L	8.35	----	----	----	----	----
Silver, dissolved	7440-22-4	E421/VA	0.000010	mg/L	<0.000010	----	----	----	----	----
Sodium, dissolved	7440-23-5	E421/VA	0.050	mg/L	113	----	----	----	----	----
Strontium, dissolved	7440-24-6	E421/VA	0.00020	mg/L	0.0228	----	----	----	----	----
Sulfur, dissolved	7704-34-9	E421/VA	0.50	mg/L	5.76	----	----	----	----	----
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	----	----	----	----	----



Analytical Results

Sub-Matrix: Water

(Matrix: Water)

					Client sample ID	WTP	----	----	----	----
					Client sampling date / time	08-Sep-2025 16:00	----	----	----	----
Analyte	CAS Number	Method/Lab	LOR	Unit	VA25C3181-001	----	----	----	----	----
					Result	----	----	----	----	----
Dissolved Metals										
Thorium, dissolved	7440-29-1	E421/VA	0.00010	mg/L	<0.00010	----	----	----	----	----
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	0.00032	----	----	----	----	----
Uranium, dissolved	7440-61-1	E421/VA	0.000010	mg/L	<0.000010	----	----	----	----	----
Vanadium, dissolved	7440-62-2	E421/VA	0.00050	mg/L	0.00478	----	----	----	----	----
Zinc, dissolved	7440-66-6	E421/VA	0.0010	mg/L	0.0066	----	----	----	----	----
Zirconium, dissolved	7440-67-7	E421/VA	0.00020	mg/L	<0.00020	----	----	----	----	----
Dissolved mercury filtration location	----	EP509/VA	-	-	Field	----	----	----	----	----
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	----	----	----	----	----



Analytical Results

Sub-Matrix: Water

(Matrix: Water)

					Client sample ID	WTP	----	----	----	----
					Client sampling date / time	08-Sep-2025 16:00	----	----	----	----
Analyte	CAS Number	Method/Lab	LOR	Unit	VA25C3181-001	----	----	----	----	----
					Result	----	----	----	----	----
Volatile Organic Compounds										
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	----	----	----	----	----
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	----	----	----	----	----



Analytical Results

Sub-Matrix: Water

(Matrix: Water)

					Client sample ID	WTP	----	----	----	----
					Client sampling date / time	08-Sep-2025 16:00	----	----	----	----
Analyte	CAS Number	Method/Lab	LOR	Unit	VA25C3181-001	----	----	----	----	----
					Result	----	----	----	----	----
Volatile Organic Compounds [Fuels]										
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	----	----	----	----	----
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	%	92.2	----	----	----	----	----
Dichlorotoluene, 3,4-	95-75-0	E581.VH+F1/VA	1.0	%	85.1	----	----	----	----	----



Analytical Results

Sub-Matrix: Water

(Matrix: Water)

					Client sample ID	WTP				
					Client sampling date / time	08-Sep-2025 16:00				
Analyte	CAS Number	Method/Lab	LOR	Unit	VA25C3181-001					
					Result					
Volatile Organic Compounds Surrogates										
Bromofluorobenzene, 4-	460-00-4	E611C/VA	1.0	%	75.7					
Difluorobenzene, 1,4-	540-36-3	E611C/VA	1.0	%	95.4					
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					



Analytical Results

Sub-Matrix: Water (Matrix: Water)					Client sample ID	WTP				
					Client sampling date / time	08-Sep-2025 16:00				
Analyte	CAS Number	Method/Lab	LOR	Unit	VA25C3181-001					
					Result					
Polycyclic Aromatic Hydrocarbons										
Phenanthrene	85-01-8	E641A/VA	0.020	µg/L	<0.020					
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	%	99.4					
Naphthalene-d8	1146-65-2	E641A/VA	0.1	%	108					
Phenanthrene-d10	1517-22-2	E641A/VA	0.1	%	104					
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	%	94.1					

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

QUALITY CONTROL REPORT

Work Order	: VA25C3181	Page	: 1 of 23
Amendment	: 1		
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	: 08-Sep-2025 19:08
PO	: ----	Date Analysis Commenced	: 08-Sep-2025
C-O-C number	: 23-1085364	Issue Date	: 16-Sep-2025 16:37
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
- 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.

Signatories	Position	Laboratory Department
Anita Chuang	Lab Assistant	Vancouver Inorganics, Burnaby, British Columbia
Dan Gebert	Supervisor - Metals Mercury & Speciation	Vancouver Metals, Burnaby, British Columbia
Erin Sanchez		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
Lindsay Gung	Department Manager - Inorganics	Vancouver Inorganics, Burnaby, British Columbia
Manvi Arora	Account Manager Assistant	Vancouver Administration, Burnaby, British Columbia
Miles Gropen	Department Manager - Inorganics	Vancouver Inorganics, Burnaby, British Columbia
Owen Cheng		Vancouver Metals, 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: 2206565)											
VA25C2934-001	Anonymous	Turbidity	----	E121	0.10	NTU	0.34	0.35	0.003	Diff <2x LOR	----
Physical Tests (QC Lot: 2206644)											
VA25C3151-001	Anonymous	pH	----	E108	0.10	pH units	8.09	8.05	0.496%	4%	----
Physical Tests (QC Lot: 2206645)											
VA25C3151-001	Anonymous	Alkalinity, bicarbonate (as CaCO3)	----	E290	1.0	mg/L	72.7	72.1	0.829%	200%	----
		Alkalinity, carbonate (as CaCO3)	----	E290	1.0	mg/L	<1.0	<1.0	0.00%	200%	----
		Alkalinity, hydroxide (as CaCO3)	----	E290	1.0	mg/L	<1.0	<1.0	0.00%	200%	----
		Alkalinity, phenolphthalein (as CaCO3)	----	E290	1.0	mg/L	<1.0	<1.0	0	Diff <2x LOR	----
		Alkalinity, total (as CaCO3)	----	E290	1.0	mg/L	72.7	72.1	0.829%	20%	----
Physical Tests (QC Lot: 2206646)											
VA25C3151-001	Anonymous	Conductivity	----	E100	2.0	µS/cm	192	191	0.575%	10%	----
Physical Tests (QC Lot: 2216686)											
FJ2502758-001	Anonymous	Solids, total dissolved [TDS]	----	E162	20	mg/L	733	755	2.96%	20%	----
Physical Tests (QC Lot: 2216690)											
FJ2502758-001	Anonymous	Solids, total suspended [TSS]	----	E160	3.0	mg/L	<3.0	<3.0	0	Diff <2x LOR	----
Anions and Nutrients (QC Lot: 2210984)											
VA25C3181-001	WTP	Nitrogen, total	7727-37-9	E366	0.030	mg/L	0.217	0.226	0.009	Diff <2x LOR	----
Anions and Nutrients (QC Lot: 2210985)											
VA25C3181-001	WTP	Phosphorus, total	7723-14-0	E372-U	0.0020	mg/L	0.0453	0.0456	0.639%	20%	----
Anions and Nutrients (QC Lot: 2210986)											
VA25C3181-001	WTP	Ammonia, total (as N)	7664-41-7	E298	0.0050	mg/L	0.0412	0.0404	0.0008	Diff <2x LOR	----
Anions and Nutrients (QC Lot: 2211239)											
VA25C3181-001	WTP	Sulfate (as SO4)	14808-79-8	E235.SO4	0.30	mg/L	17.8	18.0	0.915%	20%	----
Anions and Nutrients (QC Lot: 2211240)											
VA25C3181-001	WTP	Chloride	16887-00-6	E235.Cl	0.50	mg/L	153	154	0.515%	20%	----
Anions and Nutrients (QC Lot: 2211241)											
VA25C3181-001	WTP	Nitrate (as N)	14797-55-8	E235.NO3-L	0.0050	mg/L	0.0886	0.0884	0.230%	20%	----
Anions and Nutrients (QC Lot: 2211242)											
VA25C3181-001	WTP	Nitrite (as N)	14797-65-0	E235.NO2-L	0.0010	mg/L	0.0083	0.0084	0.00002	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
Anions and Nutrients (QC Lot: 2211243)											
VA25C3181-001	WTP	Fluoride	16984-48-8	E235.F	0.020	mg/L	0.225	0.228	1.35%	20%	----
Anions and Nutrients (QC Lot: 2211244)											
VA25C3181-001	WTP	Bromide	24959-67-9	E235.Br-L	0.050	mg/L	0.481	0.487	0.006	Diff <2x LOR	----
Organic / Inorganic Carbon (QC Lot: 2206639)											
VA25C3181-001	WTP	Carbon, dissolved organic [DOC]	----	E358-L	0.50	mg/L	1.44	1.60	0.16	Diff <2x LOR	----
Organic / Inorganic Carbon (QC Lot: 2210983)											
VA25C3181-001	WTP	Carbon, total organic [TOC]	----	E355-L	0.50	mg/L	1.06	1.38	0.31	Diff <2x LOR	----
Total Metals (QC Lot: 2206670)											
VA25C3181-001	WTP	Aluminum, total	7429-90-5	E420	0.0030	mg/L	0.0078	0.0085	0.0007	Diff <2x LOR	----
		Antimony, total	7440-36-0	E420	0.00010	mg/L	0.00034	0.00034	0.000006	Diff <2x LOR	----
		Arsenic, total	7440-38-2	E420	0.00010	mg/L	0.00030	0.00033	0.00004	Diff <2x LOR	----
		Barium, total	7440-39-3	E420	0.00010	mg/L	0.00222	0.00233	4.59%	20%	----
		Beryllium, total	7440-41-7	E420	0.000100	mg/L	<0.000100	<0.000100	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	0.124	0.122	1.35%	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	1.85	1.83	0.906%	20%	----
		Cesium, total	7440-46-2	E420	0.000010	mg/L	0.000059	0.000059	0.0000002	Diff <2x LOR	----
		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	0.00071	0.00071	0.000005	Diff <2x LOR	----
		Iron, total	7439-89-6	E420	0.010	mg/L	0.039	0.039	0.00009	Diff <2x LOR	----
		Lead, total	7439-92-1	E420	0.000050	mg/L	<0.000050	<0.000050	0	Diff <2x LOR	----
		Lithium, total	7439-93-2	E420	0.0010	mg/L	0.0022	0.0020	0.0001	Diff <2x LOR	----
		Magnesium, total	7439-95-4	E420	0.0050	mg/L	0.686	0.702	2.30%	20%	----
		Manganese, total	7439-96-5	E420	0.00010	mg/L	0.00049	0.00050	0.00002	Diff <2x LOR	----
		Molybdenum, total	7439-98-7	E420	0.000050	mg/L	0.0668	0.0656	1.86%	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	0.056	0.063	0.008	Diff <2x LOR	----
		Potassium, total	7440-09-7	E420	0.050	mg/L	7.65	7.52	1.67%	20%	----
		Rubidium, total	7440-17-7	E420	0.00020	mg/L	0.00234	0.00244	4.22%	20%	----
		Selenium, total	7782-49-2	E420	0.000050	mg/L	<0.000050	<0.000050	0	Diff <2x LOR	----
		Silicon, total	7440-21-3	E420	0.10	mg/L	8.71	8.70	0.210%	20%	----
		Silver, total	7440-22-4	E420	0.000010	mg/L	<0.000010	<0.000010	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: 2206670) - continued											
VA25C3181-001	WTP	Sodium, total	7440-23-5	E420	0.050	mg/L	111	112	1.23%	20%	----
		Strontium, total	7440-24-6	E420	0.00020	mg/L	0.0222	0.0220	0.594%	20%	----
		Sulfur, total	7704-34-9	E420	0.50	mg/L	5.91	6.38	7.58%	20%	----
		Tellurium, total	13494-80-9	E420	0.00020	mg/L	<0.00020	<0.00020	0	Diff <2x LOR	----
		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	0.00033	0.00032	0.00002	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	0.00472	0.00475	0.00002	Diff <2x LOR	----
		Zinc, total	7440-66-6	E420	0.0030	mg/L	0.0036	0.0038	0.0002	Diff <2x LOR	----
		Zirconium, total	7440-67-7	E420	0.00020	mg/L	<0.00020	<0.00020	0	Diff <2x LOR	----
Total Metals (QC Lot: 2206732)											
VA25C2651-004	Anonymous	Mercury, total	7439-97-6	E508	0.0000050	mg/L	<0.0000050	<0.0000050	0	Diff <2x LOR	----
Dissolved Metals (QC Lot: 2206643)											
VA25C3181-001	WTP	Aluminum, dissolved	7429-90-5	E421	0.0010	mg/L	0.0057	0.0061	0.0004	Diff <2x LOR	----
		Antimony, dissolved	7440-36-0	E421	0.00010	mg/L	0.00034	0.00034	0.000001	Diff <2x LOR	----
		Arsenic, dissolved	7440-38-2	E421	0.00010	mg/L	0.00027	0.00029	0.00002	Diff <2x LOR	----
		Barium, dissolved	7440-39-3	E421	0.00010	mg/L	0.00234	0.00232	0.667%	20%	----
		Beryllium, dissolved	7440-41-7	E421	0.000100	mg/L	<0.000100	<0.000100	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	0.119	0.120	1.16%	20%	----
		Cadmium, dissolved	7440-43-9	E421	0.0000150	mg/L	<0.0000150	<0.0000150	0	Diff <2x LOR	----
		Calcium, dissolved	7440-70-2	E421	0.050	mg/L	1.85	1.84	0.208%	20%	----
		Cesium, dissolved	7440-46-2	E421	0.000010	mg/L	0.000061	0.000061	0.0000007	Diff <2x LOR	----
		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	0.00072	0.00069	0.00003	Diff <2x LOR	----
		Iron, dissolved	7439-89-6	E421	0.010	mg/L	0.029	0.030	0.0005	Diff <2x LOR	----
		Lead, dissolved	7439-92-1	E421	0.000050	mg/L	<0.000050	<0.000050	0	Diff <2x LOR	----
		Lithium, dissolved	7439-93-2	E421	0.0010	mg/L	0.0018	0.0017	0.00006	Diff <2x LOR	----
		Magnesium, dissolved	7439-95-4	E421	0.0050	mg/L	0.679	0.675	0.682%	20%	----
		Manganese, dissolved	7439-96-5	E421	0.00010	mg/L	0.00042	0.00047	0.00005	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: 2206643) - continued											
VA25C3181-001	WTP	Molybdenum, dissolved	7439-98-7	E421	0.000050	mg/L	0.0683	0.0680	0.434%	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	0.055	0.005	Diff <2x LOR	----
		Potassium, dissolved	7440-09-7	E421	0.050	mg/L	7.90	7.63	3.45%	20%	----
		Rubidium, dissolved	7440-17-7	E421	0.00020	mg/L	0.00243	0.00243	0.101%	20%	----
		Selenium, dissolved	7782-49-2	E421	0.000050	mg/L	<0.000050	<0.000050	0	Diff <2x LOR	----
		Silicon, dissolved	7440-21-3	E421	0.050	mg/L	8.35	8.51	1.87%	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	113	113	0.368%	20%	----
		Strontium, dissolved	7440-24-6	E421	0.00020	mg/L	0.0228	0.0229	0.473%	20%	----
		Sulfur, dissolved	7704-34-9	E421	0.50	mg/L	5.76	6.18	7.13%	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	0.00032	0.00032	0.0000003	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	0.00478	0.00466	0.00012	Diff <2x LOR	----
		Zinc, dissolved	7440-66-6	E421	0.0010	mg/L	0.0066	0.0066	0.00007	Diff <2x LOR	----
		Zirconium, dissolved	7440-67-7	E421	0.00020	mg/L	<0.00020	<0.00020	0	Diff <2x LOR	----
Dissolved Metals (QC Lot: 2206763)											
VA25C3116-002	Anonymous	Mercury, dissolved	7439-97-6	E509	0.0000050	mg/L	<0.0000050	<0.0000050	0	Diff <2x LOR	----
Aggregate Organics (QC Lot: 2212948)											
KS2503647-003	Anonymous	Phenols, total (4AAP)	----	E562	0.0010	mg/L	<0.0010	<0.0010	0	Diff <2x LOR	----
Volatile Organic Compounds (QC Lot: 2210579)											
VA25C3181-001	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	----



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: 2210579) - continued											
VA25C3181-001	WTP	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	----
		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: 2210578)											
VA25C3181-001	WTP	VHw (C6-C10)	----	E581.VH+F1	100	µg/L	<100	<100	0.0%	30%	----
Glycols (QC Lot: 2210603)											
VA25C3181-001	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: 2206565)						
Turbidity	---	E121	0.1	NTU	<0.10	----
Physical Tests (QCLot: 2206645)						
Alkalinity, bicarbonate (as CaCO3)	---	E290	1	mg/L	<1.0	----
Alkalinity, carbonate (as CaCO3)	---	E290	1	mg/L	<1.0	----
Alkalinity, hydroxide (as CaCO3)	---	E290	1	mg/L	<1.0	----
Alkalinity, phenolphthalein (as CaCO3)	---	E290	1	mg/L	<1.0	----
Alkalinity, total (as CaCO3)	---	E290	1	mg/L	<1.0	----
Physical Tests (QCLot: 2206646)						
Conductivity	---	E100	1	µS/cm	<1.0	----
Physical Tests (QCLot: 2216686)						
Solids, total dissolved [TDS]	---	E162	10	mg/L	<10	----
Physical Tests (QCLot: 2216690)						
Solids, total suspended [TSS]	---	E160	3	mg/L	<3.0	----
Anions and Nutrients (QCLot: 2210984)						
Nitrogen, total	7727-37-9	E366	0.03	mg/L	<0.030	----
Anions and Nutrients (QCLot: 2210985)						
Phosphorus, total	7723-14-0	E372-U	0.002	mg/L	<0.0020	----
Anions and Nutrients (QCLot: 2210986)						
Ammonia, total (as N)	7664-41-7	E298	0.005	mg/L	<0.0050	----
Anions and Nutrients (QCLot: 2211239)						
Sulfate (as SO4)	14808-79-8	E235.SO4	0.3	mg/L	<0.30	----
Anions and Nutrients (QCLot: 2211240)						
Chloride	16887-00-6	E235.Cl	0.5	mg/L	<0.50	----
Anions and Nutrients (QCLot: 2211241)						
Nitrate (as N)	14797-55-8	E235.NO3-L	0.005	mg/L	<0.0050	----
Anions and Nutrients (QCLot: 2211242)						
Nitrite (as N)	14797-65-0	E235.NO2-L	0.001	mg/L	<0.0010	----
Anions and Nutrients (QCLot: 2211243)						
Fluoride	16984-48-8	E235.F	0.02	mg/L	<0.020	----
Anions and Nutrients (QCLot: 2211244)						
Bromide	24959-67-9	E235.Br-L	0.05	mg/L	<0.050	----



Sub-Matrix: **Water**

Analyte	CAS Number	Method	LOR	Unit	Result	Qualifier
Organic / Inorganic Carbon (QCLot: 2206639)						
Carbon, dissolved organic [DOC]	----	E358-L	0.5	mg/L	<0.50	----
Organic / Inorganic Carbon (QCLot: 2210983)						
Carbon, total organic [TOC]	----	E355-L	0.5	mg/L	<0.50	----
Total Metals (QCLot: 2206670)						
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: 2206670) - 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	----
Total Metals (QCLot: 2206732)						
Mercury, total	7439-97-6	E508	0.000005	mg/L	<0.0000050	----
Dissolved Metals (QCLot: 2206643)						
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	----



Sub-Matrix: **Water**

Analyte	CAS Number	Method	LOR	Unit	Result	Qualifier
Dissolved Metals (QCLot: 2206643) - continued						
Silicon, dissolved	7440-21-3	E421	0.05	mg/L	<0.050	----
Silver, dissolved	7440-22-4	E421	0.00001	mg/L	<0.000010	----
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	----
Dissolved Metals (QCLot: 2206763)						
Mercury, dissolved	7439-97-6	E509	0.000005	mg/L	<0.0000050	----
Aggregate Organics (QCLot: 2212948)						
Phenols, total (4AAP)	----	E562	0.001	mg/L	<0.0010	----
Volatile Organic Compounds (QCLot: 2210579)						
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	----



Sub-Matrix: **Water**

Analyte	CAS Number	Method	LOR	Unit	Result	Qualifier
Volatile Organic Compounds (QCLot: 2210579) - continued						
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	----
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: 2210377)						
EPH (C10-C19)	----	E601A	250	µg/L	<250	----
EPH (C19-C32)	----	E601A	250	µg/L	<250	----
Hydrocarbons (QCLot: 2210578)						
VHw (C6-C10)	----	E581.VH+F1	100	µg/L	<100	----
Polycyclic Aromatic Hydrocarbons (QCLot: 2210378)						
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	----



Sub-Matrix: Water

Analyte	CAS Number	Method	LOR	Unit	Result	Qualifier
Polycyclic Aromatic Hydrocarbons (QCLot: 2210378) - continued						
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	----
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: 2210603)						
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: 2206565)									
Turbidity	----	E121	0.1	NTU	200 NTU	99.0	85.0	115	----
Physical Tests (QCLot: 2206644)									
pH	----	E108	----	pH units	7 pH units	99.7	98.0	102	----
Physical Tests (QCLot: 2206645)									
Alkalinity, phenolphthalein (as CaCO3)	----	E290	1	mg/L	229 mg/L	108	75.0	125	----
Alkalinity, total (as CaCO3)	----	E290	1	mg/L	500 mg/L	100	85.0	115	----
Physical Tests (QCLot: 2206646)									
Conductivity	----	E100	1	µS/cm	147 µS/cm	99.3	90.0	110	----
Physical Tests (QCLot: 2216686)									
Solids, total dissolved [TDS]	----	E162	10	mg/L	1000 mg/L	107	85.0	115	----
Physical Tests (QCLot: 2216690)									
Solids, total suspended [TSS]	----	E160	3	mg/L	150 mg/L	95.2	85.0	115	----
Anions and Nutrients (QCLot: 2210984)									
Nitrogen, total	7727-37-9	E366	0.03	mg/L	0.5 mg/L	97.2	75.0	125	----
Anions and Nutrients (QCLot: 2210985)									
Phosphorus, total	7723-14-0	E372-U	0.002	mg/L	0.05 mg/L	93.5	80.0	120	----
Anions and Nutrients (QCLot: 2210986)									
Ammonia, total (as N)	7664-41-7	E298	0.005	mg/L	0.2 mg/L	98.7	85.0	115	----
Anions and Nutrients (QCLot: 2211239)									
Sulfate (as SO4)	14808-79-8	E235.SO4	0.3	mg/L	100 mg/L	101	90.0	110	----
Anions and Nutrients (QCLot: 2211240)									
Chloride	16887-00-6	E235.Cl	0.5	mg/L	100 mg/L	100	90.0	110	----
Anions and Nutrients (QCLot: 2211241)									
Nitrate (as N)	14797-55-8	E235.NO3-L	0.005	mg/L	2.5 mg/L	101	90.0	110	----
Anions and Nutrients (QCLot: 2211242)									
Nitrite (as N)	14797-65-0	E235.NO2-L	0.001	mg/L	0.5 mg/L	98.7	90.0	110	----
Anions and Nutrients (QCLot: 2211243)									
Fluoride	16984-48-8	E235.F	0.02	mg/L	1 mg/L	96.7	90.0	110	----
Anions and Nutrients (QCLot: 2211244)									
Bromide	24959-67-9	E235.Br-L	0.05	mg/L	0.5 mg/L	103	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: 2206639)									
Carbon, dissolved organic [DOC]	---	E358-L	0.5	mg/L	8.57 mg/L	100	80.0	120	----
Organic / Inorganic Carbon (QCLot: 2210983)									
Carbon, total organic [TOC]	---	E355-L	0.5	mg/L	8.57 mg/L	99.4	80.0	120	----
Total Metals (QCLot: 2206670)									
Aluminum, total	7429-90-5	E420	0.003	mg/L	2 mg/L	102	80.0	120	----
Antimony, total	7440-36-0	E420	0.0001	mg/L	1 mg/L	103	80.0	120	----
Arsenic, total	7440-38-2	E420	0.0001	mg/L	1 mg/L	109	80.0	120	----
Barium, total	7440-39-3	E420	0.0001	mg/L	0.25 mg/L	106	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	99.6	80.0	120	----
Boron, total	7440-42-8	E420	0.01	mg/L	1 mg/L	96.7	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	101	80.0	120	----
Cesium, total	7440-46-2	E420	0.00001	mg/L	0.05 mg/L	101	80.0	120	----
Chromium, total	7440-47-3	E420	0.0005	mg/L	0.25 mg/L	103	80.0	120	----
Cobalt, total	7440-48-4	E420	0.0001	mg/L	0.25 mg/L	102	80.0	120	----
Copper, total	7440-50-8	E420	0.0005	mg/L	0.25 mg/L	99.9	80.0	120	----
Iron, total	7439-89-6	E420	0.01	mg/L	1 mg/L	97.5	80.0	120	----
Lead, total	7439-92-1	E420	0.00005	mg/L	0.5 mg/L	98.4	80.0	120	----
Lithium, total	7439-93-2	E420	0.001	mg/L	0.25 mg/L	99.0	80.0	120	----
Magnesium, total	7439-95-4	E420	0.005	mg/L	50 mg/L	107	80.0	120	----
Manganese, total	7439-96-5	E420	0.0001	mg/L	0.25 mg/L	107	80.0	120	----
Molybdenum, total	7439-98-7	E420	0.00005	mg/L	0.25 mg/L	99.3	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	104	80.0	120	----
Potassium, total	7440-09-7	E420	0.05	mg/L	50 mg/L	104	80.0	120	----
Rubidium, total	7440-17-7	E420	0.0002	mg/L	0.1 mg/L	104	80.0	120	----
Selenium, total	7782-49-2	E420	0.00005	mg/L	1 mg/L	102	80.0	120	----
Silicon, total	7440-21-3	E420	0.1	mg/L	10 mg/L	107	80.0	120	----
Silver, total	7440-22-4	E420	0.00001	mg/L	0.1 mg/L	88.9	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	99.3	80.0	120	----
Sulfur, total	7704-34-9	E420	0.5	mg/L	50 mg/L	94.2	80.0	120	----
Tellurium, total	13494-80-9	E420	0.0002	mg/L	0.1 mg/L	103	80.0	120	----
Thallium, total	7440-28-0	E420	0.00001	mg/L	1 mg/L	100	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
Total Metals (QCLot: 2206670) - continued									
Thorium, total	7440-29-1	E420	0.0001	mg/L	0.1 mg/L	95.7	80.0	120	----
Tin, total	7440-31-5	E420	0.0001	mg/L	0.5 mg/L	99.6	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	97.8	80.0	120	----
Uranium, total	7440-61-1	E420	0.00001	mg/L	0.005 mg/L	95.7	80.0	120	----
Vanadium, total	7440-62-2	E420	0.0005	mg/L	0.5 mg/L	106	80.0	120	----
Zinc, total	7440-66-6	E420	0.003	mg/L	0.5 mg/L	100	80.0	120	----
Zirconium, total	7440-67-7	E420	0.0002	mg/L	0.1 mg/L	100	80.0	120	----
Total Metals (QCLot: 2206732)									
Mercury, total	7439-97-6	E508	0.000005	mg/L	0 mg/L	97.4	80.0	120	----
Dissolved Metals (QCLot: 2206643)									
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	100	80.0	120	----
Arsenic, dissolved	7440-38-2	E421	0.0001	mg/L	1 mg/L	109	80.0	120	----
Barium, dissolved	7440-39-3	E421	0.0001	mg/L	0.25 mg/L	100	80.0	120	----
Beryllium, dissolved	7440-41-7	E421	0.00002	mg/L	0.1 mg/L	102	80.0	120	----
Bismuth, dissolved	7440-69-9	E421	0.00005	mg/L	1 mg/L	97.7	80.0	120	----
Boron, dissolved	7440-42-8	E421	0.01	mg/L	1 mg/L	97.7	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	99.9	80.0	120	----
Cesium, dissolved	7440-46-2	E421	0.00001	mg/L	0.05 mg/L	100	80.0	120	----
Chromium, dissolved	7440-47-3	E421	0.0005	mg/L	0.25 mg/L	107	80.0	120	----
Cobalt, dissolved	7440-48-4	E421	0.0001	mg/L	0.25 mg/L	104	80.0	120	----
Copper, dissolved	7440-50-8	E421	0.0002	mg/L	0.25 mg/L	101	80.0	120	----
Iron, dissolved	7439-89-6	E421	0.01	mg/L	1 mg/L	96.4	80.0	120	----
Lead, dissolved	7439-92-1	E421	0.00005	mg/L	0.5 mg/L	100	80.0	120	----
Lithium, dissolved	7439-93-2	E421	0.001	mg/L	0.25 mg/L	99.4	80.0	120	----
Magnesium, dissolved	7439-95-4	E421	0.005	mg/L	50 mg/L	108	80.0	120	----
Manganese, dissolved	7439-96-5	E421	0.0001	mg/L	0.25 mg/L	106	80.0	120	----
Molybdenum, dissolved	7439-98-7	E421	0.00005	mg/L	0.25 mg/L	100	80.0	120	----
Nickel, dissolved	7440-02-0	E421	0.0005	mg/L	0.5 mg/L	103	80.0	120	----
Phosphorus, dissolved	7723-14-0	E421	0.05	mg/L	10 mg/L	104	80.0	120	----
Potassium, dissolved	7440-09-7	E421	0.05	mg/L	50 mg/L	105	80.0	120	----
Rubidium, dissolved	7440-17-7	E421	0.0002	mg/L	0.1 mg/L	105	80.0	120	----
Selenium, dissolved	7782-49-2	E421	0.00005	mg/L	1 mg/L	100	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: 2206643) - continued									
Silicon, dissolved	7440-21-3	E421	0.05	mg/L	10 mg/L	101	80.0	120	----
Silver, dissolved	7440-22-4	E421	0.00001	mg/L	0.1 mg/L	88.8	80.0	120	----
Sodium, dissolved	7440-23-5	E421	0.05	mg/L	50 mg/L	110	80.0	120	----
Strontium, dissolved	7440-24-6	E421	0.0002	mg/L	0.25 mg/L	98.7	80.0	120	----
Sulfur, dissolved	7704-34-9	E421	0.5	mg/L	50 mg/L	99.1	80.0	120	----
Tellurium, dissolved	13494-80-9	E421	0.0002	mg/L	0.1 mg/L	102	80.0	120	----
Thallium, dissolved	7440-28-0	E421	0.00001	mg/L	1 mg/L	100	80.0	120	----
Thorium, dissolved	7440-29-1	E421	0.0001	mg/L	0.1 mg/L	96.8	80.0	120	----
Tin, dissolved	7440-31-5	E421	0.0001	mg/L	0.5 mg/L	100.0	80.0	120	----
Titanium, dissolved	7440-32-6	E421	0.0003	mg/L	0.25 mg/L	104	80.0	120	----
Tungsten, dissolved	7440-33-7	E421	0.0001	mg/L	0.1 mg/L	100	80.0	120	----
Uranium, dissolved	7440-61-1	E421	0.00001	mg/L	0.005 mg/L	100	80.0	120	----
Vanadium, dissolved	7440-62-2	E421	0.0005	mg/L	0.5 mg/L	107	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	99.3	80.0	120	----
Mercury, dissolved	7439-97-6	E509	0.000005	mg/L	0 mg/L	98.3	80.0	120	----
Aggregate Organics (QCLot: 2212948)									
Phenols, total (4AAP)	----	E562	0.001	mg/L	0.02 mg/L	101	85.0	115	----
Volatile Organic Compounds (QCLot: 2210579)									
Benzene	71-43-2	E611C	0.5	µg/L	100 µg/L	102	70.0	130	----
Bromodichloromethane	75-27-4	E611C	0.5	µg/L	100 µg/L	96.0	70.0	130	----
Bromoform	75-25-2	E611C	0.5	µg/L	100 µg/L	113	70.0	130	----
Carbon tetrachloride	56-23-5	E611C	0.5	µg/L	100 µg/L	93.8	70.0	130	----
Chlorobenzene	108-90-7	E611C	0.5	µg/L	100 µg/L	102	70.0	130	----
Chloroethane	75-00-3	E611C	0.5	µg/L	100 µg/L	95.6	60.0	140	----
Chloroform	67-66-3	E611C	0.5	µg/L	100 µg/L	101	70.0	130	----
Chloromethane	74-87-3	E611C	5	µg/L	100 µg/L	85.9	60.0	140	----
Dibromochloromethane	124-48-1	E611C	0.5	µg/L	100 µg/L	97.1	70.0	130	----
Dichlorobenzene, 1,2-	95-50-1	E611C	0.5	µg/L	100 µg/L	98.8	70.0	130	----
Dichlorobenzene, 1,3-	541-73-1	E611C	0.5	µg/L	100 µg/L	103	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	105	70.0	130	----
Dichloroethane, 1,2-	107-06-2	E611C	0.5	µg/L	100 µg/L	109	70.0	130	----
Dichloroethylene, 1,1-	75-35-4	E611C	0.5	µg/L	100 µg/L	106	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: 2210579) - continued									
Dichloroethylene, cis-1,2-	156-59-2	E611C	0.5	µg/L	100 µg/L	103	70.0	130	----
Dichloroethylene, trans-1,2-	156-60-5	E611C	0.5	µg/L	100 µg/L	105	70.0	130	----
Dichloromethane	75-09-2	E611C	1	µg/L	100 µg/L	111	70.0	130	----
Dichloropropane, 1,2-	78-87-5	E611C	0.5	µg/L	100 µg/L	107	70.0	130	----
Dichloropropylene, cis-1,3-	10061-01-5	E611C	0.5	µg/L	100 µg/L	86.4	70.0	130	----
Dichloropropylene, trans-1,3-	10061-02-6	E611C	0.5	µg/L	100 µg/L	83.4	70.0	130	----
Ethylbenzene	100-41-4	E611C	0.5	µg/L	100 µg/L	87.4	70.0	130	----
Methyl-tert-butyl ether [MTBE]	1634-04-4	E611C	0.5	µg/L	100 µg/L	104	70.0	130	----
Styrene	100-42-5	E611C	0.5	µg/L	100 µg/L	92.9	70.0	130	----
Tetrachloroethane, 1,1,1,2-	630-20-6	E611C	0.5	µg/L	100 µg/L	97.4	70.0	130	----
Tetrachloroethane, 1,1,2,2-	79-34-5	E611C	0.2	µg/L	100 µg/L	119	70.0	130	----
Tetrachloroethylene	127-18-4	E611C	0.5	µg/L	100 µg/L	97.2	70.0	130	----
Toluene	108-88-3	E611C	0.4	µg/L	100 µg/L	96.0	70.0	130	----
Trichloroethane, 1,1,1-	71-55-6	E611C	0.5	µg/L	100 µg/L	96.6	70.0	130	----
Trichloroethane, 1,1,2-	79-00-5	E611C	0.5	µg/L	100 µg/L	106	70.0	130	----
Trichloroethylene	79-01-6	E611C	0.5	µg/L	100 µg/L	92.8	70.0	130	----
Trichlorofluoromethane	75-69-4	E611C	0.5	µg/L	100 µg/L	103	60.0	140	----
Vinyl chloride	75-01-4	E611C	0.4	µg/L	100 µg/L	72.5	60.0	140	----
Xylene, m+p-	179601-23-1	E611C	0.4	µg/L	200 µg/L	102	70.0	130	----
Xylene, o-	95-47-6	E611C	0.3	µg/L	100 µg/L	90.4	70.0	130	----
Hydrocarbons (QCLot: 2210377)									
EPH (C10-C19)	----	E601A	250	µg/L	6490 µg/L	110	70.0	130	----
EPH (C19-C32)	----	E601A	250	µg/L	3360 µg/L	109	70.0	130	----
Hydrocarbons (QCLot: 2210578)									
VHw (C6-C10)	----	E581.VH+F1	100	µg/L	6310 µg/L	75.7	70.0	130	----
Polycyclic Aromatic Hydrocarbons (QCLot: 2210378)									
Acenaphthene	83-32-9	E641A	0.01	µg/L	0.5 µg/L	102	60.0	130	----
Acenaphthylene	208-96-8	E641A	0.01	µg/L	0.5 µg/L	102	60.0	130	----
Acridine	260-94-6	E641A	0.01	µg/L	0.5 µg/L	101	60.0	130	----
Anthracene	120-12-7	E641A	0.01	µg/L	0.5 µg/L	100	60.0	130	----
Benz(a)anthracene	56-55-3	E641A	0.01	µg/L	0.5 µg/L	90.4	60.0	130	----
Benzo(a)pyrene	50-32-8	E641A	0.005	µg/L	0.5 µg/L	88.6	60.0	130	----
Benzo(b+j)fluoranthene	n/a	E641A	0.01	µg/L	0.5 µg/L	99.2	60.0	130	----
Benzo(g,h,i)perylene	191-24-2	E641A	0.01	µg/L	0.5 µg/L	101	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: 2210378) - continued									
Benzo(k)fluoranthene	207-08-9	E641A	0.01	µg/L	0.5 µg/L	112	60.0	130	----
Chrysene	218-01-9	E641A	0.01	µg/L	0.5 µg/L	112	60.0	130	----
Dibenz(a,h)anthracene	53-70-3	E641A	0.005	µg/L	0.5 µg/L	106	60.0	130	----
Fluoranthene	206-44-0	E641A	0.01	µg/L	0.5 µg/L	106	60.0	130	----
Fluorene	86-73-7	E641A	0.01	µg/L	0.5 µg/L	100	60.0	130	----
Indeno(1,2,3-c,d)pyrene	193-39-5	E641A	0.01	µg/L	0.5 µg/L	93.9	60.0	130	----
Methylnaphthalene, 1-	90-12-0	E641A	0.01	µg/L	0.5 µg/L	99.1	60.0	130	----
Methylnaphthalene, 2-	91-57-6	E641A	0.01	µg/L	0.5 µg/L	106	60.0	130	----
Naphthalene	91-20-3	E641A	0.05	µg/L	0.5 µg/L	106	50.0	130	----
Phenanthrene	85-01-8	E641A	0.02	µg/L	0.5 µg/L	105	60.0	130	----
Pyrene	129-00-0	E641A	0.01	µg/L	0.5 µg/L	101	60.0	130	----
Quinoline	91-22-5	E641A	0.05	µg/L	0.5 µg/L	102	60.0	130	----
Glycols (QCLot: 2210603)									
Diethylene glycol	111-46-6	E680E	5	mg/L	25 mg/L	100.0	70.0	130	----
Ethylene glycol	107-21-1	E680E	5	mg/L	25 mg/L	100	70.0	130	----
Propylene glycol, 1,2-	57-55-6	E680E	5	mg/L	25 mg/L	99.0	70.0	130	----
Triethylene glycol	112-27-6	E680E	5	mg/L	25 mg/L	98.7	70.0	130	----



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: 2210984)										
VA25C3425-001	Anonymous	Nitrogen, total	7727-37-9	E366	ND mg/L	----	ND	70.0	130	----
Anions and Nutrients (QCLot: 2210985)										
VA25C3425-001	Anonymous	Phosphorus, total	7723-14-0	E372-U	0.0488 mg/L	0.05 mg/L	97.5	70.0	130	----
Anions and Nutrients (QCLot: 2210986)										
VA25C3425-001	Anonymous	Ammonia, total (as N)	7664-41-7	E298	ND mg/L	----	ND	75.0	125	----
Anions and Nutrients (QCLot: 2211239)										
VA25C3347-001	Anonymous	Sulfate (as SO4)	14808-79-8	E235.SO4	105 mg/L	100 mg/L	105	75.0	125	----
Anions and Nutrients (QCLot: 2211240)										
VA25C3347-001	Anonymous	Chloride	16887-00-6	E235.Cl	104 mg/L	100 mg/L	104	75.0	125	----
Anions and Nutrients (QCLot: 2211241)										
VA25C3347-001	Anonymous	Nitrate (as N)	14797-55-8	E235.NO3-L	2.63 mg/L	2.5 mg/L	105	75.0	125	----
Anions and Nutrients (QCLot: 2211242)										
VA25C3347-001	Anonymous	Nitrite (as N)	14797-65-0	E235.NO2-L	0.514 mg/L	0.5 mg/L	103	75.0	125	----
Anions and Nutrients (QCLot: 2211243)										
VA25C3347-001	Anonymous	Fluoride	16984-48-8	E235.F	1.000 mg/L	1 mg/L	100.0	75.0	125	----
Anions and Nutrients (QCLot: 2211244)										
VA25C3347-001	Anonymous	Bromide	24959-67-9	E235.Br-L	0.549 mg/L	0.5 mg/L	110	75.0	125	----
Organic / Inorganic Carbon (QCLot: 2206639)										
VA25C3195-001	Anonymous	Carbon, dissolved organic [DOC]	----	E358-L	ND mg/L	----	ND	70.0	130	----
Organic / Inorganic Carbon (QCLot: 2210983)										
VA25C3425-001	Anonymous	Carbon, total organic [TOC]	----	E355-L	5.33 mg/L	5 mg/L	106	70.0	130	----
Total Metals (QCLot: 2206670)										
VA25C3195-001	Anonymous	Aluminum, total	7429-90-5	E420	ND mg/L	----	ND	70.0	130	----
		Antimony, total	7440-36-0	E420	0.0394 mg/L	0.04 mg/L	98.5	70.0	130	----
		Arsenic, total	7440-38-2	E420	0.0436 mg/L	0.04 mg/L	109	70.0	130	----
		Barium, total	7440-39-3	E420	0.0393 mg/L	0.04 mg/L	98.3	70.0	130	----
		Beryllium, total	7440-41-7	E420	0.0807 mg/L	0.08 mg/L	101	70.0	130	----
		Bismuth, total	7440-69-9	E420	0.0192 mg/L	0.02 mg/L	96.2	70.0	130	----
		Boron, total	7440-42-8	E420	0.194 mg/L	0.2 mg/L	97.0	70.0	130	----
		Cadmium, total	7440-43-9	E420	0.00791 mg/L	0.008 mg/L	98.9	70.0	130	----
		Calcium, total	7440-70-2	E420	ND mg/L	----	ND	70.0	130	----
		Cesium, total	7440-46-2	E420	0.0197 mg/L	0.02 mg/L	98.6	70.0	130	----
		Chromium, total	7440-47-3	E420	0.0801 mg/L	0.08 mg/L	100	70.0	130	----



Sub-Matrix: Water					Matrix Spike (MS) Report					
					Spike		Recovery (%)	Recovery Limits (%)		Qualifier
Laboratory sample ID	Client sample ID	Analyte	CAS Number	Method	Concentration	Target	MS	Low	High	
Total Metals (QCLot: 2206670) - continued										
VA25C3195-001	Anonymous	Cobalt, total	7440-48-4	E420	0.0398 mg/L	0.04 mg/L	99.6	70.0	130	----
		Copper, total	7440-50-8	E420	0.0385 mg/L	0.04 mg/L	96.2	70.0	130	----
		Iron, total	7439-89-6	E420	3.90 mg/L	4 mg/L	97.4	70.0	130	----
		Lead, total	7439-92-1	E420	0.0387 mg/L	0.04 mg/L	96.8	70.0	130	----
		Lithium, total	7439-93-2	E420	0.191 mg/L	0.2 mg/L	95.5	70.0	130	----
		Magnesium, total	7439-95-4	E420	ND mg/L	----	ND	70.0	130	----
		Manganese, total	7439-96-5	E420	ND mg/L	----	ND	70.0	130	----
		Molybdenum, total	7439-98-7	E420	ND mg/L	----	ND	70.0	130	----
		Nickel, total	7440-02-0	E420	0.0779 mg/L	0.08 mg/L	97.3	70.0	130	----
		Phosphorus, total	7723-14-0	E420	20.4 mg/L	20 mg/L	102	70.0	130	----
		Potassium, total	7440-09-7	E420	ND mg/L	----	ND	70.0	130	----
		Rubidium, total	7440-17-7	E420	0.0411 mg/L	0.04 mg/L	103	70.0	130	----
		Selenium, total	7782-49-2	E420	0.0823 mg/L	0.08 mg/L	103	70.0	130	----
		Silicon, total	7440-21-3	E420	20.4 mg/L	20 mg/L	102	70.0	130	----
		Silver, total	7440-22-4	E420	0.00734 mg/L	0.008 mg/L	91.7	70.0	130	----
		Sodium, total	7440-23-5	E420	ND mg/L	----	ND	70.0	130	----
		Strontium, total	7440-24-6	E420	ND mg/L	----	ND	70.0	130	----
		Sulfur, total	7704-34-9	E420	ND mg/L	----	ND	70.0	130	----
		Tellurium, total	13494-80-9	E420	0.0780 mg/L	0.08 mg/L	97.5	70.0	130	----
		Thallium, total	7440-28-0	E420	0.00773 mg/L	0.008 mg/L	96.6	70.0	130	----
		Thorium, total	7440-29-1	E420	0.0301 mg/L	0.04 mg/L	75.3	70.0	130	----
		Tin, total	7440-31-5	E420	0.0392 mg/L	0.04 mg/L	97.9	70.0	130	----
		Titanium, total	7440-32-6	E420	0.0825 mg/L	0.08 mg/L	103	70.0	130	----
		Tungsten, total	7440-33-7	E420	0.0405 mg/L	0.04 mg/L	101	70.0	130	----
		Uranium, total	7440-61-1	E420	ND mg/L	----	ND	70.0	130	----
		Vanadium, total	7440-62-2	E420	0.210 mg/L	0.2 mg/L	105	70.0	130	----
		Zinc, total	7440-66-6	E420	0.799 mg/L	0.8 mg/L	99.9	70.0	130	----
		Zirconium, total	7440-67-7	E420	0.0839 mg/L	0.08 mg/L	105	70.0	130	----
Total Metals (QCLot: 2206732)										
VA25C2963-001	Anonymous	Mercury, total	7439-97-6	E508	0.0000977 mg/L	0 mg/L	97.7	70.0	130	----
Dissolved Metals (QCLot: 2206643)										
VA25C3195-001	Anonymous	Aluminum, dissolved	7429-90-5	E421	0.411 mg/L	0.4 mg/L	103	70.0	130	----
		Antimony, dissolved	7440-36-0	E421	0.0407 mg/L	0.04 mg/L	102	70.0	130	----
		Arsenic, dissolved	7440-38-2	E421	0.0452 mg/L	0.04 mg/L	113	70.0	130	----
		Barium, dissolved	7440-39-3	E421	0.0404 mg/L	0.04 mg/L	101	70.0	130	----
		Beryllium, dissolved	7440-41-7	E421	0.0812 mg/L	0.08 mg/L	101	70.0	130	----
		Bismuth, dissolved	7440-69-9	E421	0.0188 mg/L	0.02 mg/L	94.0	70.0	130	----
		Boron, dissolved	7440-42-8	E421	0.196 mg/L	0.2 mg/L	98.1	70.0	130	----
		Cadmium, dissolved	7440-43-9	E421	0.00810 mg/L	0.008 mg/L	101	70.0	130	----
		Calcium, dissolved	7440-70-2	E421	ND mg/L	----	ND	70.0	130	----
		Cesium, dissolved	7440-46-2	E421	0.0202 mg/L	0.02 mg/L	101	70.0	130	----
		Chromium, dissolved	7440-47-3	E421	0.0818 mg/L	0.08 mg/L	102	70.0	130	----
		Cobalt, dissolved	7440-48-4	E421	0.0404 mg/L	0.04 mg/L	101	70.0	130	----



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
Dissolved Metals (QCLot: 2206643) - continued										
VA25C3195-001	Anonymous	Copper, dissolved	7440-50-8	E421	0.0384 mg/L	0.04 mg/L	96.0	70.0	130	----
		Iron, dissolved	7439-89-6	E421	3.94 mg/L	4 mg/L	98.5	70.0	130	----
		Lead, dissolved	7439-92-1	E421	0.0385 mg/L	0.04 mg/L	96.4	70.0	130	----
		Lithium, dissolved	7439-93-2	E421	0.192 mg/L	0.2 mg/L	96.2	70.0	130	----
		Magnesium, dissolved	7439-95-4	E421	ND mg/L	----	ND	70.0	130	----
		Manganese, dissolved	7439-96-5	E421	0.0406 mg/L	0.04 mg/L	102	70.0	130	----
		Molybdenum, dissolved	7439-98-7	E421	ND mg/L	----	ND	70.0	130	----
		Nickel, dissolved	7440-02-0	E421	0.0790 mg/L	0.08 mg/L	98.7	70.0	130	----
		Phosphorus, dissolved	7723-14-0	E421	21.6 mg/L	20 mg/L	108	70.0	130	----
		Potassium, dissolved	7440-09-7	E421	ND mg/L	----	ND	70.0	130	----
		Rubidium, dissolved	7440-17-7	E421	0.0418 mg/L	0.04 mg/L	104	70.0	130	----
		Selenium, dissolved	7782-49-2	E421	0.0895 mg/L	0.08 mg/L	112	70.0	130	----
		Silicon, dissolved	7440-21-3	E421	20.4 mg/L	20 mg/L	102	70.0	130	----
		Silver, dissolved	7440-22-4	E421	0.00749 mg/L	0.008 mg/L	93.7	70.0	130	----
		Sodium, dissolved	7440-23-5	E421	ND mg/L	----	ND	70.0	130	----
		Strontium, dissolved	7440-24-6	E421	ND mg/L	----	ND	70.0	130	----
		Sulfur, dissolved	7704-34-9	E421	ND mg/L	----	ND	70.0	130	----
		Tellurium, dissolved	13494-80-9	E421	0.0848 mg/L	0.08 mg/L	106	70.0	130	----
		Thallium, dissolved	7440-28-0	E421	0.00758 mg/L	0.008 mg/L	94.8	70.0	130	----
		Thorium, dissolved	7440-29-1	E421	0.0294 mg/L	0.04 mg/L	73.6	70.0	130	----
		Tin, dissolved	7440-31-5	E421	0.0403 mg/L	0.04 mg/L	101	70.0	130	----
		Titanium, dissolved	7440-32-6	E421	0.0841 mg/L	0.08 mg/L	105	70.0	130	----
		Tungsten, dissolved	7440-33-7	E421	0.0399 mg/L	0.04 mg/L	99.8	70.0	130	----
		Uranium, dissolved	7440-61-1	E421	ND mg/L	----	ND	70.0	130	----
		Vanadium, dissolved	7440-62-2	E421	0.214 mg/L	0.2 mg/L	107	70.0	130	----
		Zinc, dissolved	7440-66-6	E421	0.800 mg/L	0.8 mg/L	99.9	70.0	130	----
		Zirconium, dissolved	7440-67-7	E421	0.0862 mg/L	0.08 mg/L	108	70.0	130	----
Dissolved Metals (QCLot: 2206763)										
VA25C3116-003	Anonymous	Mercury, dissolved	7439-97-6	E509	0.0000978 mg/L	0 mg/L	97.8	70.0	130	----
Aggregate Organics (QCLot: 2212948)										
KS2503647-004	Anonymous	Phenols, total (4AAP)	----	E562	0.0206 mg/L	0.02 mg/L	103	75.0	125	----
Volatile Organic Compounds (QCLot: 2210579)										
VA25C3181-001	WTP	Benzene	71-43-2	E611C	102 µg/L	100 µg/L	102	60.0	140	----
		Bromodichloromethane	75-27-4	E611C	104 µg/L	100 µg/L	104	60.0	140	----
		Bromoform	75-25-2	E611C	116 µg/L	100 µg/L	116	60.0	140	----
		Carbon tetrachloride	56-23-5	E611C	91.2 µg/L	100 µg/L	91.2	60.0	140	----
		Chlorobenzene	108-90-7	E611C	102 µg/L	100 µg/L	102	60.0	140	----
		Chloroethane	75-00-3	E611C	86.2 µg/L	100 µg/L	86.2	50.0	150	----
		Chloroform	67-66-3	E611C	104 µg/L	100 µg/L	104	60.0	140	----
		Chloromethane	74-87-3	E611C	51.0 µg/L	100 µg/L	51.0	50.0	150	----
		Dibromochloromethane	124-48-1	E611C	103 µg/L	100 µg/L	103	60.0	140	----
		Dichlorobenzene, 1,2-	95-50-1	E611C	100 µg/L	100 µg/L	100	60.0	140	----
		Dichlorobenzene, 1,3-	541-73-1	E611C	99.4 µg/L	100 µg/L	99.4	60.0	140	----



Sub-Matrix: Water					Matrix Spike (MS) Report				
					Spike		Recovery (%)	Recovery Limits (%)	
					Concentration	Target	MS	Low	High
Laboratory sample ID	Client sample ID	Analyte	CAS Number	Method	Concentration	Target	MS	Low	High
Volatile Organic Compounds (QCLot: 2210579) - continued									
VA25C3181-001	WTP	Dichlorobenzene, 1,4-	106-46-7	E611C	102 µg/L	100 µg/L	102	60.0	140
		Dichloroethane, 1,1-	75-34-3	E611C	103 µg/L	100 µg/L	103	60.0	140
		Dichloroethane, 1,2-	107-06-2	E611C	116 µg/L	100 µg/L	116	60.0	140
		Dichloroethylene, 1,1-	75-35-4	E611C	88.2 µg/L	100 µg/L	88.2	60.0	140
		Dichloroethylene, cis-1,2-	156-59-2	E611C	104 µg/L	100 µg/L	104	60.0	140
		Dichloroethylene, trans-1,2-	156-60-5	E611C	98.1 µg/L	100 µg/L	98.1	60.0	140
		Dichloromethane	75-09-2	E611C	110 µg/L	100 µg/L	110	60.0	140
		Dichloropropane, 1,2-	78-87-5	E611C	113 µg/L	100 µg/L	113	60.0	140
		Dichloropropylene, cis-1,3-	10061-01-5	E611C	95.4 µg/L	100 µg/L	95.4	60.0	140
		Dichloropropylene, trans-1,3-	10061-02-6	E611C	87.4 µg/L	100 µg/L	87.4	60.0	140
		Ethylbenzene	100-41-4	E611C	86.0 µg/L	100 µg/L	86.0	60.0	140
		Methyl-tert-butyl ether [MTBE]	1634-04-4	E611C	107 µg/L	100 µg/L	107	60.0	140
		Styrene	100-42-5	E611C	96.6 µg/L	100 µg/L	96.6	60.0	140
		Tetrachloroethane, 1,1,1,2-	630-20-6	E611C	101 µg/L	100 µg/L	101	60.0	140
		Tetrachloroethane, 1,1,1,2,2-	79-34-5	E611C	127 µg/L	100 µg/L	127	60.0	140
		Tetrachloroethylene	127-18-4	E611C	89.8 µg/L	100 µg/L	89.8	60.0	140
		Toluene	108-88-3	E611C	92.1 µg/L	100 µg/L	92.1	60.0	140
		Trichloroethane, 1,1,1-	71-55-6	E611C	94.6 µg/L	100 µg/L	94.6	60.0	140
		Trichloroethane, 1,1,2-	79-00-5	E611C	111 µg/L	100 µg/L	111	60.0	140
		Trichloroethylene	79-01-6	E611C	92.9 µg/L	100 µg/L	92.9	60.0	140
		Trichlorofluoromethane	75-69-4	E611C	79.0 µg/L	100 µg/L	79.0	50.0	150
		Vinyl chloride	75-01-4	E611C	108 µg/L	100 µg/L	108	50.0	150
		Xylene, m+p-	179601-23-1	E611C	198 µg/L	200 µg/L	99.0	60.0	140
		Xylene, o-	95-47-6	E611C	90.8 µg/L	100 µg/L	90.8	60.0	140

QUALITY CONTROL INTERPRETIVE REPORT

Work Order	: VA25C3181	Page	: 1 of 14
Amendment	: 1		
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	: 08-Sep-2025 19:08
PO	: ----	Issue Date	: 16-Sep-2025 16:37
C-O-C number	: 23-1085364		
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 Laboratory Control Sample (LCS) outliers occur
- No Matrix Spike outliers occur.
- 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.



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 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	
Aggregate Organics : Phenols (4AAP) in Water by Colorimetry										
Amber glass total (sulfuric acid) WTP	E562	08-Sep-2025	11-Sep-2025	28 days	3 days	✓	11-Sep-2025	28 days	3 days	✓
Anions and Nutrients : Ammonia by Fluorescence										
Amber glass total (sulfuric acid) WTP	E298	08-Sep-2025	10-Sep-2025	28 days	2 days	✓	11-Sep-2025	28 days	2 days	✓
Anions and Nutrients : Bromide in Water by IC (Low Level)										
HDPE WTP	E235.Br-L	08-Sep-2025	10-Sep-2025	28 days	2 days	✓	10-Sep-2025	28 days	2 days	✓
Anions and Nutrients : Chloride in Water by IC										
HDPE WTP	E235.Cl	08-Sep-2025	10-Sep-2025	28 days	2 days	✓	10-Sep-2025	28 days	2 days	✓
Anions and Nutrients : Fluoride in Water by IC										
HDPE WTP	E235.F	08-Sep-2025	10-Sep-2025	28 days	2 days	✓	10-Sep-2025	28 days	2 days	✓
Anions and Nutrients : Nitrate in Water by IC (Low Level)										
HDPE WTP	E235.NO3-L	08-Sep-2025	10-Sep-2025	3 days	2 days	✓	10-Sep-2025	3 days	2 days	✓
Anions and Nutrients : Nitrite in Water by IC (Low Level)										
HDPE WTP	E235.NO2-L	08-Sep-2025	10-Sep-2025	3 days	2 days	✓	10-Sep-2025	3 days	2 days	✓



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	
Anions and Nutrients : Sulfate in Water by IC										
HDPE WTP	E235.SO4	08-Sep-2025	10-Sep-2025	28 days	2 days	✓	10-Sep-2025	28 days	2 days	✓
Anions and Nutrients : Total Nitrogen by Colourimetry										
Amber glass total (sulfuric acid) WTP	E366	08-Sep-2025	10-Sep-2025	28 days	2 days	✓	11-Sep-2025	28 days	2 days	✓
Anions and Nutrients : Total Phosphorus by Colourimetry (0.002 mg/L)										
Amber glass total (sulfuric acid) WTP	E372-U	08-Sep-2025	10-Sep-2025	28 days	2 days	✓	11-Sep-2025	28 days	2 days	✓
Dissolved Metals : Dissolved Mercury in Water by CVAAS										
HDPE dissolved (nitric acid) WTP	E509	08-Sep-2025	09-Sep-2025	0 hrs	12 hrs	✖ UCP	09-Sep-2025	0 hrs	12 hrs	✖ UCP
Dissolved Metals : Dissolved Metals in Water by CRC ICPMS										
HDPE dissolved (nitric acid) WTP	E421	08-Sep-2025	08-Sep-2025	180 days	0 days	✓	09-Sep-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	08-Sep-2025	----	----	----		09-Sep-2025	----	----	
Glycols : Glycols (4 analytes) by GC-FID										
Glass vial (sodium bisulfate) WTP	E680E	08-Sep-2025	10-Sep-2025	14 days	2 days	✓	11-Sep-2025	40 days	1 days	✓
Hydrocarbons : BC PHCs - EPH by GC-FID										
Amber glass/Teflon lined cap (sodium bisulfate) WTP	E601A	08-Sep-2025	10-Sep-2025	14 days	2 days	✓	11-Sep-2025	40 days	1 days	✓
Hydrocarbons : VH and F1 by Headspace GC-FID										
Glass vial (sodium bisulfate) WTP	E581.VH+F1	08-Sep-2025	10-Sep-2025	14 days	2 days	✓	10-Sep-2025	14 days	2 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 : Dissolved Organic Carbon by Combustion (Low Level)										
Amber glass - dissolved (unpreserved) WTP	E358-L	08-Sep-2025	08-Sep-2025	3 days	0 days	✓	08-Sep-2025	28 days	0 days	✓
Organic / Inorganic Carbon : Total Organic Carbon (Non-Purgeable) by Combustion (Low Level)										
Amber glass total (sulfuric acid) WTP	E355-L	08-Sep-2025	10-Sep-2025	28 days	2 days	✓	10-Sep-2025	28 days	2 days	✓
Physical Tests : Alkalinity Species by Titration										
HDPE WTP	E290	08-Sep-2025	08-Sep-2025	14 days	0 days	✓	09-Sep-2025	14 days	0 days	✓
Physical Tests : Conductivity in Water										
HDPE WTP	E100	08-Sep-2025	08-Sep-2025	28 days	0 days	✓	09-Sep-2025	28 days	0 days	✓
Physical Tests : pH by Meter										
HDPE WTP	E108	08-Sep-2025	08-Sep-2025	0.25 hrs	7 hrs	✖ EHTR-FM	09-Sep-2025	0.25 hrs	7 hrs	✖ EHTR-FM
Physical Tests : TDS by Gravimetry										
HDPE WTP	E162	08-Sep-2025	----	----	----		12-Sep-2025	7 days	4 days	✓
Physical Tests : TSS by Gravimetry										
HDPE WTP	E160	08-Sep-2025	----	----	----		12-Sep-2025	7 days	4 days	✓
Physical Tests : Turbidity by Nephelometry										
HDPE WTP	E121	08-Sep-2025	----	----	----		08-Sep-2025	3 days	0 days	✓
Polycyclic Aromatic Hydrocarbons : PAHs in Water by Hexane LVI GC-MS										
Amber glass/Teflon lined cap (sodium bisulfate) WTP	E641A	08-Sep-2025	10-Sep-2025	14 days	2 days	✓	10-Sep-2025	40 days	0 days	✓



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	
Total Metals : Total Mercury in Water by CVAAS										
HDPE total (nitric acid) WTP	E508	08-Sep-2025	09-Sep-2025	0 hrs	10 hrs	✖ UCP	09-Sep-2025	0 hrs	10 hrs	✖ UCP
Total Metals : Total Metals in Water by CRC ICPMS										
HDPE total (nitric acid) WTP	E420	08-Sep-2025	09-Sep-2025	180 days	0 days	✔	09-Sep-2025	180 days	0 days	✔
Volatile Organic Compounds : VOCs (BC List) by Headspace GC-MS										
Glass vial (sodium bisulfate) WTP	E611C	08-Sep-2025	10-Sep-2025	14 days	2 days	✔	10-Sep-2025	14 days	2 days	✔

Legend & Qualifier Definitions

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

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

UCP: Unsuitable Container and/or Preservative used (invalidates standard hold time). Maximum hold time of zero applied. Test results may be biased low / unreliable, and may not meet regulatory requirements.



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			Count		Frequency (%)		
Analytical Methods	Method	QC Lot #	QC	Regular	Actual	Expected	Evaluation
Laboratory Duplicates (DUP)							
Conductivity in Water	E100	2206646	1	4	25.0	5.0	✓
pH by Meter	E108	2206644	1	12	8.3	5.0	✓
Turbidity by Nephelometry	E121	2206565	1	20	5.0	5.0	✓
TSS by Gravimetry	E160	2216690	1	20	5.0	5.0	✓
TDS by Gravimetry	E162	2216686	1	20	5.0	5.0	✓
Bromide in Water by IC (Low Level)	E235.Br-L	2211244	1	9	11.1	5.0	✓
Chloride in Water by IC	E235.Cl	2211240	1	16	6.2	5.0	✓
Fluoride in Water by IC	E235.F	2211243	1	15	6.6	5.0	✓
Nitrite in Water by IC (Low Level)	E235.NO2-L	2211242	1	15	6.6	5.0	✓
Nitrate in Water by IC (Low Level)	E235.NO3-L	2211241	1	15	6.6	5.0	✓
Sulfate in Water by IC	E235.SO4	2211239	1	15	6.6	5.0	✓
Alkalinity Species by Titration	E290	2206645	1	7	14.2	5.0	✓
Ammonia by Fluorescence	E298	2210986	1	7	14.2	5.0	✓
Total Organic Carbon (Non-Purgeable) by Combustion (Low Level)	E355-L	2210983	1	7	14.2	5.0	✓
Dissolved Organic Carbon by Combustion (Low Level)	E358-L	2206639	1	5	20.0	5.0	✓
Total Nitrogen by Colourimetry	E366	2210984	1	7	14.2	5.0	✓
Total Phosphorus by Colourimetry (0.002 mg/L)	E372-U	2210985	1	7	14.2	5.0	✓
Total Metals in Water by CRC ICPMS	E420	2206670	1	4	25.0	5.0	✓
Dissolved Metals in Water by CRC ICPMS	E421	2206643	1	4	25.0	5.0	✓
Total Mercury in Water by CVAAS	E508	2206732	1	17	5.8	5.0	✓
Dissolved Mercury in Water by CVAAS	E509	2206763	1	7	14.2	5.0	✓
Phenols (4AAP) in Water by Colorimetry	E562	2212948	1	20	5.0	5.0	✓
VH and F1 by Headspace GC-FID	E581.VH+F1	2210578	1	1	100.0	5.0	✓
VOCs (BC List) by Headspace GC-MS	E611C	2210579	1	1	100.0	5.0	✓
Glycols (4 analytes) by GC-FID	E680E	2210603	1	1	100.0	5.0	✓
Laboratory Control Samples (LCS)							
Conductivity in Water	E100	2206646	1	4	25.0	5.0	✓
pH by Meter	E108	2206644	1	12	8.3	5.0	✓
Turbidity by Nephelometry	E121	2206565	1	20	5.0	5.0	✓
TSS by Gravimetry	E160	2216690	1	20	5.0	5.0	✓
TDS by Gravimetry	E162	2216686	1	20	5.0	5.0	✓
Bromide in Water by IC (Low Level)	E235.Br-L	2211244	1	9	11.1	5.0	✓
Chloride in Water by IC	E235.Cl	2211240	1	16	6.2	5.0	✓
Fluoride in Water by IC	E235.F	2211243	1	15	6.6	5.0	✓
Nitrite in Water by IC (Low Level)	E235.NO2-L	2211242	1	15	6.6	5.0	✓
Nitrate in Water by IC (Low Level)	E235.NO3-L	2211241	1	15	6.6	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	2211239	1	15	6.6	5.0	✔
Alkalinity Species by Titration	E290	2206645	1	7	14.2	5.0	✔
Ammonia by Fluorescence	E298	2210986	1	7	14.2	5.0	✔
Total Organic Carbon (Non-Purgeable) by Combustion (Low Level)	E355-L	2210983	1	7	14.2	5.0	✔
Dissolved Organic Carbon by Combustion (Low Level)	E358-L	2206639	1	5	20.0	5.0	✔
Total Nitrogen by Colourimetry	E366	2210984	1	7	14.2	5.0	✔
Total Phosphorus by Colourimetry (0.002 mg/L)	E372-U	2210985	1	7	14.2	5.0	✔
Total Metals in Water by CRC ICPMS	E420	2206670	1	4	25.0	5.0	✔
Dissolved Metals in Water by CRC ICPMS	E421	2206643	1	4	25.0	5.0	✔
Total Mercury in Water by CVAAS	E508	2206732	1	17	5.8	5.0	✔
Dissolved Mercury in Water by CVAAS	E509	2206763	1	7	14.2	5.0	✔
Phenols (4AAP) in Water by Colorimetry	E562	2212948	1	20	5.0	5.0	✔
VH and F1 by Headspace GC-FID	E581.VH+F1	2210578	1	1	100.0	5.0	✔
BC PHCs - EPH by GC-FID	E601A	2210377	1	13	7.6	5.0	✔
VOCs (BC List) by Headspace GC-MS	E611C	2210579	1	1	100.0	5.0	✔
PAHs in Water by Hexane LVI GC-MS	E641A	2210378	1	12	8.3	5.0	✔
Glycols (4 analytes) by GC-FID	E680E	2210603	1	1	100.0	5.0	✔
Method Blanks (MB)							
Conductivity in Water	E100	2206646	1	4	25.0	5.0	✔
Turbidity by Nephelometry	E121	2206565	1	20	5.0	5.0	✔
TSS by Gravimetry	E160	2216690	1	20	5.0	5.0	✔
TDS by Gravimetry	E162	2216686	1	20	5.0	5.0	✔
Bromide in Water by IC (Low Level)	E235.Br-L	2211244	1	9	11.1	5.0	✔
Chloride in Water by IC	E235.Cl	2211240	1	16	6.2	5.0	✔
Fluoride in Water by IC	E235.F	2211243	1	15	6.6	5.0	✔
Nitrite in Water by IC (Low Level)	E235.NO2-L	2211242	1	15	6.6	5.0	✔
Nitrate in Water by IC (Low Level)	E235.NO3-L	2211241	1	15	6.6	5.0	✔
Sulfate in Water by IC	E235.SO4	2211239	1	15	6.6	5.0	✔
Alkalinity Species by Titration	E290	2206645	1	7	14.2	5.0	✔
Ammonia by Fluorescence	E298	2210986	1	7	14.2	5.0	✔
Total Organic Carbon (Non-Purgeable) by Combustion (Low Level)	E355-L	2210983	1	7	14.2	5.0	✔
Dissolved Organic Carbon by Combustion (Low Level)	E358-L	2206639	1	5	20.0	5.0	✔
Total Nitrogen by Colourimetry	E366	2210984	1	7	14.2	5.0	✔
Total Phosphorus by Colourimetry (0.002 mg/L)	E372-U	2210985	1	7	14.2	5.0	✔
Total Metals in Water by CRC ICPMS	E420	2206670	1	4	25.0	5.0	✔
Dissolved Metals in Water by CRC ICPMS	E421	2206643	1	4	25.0	5.0	✔
Total Mercury in Water by CVAAS	E508	2206732	1	17	5.8	5.0	✔
Dissolved Mercury in Water by CVAAS	E509	2206763	1	7	14.2	5.0	✔
Phenols (4AAP) in Water by Colorimetry	E562	2212948	1	20	5.0	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
Method Blanks (MB) - Continued							
VH and F1 by Headspace GC-FID	E581.VH+F1	2210578	1	1	100.0	5.0	✔
BC PHCs - EPH by GC-FID	E601A	2210377	1	13	7.6	5.0	✔
VOCs (BC List) by Headspace GC-MS	E611C	2210579	1	1	100.0	5.0	✔
PAHs in Water by Hexane LVI GC-MS	E641A	2210378	1	12	8.3	5.0	✔
Glycols (4 analytes) by GC-FID	E680E	2210603	1	1	100.0	5.0	✔
Matrix Spikes (MS)							
Bromide in Water by IC (Low Level)	E235.Br-L	2211244	1	9	11.1	5.0	✔
Chloride in Water by IC	E235.Cl	2211240	1	16	6.2	5.0	✔
Fluoride in Water by IC	E235.F	2211243	1	15	6.6	5.0	✔
Nitrite in Water by IC (Low Level)	E235.NO2-L	2211242	1	15	6.6	5.0	✔
Nitrate in Water by IC (Low Level)	E235.NO3-L	2211241	1	15	6.6	5.0	✔
Sulfate in Water by IC	E235.SO4	2211239	1	15	6.6	5.0	✔
Ammonia by Fluorescence	E298	2210986	1	7	14.2	5.0	✔
Total Organic Carbon (Non-Purgeable) by Combustion (Low Level)	E355-L	2210983	1	7	14.2	5.0	✔
Dissolved Organic Carbon by Combustion (Low Level)	E358-L	2206639	1	5	20.0	5.0	✔
Total Nitrogen by Colourimetry	E366	2210984	1	7	14.2	5.0	✔
Total Phosphorus by Colourimetry (0.002 mg/L)	E372-U	2210985	1	7	14.2	5.0	✔
Total Metals in Water by CRC ICPMS	E420	2206670	1	4	25.0	5.0	✔
Dissolved Metals in Water by CRC ICPMS	E421	2206643	1	4	25.0	5.0	✔
Total Mercury in Water by CVAAS	E508	2206732	1	17	5.8	5.0	✔
Dissolved Mercury in Water by CVAAS	E509	2206763	1	7	14.2	5.0	✔
Phenols (4AAP) in Water by Colorimetry	E562	2212948	1	20	5.0	5.0	✔
VH and F1 by Headspace GC-FID	E581.VH+F1	2210578	0	1	0.0	5.0	✖
VOCs (BC List) by Headspace GC-MS	E611C	2210579	1	1	100.0	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.
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.
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.



Analytical Methods	Method / Lab	Matrix	Method Reference	Method Descriptions
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.
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.



Analytical Methods	Method / Lab	Matrix	Method Reference	Method Descriptions
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.
Total Mercury in Water by CVAAS	E508 ALS Environmental - Vancouver	Water	EPA 1631E (mod)	Water samples undergo a cold-oxidation using bromine monochloride prior to reduction with stannous chloride, and analyzed by CVAAS
Dissolved Mercury in Water by CVAAS	E509 ALS Environmental - Vancouver	Water	APHA 3030B/EPA 1631E (mod)	Water samples are filtered (0.45 um), preserved with HCl, then undergo a cold-oxidation using bromine monochloride prior to reduction with stannous chloride, and analyzed by CVAAS.
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.



Analytical Methods	Method / Lab	Matrix	Method Reference	Method Descriptions
Glycols (4 analytes) by GC-FID	E680E ALS Environmental - Vancouver	Water	EPA 8015D (mod)	Derivatized glycols are analyzed by GC-FID.
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 Methods	Method / Lab	Matrix	Method Reference	Method Descriptions
Preparation for Dissolved Organic Carbon for Combustion	EP358 ALS Environmental - Vancouver	Water	APHA 5310 B (mod)	Preparation for Dissolved Organic Carbon
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 .
Dissolved Mercury Water Filtration	EP509 ALS Environmental - Vancouver	Water	APHA 3030B	Water samples are filtered (0.45 um), and preserved with HCl.
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.



www.alsglobal.com

Chain of Custody (COC) / Analytical Request Form

Canada Toll Free: 1 800 668 9878

COC Number: 23 - 1085364

Page of

Report To Contact and company name below will appear on the final report		Reports / Recipients		Turnaround Time (TAT) Requested		AFFIX ALS BARCODE LABEL HERE (ALS use only)		
Company:	FKM	Select Report Format:	☒ PDF ☒ EXCEL ☐ BDD (DIGITAL)	☐ Routine [R] if received by 3pm M-F - no surcharges apply ☐ 4 day [P4] if received by 3pm M-F - 20% rush surcharge minimum ☐ 3 day [P3] if received by 3pm M-F - 25% rush surcharge minimum ☐ 2 day [P2] if received by 3pm M-F - 50% rush surcharge minimum ☐ 1 day [E] if received by 3pm M-F - 100% rush surcharge minimum ☒ Same day [E2] if received by 10am M-S - 200% rush surcharge.				
Contact:	Sara Derakhshi	Merge QC/QCI Reports with COA	☐ YES ☐ NO ☐ N/A	Additional fees may apply to rush requests on weekends, statutory holidays and for non-routine tests.				
Phone:	604 712 7257	Select Distribution:	☐ EMAIL ☐ MAIL ☐ FAX	Date and Time Required for all E&P TATs:		29-09-2025 5pm		
Company address below will appear on the final report		Email 1 or Fax:	Sara.Derakhshi@MicheleCanada.com					
Street:		Email 2:	Bradchr1ke@MicheleCanada.com					
City/Province:		Email 3:						
Postal Code:		Invoice Recipients		Analysis Request				
Invoice To:	Same as Report To ☐ YES ☐ NO	Select Invoice Distribution:	☐ EMAIL ☐ MAIL ☐ FAX	For all tests with rush TATs requested, please contact your AM to confirm availability.				
Copy of Invoice with Report:	☐ YES ☐ NO	Email 1 or Fax:		Indicate Filtered (F), Preserved (P) or Filtered and Preserved (F/P) below				
Company:		Email 2:		NUMBER OF CONTAINERS physical test ☒ Total metals ☒ dissolved metals ☒ Phenols ☐ VOC ☐ Anions nutrients ☐ DOC ☒ Hydrocarbons ☐ PAH ☐ Glycols ☐ organics ☐ Herbicides ☐	SAMPLES ON HOLD EXTENDED STORAGE REQUIRED SUSPECTED HAZARD (see notes)			
Contact:								
Project Information		Oil and Gas Required Fields (client use)						
ALS Client Code / QUOTE #:		AFE/Cost Center:	PO#:					
Job / Project #:	EGP 150	Major/Minor Code:	Routing Code:					
PO / AFE:		Requisitioner:						
LSD:	BCR	Location:						
ALS Lab Work Order # (ALS use only):		ALS Contact:	Sampler:					
ALS Sample # (ALS use only)	Sample Identification and/or Coordinates (This description will appear on the report)	Date (dd-mm-yy)	Time (hh:mm)			Sample Type		
	WTP	29-09-25	16:00			water		
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		physical test: Hardness, pH, NTU, conductivity, Alkalinity. pH: 7-8 Temp: 23°C		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: 25° FINAL COOLER TEMPERATURES °C:				
SHIPMENT RELEASE (client use)		INITIAL SHIPMENT RECEPTION (ALS use only)		FINAL SHIPMENT RECEPTION (ALS use only)				
Released by:	Date:	Time:	Received by:	Date:	Time:	Received by:	Date:	
						RC	8 Sept 2025 18:50	

Environmental Division
Vancouver
Work Order Reference
VA25C3181



Telephone : + 1 604 263 4186

REFER TO BACK PAGE FOR ALS LOCATIONS AND SAMPLING INFORMATION

WHITE - LABORATORY COPY

YELLOW - CLIENT COPY

Failure to complete all portions of this form may delay analysis. Please fill in 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.

JAN 2023 FRONT