



**Eagle Mountain - Woodfibre Gas Pipeline Project  
Waste Discharge Permit PE-110163 Report**

Reporting Week	Oct 13 <sup>th</sup> to Oct 19 <sup>th</sup> , 2025
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# **Eagle Mountain - Woodfibre Gas Pipeline Project**

## **BCER Waste Discharge Permit Weekly Report**



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## 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](mailto: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.



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### 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 Observer 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



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## 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	2025-10-15	2025-10-09	N/A	N/A	145	10.6m <sup>3</sup>	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	2025-10-14	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	2025-10-14	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).

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

SQU US:

- o Oct 13: Temperature, ORP, pH, and turbidity data were missing at 19:00 and 22:00.
- o Oct 14: Temperature, ORP, pH, and turbidity data were missing at 12:00 and 19:00.
- o Oct 15: Temperature, ORP, pH, and turbidity data were missing at 00:00.
- o Oct 16: Temperature, ORP, pH, and turbidity data were missing at 11:00 and 15:00.



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- o Oct 17: Temperature, ORP, pH, and turbidity data were missing at 07:00 and 9:00.
  - o Oct 19: Temperature, ORP, pH, and turbidity data were missing at 01:00, 11:00, 12:00 and 16:00.
- SQU DS: none

## 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.
- The WLNG EOP D-Cu concentration (0.000358 mg/L) was above its sample-specific BC ST WQGPAL (freshwater) of 0.0002 mg/L by a factor of 1.8 times, although it is important to note that this guideline includes a 2-fold safety factor. These results suggest negligible additional risk to downstream aquatic life from the EOP D-Cu discharge concentration on Oct 14<sup>th</sup> given that it was less than the upstream reference results.
  - o D-Cu at the upstream reference WLNG US (0.00106 mg/L) station was below the sample-specific BC ST WQGPAL (freshwater) of 0.00237 mg/L, but this background concentration exceeded the value observed in the EOP sample, indicating elevated background concentrations.
  - o D-Cu at the downstream WLNG DS (0.00011 mg/L) station was below the BC ST freshwater WQGPAL guideline (i.e., 0.000237 mg/L) and the WLNG US upstream reference station results.
- Contractor noted that their pH meter at the PLC was reading incorrectly which resulted in pH measurements outside of range. Contractor used handheld pH to cross check pH and verified it was within range. QP to analyze these pH anomalies.

### Discharge from Water Treatment Plant

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

Location	Date of Discharge	Real Time Monitored and Daily Monitoring	Discharge Volume
Woodfibre	2025-10-13	Yes-Appendix C	2,371 m <sup>3</sup>
Woodfibre	2025-10-14	Yes-Appendix C	2,446 m <sup>3</sup>
Woodfibre	2025-10-15	Yes-Appendix C	2,449 m <sup>3</sup>
Woodfibre	2025-10-16	Yes-Appendix C	2,382 m <sup>3</sup>
Woodfibre	2025-10-17	Yes-Appendix C	2,315 m <sup>3</sup>
Woodfibre	2025-10-18	Yes-Appendix C	2,553 m <sup>3</sup>
Woodfibre	2025-10-19	Yes-Appendix C	2,523 m <sup>3</sup>

\*Max discharge is 1500m<sup>3</sup>/day



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### 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	2025-10-14	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	2025-10-14	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:

- o Oct 14: Temperature was missing at 20:00.
- o Oct 16: Temperature was missing at 2:00 and 3:00.
- o Oct 17: Temperature was missing at 19:00.
- o Oct 18: Temperature was missing at 13:00.
- o Oct 19: Temperature was missing at 15:00 and 21:00

WLNG DS:

- o Oct 14: Temperature, ORP, pH, DO and turbidity data were missing at 13:00.
- o Oct 16: Temperature, ORP, pH, DO and turbidity data were missing at 21:00

Turbidity at the downstream station was elevated from hours from October 13 at 00:00 to October 18 at 15:00. The Water Treatment Plant turbidity measurements do not align with the elevated numbers recorded at the data logger and is likely due to accumulation of material on the sensor. The sensor is being cleaned several times a week.

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



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## BCR Site Batch Sample Analysis

		<b>Eagle Mountain- Woodfibre Gas Pipeline Project- Tunnel Scope</b>	
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2. Discharge Lab's results
3. Photos

**Executive Summary and Field Notes:**

On October 15<sup>th</sup>, FKM initiated a new batch discharge at the BC Rail site. The discharge began on October 15<sup>th</sup> at 09:00 pm and ended on October 15<sup>th</sup> at 09:25 pm. Total volume of discharge water was 10.6 m<sup>3</sup>, with an average flow rate of 145 GPM.

**Table 1: Discharge details**

Date	Start Time	Flow Rate (GPM)	Volume (m <sup>3</sup> )
15-Oct-2025	09:00 PM	145	10.6

**Table 2: In-Situ Sample**

Date	Time	pH	Temperature (°C)	DO (mg/L)	NTU	Conductivity (µS/cm)	ORP (mV)	Salinity (ppt)	Visible sheen
15/10/2025	08:48 PM	7.88	23.4	7.33	1.59	393.7	178.8	0.19	No



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## Discharge Sample results:

**Table 3: Lab Sample**

Client Sample ID			WTP		
Date Sampled			09-Oct-2025		
Time Sampled			17:45		
ALS Sample ID			VA25C6864-001		
Analyte	Lowest Detection Limit	Units	Sub-Matrix: Water	ST-FAL	ST-MAL
<b>Field Tests (Matrix: Water)</b>					
Temperature, field	0.10	°C	16.0		
pH, field	0.10	pH units	7.50		
<b>Sample Preparation (Matrix: Water)</b>					
Dissolved carbon filtration location			lab		
<b>Physical Tests (Matrix: Water)</b>					
Conductivity	2.0	µS/cm	352		
Alkalinity, bicarbonate (as CaCO3)	2.0	mg/L	59.8		
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	59.8		
Hardness (as CaCO3), dissolved	0.60	mg/L	4.10		
Hardness (as CaCO3), from total Ca/Mg	0.60	mg/L	4.31		
Oxidation-reduction potential [ORP]	0.10	mV	237		
Solids, total dissolved [TDS]	10	mg/L	212		
Solids, total suspended [TSS]	3.0	mg/L	<3.0		
Turbidity	0.10	NTU	0.69	US value + 8 = DS guideline	US value + 8 = DS guideline
pH	0.10	pH units	7.95	6.5-9	7.0-8.7
<b>Anions and Nutrients (Matrix: Water)</b>					
Ammonia, total (as N)	0.0050	mg/L	0.0509	44	



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Bromide	0.050	mg/L	0.188		
Chloride	0.50	mg/L	68.2	600	
Fluoride	0.020	mg/L	0.255	0.793	1.5
Nitrate (as N)	0.0050	mg/L	0.497	32.8	
Nitrite (as N)	0.0010	mg/L	0.0123	0.06	
Nitrogen, total	0.030	mg/L	0.717		
Phosphorus, total	0.0020	mg/L	0.140		
Sulfate (as SO4)	0.30	mg/L	5.67		
Ammonium (as NH4), field	0.0010	mg/L	0.0649		
<b>Organic / Inorganic Carbon (Matrix: Water)</b>					
Carbon, dissolved organic [DOC]	0.50	mg/L	1.61		
Carbon, total organic [TOC]	0.50	mg/L	1.54		
<b>Total Metals (Matrix: Water)</b>					
Aluminum, total	0.0030	mg/L	0.276		
Antimony, total	0.00010	mg/L	0.00022	0.25	
Arsenic, total	0.00010	mg/L	0.00035		
Barium, total	0.00010	mg/L	0.00145		
Beryllium, total	0.000100	mg/L	<0.000100		
Bismuth, total	0.000050	mg/L	<0.000050		
Boron, total	0.010	mg/L	0.014		
Cadmium, total	0.0000050	mg/L	<0.0000100		
Calcium, total	0.050	mg/L	1.01		
Cesium, total	0.000010	mg/L	0.000031		
Chromium, total	0.00050	mg/L	<0.00050		
Cobalt, total	0.00010	mg/L	0.00013	0.00039	
Copper, total	0.00050	mg/L	0.00181		0.003
Iron, total	0.010	mg/L	0.100	1	
Lead, total	0.000050	mg/L	<0.000050		0.14
Lithium, total	0.0010	mg/L	0.0013		
Magnesium, total	0.0050	mg/L	0.435		
Manganese, total	0.00010	mg/L	0.00105	0.715	
Mercury, total	0.0000050	mg/L	<0.0000050		
Molybdenum, total	0.000050	mg/L	0.0264	46	
Nickel, total	0.00050	mg/L	0.00090		



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Phosphorus, total	0.050	mg/L	0.133		
Potassium, total	0.050	mg/L	4.81		
Rubidium, total	0.00020	mg/L	0.00129		
Selenium, total	0.000050	mg/L	0.000076		
Silicon, total	0.10	mg/L	9.86		
Silver, total	0.000010	mg/L	<0.000010	0.0001	0.003
Sodium, total	0.050	mg/L	69.5		
Strontium, total	0.00020	mg/L	0.0127		
Sulfur, total	0.50	mg/L	1.72		
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	0.00081		
Tungsten, total	0.00010	mg/L	0.00021	0.0165	
Uranium, total	0.000010	mg/L	<0.000010		
Vanadium, total	0.00050	mg/L	0.00539		
Zinc, total	0.0030	mg/L	0.0112		0.055
Zirconium, total	0.00020	mg/L	<0.00020		
<b>Dissolved Metals (Matrix: Water)</b>					
Aluminum, dissolved	0.0010	mg/L	0.110		
Antimony, dissolved	0.00010	mg/L	0.00021		
Arsenic, dissolved	0.00010	mg/L	0.00027		
Barium, dissolved	0.00010	mg/L	0.00124		
Beryllium, dissolved	0.000100	mg/L	<0.000100		
Bismuth, dissolved	0.000050	mg/L	<0.000050		
Boron, dissolved	0.010	mg/L	0.014		
Cadmium, dissolved	0.0000050	mg/L	<0.0000100	0.000107	
Calcium, dissolved	0.050	mg/L	0.949		
Cesium, dissolved	0.000010	mg/L	0.000026		
Chromium, dissolved	0.00050	mg/L	<0.00050		
Cobalt, dissolved	0.00010	mg/L	<0.00010		
Copper, dissolved	0.00020	mg/L	0.00115	0.00219	
Iron, dissolved	0.010	mg/L	0.073	0.35	
Lead, dissolved	0.000050	mg/L	<0.000050		



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Lithium, dissolved	0.0010	mg/L	0.0012		
Magnesium, dissolved	0.0050	mg/L	0.420		
Manganese, dissolved	0.00010	mg/L	0.00056		
Mercury, dissolved	0.0000050	mg/L	<0.0000050		
Molybdenum, dissolved	0.000050	mg/L	0.0272		
Nickel, dissolved	0.00050	mg/L	0.00071	0.0095	
Phosphorus, dissolved	0.050	mg/L	0.111		
Potassium, dissolved	0.050	mg/L	4.69		
Rubidium, dissolved	0.00020	mg/L	0.00123		
Selenium, dissolved	0.000050	mg/L	<0.000050		
Silicon, dissolved	0.050	mg/L	9.55		
Silver, dissolved	0.000010	mg/L	<0.000010		
Sodium, dissolved	0.050	mg/L	67.5		
Strontium, dissolved	0.00020	mg/L	0.0114		
Sulfur, dissolved	0.50	mg/L	1.58		
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	0.00037		
Tungsten, dissolved	0.00010	mg/L	0.00020		
Uranium, dissolved	0.000010	mg/L	<0.000010		
Vanadium, dissolved	0.00050	mg/L	0.00487		
Zinc, dissolved	0.0010	mg/L	0.0075	0.00879	
Zirconium, dissolved	0.00020	mg/L	<0.00020		
Dissolved mercury filtration location			Field		
Dissolved metals filtration location			Field		
<b>Aggregate Organics (Matrix: Water)</b>					
Phenols, total (4AAP)	0.0010	mg/L	<0.0010		
<b>Volatile Organic Compounds (Matrix: Water)</b>					
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		



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Dichlorobenzene, 1,4-	0.50	µg/L	<0.50		
Dichloropropane, 1,2-	0.50	µg/L	<0.50		
Dichloropropylene, cis+trans-1,3-	0.75	µg/L	<0.75		
Dichloropropylene, cis-1,3-	0.50	µg/L	<0.50		
Tetrachloroethane, 1,1,1,2-	0.50	µg/L	<0.50		
Tetrachloroethane, 1,1,2,2-	0.20	µg/L	<0.20		
Trichloroethane, 1,1,2-	0.50	µg/L	<0.50		
Trichlorofluoromethane	0.50	µg/L	<0.50		
<b>Volatile Organic Compounds [Drycleaning] (Matrix: Water)</b>					
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		
<b>Volatile Organic Compounds [Fuels] (Matrix: Water)</b>					
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		
<b>Volatile Organic Compounds [THMs] (Matrix: Water)</b>					
Bromodichloromethane	0.50	µg/L	<0.50		



## Eagle Mountain- Woodfibre Gas Pipeline Project- Tunnel Scope

<b>Title</b>	<b>BC Rail Batch Water Discharge Report</b>	<b>Revision:</b>	<b>0</b>
<b>Date</b>	<b>October 15, 2025</b>	<b>Prepared by:</b> <b>Reviewed by:</b> <b>Date:</b>	<b>SD</b> <b>BC1</b> <b>October 16, 2025</b>

Bromoform	0.50	µg/L	<0.50		
Chloroform	0.50	µg/L	<0.50		
Dibromochloromethane	0.50	µg/L	<0.50		
<b>Hydrocarbons (Matrix: Water)</b>					
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		
<b>Hydrocarbons Surrogates (Matrix: Water)</b>					
Bromobenzotrifluoride, 2- (EPH surrogate)	1.0	%	82.9		
Dichlorotoluene, 3,4-	1.0	%	95.8		
<b>Volatile Organic Compounds Surrogates (Matrix: Water)</b>					
Bromofluorobenzene, 4-	1.0	%	95.8		
Difluorobenzene, 1,4-	1.0	%	99.4		
<b>Polycyclic Aromatic Hydrocarbons (Matrix: Water)</b>					
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		



**Eagle Mountain- Woodfibre Gas Pipeline Project- Tunnel Scope**

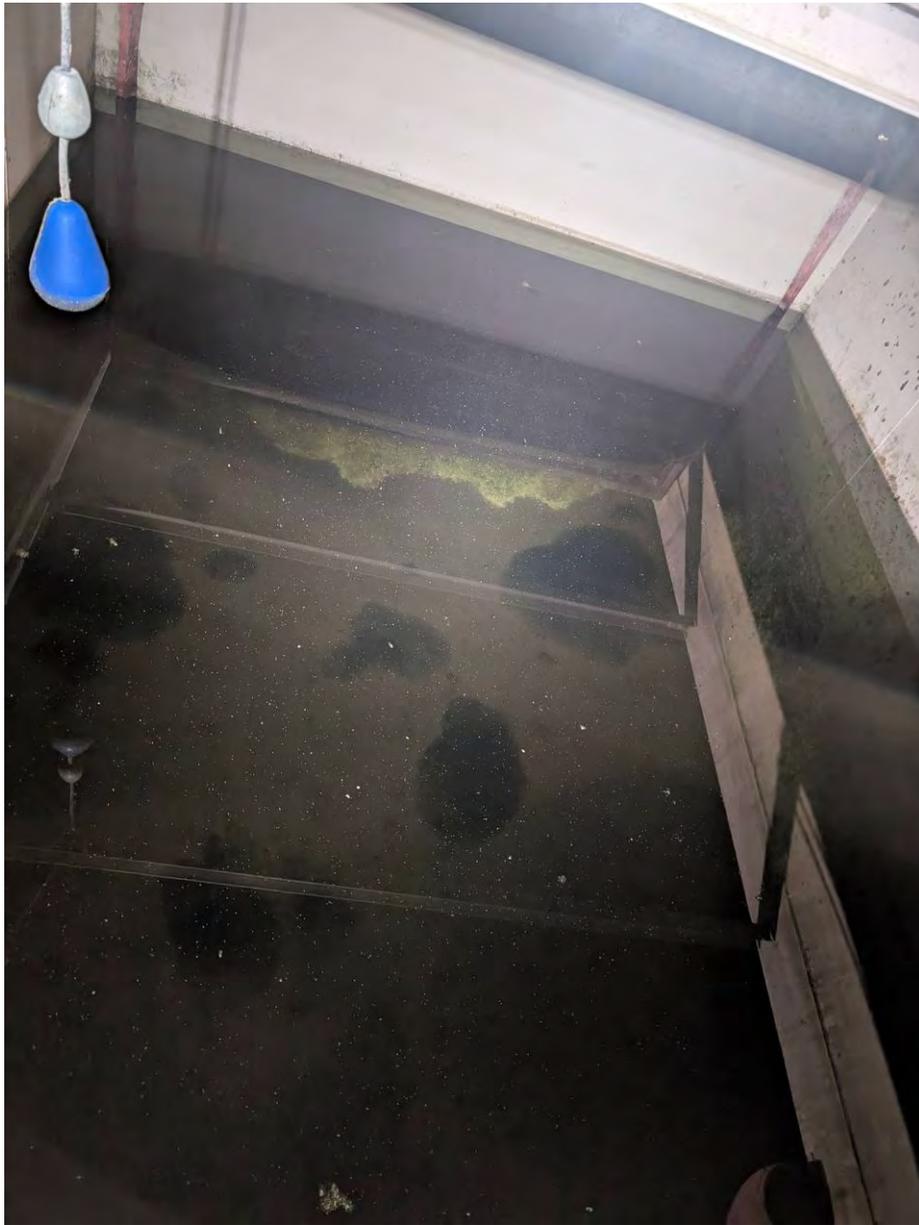
<b>Title</b>	<b>BC Rail Batch Water Discharge Report</b>	<b>Revision:</b>	<b>0</b>
<b>Date</b>	<b>October 15, 2025</b>	<b>Prepared by:</b> <b>Reviewed by:</b> <b>Date:</b>	<b>SD</b> <b>BC1</b> <b>October 16, 2025</b>

Methylnaphthalene, 1-	0.010	µg/L	<0.010		
Methylnaphthalene, 2-	0.010	µg/L	<0.010		
Naphthalene	0.050	µg/L	<0.050		
Phenanthrene	0.020	µg/L	<0.020		
Pyrene	0.010	µg/L	<0.010		
Quinoline	0.050	µg/L	<0.050		
<b>Polycyclic Aromatic Hydrocarbons Surrogates (Matrix: Water)</b>					
Chrysene-d12	0.1	%	94.0		
Naphthalene-d8	0.1	%	100		
Phenanthrene-d10	0.1	%	102		
<b>Glycols (Matrix: Water)</b>					
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		

<b>Title</b>	<b>BC Rail Batch Water Discharge Report</b>	<b>Revision:</b>	<b>0</b>
<b>Date</b>	<b>October 15, 2025</b>	<b>Prepared by:</b> <b>Reviewed by:</b> <b>Date:</b>	<b>SD</b> <b>BC1</b> <b>October 16, 2025</b>

**Photo:**

**Photo 1: No visible sheen observed in the WTP water, October 15, 09:00 pm**



 <b>Eagle Mountain - Woodfibre Gas Pipeline Project Waste Discharge Permit PE-110163 Report</b>	Reporting Week	Oct 13 <sup>th</sup> to Oct 19 <sup>th</sup> , 2025
	Report #	82
	Appendix B	B-1

## Appendix B: BCR Site Receiving Environment Documentation

 <b>Eagle Mountain - Woodfibre Gas Pipeline Project Waste Discharge Permit PE-110163 Report</b>	Reporting Week	Oct 13 <sup>th</sup> to Oct 19 <sup>th</sup> , 2025
	Report #	82
	Appendix B	B-2

## BCR Site Receiving Environment Sample Analysis



Analyte	Unit	BC Approved Water Quality	BC Approved Water Quality	BC Working Water Quality	BC Approved Water Quality	BC Approved Water Quality	BC Working Water Quality	SQU US	SQU DS
		Guideline - Freshwater Aquatic Life - Long Term Average	Guideline - Freshwater Aquatic Life - Short Term Max	Guideline - Freshwater Aquatic Life - Long Term Average	Guideline - Marine Aquatic Life Long Term Average	Guideline - Marine Aquatic Life Short Term Max	Guideline - Marine Aquatic Life Long Term Average	2025-10-14 13:34:00	2025-10-14 13:49:00
<b>In situ Parameters</b>									
Field pH	pH Units		6.5 - 9			7 - 8.7		7.02	7.03
Field Temperature	°C	18	19					10.7	8.6
<b>General Parameters</b>									
pH	pH Units							6.55	6.55
Alkalinity (Total as CaCO <sub>3</sub> )	mg/L							15	15
Alkalinity (PP as CaCO <sub>3</sub> )	mg/L							<1	<1
Hardness (CaCO <sub>3</sub> )-Total	mg/L							18.9	18.6
Hardness (CaCO <sub>3</sub> )-Dissolved	mg/L							17.6	16.7
Sulphide-Total	mg/L							<0.0018	<0.0018
Sulphide (as H <sub>2</sub> S)	mg/L			0.002				<0.002	<0.002
<b>Anions and Nutrients</b>									
Ammonia (N)-Total	mg/L	1.83	18.9		20	131		0.045	0.037
Bicarbonate (HCO <sub>3</sub> )	mg/L							18	19
Carbonate (CO <sub>3</sub> )	mg/L							<1	<1
Hydroxide (OH)	mg/L							<1	<1
Nitrate (N)	mg/L	3	32.8		3.7			0.055	0.044
Nitrite (N)	mg/L	0.02	0.06					<0.005	<0.005
Nitrate plus Nitrite (N)	mg/L							0.055	0.044
Nitrogen (N)-Total	mg/L							0.62	0.208
Phosphorus (P)-Total (4500-P)	mg/L							0.029	0.056
Bromide (Br)	mg/L							<0.01	<0.01
Chloride (Cl)	mg/L	150	600					1.5	1.5
Fluoride (F)	mg/L		0.658			1.5		<0.05	<0.05
Sulphate (SO <sub>4</sub> )-Dissolved	mg/L	128						4.8	4.6

<sup>1</sup> Guideline calculated using the in-situ measurements (pH (field), Temperature (field), Turbidity (field), Hardness (as CaCO<sub>3</sub>) – total, Dissolved Organic Carbon (DOC), Total Alkalinity (CaCO<sub>3</sub>), and Chloride).

<sup>2</sup> 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.

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



Analyte	Unit	BC Approved Water Quality	BC Approved Water Quality	BC Working Water Quality	BC Approved Water Quality	BC Approved Water Quality	BC Working Water Quality	SQU US	SQU DS
		Guideline - Freshwater Aquatic Life - Long Term Average	Guideline - Freshwater Aquatic Life - Short Term Max	Guideline - Freshwater Aquatic Life - Long Term Average	Guideline - Marine Aquatic Life Long Term Average	Guideline - Marine Aquatic Life Short Term Max	Guideline - Marine Aquatic Life Long Term Average	2025-10-14 13:34:00	2025-10-14 13:49:00
<b>Total Metals</b>									
Aluminum (Al)-Total	mg/L	0.046772						<b>0.271</b>	<b>0.318</b>
Antimony (Sb)-Total	mg/L	0.074	0.25					<0.00002	0.000033
Arsenic (As)-Total	mg/L	0.005			0.0125			0.00021	0.000207
Barium (Ba)-Total	mg/L			1				0.0117	0.0133
Beryllium (Be)-Total	mg/L			0.00013			0.1	<0.00001	<0.00001
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	0.0000069	0.0000085
Calcium (Ca)-Total	mg/L							6.25	6.12
Cesium (Cs)-Total	mg/L							<0.00005	<0.00005
Chromium (Cr)-Total	mg/L							0.00013	0.00018
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							0.000164	0.000194
Copper (Cu)-Total	mg/L				0.002		0.003	0.00105	0.00114
Iron (Fe)-Total	mg/L		1					0.303	0.368
Lead (Pb)-Total	mg/L				0.002		0.14	0.000053	0.000061
Lithium (Li)-Total	mg/L							0.00117	0.00133
Magnesium (Mg)-Total	mg/L							0.79	0.82
Manganese (Mn)-Total	mg/L	0.687	0.745				0.1	0.0168	0.0195
Mercury (Hg)-Total	mg/L	0.00002			0.00002			<0.0000019	<0.0000019
Molybdenum (Mo)-Total	mg/L	7.6	46					0.000579	0.000547
Nickel (Ni)-Total	mg/L						0.0083	0.00022	0.00024
Phosphorus (P)-Total (ICPMS)	mg/L							0.0229	0.0225
Potassium (K)-Total	mg/L							0.71	0.77
Rubidium (Rb)-Total	mg/L							0.00133	0.00145
Selenium (Se)-Total	mg/L	0.002			0.002			<0.00004	<0.00004
Silicon (Si)-Total	mg/L							5.54	5.03
Silver (Ag)-Total	mg/L	0.00012			0.0005		0.0037	<0.00001	<0.00001
Sodium (Na)-Total	mg/L							2.38	2.51
Strontium (Sr)-Total	mg/L							0.0411	0.0411
Sulphur (S)-Total	mg/L							<3	<3
Tellurium (Te)-Total	mg/L							<0.00002	<0.00002
Thallium (Tl)-Total	mg/L			0.00003				0.0000046	0.0000063
Thorium (Th)-Total	mg/L							<0.00005	<0.00005
Tin (Sn)-Total	mg/L							<0.0002	<0.0002
Titanium (Ti)-Total	mg/L							0.0144	0.0184
Uranium (U)-Total	mg/L		0.0165	0.0075				0.0000363	0.0000385
Vanadium (V)-Total	mg/L			0.06			0.005	0.00176	0.00183
Zinc (Zn)-Total	mg/L				0.01		0.055	0.0016	0.0016
Zirconium (Zr)-Total	mg/L							<0.0001	<0.0001

<sup>1</sup> Guideline calculated using the in-situ measurements (pH (field), Temperature (field), Turbidity (field), Hardness (as CaCO<sub>3</sub>) – total, Dissolved Organic Carbon (DOC), Total Alkalinity (CaCO<sub>3</sub>), and Chloride).  
<sup>2</sup> 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.  
<sup>3</sup> **Bold text** denotes value exceeding guidelines, except in cases where they are below a station-specific guideline that isn't displayed as per <sup>1</sup> and <sup>2</sup> above. Note: Not all exceedances are project related.



Analyte	Unit	BC Approved Water Quality	BC Approved Water Quality	BC Working Water Quality	BC Approved Water Quality	BC Approved Water Quality	BC Working Water Quality	SQU US	SQU DS
		Guideline - Freshwater Aquatic Life - Long Term Average	Guideline - Freshwater Aquatic Life - Short Term Max	Guideline - Freshwater Aquatic Life - Long Term Average	Guideline - Marine Aquatic Life Long Term Average	Guideline - Marine Aquatic Life Short Term Max	Guideline - Marine Aquatic Life Long Term Average	2025-10-14 13:34:00	2025-10-14 13:49:00
<b>Dissolved Metals</b>									
Aluminum (Al)-Dissolved	mg/L							0.0223	0.0221
Antimony (Sb)-Dissolved	mg/L							<0.00002	<0.00002
Arsenic (As)-Dissolved	mg/L							0.000136	0.000132
Barium (Ba)-Dissolved	mg/L							0.00794	0.00807
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	0.000061	0.000104					0.0000082	0.0000051
Calcium (Ca)-Dissolved	mg/L							5.96	5.65
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						0.0000544	0.0000548
Copper (Cu)-Dissolved	mg/L	0.00022	0.00141					<b>0.000515</b>	<b>0.00049</b>
Iron (Fe)-Dissolved	mg/L		0.35					0.0532	0.0535
Lead (Pb)-Dissolved	mg/L	0.001517						0.0000062	0.0000069
Lithium (Li)-Dissolved	mg/L							0.0013	0.00144
Manganese (Mn)-Dissolved	mg/L							0.0101	0.0112
Magnesium (Mg)-Dissolved	mg/L							0.667	0.633
Mercury (Hg)-Dissolved	mg/L							<0.0000019	<0.0000019
Molybdenum (Mo)-Dissolved	mg/L							0.00055	0.000535
Nickel (Ni)-Dissolved	mg/L	0.0006	0.0095					0.000103	0.000095
Phosphorus (P)-Dissolved	mg/L							0.0105	0.0063
Potassium (K)-Dissolved	mg/L							0.655	0.66
Rubidium (Rb)-Dissolved	mg/L							0.000997	0.000995
Selenium (Se)-Dissolved	mg/L							<0.00004	<0.00004
Silicon (Si)-Dissolved	mg/L							4.57	4.24
Silver (Ag)-Dissolved	mg/L							<0.000005	<0.000005
Sodium (Na)-Dissolved	mg/L							2.32	2.3
Strontium (Sr)-Dissolved	mg/L			1.25				0.0403	0.0374
Sulphur (S)-Dissolved	mg/L							<3	<3
Tellurium (Te)-Dissolved	mg/L							<0.00002	<0.00002
Thallium (Tl)-Dissolved	mg/L							0.0000027	0.0000025
Thorium (Th)-Dissolved	mg/L							0.0000072	0.0000057
Tin (Sn)-Dissolved	mg/L							<0.0002	<0.0002
Titanium (Ti)-Dissolved	mg/L							<0.0005	<0.0005
Uranium (U)-Dissolved	mg/L							0.0000237	0.0000241
Vanadium (V)-Dissolved	mg/L							0.00131	0.00114
Zinc (Zn)-Dissolved	mg/L	0.003407	0.009882					0.00052	0.00033
Zirconium (Zr)-Dissolved	mg/L							<0.0001	<0.0001

<sup>1</sup> Guideline calculated using the in-situ measurements (pH (field), Temperature (field), Turbidity (field), Hardness (as CaCO<sub>3</sub>) – total, Dissolved Organic Carbon (DOC), Total Alkalinity (CaCO<sub>3</sub>), and Chloride).

<sup>2</sup> 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.

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



Analyte	Unit	BC Approved Water Quality	BC Approved Water Quality	BC Working Water Quality	BC Approved Water Quality	BC Approved Water Quality	BC Working Water Quality	SQU US	SQU DS
		Guideline - Freshwater Aquatic Life - Long Term Average	Guideline - Freshwater Aquatic Life - Short Term Max	Guideline - Freshwater Aquatic Life - Long Term Average	Guideline - Marine Aquatic Life Long Term Average	Guideline - Marine Aquatic Life Short Term Max	Guideline - Marine Aquatic Life Long Term Average	2025-10-14 13:34:00	2025-10-14 13:49:00
<b>Inorganics</b>									
Organic Carbon (C)-Total	mg/L							1.2	1
Organic Carbon (C)-Dissolved	mg/L							1.2	1.1
Solids-Total Dissolved	mg/L							24	16
Solids-Total Suspended	mg/L	17	37					12	<b>67</b>

<sup>1</sup> Guideline calculated using the in-situ measurements (pH (field), Temperature (field), Turbidity (field), Hardness (as CaCO<sub>3</sub>) – total, Dissolved Organic Carbon (DOC), Total Alkalinity (CaCO<sub>3</sub>), and Chloride).  
<sup>2</sup> 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.  
<sup>3</sup> **Bold text** denotes value exceeding guidelines, except in cases where they are below a station-specific guideline that isn't displayed as per <sup>1</sup> and <sup>2</sup> above. Note: Not all exceedances are project related.

 <b>Eagle Mountain - Woodfibre Gas Pipeline Project Waste Discharge Permit PE-110163 Report</b>	Reporting Week	Oct 13 <sup>th</sup> to Oct 19 <sup>th</sup> , 2025
	Report #	82
	Appendix B	B-3

## BCR Site Receiving Environment Field Notes and Logs

# Water Quality Field Data Sheet



Hatfield

Project: FORTIS11234

## Location Information

Site ID: SQU DS Date: October 14, 2025  
Site Name: Squamish River Time: 13:49  
Site UTM: Zone: E: \_\_\_\_\_ Crew: HM  
(NAD83) N: \_\_\_\_\_ Weather: Clear

## In Situ Parameters

pH: 7.03 DO: - (mg/L)  
Temp.: 8.6 (°C) Cond: 59 (us)  
Turbidity: 14.3 NTU  
Visible Sheen: N  
Water Surface Condition: Turbid

## Photo Record

Photo



## Observations

Slow flow.

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# Water Quality Field Data Sheet



Hatfield

Project: FORTIS11234

## Location Information

Site ID: SQU US Date: October 14, 2025  
Site Name: Squamish River Time: 13:34  
Site UTM: Zone: E: \_\_\_\_\_ Crew: HM  
(NAD83) N: \_\_\_\_\_ Weather: Clear

## In Situ Parameters

pH: 7.02 DO: - (mg/L)  
Temp.: 10.7 (°C) Cond: 66 (us)  
Turbidity: 13.3 NTU

Visible Sheen: N

Water Surface Condition: Turbid

## Photo Record

Photo



## Observations

Slow flow

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Squamish River								
Station	Date/Time	Temperature (C)	Specific Conductivity (µS/cm)	ORP (V)	pH (pH units)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	Salinity (PSU)
SQU-DS	2025-10-13 00:00:00	8.14	103.16	-0.28	6.76	0.00	2.44	0.05
SQU-DS	2025-10-13 00:15:00	8.14	103.07	-0.28	6.75	0.00	2.39	0.05
SQU-DS	2025-10-13 00:30:00	8.15	102.95	-0.28	6.75	0.00	2.42	0.05
SQU-DS	2025-10-13 00:45:00	8.16	102.83	-0.28	6.75	0.00	2.45	0.05
SQU-DS	2025-10-13 01:00:00	8.16	102.65	-0.29	6.75	0.00	2.42	0.05
SQU-DS	2025-10-13 01:15:00	8.17	102.43	-0.29	6.75	0.00	2.39	0.05
SQU-DS	2025-10-13 01:30:00	8.17	102.18	-0.29	6.75	0.00	2.43	0.05
SQU-DS	2025-10-13 01:45:00	8.17	101.91	-0.30	6.75	0.00	2.40	0.05
SQU-DS	2025-10-13 02:00:00	8.16	101.64	-0.30	6.75	0.00	2.40	0.05
SQU-DS	2025-10-13 02:15:00	8.15	101.31	-0.30	6.75	0.00	2.36	0.05
SQU-DS	2025-10-13 02:30:00	8.14	100.99	-0.30	6.75	0.00	2.41	0.05
SQU-DS	2025-10-13 02:45:00	8.13	100.70	-0.30	6.75	0.00	2.39	0.05
SQU-DS	2025-10-13 03:00:00	8.12	100.42	-0.30	6.75	0.00	2.38	0.05
SQU-DS	2025-10-13 03:15:00	8.10	100.19	-0.30	6.75	0.00	2.37	0.05
SQU-DS	2025-10-13 03:30:00	8.09	99.99	-0.30	6.76	0.00	2.39	0.05
SQU-DS	2025-10-13 03:45:00	8.07	99.80	-0.31	6.76	0.00	2.38	0.05
SQU-DS	2025-10-13 04:00:00	8.06	99.66	-0.31	6.76	0.00	2.41	0.05
SQU-DS	2025-10-13 04:15:00	8.04	99.53	-0.31	6.76	0.00	2.38	0.05
SQU-DS	2025-10-13 04:30:00	8.03	99.45	-0.31	6.76	0.00	2.43	0.05
SQU-DS	2025-10-13 04:45:00	8.01	99.39	-0.31	6.76	0.00	2.38	0.05
SQU-DS	2025-10-13 05:00:00	8.00	99.35	-0.31	6.76	0.00	2.37	0.05
SQU-DS	2025-10-13 05:15:00	7.98	99.34	-0.31	6.76	0.00	2.39	0.05
SQU-DS	2025-10-13 05:30:00	7.97	99.38	-0.31	6.76	0.00	2.39	0.05
SQU-DS	2025-10-13 05:45:00	7.95	99.43	-0.31	6.76	0.00	2.40	0.05
SQU-DS	2025-10-13 06:00:00	7.93	99.50	-0.31	6.76	0.00	2.39	0.05
SQU-DS	2025-10-13 06:15:00	7.91	99.59	-0.31	6.76	0.00	2.41	0.05
SQU-DS	2025-10-13 06:30:00	7.90	99.67	-0.31	6.77	0.00	2.40	0.05
SQU-DS	2025-10-13 06:45:00	7.88	99.82	-0.31	6.77	0.00	2.37	0.05
SQU-DS	2025-10-13 07:00:00	7.86	99.94	-0.31	6.77	0.00	2.35	0.05
SQU-DS	2025-10-13 07:15:00	7.84	100.06	-0.31	6.77	0.00	2.41	0.05
SQU-DS	2025-10-13 07:30:00	7.82	100.19	-0.31	6.77	0.00	2.40	0.05
SQU-DS	2025-10-13 07:45:00	7.80	100.34	-0.31	6.77	0.00	2.41	0.05
SQU-DS	2025-10-13 08:00:00	7.78	100.48	-0.31	6.77	0.00	2.41	0.05
SQU-DS	2025-10-13 08:15:00	7.77	100.62	-0.31	6.77	0.00	2.42	0.05
SQU-DS	2025-10-13 08:30:00	7.76	100.77	-0.31	6.77	0.00	2.28	0.05
SQU-DS	2025-10-13 08:45:00	7.74	100.87	-0.31	6.77	0.00	2.32	0.05
SQU-DS	2025-10-13 09:00:00	7.73	101.93	-0.31	6.77	0.00	2.35	0.05
SQU-DS	2025-10-13 09:15:00	7.72	101.64	-0.31	6.77	0.00	2.38	0.05
SQU-DS	2025-10-13 09:30:00	7.71	101.64	-0.31	6.77	0.00	2.33	0.05
SQU-DS	2025-10-13 09:45:00	7.71	101.66	-0.31	6.77	0.00	2.34	0.05
SQU-DS	2025-10-13 10:00:00	7.70	101.71	-0.31	6.77	0.00	2.37	0.05
SQU-DS	2025-10-13 10:15:00	7.69	101.79	-0.31	6.77	0.00	2.34	0.05
SQU-DS	2025-10-13 10:30:00	7.67	101.97	-0.31	6.78	0.00	2.33	0.05
SQU-DS	2025-10-13 10:45:00	7.65	102.19	-0.31	6.78	0.00	2.35	0.05
SQU-DS	2025-10-13 11:00:00	7.61	102.44	-0.31	6.79	0.00	2.37	0.05
SQU-DS	2025-10-13 11:15:00	7.56	102.66	-0.31	6.79	0.00	2.38	0.05
SQU-DS	2025-10-13 11:30:00	7.51	102.94	-0.31	6.79	0.00	2.36	0.05
SQU-DS	2025-10-13 11:45:00	7.46	103.16	-0.31	6.79	0.00	2.33	0.05
SQU-DS	2025-10-13 12:00:00	7.42	103.44	-0.30	6.78	0.00	2.35	0.05
SQU-DS	2025-10-13 12:15:00	7.38	103.70	-0.30	6.78	0.00	2.35	0.05
SQU-DS	2025-10-13 12:30:00	7.34	103.94	-0.30	6.77	0.00	2.34	0.05

Squamish River								
Station	Date/Time	Temperature (C)	Specific Conductivity (µS/cm)	ORP (V)	pH (pH units)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	Salinity (PSU)
SQU-DS	2025-10-13 12:45:00	7.32	104.15	-0.30	6.77	0.00	2.38	0.05
SQU-DS	2025-10-13 13:00:00	7.31	104.31	-0.29	6.76	0.00	2.36	0.05
SQU-DS	2025-10-13 13:15:00	7.32	104.47	-0.29	6.76	0.00	2.38	0.05
SQU-DS	2025-10-13 13:30:00	7.33	104.63	-0.29	6.76	0.00	2.33	0.05
SQU-DS	2025-10-13 13:45:00	7.34	104.73	-0.29	6.76	0.00	2.38	0.05
SQU-DS	2025-10-13 14:00:00	7.37	104.83	-0.29	6.75	0.00	2.38	0.05
SQU-DS	2025-10-13 14:15:00	7.39	104.91	-0.29	6.76	0.00	2.32	0.05
SQU-DS	2025-10-13 14:30:00	7.43	104.96	-0.29	6.76	0.00	2.34	0.05
SQU-DS	2025-10-13 14:45:00	7.46	105.04	-0.29	6.76	0.00	2.35	0.05
SQU-DS	2025-10-13 15:00:00	7.49	105.08	-0.29	6.76	0.00	2.23	0.05
SQU-DS	2025-10-13 15:15:00	7.52	105.07	-0.29	6.76	0.00	2.28	0.05
SQU-DS	2025-10-13 15:30:00	7.55	105.08	-0.30	6.76	0.00	2.24	0.05
SQU-DS	2025-10-13 15:45:00	7.58	105.07	-0.30	6.76	0.00	2.25	0.05
SQU-DS	2025-10-13 16:00:00	7.61	105.03	-0.30	6.76	0.00	2.23	0.05
SQU-DS	2025-10-13 16:15:00	7.64	104.98	-0.30	6.76	0.00	2.23	0.05
SQU-DS	2025-10-13 16:30:00	7.67	104.93	-0.30	6.76	0.00	2.23	0.05
SQU-DS	2025-10-13 16:45:00	7.69	104.90	-0.31	6.76	0.00	2.22	0.05
SQU-DS	2025-10-13 17:00:00	7.71	104.86	-0.31	6.76	0.00	2.24	0.05
SQU-DS	2025-10-13 17:15:00	7.73	104.80	-0.31	6.76	0.00	2.20	0.05
SQU-DS	2025-10-13 17:30:00	7.74	104.73	-0.31	6.75	0.00	2.19	0.05
SQU-DS	2025-10-13 17:45:00	7.76	104.70	-0.31	6.75	0.00	2.20	0.05
SQU-DS	2025-10-13 18:00:00	7.76	104.68	-0.31	6.75	0.00	2.21	0.05
SQU-DS	2025-10-13 18:15:00	7.77	104.67	-0.31	6.75	0.00	2.17	0.05
SQU-DS	2025-10-13 18:30:00	7.78	104.69	-0.31	6.75	0.00	2.20	0.05
SQU-DS	2025-10-13 18:45:00	7.78	104.67	-0.32	6.75	0.00	2.20	0.05
SQU-DS	2025-10-13 19:00:00	7.79	104.70	-0.32	6.75	0.00	2.23	0.05
SQU-DS	2025-10-13 19:15:00	7.80	104.71	-0.32	6.75	0.00	2.21	0.05
SQU-DS	2025-10-13 19:30:00	7.81	104.75	-0.32	6.75	0.00	2.24	0.05
SQU-DS	2025-10-13 19:45:00	7.81	104.80	-0.32	6.75	0.00	2.19	0.05
SQU-DS	2025-10-13 20:00:00	7.81	104.85	-0.32	6.75	0.00	2.15	0.05
SQU-DS	2025-10-13 20:15:00	7.81	104.86	-0.32	6.75	0.00	2.23	0.05
SQU-DS	2025-10-13 20:30:00	7.81	104.88	-0.32	6.76	0.00	2.22	0.05
SQU-DS	2025-10-13 20:45:00	7.81	104.90	-0.32	6.76	0.00	2.25	0.05
SQU-DS	2025-10-13 21:00:00	7.80	104.90	-0.32	6.76	0.00	2.20	0.05
SQU-DS	2025-10-13 21:15:00	7.79	104.89	-0.32	6.76	0.00	2.22	0.05
SQU-DS	2025-10-13 21:30:00	7.78	104.84	-0.32	6.76	0.00	2.22	0.05
SQU-DS	2025-10-13 21:45:00	7.77	104.80	-0.32	6.76	0.00	2.20	0.05
SQU-DS	2025-10-13 22:00:00	7.76	104.76	-0.32	6.76	0.00	2.21	0.05
SQU-DS	2025-10-13 22:15:00	7.75	104.70	-0.32	6.76	0.00	2.20	0.05
SQU-DS	2025-10-13 22:30:00	7.74	104.62	-0.32	6.76	0.00	2.24	0.05
SQU-DS	2025-10-13 22:45:00	7.73	104.57	-0.32	6.76	0.00	2.22	0.05
SQU-DS	2025-10-13 23:00:00	7.72	104.45	-0.32	6.76	0.00	2.21	0.05
SQU-DS	2025-10-13 23:15:00	7.71	104.34	-0.32	6.76	0.00	2.18	0.05
SQU-DS	2025-10-13 23:30:00	7.71	104.21	-0.33	6.76	0.00	2.21	0.05
SQU-DS	2025-10-13 23:45:00	7.71	104.02	-0.33	6.75	0.00	2.21	0.05
SQU-DS	2025-10-14 00:00:00	7.72	103.82	-0.33	6.75	0.00	2.19	0.05
SQU-DS	2025-10-14 00:15:00	7.73	103.57	-0.33	6.75	0.00	2.22	0.05
SQU-DS	2025-10-14 00:30:00	7.74	103.27	-0.33	6.74	0.00	2.08	0.05
SQU-DS	2025-10-14 00:45:00	7.77	102.94	-0.33	6.74	0.00	2.01	0.05
SQU-DS	2025-10-14 01:00:00	7.79	102.60	-0.33	6.73	0.00	1.93	0.05
SQU-DS	2025-10-14 01:15:00	7.85	101.94	-0.33	6.72	0.00	1.93	0.05

Squamish River								
Station	Date/Time	Temperature (C)	Specific Conductivity (µS/cm)	ORP (V)	pH (pH units)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	Salinity (PSU)
SQU-DS	2025-10-14 01:30:00	7.99	101.40	-0.33	6.72	0.00	1.96	0.05
SQU-DS	2025-10-14 01:45:00	8.16	101.29	-0.33	6.74	0.00	1.95	0.05
SQU-DS	2025-10-14 02:00:00	8.25	101.21	-0.33	6.75	0.00	1.93	0.05
SQU-DS	2025-10-14 02:15:00	8.29	101.09	-0.33	6.75	0.00	1.93	0.05
SQU-DS	2025-10-14 02:30:00	8.31	100.96	-0.33	6.74	0.00	1.93	0.05
SQU-DS	2025-10-14 02:45:00	8.32	100.80	-0.33	6.74	0.00	1.93	0.05
SQU-DS	2025-10-14 03:00:00	8.32	100.71	-0.33	6.73	0.00	1.93	0.05
SQU-DS	2025-10-14 03:15:00	8.31	100.61	-0.33	6.72	0.00	1.96	0.05
SQU-DS	2025-10-14 03:30:00	8.30	100.55	-0.34	6.71	0.00	1.92	0.05
SQU-DS	2025-10-14 03:45:00	8.29	100.53	-0.33	6.70	0.00	1.87	0.05
SQU-DS	2025-10-14 04:00:00	8.28	100.59	-0.33	6.69	0.00	1.83	0.05
SQU-DS	2025-10-14 04:15:00	8.25	100.65	-0.33	6.68	0.00	1.80	0.05
SQU-DS	2025-10-14 04:30:00	8.21	100.73	-0.33	6.67	0.00	1.85	0.05
SQU-DS	2025-10-14 04:45:00	8.17	100.82	-0.33	6.66	0.00	1.86	0.05
SQU-DS	2025-10-14 05:00:00	8.13	100.88	-0.33	6.66	0.00	1.81	0.05
SQU-DS	2025-10-14 05:15:00	8.09	100.95	-0.33	6.65	0.00	1.83	0.05
SQU-DS	2025-10-14 05:30:00	8.05	101.04	-0.33	6.64	0.00	1.84	0.05
SQU-DS	2025-10-14 05:45:00	8.01	101.08	-0.33	6.64	0.00	1.77	0.05
SQU-DS	2025-10-14 06:00:00	7.96	101.13	-0.33	6.63	0.00	1.80	0.05
SQU-DS	2025-10-14 06:15:00	7.92	101.13	-0.33	6.63	0.00	1.84	0.05
SQU-DS	2025-10-14 06:30:00	7.88	101.17	-0.33	6.62	0.00	1.82	0.05
SQU-DS	2025-10-14 06:45:00	7.84	101.21	-0.33	6.62	0.00	1.83	0.05
SQU-DS	2025-10-14 07:00:00	7.81	101.25	-0.33	6.61	0.00	1.82	0.05
SQU-DS	2025-10-14 07:15:00	7.78	101.29	-0.33	6.61	0.00	1.85	0.05
SQU-DS	2025-10-14 07:30:00	7.76	101.29	-0.33	6.61	0.00	1.80	0.05
SQU-DS	2025-10-14 07:45:00	7.73	101.32	-0.33	6.60	0.00	1.82	0.05
SQU-DS	2025-10-14 08:00:00	7.70	101.30	-0.33	6.60	0.00	1.60	0.05
SQU-DS	2025-10-14 08:15:00	7.68	101.24	-0.33	6.60	0.00	1.45	0.05
SQU-DS	2025-10-14 08:30:00	7.67	101.20	-0.33	6.60	0.00	1.42	0.05
SQU-DS	2025-10-14 08:45:00	7.66	101.16	-0.33	6.59	0.00	1.37	0.05
SQU-DS	2025-10-14 09:00:00	7.65	101.14	-0.33	6.59	0.00	1.38	0.05
SQU-DS	2025-10-14 09:15:00	7.67	101.09	-0.33	6.59	0.00	1.37	0.05
SQU-DS	2025-10-14 09:30:00	7.70	101.03	-0.33	6.59	0.00	1.39	0.05
SQU-DS	2025-10-14 09:45:00	7.75	100.97	-0.33	6.59	0.00	1.38	0.05
SQU-DS	2025-10-14 10:00:00	7.80	100.91	-0.33	6.59	0.00	1.35	0.05
SQU-DS	2025-10-14 10:15:00	7.86	100.84	-0.33	6.59	0.00	1.34	0.05
SQU-DS	2025-10-14 10:30:00	7.91	100.83	-0.33	6.59	0.00	1.32	0.05
SQU-DS	2025-10-14 10:45:00	7.96	100.81	-0.33	6.60	0.00	1.34	0.05
SQU-DS	2025-10-14 11:00:00	7.96	100.60	-0.33	6.63	0.00	1.34	0.05
SQU-DS	2025-10-14 11:15:00	7.87	100.56	-0.33	6.64	0.00	1.40	0.05
SQU-DS	2025-10-14 11:30:00	7.50	91.25	-0.33	6.58	0.13	8.06	0.04
SQU-DS	2025-10-14 11:45:00	6.46	89.44	-0.31	6.64	0.01	1.61	0.04
SQU-DS	2025-10-14 12:00:00	6.29	87.78	-0.31	6.65	0.00	1.61	0.04
SQU-DS	2025-10-14 12:15:00	6.27	86.99	-0.29	6.66	0.02	1.50	0.04
SQU-DS	2025-10-14 12:30:00	6.29	86.46	-0.28	6.66	0.05	1.53	0.04
SQU-DS	2025-10-14 12:45:00	6.32	86.02	-0.28	6.67	0.07	1.50	0.04
SQU-DS	2025-10-14 13:00:00	6.36	85.51	-0.27	6.67	0.10	1.49	0.04
SQU-DS	2025-10-14 13:15:00	6.42	84.80	-0.26	6.67	0.14	1.53	0.04
SQU-DS	2025-10-14 13:30:00	6.47	84.69	-0.26	6.68	0.20	1.51	0.04
SQU-DS	2025-10-14 13:45:00	6.56	83.93	-0.25	6.63	0.89	117.13	0.04
SQU-DS	2025-10-14 14:00:00	6.60	51.61	0.20	7.28	11.04	11.70	0.02

Squamish River								
Station	Date/Time	Temperature (C)	Specific Conductivity (µS/cm)	ORP (V)	pH (pH units)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	Salinity (PSU)
SQU-DS	2025-10-14 14:15:00	6.68	52.41	0.21	7.26	11.07	13.04	0.02
SQU-DS	2025-10-14 14:30:00	6.76	53.19	0.23	7.30	11.04	12.55	0.02
SQU-DS	2025-10-14 14:45:00	6.83	54.02	0.23	7.29	11.03	16.20	0.02
SQU-DS	2025-10-14 15:00:00	6.84	53.38	0.24	7.29	10.96	21.87	0.02
SQU-DS	2025-10-14 15:15:00	6.87	53.67	0.24	7.27	11.04	12.64	0.02
SQU-DS	2025-10-14 15:30:00	6.89	54.35	0.24	7.29	11.02	14.76	0.02
SQU-DS	2025-10-14 15:45:00	6.88	53.96	0.24	7.27	11.06	22.17	0.02
SQU-DS	2025-10-14 16:00:00	6.87	53.64	0.25	7.28	11.05	14.02	0.02
SQU-DS	2025-10-14 16:15:00	6.85	53.91	0.25	7.27	11.03	16.76	0.02
SQU-DS	2025-10-14 16:30:00	6.80	54.31	0.25	7.27	11.05	18.63	0.02
SQU-DS	2025-10-14 16:45:00	6.75	54.72	0.25	7.25	11.03	18.76	0.02
SQU-DS	2025-10-14 17:00:00	6.67	54.78	0.25	7.19	11.05	13.32	0.02
SQU-DS	2025-10-14 17:15:00	6.60	54.40	0.24	7.26	11.06	18.69	0.02
SQU-DS	2025-10-14 17:30:00	6.53	54.23	0.24	7.21	11.06	14.20	0.02
SQU-DS	2025-10-14 17:45:00	6.46	53.56	0.24	7.23	11.06	12.94	0.02
SQU-DS	2025-10-14 18:00:00	6.41	52.71	0.24	7.23	11.06	18.01	0.02
SQU-DS	2025-10-14 18:15:00	6.40	52.56	0.24	7.18	11.06	17.96	0.02
SQU-DS	2025-10-14 18:30:00	6.42	52.18	0.23	7.23	11.06	17.14	0.02
SQU-DS	2025-10-14 18:45:00	6.45	52.06	0.23	7.17	11.03	16.99	0.02
SQU-DS	2025-10-14 19:00:00	6.47	52.31	0.23	7.16	10.99	18.88	0.02
SQU-DS	2025-10-14 19:15:00	6.53	52.83	0.23	7.24	10.99	24.76	0.02
SQU-DS	2025-10-14 19:30:00	6.55	52.58	0.23	7.15	10.96	22.54	0.02
SQU-DS	2025-10-14 19:45:00	6.57	52.54	0.23	7.16	10.95	20.02	0.02
SQU-DS	2025-10-14 20:00:00	6.60	52.76	0.24	7.22	10.92	19.21	0.02
SQU-DS	2025-10-14 20:15:00	6.63	53.35	0.25	7.15	10.89	22.41	0.02
SQU-DS	2025-10-14 20:30:00	6.65	53.35	0.25	7.15	10.85	21.21	0.02
SQU-DS	2025-10-14 20:45:00	6.67	54.23	0.25	7.16	10.81	17.06	0.02
SQU-DS	2025-10-14 21:00:00	6.68	53.89	0.25	7.17	10.86	21.20	0.02
SQU-DS	2025-10-14 21:15:00	6.69	55.03	0.26	7.16	10.81	16.75	0.02
SQU-DS	2025-10-14 21:30:00	6.69	54.69	0.26	7.14	10.79	18.70	0.02
SQU-DS	2025-10-14 21:45:00	6.69	53.90	0.25	7.18	10.86	20.60	0.02
SQU-DS	2025-10-14 22:00:00	6.69	53.81	0.24	7.14	10.89	18.31	0.02
SQU-DS	2025-10-14 22:15:00	6.69	53.56	0.25	7.16	10.91	16.44	0.02
SQU-DS	2025-10-14 22:30:00	6.69	53.80	0.24	7.15	10.89	15.36	0.02
SQU-DS	2025-10-14 22:45:00	6.71	53.70	0.24	7.18	10.91	18.68	0.02
SQU-DS	2025-10-14 23:00:00	6.70	53.26	0.23	7.18	10.89	16.18	0.02
SQU-DS	2025-10-14 23:15:00	6.69	53.60	0.24	7.25	10.89	16.31	0.02
SQU-DS	2025-10-14 23:30:00	6.69	53.57	0.24	7.21	10.88	16.39	0.02
SQU-DS	2025-10-14 23:45:00	6.68	53.26	0.25	7.19	10.90	17.32	0.02
SQU-DS	2025-10-15 00:00:00	6.69	53.02	0.24	7.24	10.91	16.49	0.02
SQU-DS	2025-10-15 00:15:00	6.67	53.25	0.24	7.22	10.92	14.28	0.02
SQU-DS	2025-10-15 00:30:00	6.65	53.08	0.24	7.22	10.92	15.10	0.02
SQU-DS	2025-10-15 00:45:00	6.65	52.89	0.24	7.20	10.91	16.05	0.02
SQU-DS	2025-10-15 01:00:00	6.65	53.50	0.24	7.20	10.88	15.67	0.02
SQU-DS	2025-10-15 01:15:00	6.63	53.70	0.23	7.17	10.88	17.41	0.02
SQU-DS	2025-10-15 01:30:00	6.63	54.01	0.24	7.21	10.88	16.98	0.02
SQU-DS	2025-10-15 01:45:00	6.66	58.25	0.27	7.10	10.70	19.90	0.03
SQU-DS	2025-10-15 02:00:00	6.67	59.00	0.27	7.08	10.68	27.54	0.03
SQU-DS	2025-10-15 02:15:00	6.70	45.27	0.27	6.93	11.10	45.27	0.02
SQU-DS	2025-10-15 02:30:00	6.71	0.08	0.27	7.12	11.33	99.28	0.00
SQU-DS	2025-10-15 02:45:00	6.67	0.08	0.30	7.43	11.34	0.55	0.00

Squamish River								
Station	Date/Time	Temperature (C)	Specific Conductivity (µS/cm)	ORP (V)	pH (pH units)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	Salinity (PSU)
SQU-DS	2025-10-15 03:00:00	6.62	0.08	0.31	7.46	11.37	0.44	0.00
SQU-DS	2025-10-15 03:15:00	6.72	0.08	0.31	7.41	11.34	0.38	0.00
SQU-DS	2025-10-15 03:30:00	6.69	0.08	0.32	7.37	11.33	0.29	0.00
SQU-DS	2025-10-15 03:45:00	6.61	0.08	0.32	7.35	11.38	0.12	0.00
SQU-DS	2025-10-15 04:00:00	6.40	0.09	0.32	7.31	11.44	0.00	0.00
SQU-DS	2025-10-15 04:15:00	6.16	0.09	0.33	7.27	11.52	0.00	0.00
SQU-DS	2025-10-15 04:30:00	5.93	0.09	0.32	7.23	11.58	0.00	0.00
SQU-DS	2025-10-15 04:45:00	5.72	0.09	0.33	7.19	11.65	0.00	0.00
SQU-DS	2025-10-15 05:00:00	5.51	0.09	0.34	7.15	11.71	0.00	0.00
SQU-DS	2025-10-15 05:15:00	5.38	0.09	0.33	7.12	11.74	0.00	0.00
SQU-DS	2025-10-15 05:30:00	5.29	0.09	0.34	7.09	11.77	0.00	0.00
SQU-DS	2025-10-15 05:45:00	5.15	0.09	0.34	7.07	11.81	0.00	0.00
SQU-DS	2025-10-15 06:00:00	5.09	0.09	0.33	7.05	11.83	0.00	0.00
SQU-DS	2025-10-15 06:15:00	5.05	0.09	0.34	7.03	11.84	0.00	0.00
SQU-DS	2025-10-15 06:30:00	4.93	0.09	0.35	7.02	11.88	0.00	0.00
SQU-DS	2025-10-15 06:45:00	4.85	0.09	0.34	7.01	11.92	0.00	0.00
SQU-DS	2025-10-15 07:00:00	4.85	0.09	0.34	6.99	11.92	0.00	0.00
SQU-DS	2025-10-15 07:15:00	4.81	0.09	0.33	6.99	11.94	0.00	0.00
SQU-DS	2025-10-15 07:30:00	4.79	0.09	0.34	6.98	11.94	0.00	0.00
SQU-DS	2025-10-15 07:45:00	4.76	0.09	0.34	6.96	11.94	0.00	0.00
SQU-DS	2025-10-15 08:00:00	4.77	0.09	0.35	6.95	11.95	0.00	0.00
SQU-DS	2025-10-15 08:15:00	4.75	0.09	0.35	6.94	11.95	0.00	0.00
SQU-DS	2025-10-15 08:30:00	4.78	0.09	0.35	6.93	11.95	0.00	0.00
SQU-DS	2025-10-15 08:45:00	4.87	0.09	0.36	6.93	11.91	0.00	0.00
SQU-DS	2025-10-15 09:00:00	5.05	0.09	0.35	6.93	11.86	0.00	0.00
SQU-DS	2025-10-15 09:15:00	5.34	0.09	0.35	6.93	11.77	0.00	0.00
SQU-DS	2025-10-15 09:30:00	5.68	0.09	0.35	6.93	11.66	0.00	0.00
SQU-DS	2025-10-15 09:45:00	5.99	0.09	0.36	6.91	11.56	0.00	0.00
SQU-DS	2025-10-15 10:00:00	6.34	0.09	0.34	7.38	11.46	0.00	0.00
SQU-DS	2025-10-15 10:15:00	6.64	0.08	0.34	7.07	11.37	0.00	0.00
SQU-DS	2025-10-15 10:30:00	6.84	0.08	0.35	6.98	11.31	0.00	0.00
SQU-DS	2025-10-15 10:45:00	6.95	0.08	0.35	6.99	11.27	0.00	0.00
SQU-DS	2025-10-15 11:00:00	6.49	58.37	0.34	7.25	10.88	13.80	0.03
SQU-DS	2025-10-15 11:15:00	6.50	57.58	0.34	7.21	10.86	12.47	0.03
SQU-DS	2025-10-15 11:30:00	6.53	58.51	0.34	7.20	10.84	8.67	0.03
SQU-DS	2025-10-15 11:45:00	6.55	56.82	0.34	7.24	10.84	15.84	0.03
SQU-DS	2025-10-15 12:00:00	6.61	56.79	0.34	7.26	10.86	9.76	0.03
SQU-DS	2025-10-15 12:15:00	6.67	56.28	0.34	7.26	10.87	10.89	0.03
SQU-DS	2025-10-15 12:30:00	6.72	55.87	0.35	7.28	10.87	10.71	0.02
SQU-DS	2025-10-15 12:45:00	6.75	55.47	0.36	7.28	10.86	8.79	0.02
SQU-DS	2025-10-15 13:00:00	6.79	54.90	0.36	7.30	10.89	8.82	0.02
SQU-DS	2025-10-15 13:15:00	6.83	54.61	0.37	7.30	10.97	18.30	0.02
SQU-DS	2025-10-15 13:30:00	6.88	54.59	0.36	7.31	10.96	9.87	0.02
SQU-DS	2025-10-15 13:45:00	6.96	55.48	0.36	7.30	10.97	17.95	0.02
SQU-DS	2025-10-15 14:00:00	7.03	55.73	0.36	7.30	10.96	14.48	0.02
SQU-DS	2025-10-15 14:15:00	7.08	55.18	0.36	7.33	10.96	16.67	0.02
SQU-DS	2025-10-15 14:30:00	7.13	54.99	0.36	7.32	10.97	15.42	0.02
SQU-DS	2025-10-15 14:45:00	7.17	55.21	0.37	7.34	10.94	13.95	0.02
SQU-DS	2025-10-15 15:00:00	7.21	55.28	0.37	7.35	10.97	15.34	0.02
SQU-DS	2025-10-15 15:15:00	7.28	56.20	0.37	7.32	10.95	11.95	0.03
SQU-DS	2025-10-15 15:30:00	7.34	57.05	0.37	7.33	10.91	11.67	0.03

Squamish River								
Station	Date/Time	Temperature (C)	Specific Conductivity (µS/cm)	ORP (V)	pH (pH units)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	Salinity (PSU)
SQU-DS	2025-10-15 15:45:00	7.37	57.61	0.37	7.33	10.89	13.62	0.03
SQU-DS	2025-10-15 16:00:00	7.36	57.58	0.36	7.34	10.93	15.55	0.03
SQU-DS	2025-10-15 16:15:00	7.36	57.83	0.36	7.33	10.92	14.77	0.03
SQU-DS	2025-10-15 16:30:00	7.36	58.43	0.37	7.34	10.88	13.30	0.03
SQU-DS	2025-10-15 16:45:00	7.33	60.14	0.37	7.33	10.84	16.84	0.03
SQU-DS	2025-10-15 17:00:00	7.27	61.25	0.37	7.29	10.81	15.04	0.03
SQU-DS	2025-10-15 17:15:00	7.16	60.43	0.37	7.30	10.82	15.46	0.03
SQU-DS	2025-10-15 17:30:00	7.08	60.48	0.38	7.28	10.79	15.08	0.03
SQU-DS	2025-10-15 17:45:00	7.00	61.48	0.38	7.29	10.76	14.31	0.03
SQU-DS	2025-10-15 18:00:00	6.92	61.67	0.37	7.31	10.75	12.98	0.03
SQU-DS	2025-10-15 18:15:00	6.82	60.26	0.38	7.30	10.75	14.10	0.03
SQU-DS	2025-10-15 18:30:00	6.74	59.14	0.38	7.29	10.74	15.20	0.03
SQU-DS	2025-10-15 18:45:00	6.69	58.81	0.38	7.28	10.76	13.37	0.03
SQU-DS	2025-10-15 19:00:00	6.67	58.46	0.38	7.27	10.75	14.44	0.03
SQU-DS	2025-10-15 19:15:00	6.64	57.96	0.38	7.26	10.76	15.43	0.03
SQU-DS	2025-10-15 19:30:00	6.62	57.28	0.38	7.25	10.74	16.23	0.03
SQU-DS	2025-10-15 19:45:00	6.59	57.54	0.38	7.21	10.72	18.54	0.03
SQU-DS	2025-10-15 20:00:00	6.60	59.51	0.38	7.17	10.69	20.35	0.03
SQU-DS	2025-10-15 20:15:00	6.59	59.71	0.39	7.12	10.66	16.88	0.03
SQU-DS	2025-10-15 20:30:00	6.58	59.91	0.38	7.12	10.65	24.79	0.03
SQU-DS	2025-10-15 20:45:00	6.56	59.85	0.38	7.13	10.64	17.59	0.03
SQU-DS	2025-10-15 21:00:00	6.56	60.24	0.39	7.11	10.60	19.58	0.03
SQU-DS	2025-10-15 21:15:00	6.56	60.89	0.40	7.09	10.55	14.98	0.03
SQU-DS	2025-10-15 21:30:00	6.55	60.71	0.40	7.10	10.51	16.04	0.03
SQU-DS	2025-10-15 21:45:00	6.56	61.26	0.40	7.11	10.50	15.90	0.03
SQU-DS	2025-10-15 22:00:00	6.56	62.22	0.41	7.08	10.48	15.21	0.03
SQU-DS	2025-10-15 22:15:00	6.55	61.12	0.41	7.12	10.48	17.44	0.03
SQU-DS	2025-10-15 22:30:00	6.55	61.84	0.41	7.10	10.46	13.81	0.03
SQU-DS	2025-10-15 22:45:00	6.56	63.15	0.41	7.08	10.46	14.13	0.03
SQU-DS	2025-10-15 23:00:00	6.55	61.51	0.41	7.10	10.46	16.60	0.03
SQU-DS	2025-10-15 23:15:00	6.56	63.62	0.41	7.10	10.43	15.51	0.03
SQU-DS	2025-10-15 23:30:00	6.53	58.76	0.40	7.10	10.47	15.65	0.03
SQU-DS	2025-10-15 23:45:00	6.54	61.40	0.40	7.12	10.58	13.63	0.03
SQU-DS	2025-10-16 00:00:00	6.54	60.92	0.40	7.13	10.55	14.93	0.03
SQU-DS	2025-10-16 00:15:00	6.52	58.08	0.41	7.20	10.56	17.95	0.03
SQU-DS	2025-10-16 00:30:00	6.51	56.96	0.40	7.23	10.70	15.25	0.03
SQU-DS	2025-10-16 00:45:00	6.51	57.03	0.40	7.25	10.73	15.02	0.03
SQU-DS	2025-10-16 01:00:00	6.52	56.76	0.40	7.25	10.71	17.14	0.03
SQU-DS	2025-10-16 01:15:00	6.52	56.56	0.40	7.25	10.71	15.14	0.03
SQU-DS	2025-10-16 01:30:00	6.53	56.52	0.40	7.25	10.71	13.56	0.03
SQU-DS	2025-10-16 01:45:00	6.53	56.57	0.41	7.25	10.72	14.44	0.03
SQU-DS	2025-10-16 02:00:00	6.52	56.71	0.41	7.25	10.77	15.48	0.03
SQU-DS	2025-10-16 02:15:00	6.53	56.65	0.41	7.25	10.69	14.35	0.03
SQU-DS	2025-10-16 02:30:00	6.52	56.96	0.41	7.25	10.68	14.25	0.03
SQU-DS	2025-10-16 02:45:00	6.52	56.77	0.41	7.25	10.65	13.95	0.03
SQU-DS	2025-10-16 03:00:00	6.51	56.78	0.41	7.24	10.66	15.24	0.03
SQU-DS	2025-10-16 03:15:00	6.49	56.85	0.41	7.25	10.68	14.25	0.03
SQU-DS	2025-10-16 03:30:00	6.50	57.69	0.41	7.20	10.65	18.50	0.03
SQU-DS	2025-10-16 03:45:00	6.51	60.15	0.42	7.12	10.57	14.66	0.03
SQU-DS	2025-10-16 04:00:00	6.51	60.08	0.42	7.12	10.55	14.23	0.03
SQU-DS	2025-10-16 04:15:00	6.51	61.21	0.42	7.11	10.48	12.61	0.03

Squamish River								
Station	Date/Time	Temperature (C)	Specific Conductivity (µS/cm)	ORP (V)	pH (pH units)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	Salinity (PSU)
SQU-DS	2025-10-16 04:30:00	6.49	60.56	0.43	7.09	10.41	13.41	0.03
SQU-DS	2025-10-16 04:45:00	6.48	60.21	0.43	7.09	10.41	14.09	0.03
SQU-DS	2025-10-16 05:00:00	6.49	62.26	0.43	7.10	10.39	13.77	0.03
SQU-DS	2025-10-16 05:15:00	6.47	60.95	0.43	7.10	10.42	14.79	0.03
SQU-DS	2025-10-16 05:30:00	6.45	60.98	0.43	7.09	10.51	13.71	0.03
SQU-DS	2025-10-16 05:45:00	6.46	61.99	0.43	7.07	10.34	15.08	0.03
SQU-DS	2025-10-16 06:00:00	6.43	60.53	0.43	7.11	10.40	15.51	0.03
SQU-DS	2025-10-16 06:15:00	6.42	60.69	0.43	7.12	10.46	14.40	0.03
SQU-DS	2025-10-16 06:30:00	6.40	60.97	0.43	7.09	10.49	15.88	0.03
SQU-DS	2025-10-16 06:45:00	6.39	61.58	0.43	7.10	10.44	14.00	0.03
SQU-DS	2025-10-16 07:00:00	6.37	61.10	0.43	7.10	10.46	13.69	0.03
SQU-DS	2025-10-16 07:15:00	6.35	60.88	0.43	7.09	10.50	15.60	0.03
SQU-DS	2025-10-16 07:30:00	6.34	62.44	0.43	7.07	10.50	14.15	0.03
SQU-DS	2025-10-16 07:45:00	6.32	60.66	0.43	7.13	10.48	16.12	0.03
SQU-DS	2025-10-16 08:00:00	6.31	60.73	0.43	7.07	10.44	14.11	0.03
SQU-DS	2025-10-16 08:15:00	6.31	61.83	0.44	7.11	10.56	13.84	0.03
SQU-DS	2025-10-16 08:30:00	6.31	61.86	0.44	7.07	10.55	15.28	0.03
SQU-DS	2025-10-16 08:45:00	6.33	63.46	0.43	7.06	10.38	14.21	0.03
SQU-DS	2025-10-16 09:00:00	6.31	61.01	0.43	7.14	10.52	14.11	0.03
SQU-DS	2025-10-16 09:15:00	6.34	62.10	0.44	7.09	10.43	14.71	0.03
SQU-DS	2025-10-16 09:30:00	6.36	61.73	0.43	7.09	10.47	15.08	0.03
SQU-DS	2025-10-16 09:45:00	6.40	62.93	0.44	7.06	10.47	15.20	0.03
SQU-DS	2025-10-16 10:00:00	6.44	64.63	0.44	7.05	10.36	15.28	0.03
SQU-DS	2025-10-16 10:15:00	6.45	59.67	0.44	7.12	10.37	18.80	0.03
SQU-DS	2025-10-16 10:30:00	6.48	60.75	0.43	7.10	10.55	14.43	0.03
SQU-DS	2025-10-16 10:45:00	6.51	59.40	0.43	7.12	10.60	16.83	0.03
SQU-DS	2025-10-16 11:00:00	6.55	59.10	0.43	7.13	10.62	15.89	0.03
SQU-DS	2025-10-16 11:15:00	6.58	59.13	0.44	7.13	10.64	16.01	0.03
SQU-DS	2025-10-16 11:30:00	6.62	59.24	0.44	7.13	10.63	17.36	0.03
SQU-DS	2025-10-16 11:45:00	6.66	58.66	0.44	7.14	10.64	14.00	0.03
SQU-DS	2025-10-16 12:00:00	6.69	58.44	0.44	7.15	10.66	15.37	0.03
SQU-DS	2025-10-16 12:15:00	6.73	59.23	0.44	7.12	10.65	15.22	0.03
SQU-DS	2025-10-16 12:30:00	6.75	59.43	0.44	7.12	10.63	18.55	0.03
SQU-DS	2025-10-16 12:45:00	6.72	56.56	0.43	7.22	10.66	16.71	0.03
SQU-DS	2025-10-16 13:00:00	6.72	56.04	0.43	7.25	10.75	16.52	0.03
SQU-DS	2025-10-16 13:15:00	6.72	55.61	0.44	7.27	10.77	15.96	0.02
SQU-DS	2025-10-16 13:30:00	6.72	55.18	0.44	7.29	10.85	15.01	0.02
SQU-DS	2025-10-16 13:45:00	6.72	54.46	0.44	7.30	10.92	16.63	0.02
SQU-DS	2025-10-16 14:00:00	6.74	54.36	0.44	7.30	10.96	14.59	0.02
SQU-DS	2025-10-16 14:15:00	6.77	54.43	0.44	7.32	10.96	17.72	0.02
SQU-DS	2025-10-16 14:30:00	6.80	54.08	0.43	7.32	10.98	16.59	0.02
SQU-DS	2025-10-16 14:45:00	6.82	53.67	0.43	7.32	10.96	16.21	0.02
SQU-DS	2025-10-16 15:00:00	6.84	53.16	0.43	7.32	10.95	22.32	0.02
SQU-DS	2025-10-16 15:15:00	6.88	51.99	0.44	7.31	10.92	19.51	0.02
SQU-DS	2025-10-16 15:30:00	6.94	52.26	0.44	7.31	10.88	23.27	0.02
SQU-DS	2025-10-16 15:45:00	6.92	51.60	0.44	7.32	10.88	31.49	0.02
SQU-DS	2025-10-16 16:00:00	6.91	51.37	0.44	7.34	10.89	18.36	0.02
SQU-DS	2025-10-16 16:15:00	6.93	51.95	0.44	7.32	10.90	20.57	0.02
SQU-DS	2025-10-16 16:30:00	6.98	52.21	0.44	7.27	10.91	29.48	0.02
SQU-DS	2025-10-16 16:45:00	6.97	51.32	0.43	7.29	10.91	23.96	0.02
SQU-DS	2025-10-16 17:00:00	6.98	51.53	0.44	7.29	10.91	25.54	0.02

Squamish River								
Station	Date/Time	Temperature (C)	Specific Conductivity (µS/cm)	ORP (V)	pH (pH units)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	Salinity (PSU)
SQU-DS	2025-10-16 17:15:00	6.96	50.97	0.44	7.31	10.90	26.20	0.02
SQU-DS	2025-10-16 17:30:00	6.97	51.34	0.44	7.32	10.90	25.70	0.02
SQU-DS	2025-10-16 17:45:00	6.96	51.34	0.44	7.31	10.90	28.65	0.02
SQU-DS	2025-10-16 18:00:00	6.95	51.94	0.44	7.32	10.85	26.79	0.02
SQU-DS	2025-10-16 18:15:00	6.95	54.53	0.44	7.27	10.83	28.98	0.02
SQU-DS	2025-10-16 18:30:00	6.93	56.40	0.44	7.31	10.82	29.42	0.03
SQU-DS	2025-10-16 18:45:00	6.91	56.30	0.44	7.32	10.80	30.65	0.03
SQU-DS	2025-10-16 19:00:00	6.89	55.73	0.44	7.32	10.80	32.81	0.02
SQU-DS	2025-10-16 19:15:00	6.88	54.90	0.45	7.30	10.78	31.77	0.02
SQU-DS	2025-10-16 19:30:00	6.87	54.19	0.45	7.30	10.77	33.80	0.02
SQU-DS	2025-10-16 19:45:00	6.89	53.53	0.45	7.30	10.75	37.45	0.02
SQU-DS	2025-10-16 20:00:00	6.93	53.62	0.45	7.29	10.77	34.94	0.02
SQU-DS	2025-10-16 20:15:00	6.97	53.45	0.45	7.29	10.73	33.08	0.02
SQU-DS	2025-10-16 20:30:00	7.02	53.63	0.45	7.29	10.71	34.44	0.02
SQU-DS	2025-10-16 20:45:00	7.08	53.64	0.45	7.29	10.71	32.87	0.02
SQU-DS	2025-10-16 21:00:00	7.13	54.11	0.45	7.29	10.68	34.02	0.02
SQU-DS	2025-10-16 21:15:00	7.19	54.19	0.45	7.29	10.67	32.03	0.02
SQU-DS	2025-10-16 21:30:00	7.24	54.67	0.45	7.29	10.65	33.95	0.02
SQU-DS	2025-10-16 21:45:00	7.28	54.64	0.45	7.29	10.63	33.21	0.02
SQU-DS	2025-10-16 22:00:00	7.32	55.19	0.45	7.29	10.60	31.51	0.02
SQU-DS	2025-10-16 22:15:00	7.36	55.43	0.45	7.29	10.61	34.01	0.02
SQU-DS	2025-10-16 22:30:00	7.39	55.68	0.45	7.29	10.59	34.47	0.02
SQU-DS	2025-10-16 22:45:00	7.41	56.03	0.45	7.30	10.56	32.64	0.03
SQU-DS	2025-10-16 23:00:00	7.43	56.02	0.45	7.29	10.55	33.86	0.03
SQU-DS	2025-10-16 23:15:00	7.44	55.92	0.45	7.29	10.55	31.62	0.03
SQU-DS	2025-10-16 23:30:00	7.45	55.70	0.45	7.29	10.55	30.99	0.02
SQU-DS	2025-10-16 23:45:00	7.45	55.84	0.46	7.29	10.54	33.02	0.02
SQU-DS	2025-10-17 00:00:00	7.45	55.31	0.46	7.29	10.56	32.62	0.02
SQU-DS	2025-10-17 00:15:00	7.45	55.40	0.46	7.28	10.53	33.37	0.02
SQU-DS	2025-10-17 00:30:00	7.45	55.32	0.46	7.28	10.53	31.60	0.02
SQU-DS	2025-10-17 00:45:00	7.46	55.21	0.46	7.29	10.54	32.78	0.02
SQU-DS	2025-10-17 01:00:00	7.45	54.59	0.46	7.30	10.55	30.43	0.02
SQU-DS	2025-10-17 01:15:00	7.45	54.68	0.46	7.29	10.55	32.23	0.02
SQU-DS	2025-10-17 01:30:00	7.46	54.32	0.46	7.29	10.55	32.02	0.02
SQU-DS	2025-10-17 01:45:00	7.45	54.39	0.46	7.30	10.58	31.83	0.02
SQU-DS	2025-10-17 02:00:00	7.45	54.01	0.46	7.31	10.54	30.73	0.02
SQU-DS	2025-10-17 02:15:00	7.44	53.88	0.46	7.32	10.55	32.19	0.02
SQU-DS	2025-10-17 02:30:00	7.43	53.62	0.46	7.32	10.58	33.93	0.02
SQU-DS	2025-10-17 02:45:00	7.43	53.82	0.46	7.31	10.54	31.93	0.02
SQU-DS	2025-10-17 03:00:00	7.43	53.78	0.46	7.31	10.56	32.07	0.02
SQU-DS	2025-10-17 03:15:00	7.44	54.06	0.46	7.32	10.56	32.28	0.02
SQU-DS	2025-10-17 03:30:00	7.45	54.21	0.46	7.31	10.54	31.47	0.02
SQU-DS	2025-10-17 03:45:00	7.45	54.16	0.46	7.32	10.55	30.76	0.02
SQU-DS	2025-10-17 04:00:00	7.46	54.33	0.46	7.32	10.53	30.73	0.02
SQU-DS	2025-10-17 04:15:00	7.47	54.41	0.46	7.31	10.53	30.80	0.02
SQU-DS	2025-10-17 04:30:00	7.48	54.81	0.46	7.31	10.53	30.87	0.02
SQU-DS	2025-10-17 04:45:00	7.49	55.16	0.46	7.30	10.51	30.44	0.02
SQU-DS	2025-10-17 05:00:00	7.51	55.40	0.46	7.29	10.47	29.95	0.02
SQU-DS	2025-10-17 05:15:00	7.52	55.94	0.46	7.29	10.48	31.22	0.03
SQU-DS	2025-10-17 05:30:00	7.53	55.60	0.46	7.28	10.43	30.26	0.02
SQU-DS	2025-10-17 05:45:00	7.53	56.32	0.47	7.26	10.42	29.29	0.03

Squamish River								
Station	Date/Time	Temperature (C)	Specific Conductivity (µS/cm)	ORP (V)	pH (pH units)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	Salinity (PSU)
SQU-DS	2025-10-17 06:00:00	7.54	56.55	0.47	7.25	10.41	29.51	0.03
SQU-DS	2025-10-17 06:15:00	7.56	58.10	0.47	7.15	10.35	34.00	0.03
SQU-DS	2025-10-17 06:30:00	7.56	58.82	0.47	7.14	10.33	30.51	0.03
SQU-DS	2025-10-17 06:45:00	7.56	58.87	0.47	7.14	10.30	30.10	0.03
SQU-DS	2025-10-17 07:00:00	7.57	59.33	0.47	7.14	10.29	31.81	0.03
SQU-DS	2025-10-17 07:15:00	7.57	59.04	0.47	7.15	10.31	29.95	0.03
SQU-DS	2025-10-17 07:30:00	7.57	59.70	0.47	7.14	10.29	30.62	0.03
SQU-DS	2025-10-17 07:45:00	7.56	58.95	0.47	7.14	10.27	29.74	0.03
SQU-DS	2025-10-17 08:00:00	7.56	58.99	0.47	7.15	10.27	29.68	0.03
SQU-DS	2025-10-17 08:15:00	7.56	58.81	0.47	7.18	10.26	30.14	0.03
SQU-DS	2025-10-17 08:30:00	7.56	59.06	0.47	7.18	10.29	29.87	0.03
SQU-DS	2025-10-17 08:45:00	7.57	59.49	0.47	7.18	10.28	28.70	0.03
SQU-DS	2025-10-17 09:00:00	7.57	59.34	0.47	7.20	10.30	29.49	0.03
SQU-DS	2025-10-17 09:15:00	7.58	59.95	0.47	7.19	10.30	29.20	0.03
SQU-DS	2025-10-17 09:30:00	7.59	60.07	0.47	7.16	10.26	29.74	0.03
SQU-DS	2025-10-17 09:45:00	7.61	59.76	0.47	7.19	10.30	28.94	0.03
SQU-DS	2025-10-17 10:00:00	7.65	60.94	0.47	7.16	10.24	29.94	0.03
SQU-DS	2025-10-17 10:15:00	7.67	60.49	0.47	7.17	10.25	30.37	0.03
SQU-DS	2025-10-17 10:30:00	7.71	60.04	0.47	7.19	10.31	30.79	0.03
SQU-DS	2025-10-17 10:45:00	7.76	61.32	0.47	7.17	10.28	29.58	0.03
SQU-DS	2025-10-17 11:00:00	7.80	61.07	0.47	7.15	10.27	29.16	0.03
SQU-DS	2025-10-17 11:15:00	7.86	60.80	0.47	7.18	10.27	30.78	0.03
SQU-DS	2025-10-17 11:30:00	7.94	61.54	0.48	7.16	10.27	31.26	0.03
SQU-DS	2025-10-17 11:45:00	8.03	62.51	0.48	7.16	10.27	31.54	0.03
SQU-DS	2025-10-17 12:00:00	8.10	63.54	0.48	7.10	10.21	30.16	0.03
SQU-DS	2025-10-17 12:15:00	8.19	62.76	0.48	7.13	10.17	29.78	0.03
SQU-DS	2025-10-17 12:30:00	8.31	63.90	0.48	7.14	10.18	28.63	0.03
SQU-DS	2025-10-17 12:45:00	8.37	63.12	0.48	7.13	10.21	29.05	0.03
SQU-DS	2025-10-17 13:00:00	8.43	63.02	0.48	7.13	10.15	28.07	0.03
SQU-DS	2025-10-17 13:15:00	8.44	61.22	0.48	7.17	10.12	28.44	0.03
SQU-DS	2025-10-17 13:30:00	8.44	58.90	0.47	7.27	10.21	28.37	0.03
SQU-DS	2025-10-17 13:45:00	8.44	58.54	0.47	7.29	10.25	29.98	0.03
SQU-DS	2025-10-17 14:00:00	8.44	57.72	0.47	7.31	10.37	29.73	0.03
SQU-DS	2025-10-17 14:15:00	8.46	57.13	0.47	7.33	10.36	28.11	0.03
SQU-DS	2025-10-17 14:30:00	8.44	56.81	0.47	7.33	10.42	24.75	0.03
SQU-DS	2025-10-17 14:45:00	8.45	56.73	0.47	7.34	10.43	21.59	0.03
SQU-DS	2025-10-17 15:00:00	8.48	56.53	0.47	7.30	10.52	24.45	0.03
SQU-DS	2025-10-17 15:15:00	8.51	56.58	0.47	7.34	10.56	26.59	0.03
SQU-DS	2025-10-17 15:30:00	8.53	56.59	0.47	7.34	10.52	26.37	0.03
SQU-DS	2025-10-17 15:45:00	8.51	56.40	0.47	7.35	10.53	25.83	0.03
SQU-DS	2025-10-17 16:00:00	8.48	56.52	0.47	7.35	10.53	28.11	0.03
SQU-DS	2025-10-17 16:15:00	8.45	56.55	0.47	7.36	10.51	25.26	0.03
SQU-DS	2025-10-17 16:30:00	8.43	57.01	0.47	7.35	10.49	27.04	0.03
SQU-DS	2025-10-17 16:45:00	8.41	57.74	0.47	7.37	10.46	25.97	0.03
SQU-DS	2025-10-17 17:00:00	8.37	58.39	0.47	7.36	10.46	22.88	0.03
SQU-DS	2025-10-17 17:15:00	8.31	58.91	0.47	7.36	10.44	26.17	0.03
SQU-DS	2025-10-17 17:30:00	8.24	60.25	0.47	7.35	10.41	25.65	0.03
SQU-DS	2025-10-17 17:45:00	8.16	60.72	0.47	7.30	10.38	29.69	0.03
SQU-DS	2025-10-17 18:00:00	8.12	61.70	0.47	7.33	10.34	28.45	0.03
SQU-DS	2025-10-17 18:15:00	8.07	62.18	0.47	7.32	10.28	32.08	0.03
SQU-DS	2025-10-17 18:30:00	8.01	62.07	0.47	7.30	10.30	39.55	0.03

Squamish River								
Station	Date/Time	Temperature (C)	Specific Conductivity (µS/cm)	ORP (V)	pH (pH units)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	Salinity (PSU)
SQU-DS	2025-10-17 18:45:00	7.94	61.26	0.47	7.30	10.30	41.55	0.03
SQU-DS	2025-10-17 19:00:00	7.91	61.22	0.48	7.31	10.27	43.24	0.03
SQU-DS	2025-10-17 19:15:00	7.89	61.03	0.48	7.29	10.22	44.11	0.03
SQU-DS	2025-10-17 19:30:00	7.86	60.46	0.48	7.29	10.22	43.55	0.03
SQU-DS	2025-10-17 19:45:00	7.81	59.48	0.48	7.28	10.21	43.63	0.03
SQU-DS	2025-10-17 20:00:00	7.77	58.84	0.48	7.27	10.24	43.30	0.03
SQU-DS	2025-10-17 20:15:00	7.75	60.02	0.48	7.25	10.22	44.94	0.03
SQU-DS	2025-10-17 20:30:00	7.71	58.90	0.48	7.23	10.21	44.01	0.03
SQU-DS	2025-10-17 20:45:00	7.68	59.55	0.48	7.20	10.22	43.73	0.03
SQU-DS	2025-10-17 21:00:00	7.65	58.52	0.48	7.20	10.23	45.39	0.03
SQU-DS	2025-10-17 21:15:00	7.62	58.52	0.48	7.20	10.22	42.87	0.03
SQU-DS	2025-10-17 21:30:00	7.60	57.92	0.48	7.23	10.25	43.99	0.03
SQU-DS	2025-10-17 21:45:00	7.59	57.65	0.48	7.22	10.29	44.05	0.03
SQU-DS	2025-10-17 22:00:00	7.58	57.20	0.48	7.24	10.30	43.50	0.03
SQU-DS	2025-10-17 22:15:00	7.57	57.95	0.48	7.23	10.34	45.29	0.03
SQU-DS	2025-10-17 22:30:00	7.57	56.53	0.48	7.25	10.34	44.18	0.03
SQU-DS	2025-10-17 22:45:00	7.56	56.22	0.48	7.26	10.38	45.90	0.03
SQU-DS	2025-10-17 23:00:00	7.54	55.71	0.48	7.27	10.39	47.42	0.02
SQU-DS	2025-10-17 23:15:00	7.53	55.18	0.48	7.27	10.43	46.05	0.02
SQU-DS	2025-10-17 23:30:00	7.51	54.69	0.48	7.28	10.44	48.02	0.02
SQU-DS	2025-10-17 23:45:00	7.50	54.27	0.48	7.28	10.44	44.77	0.02
SQU-DS	2025-10-18 00:00:00	7.48	53.86	0.48	7.28	10.46	48.24	0.02
SQU-DS	2025-10-18 00:15:00	7.48	53.36	0.48	7.28	10.47	46.98	0.02
SQU-DS	2025-10-18 00:30:00	7.47	53.14	0.48	7.29	10.47	49.24	0.02
SQU-DS	2025-10-18 00:45:00	7.47	53.01	0.48	7.28	10.48	48.41	0.02
SQU-DS	2025-10-18 01:00:00	7.46	52.73	0.48	7.28	10.49	51.04	0.02
SQU-DS	2025-10-18 01:15:00	7.46	52.58	0.48	7.28	10.49	49.48	0.02
SQU-DS	2025-10-18 01:30:00	7.46	52.24	0.48	7.27	10.49	44.70	0.02
SQU-DS	2025-10-18 01:45:00	7.47	52.21	0.48	7.28	10.49	51.01	0.02
SQU-DS	2025-10-18 02:00:00	7.47	51.88	0.48	7.28	10.50	44.25	0.02
SQU-DS	2025-10-18 02:15:00	7.47	52.13	0.49	7.28	10.50	47.85	0.02
SQU-DS	2025-10-18 02:30:00	7.47	51.92	0.49	7.30	10.50	47.16	0.02
SQU-DS	2025-10-18 02:45:00	7.45	51.93	0.49	7.30	10.49	45.07	0.02
SQU-DS	2025-10-18 03:00:00	7.44	52.14	0.49	7.30	10.50	45.46	0.02
SQU-DS	2025-10-18 03:15:00	7.44	51.99	0.49	7.31	10.49	46.20	0.02
SQU-DS	2025-10-18 03:30:00	7.43	52.28	0.49	7.32	10.55	47.78	0.02
SQU-DS	2025-10-18 03:45:00	7.42	51.78	0.49	7.33	10.55	45.69	0.02
SQU-DS	2025-10-18 04:00:00	7.41	52.25	0.49	7.34	10.58	45.22	0.02
SQU-DS	2025-10-18 04:15:00	7.40	52.56	0.49	7.36	10.54	47.40	0.02
SQU-DS	2025-10-18 04:30:00	7.40	50.27	0.49	7.35	10.55	47.05	0.02
SQU-DS	2025-10-18 04:45:00	7.42	54.40	0.49	7.35	10.54	44.96	0.02
SQU-DS	2025-10-18 05:00:00	7.42	54.39	0.49	7.35	10.54	46.83	0.02
SQU-DS	2025-10-18 05:15:00	7.41	54.06	0.49	7.36	10.54	46.41	0.02
SQU-DS	2025-10-18 05:30:00	7.41	54.55	0.49	7.36	10.57	48.18	0.02
SQU-DS	2025-10-18 05:45:00	7.44	55.60	0.49	7.34	10.52	48.87	0.02
SQU-DS	2025-10-18 06:00:00	7.46	56.09	0.49	7.32	10.49	48.79	0.03
SQU-DS	2025-10-18 06:15:00	7.46	56.01	0.49	7.33	10.48	48.57	0.03
SQU-DS	2025-10-18 06:30:00	7.45	55.98	0.49	7.32	10.49	46.88	0.03
SQU-DS	2025-10-18 06:45:00	7.45	56.01	0.49	7.31	10.47	47.60	0.03
SQU-DS	2025-10-18 07:00:00	7.45	55.94	0.49	7.30	10.47	45.56	0.03
SQU-DS	2025-10-18 07:15:00	7.44	56.48	0.49	7.30	10.46	45.85	0.03

Squamish River								
Station	Date/Time	Temperature (C)	Specific Conductivity (µS/cm)	ORP (V)	pH (pH units)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	Salinity (PSU)
SQU-DS	2025-10-18 07:30:00	7.44	57.26	0.49	7.24	10.43	46.98	0.03
SQU-DS	2025-10-18 07:45:00	7.43	57.56	0.49	7.24	10.44	46.26	0.03
SQU-DS	2025-10-18 08:00:00	7.42	57.28	0.49	7.26	10.40	46.83	0.03
SQU-DS	2025-10-18 08:15:00	7.41	57.55	0.49	7.25	10.39	46.89	0.03
SQU-DS	2025-10-18 08:30:00	7.40	57.69	0.49	7.24	10.37	46.11	0.03
SQU-DS	2025-10-18 08:45:00	7.39	57.43	0.49	7.24	10.37	47.07	0.03
SQU-DS	2025-10-18 09:00:00	7.38	57.91	0.49	7.24	10.36	47.44	0.03
SQU-DS	2025-10-18 09:15:00	7.38	58.13	0.49	7.23	10.36	46.26	0.03
SQU-DS	2025-10-18 09:30:00	7.37	58.40	0.49	7.22	10.34	45.83	0.03
SQU-DS	2025-10-18 09:45:00	7.36	58.77	0.49	7.23	10.33	45.73	0.03
SQU-DS	2025-10-18 10:00:00	7.37	58.62	0.50	7.23	10.36	45.49	0.03
SQU-DS	2025-10-18 10:15:00	7.36	58.77	0.49	7.23	10.36	47.71	0.03
SQU-DS	2025-10-18 10:30:00	7.37	59.34	0.50	7.23	10.34	45.45	0.03
SQU-DS	2025-10-18 10:45:00	7.36	58.84	0.50	7.23	10.36	44.24	0.03
SQU-DS	2025-10-18 11:00:00	7.37	59.13	0.50	7.22	10.35	44.99	0.03
SQU-DS	2025-10-18 11:15:00	7.37	59.22	0.50	7.21	10.37	45.23	0.03
SQU-DS	2025-10-18 11:30:00	7.39	60.35	0.50	7.22	10.37	45.19	0.03
SQU-DS	2025-10-18 11:45:00	7.39	59.52	0.50	7.21	10.33	45.25	0.03
SQU-DS	2025-10-18 12:00:00	7.40	60.36	0.50	7.21	10.33	45.53	0.03
SQU-DS	2025-10-18 12:15:00	7.40	59.50	0.50	7.22	10.32	44.72	0.03
SQU-DS	2025-10-18 12:30:00	7.41	59.89	0.50	7.23	10.30	45.97	0.03
SQU-DS	2025-10-18 12:45:00	7.41	59.87	0.50	7.22	10.29	44.70	0.03
SQU-DS	2025-10-18 13:00:00	7.41	59.99	0.50	7.22	10.26	43.86	0.03
SQU-DS	2025-10-18 13:15:00	7.41	60.13	0.49	7.25	10.30	44.33	0.03
SQU-DS	2025-10-18 13:30:00	7.42	60.42	0.50	7.21	10.28	45.10	0.03
SQU-DS	2025-10-18 13:45:00	7.41	59.44	0.50	7.23	10.28	45.89	0.03
SQU-DS	2025-10-18 14:00:00	7.38	58.73	0.48	7.26	10.69	13.38	0.03
SQU-DS	2025-10-18 14:15:00	7.37	58.32	0.47	7.29	10.67	11.33	0.03
SQU-DS	2025-10-18 14:30:00	7.35	57.56	0.48	7.33	10.70	11.35	0.03
SQU-DS	2025-10-18 14:45:00	7.33	57.13	0.48	7.32	10.70	11.39	0.03
SQU-DS	2025-10-18 15:00:00	7.31	56.64	0.48	7.31	10.73	10.22	0.03
SQU-DS	2025-10-18 15:15:00	7.30	56.58	0.48	7.34	10.73	11.82	0.03
SQU-DS	2025-10-18 15:30:00	7.28	56.98	0.48	7.29	10.73	11.61	0.03
SQU-DS	2025-10-18 15:45:00	7.26	56.80	0.48	7.35	10.73	12.29	0.03
SQU-DS	2025-10-18 16:00:00	7.22	56.29	0.48	7.33	10.77	12.86	0.03
SQU-DS	2025-10-18 16:15:00	7.21	56.76	0.48	7.34	10.72	11.84	0.03
SQU-DS	2025-10-18 16:30:00	7.20	56.41	0.48	7.33	10.72	14.05	0.03
SQU-DS	2025-10-18 16:45:00	7.16	56.01	0.49	7.33	10.68	18.22	0.03
SQU-DS	2025-10-18 17:00:00	7.12	56.70	0.49	7.33	10.72	14.41	0.03
SQU-DS	2025-10-18 17:15:00	7.21	62.34	0.49	7.30	10.62	14.32	0.03
SQU-DS	2025-10-18 17:30:00	7.14	59.82	0.48	7.30	10.67	13.84	0.03
SQU-DS	2025-10-18 17:45:00	7.14	61.02	0.49	7.29	10.68	14.27	0.03
SQU-DS	2025-10-18 18:00:00	7.11	60.99	0.48	7.27	10.74	18.62	0.03
SQU-DS	2025-10-18 18:15:00	7.13	62.55	0.48	7.29	10.66	17.43	0.03
SQU-DS	2025-10-18 18:30:00	7.08	60.11	0.48	7.32	10.70	17.68	0.03
SQU-DS	2025-10-18 18:45:00	7.06	59.77	0.48	7.26	10.71	18.21	0.03
SQU-DS	2025-10-18 19:00:00	7.05	60.31	0.48	7.31	10.70	20.90	0.03
SQU-DS	2025-10-18 19:15:00	7.12	63.71	0.47	7.25	10.61	25.45	0.03
SQU-DS	2025-10-18 19:30:00	7.10	61.95	0.47	7.30	10.64	19.49	0.03
SQU-DS	2025-10-18 19:45:00	7.03	58.40	0.47	7.28	10.70	23.66	0.03
SQU-DS	2025-10-18 20:00:00	6.99	57.06	0.47	7.27	10.75	23.07	0.03

Squamish River								
Station	Date/Time	Temperature (C)	Specific Conductivity (µS/cm)	ORP (V)	pH (pH units)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	Salinity (PSU)
SQU-DS	2025-10-18 20:15:00	7.00	56.98	0.46	7.27	10.74	24.79	0.03
SQU-DS	2025-10-18 20:30:00	6.99	56.45	0.46	7.31	10.76	21.38	0.03
SQU-DS	2025-10-18 20:45:00	7.00	56.52	0.46	7.29	10.74	22.38	0.03
SQU-DS	2025-10-18 21:00:00	7.01	56.05	0.46	7.27	10.74	21.12	0.03
SQU-DS	2025-10-18 21:15:00	7.02	56.06	0.47	7.24	10.73	23.59	0.03
SQU-DS	2025-10-18 21:30:00	7.03	56.05	0.47	7.29	10.72	20.51	0.03
SQU-DS	2025-10-18 21:45:00	7.05	56.15	0.47	7.26	10.73	22.77	0.03
SQU-DS	2025-10-18 22:00:00	7.07	56.20	0.47	7.30	10.72	26.77	0.03
SQU-DS	2025-10-18 22:15:00	7.09	56.01	0.47	7.30	10.72	25.30	0.03
SQU-DS	2025-10-18 22:30:00	7.09	56.21	0.47	7.27	10.70	26.12	0.03
SQU-DS	2025-10-18 22:45:00	7.10	56.15	0.47	7.30	10.73	25.00	0.03
SQU-DS	2025-10-18 23:00:00	7.10	56.49	0.47	7.29	10.71	27.03	0.03
SQU-DS	2025-10-18 23:15:00	7.10	56.87	0.47	7.29	10.70	21.19	0.03
SQU-DS	2025-10-18 23:30:00	7.10	57.07	0.47	7.30	10.70	24.64	0.03
SQU-DS	2025-10-18 23:45:00	7.10	57.07	0.47	7.32	10.70	20.86	0.03
SQU-DS	2025-10-19 00:00:00	7.11	57.08	0.48	7.26	10.68	19.83	0.03
SQU-DS	2025-10-19 00:15:00	7.10	57.39	0.48	7.30	10.68	26.89	0.03
SQU-DS	2025-10-19 00:30:00	7.09	57.97	0.47	7.29	10.68	28.71	0.03
SQU-DS	2025-10-19 00:45:00	7.08	57.29	0.48	7.29	10.68	20.64	0.03
SQU-DS	2025-10-19 01:00:00	7.07	57.82	0.48	7.26	10.68	25.59	0.03
SQU-DS	2025-10-19 01:15:00	7.06	57.66	0.48	7.29	10.67	23.68	0.03
SQU-DS	2025-10-19 01:30:00	7.05	57.59	0.48	7.28	10.68	23.05	0.03
SQU-DS	2025-10-19 01:45:00	7.04	57.37	0.48	7.28	10.69	23.55	0.03
SQU-DS	2025-10-19 02:00:00	7.03	57.78	0.48	7.29	10.69	23.42	0.03
SQU-DS	2025-10-19 02:15:00	7.00	56.76	0.48	7.31	10.72	25.90	0.03
SQU-DS	2025-10-19 02:30:00	6.98	56.47	0.48	7.32	10.74	29.16	0.03
SQU-DS	2025-10-19 02:45:00	6.97	56.26	0.47	7.34	10.76	24.22	0.03
SQU-DS	2025-10-19 03:00:00	6.96	55.79	0.47	7.36	10.76	25.16	0.02
SQU-DS	2025-10-19 03:15:00	6.93	55.50	0.48	7.38	10.77	22.26	0.02
SQU-DS	2025-10-19 03:30:00	6.90	55.29	0.48	7.36	10.78	25.62	0.02
SQU-DS	2025-10-19 03:45:00	6.87	54.94	0.48	7.40	10.78	23.92	0.02
SQU-DS	2025-10-19 04:00:00	6.85	54.85	0.48	7.36	10.79	20.51	0.02
SQU-DS	2025-10-19 04:15:00	6.82	54.55	0.49	7.39	10.82	23.99	0.02
SQU-DS	2025-10-19 04:30:00	6.80	54.49	0.48	7.41	10.83	21.74	0.02
SQU-DS	2025-10-19 04:45:00	6.76	54.24	0.49	7.34	10.83	26.67	0.02
SQU-DS	2025-10-19 05:00:00	6.76	54.09	0.49	7.42	10.82	20.83	0.02
SQU-DS	2025-10-19 05:15:00	6.73	54.04	0.49	7.40	10.84	20.97	0.02
SQU-DS	2025-10-19 05:30:00	6.70	54.01	0.49	7.42	10.84	23.29	0.02
SQU-DS	2025-10-19 05:45:00	6.70	55.07	0.49	7.42	10.83	23.85	0.02
SQU-DS	2025-10-19 06:00:00	6.70	55.99	0.49	7.36	10.84	29.34	0.02
SQU-DS	2025-10-19 06:15:00	6.71	56.62	0.49	7.41	10.82	27.04	0.03
SQU-DS	2025-10-19 06:30:00	6.68	55.69	0.49	7.35	10.85	32.85	0.02
SQU-DS	2025-10-19 06:45:00	6.70	56.59	0.49	7.39	10.83	26.47	0.03
SQU-DS	2025-10-19 07:00:00	6.69	56.30	0.49	7.37	10.79	25.98	0.03
SQU-DS	2025-10-19 07:15:00	6.69	56.77	0.49	7.38	10.80	34.70	0.03
SQU-DS	2025-10-19 07:30:00	6.69	56.41	0.48	7.36	10.80	29.24	0.03
SQU-DS	2025-10-19 07:45:00	6.68	55.84	0.48	7.34	10.79	26.90	0.02
SQU-DS	2025-10-19 08:00:00	6.66	54.99	0.48	7.38	10.82	35.38	0.02
SQU-DS	2025-10-19 08:15:00	6.65	54.57	0.48	7.31	10.83	27.45	0.02
SQU-DS	2025-10-19 08:30:00	6.65	54.82	0.48	7.33	10.82	26.28	0.02
SQU-DS	2025-10-19 08:45:00	6.66	54.58	0.48	7.28	10.80	33.49	0.02

Squamish River								
Station	Date/Time	Temperature (C)	Specific Conductivity (µS/cm)	ORP (V)	pH (pH units)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	Salinity (PSU)
SQU-DS	2025-10-19 09:00:00	6.65	54.04	0.47	7.31	10.82	32.02	0.02
SQU-DS	2025-10-19 09:15:00	6.66	53.79	0.47	7.31	10.83	31.16	0.02
SQU-DS	2025-10-19 09:30:00	6.65	53.67	0.47	7.32	10.84	24.92	0.02
SQU-DS	2025-10-19 09:45:00	6.65	53.39	0.48	7.33	10.82	27.11	0.02
SQU-DS	2025-10-19 10:00:00	6.66	53.36	0.48	7.31	10.85	33.84	0.02
SQU-DS	2025-10-19 10:15:00	6.66	53.26	0.48	7.31	10.85	29.48	0.02
SQU-DS	2025-10-19 10:30:00	6.66	53.35	0.48	7.29	10.85	30.52	0.02
SQU-DS	2025-10-19 10:45:00	6.67	53.10	0.48	7.31	10.86	28.06	0.02
SQU-DS	2025-10-19 11:00:00	6.68	53.05	0.47	7.34	10.87	36.28	0.02
SQU-DS	2025-10-19 11:15:00	6.68	52.91	0.47	7.34	10.88	26.22	0.02
SQU-DS	2025-10-19 11:30:00	6.71	52.92	0.47	7.31	10.88	27.28	0.02
SQU-DS	2025-10-19 11:45:00	6.73	52.96	0.48	7.33	10.88	39.15	0.02
SQU-DS	2025-10-19 12:00:00	6.74	53.01	0.48	7.34	10.88	39.97	0.02
SQU-DS	2025-10-19 12:15:00	6.76	52.65	0.48	7.32	10.88	34.99	0.02
SQU-DS	2025-10-19 12:30:00	6.79	52.49	0.47	7.33	10.89	37.78	0.02
SQU-DS	2025-10-19 12:45:00	6.84	52.35	0.47	7.32	10.89	35.64	0.02
SQU-DS	2025-10-19 13:00:00	6.89	52.15	0.48	7.31	10.90	28.29	0.02
SQU-DS	2025-10-19 13:15:00	6.93	52.19	0.48	7.35	10.90	40.83	0.02
SQU-DS	2025-10-19 13:30:00	6.97	51.89	0.48	7.33	10.91	29.20	0.02
SQU-DS	2025-10-19 13:45:00	6.99	51.80	0.48	7.34	10.92	37.73	0.02
SQU-DS	2025-10-19 14:00:00	7.00	51.33	0.48	7.35	10.92	43.20	0.02
SQU-DS	2025-10-19 14:15:00	7.05	50.99	0.48	7.36	10.92	31.16	0.02
SQU-DS	2025-10-19 14:30:00	7.10	50.72	0.48	7.41	10.91	32.82	0.02
SQU-DS	2025-10-19 14:45:00	7.11	50.21	0.48	7.36	10.94	40.70	0.02
SQU-DS	2025-10-19 15:00:00	7.08	49.70	0.48	7.41	10.93	31.10	0.02
SQU-DS	2025-10-19 15:15:00	7.06	49.40	0.47	7.43	10.99	39.61	0.02
SQU-DS	2025-10-19 15:30:00	7.02	48.91	0.47	7.42	10.99	39.34	0.02
SQU-DS	2025-10-19 15:45:00	7.00	49.13	0.48	7.43	10.96	29.48	0.02
SQU-DS	2025-10-19 16:00:00	7.02	49.19	0.48	7.43	10.98	31.67	0.02
SQU-DS	2025-10-19 16:15:00	7.07	49.13	0.48	7.44	10.94	29.67	0.02
SQU-DS	2025-10-19 16:30:00	7.06	48.85	0.49	7.44	10.94	26.44	0.02
SQU-DS	2025-10-19 16:45:00	7.03	49.10	0.49	7.44	10.93	20.97	0.02
SQU-DS	2025-10-19 17:00:00	7.01	49.26	0.49	7.44	10.90	19.76	0.02
SQU-DS	2025-10-19 17:15:00	7.01	49.60	0.49	7.45	10.92	14.23	0.02
SQU-DS	2025-10-19 17:30:00	6.99	49.45	0.49	7.47	10.86	14.95	0.02
SQU-DS	2025-10-19 17:45:00	6.95	49.31	0.49	7.46	10.82	12.91	0.02
SQU-DS	2025-10-19 18:00:00	6.94	49.92	0.49	7.47	10.84	13.97	0.02
SQU-DS	2025-10-19 18:15:00	6.94	50.67	0.49	7.45	10.80	17.72	0.02
SQU-DS	2025-10-19 18:30:00	6.93	51.64	0.49	7.42	10.86	31.69	0.02
SQU-DS	2025-10-19 18:45:00	6.93	51.42	0.49	7.40	10.91	25.83	0.02
SQU-DS	2025-10-19 19:00:00	6.92	51.76	0.49	7.38	10.89	28.08	0.02
SQU-DS	2025-10-19 19:15:00	6.94	52.13	0.49	7.37	10.90	30.45	0.02
SQU-DS	2025-10-19 19:30:00	6.94	51.77	0.49	7.38	10.88	43.81	0.02
SQU-DS	2025-10-19 19:45:00	6.94	51.75	0.49	7.37	10.88	34.98	0.02
SQU-DS	2025-10-19 20:00:00	6.95	51.45	0.49	7.37	10.84	33.75	0.02
SQU-DS	2025-10-19 20:15:00	6.95	50.59	0.50	7.35	10.86	34.56	0.02
SQU-DS	2025-10-19 20:30:00	6.94	50.24	0.50	7.37	10.86	33.31	0.02
SQU-DS	2025-10-19 20:45:00	6.94	49.74	0.50	7.36	10.88	39.00	0.02
SQU-DS	2025-10-19 21:00:00	6.94	49.37	0.50	7.36	10.90	39.04	0.02
SQU-DS	2025-10-19 21:15:00	6.93	49.23	0.50	7.35	10.91	43.31	0.02
SQU-DS	2025-10-19 21:30:00	6.94	49.02	0.50	7.35	10.91	43.00	0.02

Squamish River								
Station	Date/Time	Temperature (C)	Specific Conductivity (µS/cm)	ORP (V)	pH (pH units)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	Salinity (PSU)
SQU-DS	2025-10-19 21:45:00	6.94	49.03	0.50	7.35	10.91	44.78	0.02
SQU-DS	2025-10-19 22:00:00	6.95	49.11	0.50	7.35	10.90	36.97	0.02
SQU-DS	2025-10-19 22:15:00	6.95	48.77	0.50	7.35	10.90	42.70	0.02
SQU-DS	2025-10-19 22:30:00	6.96	48.65	0.50	7.34	10.91	39.05	0.02
SQU-DS	2025-10-19 22:45:00	6.97	48.60	0.50	7.35	10.92	37.85	0.02
SQU-DS	2025-10-19 23:00:00	6.98	48.46	0.50	7.32	10.91	38.14	0.02
SQU-DS	2025-10-19 23:15:00	6.98	48.35	0.50	7.33	10.92	40.03	0.02
SQU-DS	2025-10-19 23:30:00	7.00	48.28	0.50	7.33	10.92	37.56	0.02
SQU-DS	2025-10-19 23:45:00	7.00	47.99	0.50	7.32	10.93	43.75	0.02
SQU-US	2025-10-13 00:00:00	7.24	47.77	0.11	7.08	1.65	33.38	0.02
SQU-US	2025-10-13 00:15:00	7.21	47.78	0.11	7.08	1.64	37.76	0.02
SQU-US	2025-10-13 00:30:00	7.19	47.73	0.11	7.07	1.63	29.48	0.02
SQU-US	2025-10-13 00:45:00	7.16	47.24	0.11	7.06	1.65	33.89	0.02
SQU-US	2025-10-13 01:00:00	7.13	47.47	0.11	7.06	1.65	30.25	0.02
SQU-US	2025-10-13 01:15:00	7.10	47.33	0.12	7.04	1.65	34.53	0.02
SQU-US	2025-10-13 01:30:00	7.08	47.24	0.12	7.02	1.65	31.90	0.02
SQU-US	2025-10-13 01:45:00	7.05	47.13	0.12	7.00	1.65	30.62	0.02
SQU-US	2025-10-13 02:00:00	7.01	47.07	0.12	7.03	1.66	22.22	0.02
SQU-US	2025-10-13 02:15:00	6.98	47.23	0.12	7.03	1.66	32.10	0.02
SQU-US	2025-10-13 02:30:00	6.95	47.06	0.12	7.04	1.66	37.31	0.02
SQU-US	2025-10-13 02:45:00	6.93	46.93	0.12	7.02	1.66	25.39	0.02
SQU-US	2025-10-13 03:00:00	6.89	47.13	0.12	6.99	1.65	28.30	0.02
SQU-US	2025-10-13 03:15:00	6.87	46.95	0.12	7.02	1.65	31.07	0.02
SQU-US	2025-10-13 03:30:00	6.82	46.80	0.12	7.03	1.63	25.97	0.02
SQU-US	2025-10-13 03:45:00	6.79	46.75	0.12	7.03	1.61	29.31	0.02
SQU-US	2025-10-13 04:00:00	6.77	47.00	0.12	7.03	1.59	23.65	0.02
SQU-US	2025-10-13 04:15:00	6.74	46.79	0.12	7.04	1.57	30.00	0.02
SQU-US	2025-10-13 04:30:00	6.72	46.66	0.12	7.06	1.55	32.60	0.02
SQU-US	2025-10-13 04:45:00	6.69	46.79	0.12	7.06	1.53	26.77	0.02
SQU-US	2025-10-13 05:00:00	6.65	46.78	0.12	7.07	1.51	30.02	0.02
SQU-US	2025-10-13 05:15:00	6.62	46.87	0.12	7.07	1.50	24.63	0.02
SQU-US	2025-10-13 05:30:00	6.59	46.92	0.12	7.06	1.48	22.94	0.02
SQU-US	2025-10-13 05:45:00	6.55	46.70	0.12	7.07	1.47	31.33	0.02
SQU-US	2025-10-13 06:00:00	6.51	47.15	0.12	7.05	1.47	42.55	0.02
SQU-US	2025-10-13 06:15:00	6.47	47.03	0.12	7.07	1.47	24.91	0.02
SQU-US	2025-10-13 06:30:00	6.45	46.98	0.12	7.07	1.47	27.04	0.02
SQU-US	2025-10-13 06:45:00	6.41	46.74	0.12	7.08	1.47	24.21	0.02
SQU-US	2025-10-13 07:00:00	6.39	46.99	0.12	7.07	1.47	27.19	0.02
SQU-US	2025-10-13 07:15:00	6.35	47.04	0.12	7.07	1.48	22.65	0.02
SQU-US	2025-10-13 07:30:00	6.31	47.05	0.12	7.07	1.49	20.92	0.02
SQU-US	2025-10-13 07:45:00	6.28	47.14	0.12	7.07	1.48	18.85	0.02
SQU-US	2025-10-13 08:00:00	6.26	46.94	0.12	7.07	1.48	25.54	0.02
SQU-US	2025-10-13 08:15:00	6.24	47.05	0.12	7.08	1.47	24.74	0.02
SQU-US	2025-10-13 08:30:00	6.22	47.18	0.12	7.08	1.46	21.16	0.02
SQU-US	2025-10-13 08:45:00	6.20	47.21	0.12	7.07	1.45	22.46	0.02
SQU-US	2025-10-13 09:00:00	6.19	47.39	0.12	7.08	1.45	16.64	0.02
SQU-US	2025-10-13 09:15:00	6.21	47.32	0.12	7.08	1.44	19.53	0.02
SQU-US	2025-10-13 09:30:00	6.23	47.46	0.13	7.08	1.43	20.85	0.02
SQU-US	2025-10-13 09:45:00	6.26	47.86	0.13	7.08	1.42	18.73	0.02
SQU-US	2025-10-13 10:00:00	6.30	50.73	0.13	7.08	1.42	23.91	0.02
SQU-US	2025-10-13 10:15:00	6.33	47.62	0.13	7.08	1.42	19.37	0.02

Squamish River								
Station	Date/Time	Temperature (C)	Specific Conductivity (µS/cm)	ORP (V)	pH (pH units)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	Salinity (PSU)
SQU-US	2025-10-13 10:30:00	6.35	47.39	0.13	7.08	1.42	20.46	0.02
SQU-US	2025-10-13 10:45:00	6.40	47.04	0.13	7.16	1.41	21.16	0.02
SQU-US	2025-10-13 11:00:00	6.45	46.79	0.13	7.19	1.40	18.96	0.02
SQU-US	2025-10-13 11:15:00	6.50	46.78	0.13	7.20	1.39	18.63	0.02
SQU-US	2025-10-13 11:30:00	6.56	46.91	0.13	7.21	1.38	15.94	0.02
SQU-US	2025-10-13 11:45:00	6.63	47.38	0.13	7.21	1.36	19.50	0.02
SQU-US	2025-10-13 12:00:00	6.70	47.56	0.13	7.20	1.33	12.49	0.02
SQU-US	2025-10-13 12:15:00	6.78	48.00	0.13	7.21	1.31	14.75	0.02
SQU-US	2025-10-13 12:30:00	6.85	48.55	0.13	7.20	1.28	15.10	0.02
SQU-US	2025-10-13 12:45:00	6.93	49.38	0.13	7.20	1.24	16.13	0.02
SQU-US	2025-10-13 13:00:00	7.03	50.70	0.13	7.19	1.21	11.74	0.02
SQU-US	2025-10-13 13:15:00	7.09	51.28	0.13	7.19	1.18	11.82	0.02
SQU-US	2025-10-13 13:30:00	7.15	51.00	0.13	7.19	1.15	12.92	0.02
SQU-US	2025-10-13 13:45:00	7.21	51.40	0.13	7.18	1.11	13.15	0.02
SQU-US	2025-10-13 14:00:00	7.28	51.97	0.13	7.18	1.07	12.00	0.02
SQU-US	2025-10-13 14:15:00	7.33	52.48	0.14	7.17	1.03	13.31	0.02
SQU-US	2025-10-13 14:30:00	7.37	52.45	0.14	7.16	0.99	11.78	0.02
SQU-US	2025-10-13 14:45:00	7.38	51.73	0.14	7.17	0.95	12.22	0.02
SQU-US	2025-10-13 15:00:00	7.40	51.97	0.14	7.16	0.91	14.76	0.02
SQU-US	2025-10-13 15:15:00	7.43	52.85	0.14	7.16	0.87	12.33	0.02
SQU-US	2025-10-13 15:30:00	7.44	53.47	0.14	7.17	0.83	11.59	0.02
SQU-US	2025-10-13 15:45:00	7.44	53.38	0.14	7.17	0.79	15.27	0.02
SQU-US	2025-10-13 16:00:00	7.42	52.91	0.14	7.17	0.77	13.49	0.02
SQU-US	2025-10-13 16:15:00	7.40	53.08	0.14	7.17	0.75	14.13	0.02
SQU-US	2025-10-13 16:30:00	7.38	53.20	0.14	7.15	0.73	16.91	0.02
SQU-US	2025-10-13 16:45:00	7.32	53.33	0.14	7.13	0.71	14.59	0.02
SQU-US	2025-10-13 17:00:00	7.23	53.22	0.14	7.11	0.70	13.04	0.02
SQU-US	2025-10-13 17:15:00	7.16	53.28	0.14	7.09	0.70	16.15	0.02
SQU-US	2025-10-13 17:30:00	7.08	53.08	0.14	7.07	0.70	16.10	0.02
SQU-US	2025-10-13 17:45:00	6.98	53.25	0.14	7.03	0.69	16.22	0.02
SQU-US	2025-10-13 18:00:00	6.90	53.06	0.14	7.01	0.70	17.47	0.02
SQU-US	2025-10-13 18:15:00	6.84	52.93	0.14	6.99	0.70	15.14	0.02
SQU-US	2025-10-13 18:30:00	6.79	52.87	0.14	6.98	0.71	11.24	0.02
SQU-US	2025-10-13 18:45:00	6.75	49.50	0.14	6.95	0.71	13.07	0.02
SQU-US	2025-10-13 19:00:00		53.32			0.72		0.02
SQU-US	2025-10-13 19:15:00	6.68	53.08	0.14	6.89	0.71	10.23	0.02
SQU-US	2025-10-13 19:30:00	6.66	52.94	0.14	6.90	0.70	9.16	0.02
SQU-US	2025-10-13 19:45:00	6.63	52.83	0.14	6.94	0.69	11.86	0.02
SQU-US	2025-10-13 20:00:00	6.62	52.97	0.14	6.96	0.69	12.89	0.02
SQU-US	2025-10-13 20:15:00	6.60	52.98	0.14	6.98	0.69	10.06	0.02
SQU-US	2025-10-13 20:30:00	6.59	53.18	0.14	6.99	0.69	11.61	0.02
SQU-US	2025-10-13 20:45:00	6.58	53.29	0.14	7.00	0.71	15.40	0.02
SQU-US	2025-10-13 21:00:00	6.56	53.50	0.14	7.01	0.72	14.03	0.02
SQU-US	2025-10-13 21:15:00	6.55	53.67	0.14	7.00	0.74	11.09	0.02
SQU-US	2025-10-13 21:30:00	6.54	53.77	0.14	7.00	0.75	14.69	0.02
SQU-US	2025-10-13 21:45:00	6.54	53.95	0.14	7.00	0.77	13.08	0.02
SQU-US	2025-10-13 22:00:00		54.12			0.78		0.02
SQU-US	2025-10-13 22:15:00	6.51	54.21	0.14	7.01	0.78	11.71	0.02
SQU-US	2025-10-13 22:30:00	6.52	54.59	0.14	7.00	0.77	8.75	0.02
SQU-US	2025-10-13 22:45:00	6.51	54.79	0.14	7.00	0.77	16.09	0.02
SQU-US	2025-10-13 23:00:00	6.49	54.74	0.14	7.00	0.76	11.25	0.02

Squamish River								
Station	Date/Time	Temperature (C)	Specific Conductivity (µS/cm)	ORP (V)	pH (pH units)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	Salinity (PSU)
SQU-US	2025-10-13 23:15:00	6.48	54.85	0.14	7.00	0.75	11.67	0.02
SQU-US	2025-10-13 23:30:00	6.48	54.85	0.14	7.00	0.75	11.58	0.02
SQU-US	2025-10-13 23:45:00	6.48	55.60	0.14	6.96	0.75	17.62	0.02
SQU-US	2025-10-14 00:00:00	6.54	57.33	0.14	6.89	0.75	20.65	0.03
SQU-US	2025-10-14 00:15:00	6.70	62.17	0.14	6.52	0.73	15.39	0.03
SQU-US	2025-10-14 00:30:00	6.92	69.40	0.15	6.19	0.64	40.33	0.03
SQU-US	2025-10-14 00:45:00	6.57	0.00	0.14	6.58	0.51	0.82	0.00
SQU-US	2025-10-14 01:00:00	6.27	0.00	0.12	7.25	1.57	0.81	0.00
SQU-US	2025-10-14 01:15:00	5.94	0.00	0.13	7.11	3.73	0.87	0.00
SQU-US	2025-10-14 01:30:00	5.69	0.00	0.12	7.19	5.36	1.13	0.00
SQU-US	2025-10-14 01:45:00	5.49	0.00	0.12	7.21	5.57	1.12	0.00
SQU-US	2025-10-14 02:00:00	5.30	0.00	0.12	7.24	5.53	1.11	0.00
SQU-US	2025-10-14 02:15:00	5.11	0.00	0.12	7.25	5.36	1.16	0.00
SQU-US	2025-10-14 02:30:00	4.95	0.00	0.12	7.26	5.07	1.10	0.00
SQU-US	2025-10-14 02:45:00	4.81	0.00	0.12	7.26	4.68	1.09	0.00
SQU-US	2025-10-14 03:00:00	4.67	0.00	0.12	7.28	4.34	1.08	0.00
SQU-US	2025-10-14 03:15:00	4.53	0.00	0.12	7.27	4.00	1.05	0.00
SQU-US	2025-10-14 03:30:00	4.46	0.00	0.12	7.26	3.68	1.05	0.00
SQU-US	2025-10-14 03:45:00	4.42	0.00	0.12	7.27	3.39	1.04	0.00
SQU-US	2025-10-14 04:00:00	4.36	0.00	0.12	7.26	3.14	1.03	0.00
SQU-US	2025-10-14 04:15:00	4.25	0.00	0.12	7.26	2.92	1.05	0.00
SQU-US	2025-10-14 04:30:00	4.19	0.00	0.12	7.26	2.73	1.06	0.00
SQU-US	2025-10-14 04:45:00	4.11	0.00	0.12	7.26	2.57	1.05	0.00
SQU-US	2025-10-14 05:00:00	4.03	0.00	0.13	7.25	2.45	1.05	0.00
SQU-US	2025-10-14 05:15:00	3.94	0.00	0.13	7.25	2.34	1.02	0.00
SQU-US	2025-10-14 05:30:00	3.88	0.00	0.13	7.25	2.24	1.09	0.00
SQU-US	2025-10-14 05:45:00	3.80	0.00	0.13	7.25	2.16	1.04	0.00
SQU-US	2025-10-14 06:00:00	3.74	0.00	0.13	7.24	2.08	1.02	0.00
SQU-US	2025-10-14 06:15:00	3.72	0.00	0.13	7.24	2.02	1.02	0.00
SQU-US	2025-10-14 06:30:00	3.64	0.00	0.13	7.24	1.97	1.04	0.00
SQU-US	2025-10-14 06:45:00	3.52	0.00	0.13	7.24	1.93	1.01	0.00
SQU-US	2025-10-14 07:00:00	3.51	0.00	0.13	7.24	1.91	1.01	0.00
SQU-US	2025-10-14 07:15:00	3.48	0.00	0.13	7.23	1.89	1.02	0.00
SQU-US	2025-10-14 07:30:00	3.44	0.00	0.13	7.23	1.87	1.03	0.00
SQU-US	2025-10-14 07:45:00	3.44	0.00	0.13	7.23	1.86	1.02	0.00
SQU-US	2025-10-14 08:00:00	3.43	0.00	0.13	7.23	1.85	1.07	0.00
SQU-US	2025-10-14 08:15:00	3.44	0.00	0.13	7.22	1.84	1.04	0.00
SQU-US	2025-10-14 08:30:00	3.46	0.00	0.13	7.23	1.83	1.04	0.00
SQU-US	2025-10-14 08:45:00	3.54	0.00	0.13	7.23	1.83	0.98	0.00
SQU-US	2025-10-14 09:00:00	3.61	0.00	0.13	7.23	1.82	1.01	0.00
SQU-US	2025-10-14 09:15:00	3.71	0.00	0.13	7.23	1.81	1.03	0.00
SQU-US	2025-10-14 09:30:00	3.89	0.00	0.13	7.23	1.80	1.03	0.00
SQU-US	2025-10-14 09:45:00	4.11	0.00	0.13	7.22	1.80	1.05	0.00
SQU-US	2025-10-14 10:00:00	4.29	0.00	0.13	7.22	1.79	1.08	0.00
SQU-US	2025-10-14 10:15:00	4.48	0.00	0.13	7.22	1.78	1.03	0.00
SQU-US	2025-10-14 10:30:00	4.65	0.00	0.13	7.22	1.77	1.10	0.00
SQU-US	2025-10-14 10:45:00	4.83	0.00	0.13	7.22	1.75	1.11	0.00
SQU-US	2025-10-14 11:00:00	5.14	0.65	0.12	7.02	4.44	1.11	0.00
SQU-US	2025-10-14 11:15:00	6.00	55.35	0.13	6.55	5.19	11.01	0.02
SQU-US	2025-10-14 11:30:00	5.96	53.83	0.12	7.02	12.08	19.26	0.02
SQU-US	2025-10-14 11:45:00	6.01	53.26	0.13	7.11	12.22	10.67	0.02

Squamish River								
Station	Date/Time	Temperature (C)	Specific Conductivity (µS/cm)	ORP (V)	pH (pH units)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	Salinity (PSU)
SQU-US	2025-10-14 12:00:00		53.15			12.32		0.02
SQU-US	2025-10-14 12:15:00	6.16	53.00	0.13	7.19	12.33	9.14	0.02
SQU-US	2025-10-14 12:30:00	6.22	52.43	0.13	7.20	12.33	7.95	0.02
SQU-US	2025-10-14 12:45:00	6.28	52.10	0.12	7.21	12.35	7.77	0.02
SQU-US	2025-10-14 13:00:00	6.36	51.95	0.12	7.22	12.35	8.14	0.02
SQU-US	2025-10-14 13:15:00	6.45	52.47	0.12	7.22	12.36	7.79	0.02
SQU-US	2025-10-14 13:30:00	6.53	52.80	0.12	7.23	12.35	8.48	0.02
SQU-US	2025-10-14 13:45:00	6.59	52.74	0.13	7.22	12.34	8.71	0.02
SQU-US	2025-10-14 14:00:00	6.67	53.46	0.13	7.22	12.33	9.31	0.02
SQU-US	2025-10-14 14:15:00	6.78	54.65	0.13	7.22	12.30	8.15	0.02
SQU-US	2025-10-14 14:30:00	6.87	56.28	0.13	7.21	12.26	8.26	0.03
SQU-US	2025-10-14 14:45:00	6.90	55.93	0.13	7.21	12.24	9.10	0.02
SQU-US	2025-10-14 15:00:00	6.93	56.05	0.13	7.21	12.23	9.35	0.03
SQU-US	2025-10-14 15:15:00	6.96	57.23	0.13	7.21	12.20	7.84	0.03
SQU-US	2025-10-14 15:30:00	7.00	58.26	0.13	7.20	12.16	8.45	0.03
SQU-US	2025-10-14 15:45:00	6.94	56.92	0.13	7.20	12.18	8.54	0.03
SQU-US	2025-10-14 16:00:00	6.91	56.69	0.13	7.20	12.20	26.78	0.03
SQU-US	2025-10-14 16:15:00	6.89	57.86	0.13	7.20	12.18	9.24	0.03
SQU-US	2025-10-14 16:30:00	6.85	58.39	0.13	7.20	12.16	7.90	0.03
SQU-US	2025-10-14 16:45:00	6.77	58.66	0.14	7.19	12.15	8.30	0.03
SQU-US	2025-10-14 17:00:00	6.66	58.36	0.14	7.19	12.14	10.95	0.03
SQU-US	2025-10-14 17:15:00	6.58	58.32	0.14	7.18	12.16	12.33	0.03
SQU-US	2025-10-14 17:30:00	6.51	57.69	0.14	7.18	12.14	7.24	0.03
SQU-US	2025-10-14 17:45:00	6.38	56.67	0.14	7.17	12.16	11.13	0.03
SQU-US	2025-10-14 18:00:00	6.31	55.90	0.14	7.17	12.18	8.80	0.02
SQU-US	2025-10-14 18:15:00	6.27	55.25	0.13	7.15	12.19	9.29	0.02
SQU-US	2025-10-14 18:30:00	6.25	0.00	0.13	7.34	12.40	0.90	0.00
SQU-US	2025-10-14 18:45:00	6.18	0.00	0.13	7.34	12.66	1.03	0.00
SQU-US	2025-10-14 19:00:00		0.00			12.68		0.00
SQU-US	2025-10-14 19:15:00	6.10	0.00	0.13	7.34	12.69	0.66	0.00
SQU-US	2025-10-14 19:30:00	6.05	0.00	0.13	7.33	12.71	0.65	0.00
SQU-US	2025-10-14 19:45:00	5.99	0.00	0.13	7.33	12.73	0.62	0.00
SQU-US	2025-10-14 20:00:00	5.94	0.00	0.13	7.32	12.75	0.59	0.00
SQU-US	2025-10-14 20:15:00	5.87	0.00	0.13	7.31	12.76	0.59	0.00
SQU-US	2025-10-14 20:30:00	5.81	0.00	0.13	7.30	12.79	0.59	0.00
SQU-US	2025-10-14 20:45:00	5.77	0.00	0.14	7.28	12.81	0.63	0.00
SQU-US	2025-10-14 21:00:00	5.70	0.00	0.14	7.27	12.83	0.60	0.00
SQU-US	2025-10-14 21:15:00	5.64	0.00	0.14	7.25	12.85	0.58	0.00
SQU-US	2025-10-14 21:30:00	5.59	0.00	0.14	7.23	12.87	0.62	0.00
SQU-US	2025-10-14 21:45:00	5.53	0.00	0.14	7.21	12.88	0.60	0.00
SQU-US	2025-10-14 22:00:00	5.47	0.00	0.15	7.20	12.90	0.58	0.00
SQU-US	2025-10-14 22:15:00	5.41	0.00	0.15	7.19	12.93	0.58	0.00
SQU-US	2025-10-14 22:30:00	5.38	0.00	0.15	7.18	12.95	0.62	0.00
SQU-US	2025-10-14 22:45:00	5.31	0.00	0.15	7.17	12.96	0.58	0.00
SQU-US	2025-10-14 23:00:00	5.24	0.00	0.15	7.16	13.00	0.60	0.00
SQU-US	2025-10-14 23:15:00	5.19	0.00	0.15	7.14	13.00	0.58	0.00
SQU-US	2025-10-14 23:30:00	5.17	0.00	0.15	7.13	13.02	0.62	0.00
SQU-US	2025-10-14 23:45:00	5.16	0.00	0.16	7.11	13.02	0.65	0.00
SQU-US	2025-10-15 00:00:00		0.00			13.03		0.00
SQU-US	2025-10-15 00:15:00	5.10	0.00	0.16	7.08	13.04	0.93	0.00
SQU-US	2025-10-15 00:30:00	5.09	0.00	0.16	7.07	13.06	0.65	0.00

Squamish River								
Station	Date/Time	Temperature (C)	Specific Conductivity (µS/cm)	ORP (V)	pH (pH units)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	Salinity (PSU)
SQU-US	2025-10-15 00:45:00	5.04	0.00	0.16	7.05	13.06	0.57	0.00
SQU-US	2025-10-15 01:00:00	4.99	0.00	0.16	7.04	13.08	0.56	0.00
SQU-US	2025-10-15 01:15:00	4.91	0.00	0.16	7.02	13.11	0.51	0.00
SQU-US	2025-10-15 01:30:00	4.84	0.00	0.16	7.01	13.12	0.52	0.00
SQU-US	2025-10-15 01:45:00	4.80	0.00	0.16	6.99	13.15	0.52	0.00
SQU-US	2025-10-15 02:00:00	4.73	0.00	0.16	6.97	13.16	0.51	0.00
SQU-US	2025-10-15 02:15:00	4.65	0.00	0.17	6.96	13.19	0.54	0.00
SQU-US	2025-10-15 02:30:00	4.59	0.00	0.17	6.94	13.20	0.54	0.00
SQU-US	2025-10-15 02:45:00	4.53	0.00	0.17	6.93	13.23	0.50	0.00
SQU-US	2025-10-15 03:00:00	4.50	0.00	0.17	6.92	13.23	0.51	0.00
SQU-US	2025-10-15 03:15:00	4.48	0.00	0.17	6.90	13.25	0.50	0.00
SQU-US	2025-10-15 03:30:00	4.43	0.00	0.17	6.89	13.27	0.53	0.00
SQU-US	2025-10-15 03:45:00	4.35	0.00	0.17	6.87	13.29	0.50	0.00
SQU-US	2025-10-15 04:00:00	4.35	0.00	0.17	6.86	13.30	0.52	0.00
SQU-US	2025-10-15 04:15:00	4.34	0.00	0.17	6.85	13.30	0.49	0.00
SQU-US	2025-10-15 04:30:00	4.30	0.00	0.17	6.84	13.30	0.54	0.00
SQU-US	2025-10-15 04:45:00	4.25	0.00	0.17	6.83	13.32	0.49	0.00
SQU-US	2025-10-15 05:00:00	4.15	0.00	0.17	6.82	13.36	0.50	0.00
SQU-US	2025-10-15 05:15:00	4.12	0.00	0.17	6.81	13.36	0.48	0.00
SQU-US	2025-10-15 05:30:00	4.11	0.00	0.17	6.80	13.37	0.47	0.00
SQU-US	2025-10-15 05:45:00	4.11	0.00	0.18	6.79	13.37	0.48	0.00
SQU-US	2025-10-15 06:00:00	4.11	0.00	0.18	6.78	13.36	0.44	0.00
SQU-US	2025-10-15 06:15:00	4.09	0.00	0.18	6.77	13.37	0.47	0.00
SQU-US	2025-10-15 06:30:00	4.00	0.00	0.18	6.76	13.41	0.45	0.00
SQU-US	2025-10-15 06:45:00	3.87	0.00	0.18	6.75	13.45	0.45	0.00
SQU-US	2025-10-15 07:00:00	3.87	0.00	0.18	6.74	13.46	0.44	0.00
SQU-US	2025-10-15 07:15:00	3.83	0.00	0.18	6.74	13.46	0.40	0.00
SQU-US	2025-10-15 07:30:00	3.82	0.00	0.18	6.73	13.46	0.45	0.00
SQU-US	2025-10-15 07:45:00	3.83	0.00	0.18	6.72	13.46	0.42	0.00
SQU-US	2025-10-15 08:00:00	3.84	0.00	0.18	6.72	13.46	0.44	0.00
SQU-US	2025-10-15 08:15:00	3.86	0.00	0.18	6.71	13.45	0.47	0.00
SQU-US	2025-10-15 08:30:00	3.89	0.00	0.18	6.70	13.45	0.44	0.00
SQU-US	2025-10-15 08:45:00	3.89	0.00	0.18	6.70	13.45	0.46	0.00
SQU-US	2025-10-15 09:00:00	3.96	0.00	0.18	6.69	13.42	0.50	0.00
SQU-US	2025-10-15 09:15:00	4.23	0.00	0.18	6.70	13.32	0.44	0.00
SQU-US	2025-10-15 09:30:00	4.53	0.00	0.18	6.70	13.23	0.50	0.00
SQU-US	2025-10-15 09:45:00	4.93	0.00	0.18	6.71	13.09	0.48	0.00
SQU-US	2025-10-15 10:00:00	5.31	0.00	0.18	6.72	12.96	0.50	0.00
SQU-US	2025-10-15 10:15:00	5.59	0.00	0.18	6.72	12.87	0.49	0.00
SQU-US	2025-10-15 10:30:00	5.77	0.00	0.18	6.72	12.80	0.56	0.00
SQU-US	2025-10-15 10:45:00	6.31	35.30	0.11	7.16	12.12	13.50	0.02
SQU-US	2025-10-15 11:00:00	6.34	33.51	0.11	7.15	12.10	11.65	0.01
SQU-US	2025-10-15 11:15:00	6.36	33.63	0.11	7.15	12.11	7.62	0.01
SQU-US	2025-10-15 11:30:00	6.41	33.54	0.10	7.14	12.12	10.97	0.01
SQU-US	2025-10-15 11:45:00	6.49	33.44	0.10	7.14	12.12	13.18	0.01
SQU-US	2025-10-15 12:00:00	6.57	33.30	0.10	7.09	12.13	9.36	0.01
SQU-US	2025-10-15 12:15:00	6.65	32.76	0.10	7.14	12.16	16.91	0.01
SQU-US	2025-10-15 12:30:00	6.70	32.76	0.10	7.19	12.18	9.03	0.01
SQU-US	2025-10-15 12:45:00	6.74	32.24	0.10	7.19	12.22	8.71	0.01
SQU-US	2025-10-15 13:00:00	6.79	32.26	0.10	7.23	12.23	9.32	0.01
SQU-US	2025-10-15 13:15:00	6.84	32.58	0.10	7.24	12.23	7.41	0.01

Squamish River								
Station	Date/Time	Temperature (C)	Specific Conductivity (µS/cm)	ORP (V)	pH (pH units)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	Salinity (PSU)
SQU-US	2025-10-15 13:30:00	6.91	33.09	0.10	7.26	12.22	9.35	0.01
SQU-US	2025-10-15 13:45:00	7.02	33.81	0.10	7.24	12.15	10.53	0.01
SQU-US	2025-10-15 14:00:00	7.06	33.04	0.10	7.26	12.19	13.35	0.01
SQU-US	2025-10-15 14:15:00	7.12	33.80	0.10	7.26	12.21	6.32	0.01
SQU-US	2025-10-15 14:30:00	7.19	35.74	0.10	7.25	12.20	7.30	0.02
SQU-US	2025-10-15 14:45:00	7.22	36.05	0.10	7.26	12.20	6.53	0.02
SQU-US	2025-10-15 15:00:00	7.29	36.68	0.10	7.26	12.19	7.41	0.02
SQU-US	2025-10-15 15:15:00	7.37	37.36	0.10	7.25	12.15	6.39	0.02
SQU-US	2025-10-15 15:30:00	7.45	38.36	0.11	7.25	12.11	5.76	0.02
SQU-US	2025-10-15 15:45:00	7.47	38.51	0.11	7.25	12.09	6.04	0.02
SQU-US	2025-10-15 16:00:00	7.44	37.61	0.11	7.25	12.10	6.62	0.02
SQU-US	2025-10-15 16:15:00	7.46	37.10	0.11	7.25	12.09	7.00	0.02
SQU-US	2025-10-15 16:30:00	7.44	37.98	0.11	7.25	12.05	5.95	0.02
SQU-US	2025-10-15 16:45:00	7.42	39.73	0.12	7.22	11.97	5.12	0.02
SQU-US	2025-10-15 17:00:00	7.29	39.36	0.12	7.22	11.95	6.96	0.02
SQU-US	2025-10-15 17:15:00	7.15	38.79	0.12	7.23	11.99	7.03	0.02
SQU-US	2025-10-15 17:30:00	7.07	40.57	0.12	7.22	11.97	9.46	0.02
SQU-US	2025-10-15 17:45:00	6.95	40.75	0.12	7.21	11.94	11.78	0.02
SQU-US	2025-10-15 18:00:00	6.80	39.97	0.11	7.19	11.97	6.19	0.02
SQU-US	2025-10-15 18:15:00	6.68	38.53	0.11	7.19	12.02	6.89	0.02
SQU-US	2025-10-15 18:30:00	6.60	38.09	0.11	7.18	12.03	8.25	0.02
SQU-US	2025-10-15 18:45:00	6.55	37.69	0.11	7.17	12.01	8.36	0.02
SQU-US	2025-10-15 19:00:00	6.51	37.72	0.11	7.13	12.03	13.31	0.02
SQU-US	2025-10-15 19:15:00	6.47	36.73	0.10	7.16	12.02	15.07	0.02
SQU-US	2025-10-15 19:30:00	6.43	36.62	0.10	7.12	12.03	12.19	0.02
SQU-US	2025-10-15 19:45:00	6.40	36.15	0.10	7.13	12.03	9.01	0.02
SQU-US	2025-10-15 20:00:00	6.38	35.95	0.10	7.11	12.03	10.79	0.02
SQU-US	2025-10-15 20:15:00	6.37	36.11	0.10	7.10	12.02	8.61	0.02
SQU-US	2025-10-15 20:30:00	6.35	35.98	0.10	7.10	12.03	11.17	0.02
SQU-US	2025-10-15 20:45:00	6.33	35.66	0.10	7.10	12.03	7.18	0.02
SQU-US	2025-10-15 21:00:00	6.32	35.79	0.10	7.09	12.02	9.19	0.02
SQU-US	2025-10-15 21:15:00	6.31	35.87	0.10	7.10	12.03	9.25	0.02
SQU-US	2025-10-15 21:30:00	6.32	36.00	0.10	7.11	12.02	9.60	0.02
SQU-US	2025-10-15 21:45:00	6.31	35.81	0.10	7.10	12.05	7.77	0.02
SQU-US	2025-10-15 22:00:00	6.31	35.85	0.10	7.10	12.03	8.96	0.02
SQU-US	2025-10-15 22:15:00	6.31	35.75	0.10	7.10	12.03	9.99	0.02
SQU-US	2025-10-15 22:30:00	6.31	35.92	0.10	7.10	12.03	8.91	0.02
SQU-US	2025-10-15 22:45:00	6.31	35.78	0.10	7.11	12.04	8.23	0.02
SQU-US	2025-10-15 23:00:00	6.31	35.84	0.10	7.12	12.03	8.45	0.02
SQU-US	2025-10-15 23:15:00	6.31	35.56	0.10	7.11	12.04	7.56	0.02
SQU-US	2025-10-15 23:30:00	6.29	35.80	0.10	7.09	12.04	10.11	0.02
SQU-US	2025-10-15 23:45:00	6.30	35.68	0.10	7.12	12.06	11.09	0.02
SQU-US	2025-10-16 00:00:00	6.29	35.74	0.09	7.12	12.05	7.33	0.02
SQU-US	2025-10-16 00:15:00	6.29	35.68	0.10	7.11	12.07	14.14	0.02
SQU-US	2025-10-16 00:30:00	6.28	35.55	0.09	7.13	12.08	7.22	0.02
SQU-US	2025-10-16 00:45:00	6.29	35.57	0.09	7.15	12.08	10.26	0.02
SQU-US	2025-10-16 01:00:00	6.30	35.45	0.09	7.15	12.08	9.59	0.02
SQU-US	2025-10-16 01:15:00	6.29	35.62	0.09	7.13	12.09	7.91	0.02
SQU-US	2025-10-16 01:30:00	6.30	35.39	0.09	7.14	12.08	5.87	0.02
SQU-US	2025-10-16 01:45:00	6.29	35.51	0.09	7.13	12.09	9.86	0.02
SQU-US	2025-10-16 02:00:00	6.30	35.70	0.09	7.16	12.07	6.56	0.02

Squamish River								
Station	Date/Time	Temperature (C)	Specific Conductivity (µS/cm)	ORP (V)	pH (pH units)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	Salinity (PSU)
SQU-US	2025-10-16 02:15:00	6.29	35.92	0.09	7.13	12.08	10.13	0.02
SQU-US	2025-10-16 02:30:00	6.30	35.76	0.09	7.15	12.07	5.46	0.02
SQU-US	2025-10-16 02:45:00	6.29	36.05	0.09	7.14	12.07	9.05	0.02
SQU-US	2025-10-16 03:00:00	6.28	35.81	0.09	7.15	12.05	9.88	0.02
SQU-US	2025-10-16 03:15:00	6.27	35.78	0.09	7.14	12.06	7.71	0.02
SQU-US	2025-10-16 03:30:00	6.27	35.98	0.09	7.13	12.05	8.72	0.02
SQU-US	2025-10-16 03:45:00	6.26	35.77	0.09	7.13	12.06	9.38	0.02
SQU-US	2025-10-16 04:00:00	6.25	35.74	0.09	7.12	12.06	10.00	0.02
SQU-US	2025-10-16 04:15:00	6.25	35.75	0.09	7.11	12.04	6.05	0.02
SQU-US	2025-10-16 04:30:00	6.24	35.63	0.09	7.12	12.06	7.86	0.02
SQU-US	2025-10-16 04:45:00	6.23	35.47	0.09	7.11	12.05	9.91	0.02
SQU-US	2025-10-16 05:00:00	6.22	35.63	0.09	7.12	12.05	8.07	0.02
SQU-US	2025-10-16 05:15:00	6.21	35.41	0.09	7.13	12.06	5.76	0.02
SQU-US	2025-10-16 05:30:00	6.19	35.39	0.09	7.13	12.07	8.95	0.02
SQU-US	2025-10-16 05:45:00	6.18	35.57	0.09	7.11	12.07	6.01	0.02
SQU-US	2025-10-16 06:00:00	6.17	35.41	0.09	7.12	12.06	10.67	0.02
SQU-US	2025-10-16 06:15:00	6.14	35.43	0.09	7.11	12.07	7.19	0.02
SQU-US	2025-10-16 06:30:00	6.13	35.46	0.09	7.11	12.08	6.22	0.02
SQU-US	2025-10-16 06:45:00	6.11	35.48	0.09	7.12	12.09	8.57	0.02
SQU-US	2025-10-16 07:00:00	6.11	35.60	0.09	7.13	12.08	7.71	0.02
SQU-US	2025-10-16 07:15:00	6.08	35.37	0.09	7.12	12.10	8.47	0.02
SQU-US	2025-10-16 07:30:00	6.08	35.43	0.09	7.13	12.10	10.47	0.02
SQU-US	2025-10-16 07:45:00	6.06	35.52	0.09	7.10	12.09	12.28	0.02
SQU-US	2025-10-16 08:00:00	6.05	35.41	0.09	7.12	12.10	8.00	0.02
SQU-US	2025-10-16 08:15:00	6.05	35.55	0.09	7.11	12.11	9.87	0.02
SQU-US	2025-10-16 08:30:00	6.06	35.90	0.09	7.11	12.08	7.74	0.02
SQU-US	2025-10-16 08:45:00	6.07	35.99	0.09	7.11	12.09	11.64	0.02
SQU-US	2025-10-16 09:00:00	6.08	35.91	0.09	7.12	12.09	8.38	0.02
SQU-US	2025-10-16 09:15:00	6.11	36.04	0.09	7.12	12.10	8.88	0.02
SQU-US	2025-10-16 09:30:00	6.16	36.04	0.09	7.11	12.10	11.84	0.02
SQU-US	2025-10-16 09:45:00	6.21	36.18	0.09	7.12	12.09	7.37	0.02
SQU-US	2025-10-16 10:00:00	6.26	36.17	0.09	7.12	12.11	8.39	0.02
SQU-US	2025-10-16 10:15:00	6.30	36.26	0.09	7.11	12.10	9.44	0.02
SQU-US	2025-10-16 10:30:00	6.33	36.24	0.09	7.12	12.10	8.86	0.02
SQU-US	2025-10-16 10:45:00	6.39	36.46	0.09	7.12	12.10	9.70	0.02
SQU-US	2025-10-16 11:00:00		36.37			12.09		0.02
SQU-US	2025-10-16 11:15:00	6.47	36.27	0.09	7.13	12.11	8.92	0.02
SQU-US	2025-10-16 11:30:00	6.52	36.34	0.09	7.12	12.09	11.92	0.02
SQU-US	2025-10-16 11:45:00	6.56	36.26	0.09	7.11	12.10	9.15	0.02
SQU-US	2025-10-16 12:00:00	6.60	36.16	0.09	7.13	12.10	13.34	0.02
SQU-US	2025-10-16 12:15:00	6.63	36.13	0.09	7.15	12.11	7.40	0.02
SQU-US	2025-10-16 12:30:00	6.66	36.23	0.09	7.13	12.09	11.92	0.02
SQU-US	2025-10-16 12:45:00	6.67	36.09	0.09	7.15	12.11	12.20	0.02
SQU-US	2025-10-16 13:00:00	6.66	35.87	0.09	7.16	12.16	11.80	0.02
SQU-US	2025-10-16 13:15:00	6.65	35.62	0.09	7.20	12.17	12.09	0.02
SQU-US	2025-10-16 13:30:00	6.65	35.27	0.09	7.22	12.21	9.72	0.02
SQU-US	2025-10-16 13:45:00	6.66	35.20	0.08	7.24	12.22	11.75	0.02
SQU-US	2025-10-16 14:00:00	6.70	35.56	0.09	7.24	12.24	9.98	0.02
SQU-US	2025-10-16 14:15:00	6.76	36.09	0.09	7.26	12.21	9.07	0.02
SQU-US	2025-10-16 14:30:00	6.77	36.20	0.09	7.25	12.19	8.16	0.02
SQU-US	2025-10-16 14:45:00	6.80	36.97	0.09	7.24	12.20	7.25	0.02

Squamish River								
Station	Date/Time	Temperature (C)	Specific Conductivity (µS/cm)	ORP (V)	pH (pH units)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	Salinity (PSU)
SQU-US	2025-10-16 15:00:00		36.66			12.21		0.02
SQU-US	2025-10-16 15:15:00	6.96	39.74	0.09	7.24	12.13	7.33	0.02
SQU-US	2025-10-16 15:30:00	6.94	41.08	0.09	7.23	12.12	6.88	0.02
SQU-US	2025-10-16 15:45:00	6.92	41.76	0.09	7.23	12.17	7.31	0.02
SQU-US	2025-10-16 16:00:00	6.94	48.52	0.09	7.23	12.16	7.57	0.02
SQU-US	2025-10-16 16:15:00	7.00	50.19	0.09	7.23	12.16	8.48	0.02
SQU-US	2025-10-16 16:30:00	7.02	51.89	0.10	7.21	12.11	11.52	0.02
SQU-US	2025-10-16 16:45:00	7.02	51.73	0.10	7.23	12.14	11.08	0.02
SQU-US	2025-10-16 17:00:00	7.01	51.37	0.10	7.23	12.13	8.29	0.02
SQU-US	2025-10-16 17:15:00	6.98	50.92	0.10	7.24	12.16	10.96	0.02
SQU-US	2025-10-16 17:30:00	6.97	51.10	0.10	7.22	12.14	10.37	0.02
SQU-US	2025-10-16 17:45:00	7.00	52.58	0.10	7.22	12.09	9.49	0.02
SQU-US	2025-10-16 18:00:00	6.97	52.56	0.10	7.23	12.10	8.47	0.02
SQU-US	2025-10-16 18:15:00	6.96	53.30	0.10	7.21	12.07	9.77	0.02
SQU-US	2025-10-16 18:30:00	6.91	52.39	0.10	7.21	12.07	11.17	0.02
SQU-US	2025-10-16 18:45:00	6.88	52.06	0.10	7.21	12.06	11.19	0.02
SQU-US	2025-10-16 19:00:00	6.84	50.99	0.10	7.21	12.07	11.95	0.02
SQU-US	2025-10-16 19:15:00	6.81	50.28	0.10	7.18	12.07	20.42	0.02
SQU-US	2025-10-16 19:30:00	6.80	49.30	0.10	7.20	12.09	14.86	0.02
SQU-US	2025-10-16 19:45:00	6.81	49.20	0.09	7.21	12.08	11.25	0.02
SQU-US	2025-10-16 20:00:00	6.85	48.89	0.10	7.17	12.07	14.99	0.02
SQU-US	2025-10-16 20:15:00	6.88	48.77	0.10	7.16	12.06	11.10	0.02
SQU-US	2025-10-16 20:30:00	6.93	48.93	0.09	7.18	12.03	11.83	0.02
SQU-US	2025-10-16 20:45:00	6.96	48.93	0.09	7.15	12.01	14.67	0.02
SQU-US	2025-10-16 21:00:00	7.01	49.29	0.09	7.18	11.99	12.07	0.02
SQU-US	2025-10-16 21:15:00	7.07	49.35	0.09	7.18	11.98	9.31	0.02
SQU-US	2025-10-16 21:30:00	7.10	49.53	0.09	7.18	11.96	12.81	0.02
SQU-US	2025-10-16 21:45:00	7.14	49.85	0.09	7.20	11.95	7.81	0.02
SQU-US	2025-10-16 22:00:00	7.17	50.04	0.09	7.20	11.93	10.64	0.02
SQU-US	2025-10-16 22:15:00	7.20	50.25	0.09	7.17	11.93	9.99	0.02
SQU-US	2025-10-16 22:30:00	7.23	50.35	0.09	7.17	11.91	14.18	0.02
SQU-US	2025-10-16 22:45:00	7.25	50.38	0.09	7.19	11.90	10.92	0.02
SQU-US	2025-10-16 23:00:00	7.27	50.46	0.09	7.19	11.89	9.62	0.02
SQU-US	2025-10-16 23:15:00	7.27	50.48	0.09	7.19	11.89	11.10	0.02
SQU-US	2025-10-16 23:30:00	7.28	50.53	0.09	7.18	11.89	10.51	0.02
SQU-US	2025-10-16 23:45:00	7.28	50.39	0.09	7.19	11.88	12.55	0.02
SQU-US	2025-10-17 00:00:00	7.29	50.07	0.09	7.18	11.88	12.17	0.02
SQU-US	2025-10-17 00:15:00	7.28	50.01	0.09	7.18	11.89	10.79	0.02
SQU-US	2025-10-17 00:30:00	7.28	49.78	0.09	7.20	11.88	12.01	0.02
SQU-US	2025-10-17 00:45:00	7.29	49.59	0.09	7.19	11.88	10.11	0.02
SQU-US	2025-10-17 01:00:00	7.28	49.51	0.09	7.17	11.89	10.12	0.02
SQU-US	2025-10-17 01:15:00	7.28	49.36	0.09	7.20	11.89	7.10	0.02
SQU-US	2025-10-17 01:30:00	7.27	49.44	0.09	7.20	11.88	11.29	0.02
SQU-US	2025-10-17 01:45:00	7.28	49.18	0.09	7.20	11.89	12.00	0.02
SQU-US	2025-10-17 02:00:00	7.27	49.22	0.09	7.20	11.89	11.03	0.02
SQU-US	2025-10-17 02:15:00	7.28	49.08	0.09	7.20	11.89	9.30	0.02
SQU-US	2025-10-17 02:30:00	7.27	49.03	0.09	7.21	11.87	7.39	0.02
SQU-US	2025-10-17 02:45:00	7.27	48.84	0.09	7.23	11.89	9.54	0.02
SQU-US	2025-10-17 03:00:00	7.28	49.24	0.09	7.21	11.89	8.07	0.02
SQU-US	2025-10-17 03:15:00	7.30	49.48	0.09	7.22	11.88	10.57	0.02
SQU-US	2025-10-17 03:30:00	7.30	49.47	0.09	7.20	11.85	8.22	0.02

Squamish River								
Station	Date/Time	Temperature (C)	Specific Conductivity (µS/cm)	ORP (V)	pH (pH units)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	Salinity (PSU)
SQU-US	2025-10-17 03:45:00	7.31	49.33	0.09	7.24	11.87	8.78	0.02
SQU-US	2025-10-17 04:00:00	7.32	49.85	0.09	7.21	11.85	9.55	0.02
SQU-US	2025-10-17 04:15:00	7.34	50.02	0.09	7.21	11.84	9.29	0.02
SQU-US	2025-10-17 04:30:00	7.36	50.17	0.09	7.19	11.82	6.76	0.02
SQU-US	2025-10-17 04:45:00	7.37	50.79	0.09	7.21	11.82	7.74	0.02
SQU-US	2025-10-17 05:00:00	7.38	51.09	0.09	7.19	11.80	7.97	0.02
SQU-US	2025-10-17 05:15:00	7.39	51.27	0.09	7.17	11.78	7.86	0.02
SQU-US	2025-10-17 05:30:00	7.40	51.13	0.09	7.17	11.77	9.78	0.02
SQU-US	2025-10-17 05:45:00	7.40	51.40	0.09	7.18	11.75	8.19	0.02
SQU-US	2025-10-17 06:00:00	7.40	51.44	0.09	7.18	11.75	8.91	0.02
SQU-US	2025-10-17 06:15:00	7.40	51.32	0.09	7.16	11.74	8.56	0.02
SQU-US	2025-10-17 06:30:00	7.40	51.16	0.09	7.13	11.74	8.85	0.02
SQU-US	2025-10-17 06:45:00	7.39	51.43	0.09	7.14	11.74	7.92	0.02
SQU-US	2025-10-17 07:00:00		51.48			11.73		0.02
SQU-US	2025-10-17 07:15:00	7.39	51.50	0.09	7.15	11.71	9.17	0.02
SQU-US	2025-10-17 07:30:00	7.39	51.41	0.09	7.13	11.72	7.63	0.02
SQU-US	2025-10-17 07:45:00	7.38	51.54	0.09	7.14	11.71	9.71	0.02
SQU-US	2025-10-17 08:00:00	7.38	51.45	0.09	7.15	11.72	9.30	0.02
SQU-US	2025-10-17 08:15:00	7.39	51.83	0.09	7.14	11.71	8.26	0.02
SQU-US	2025-10-17 08:30:00	7.40	52.31	0.09	7.12	11.69	10.04	0.02
SQU-US	2025-10-17 08:45:00	7.40	52.18	0.09	7.14	11.69	8.56	0.02
SQU-US	2025-10-17 09:00:00		52.41			11.68		0.02
SQU-US	2025-10-17 09:15:00	7.42	52.64	0.09	7.14	11.68	9.49	0.02
SQU-US	2025-10-17 09:30:00	7.43	52.87	0.09	7.14	11.68	10.14	0.02
SQU-US	2025-10-17 09:45:00	7.46	52.96	0.09	7.13	11.70	7.18	0.02
SQU-US	2025-10-17 10:00:00	7.50	53.11	0.09	7.14	11.70	10.86	0.02
SQU-US	2025-10-17 10:15:00	7.54	53.27	0.09	7.14	11.69	11.60	0.02
SQU-US	2025-10-17 10:30:00	7.60	53.43	0.09	7.13	11.69	11.28	0.02
SQU-US	2025-10-17 10:45:00	7.66	53.40	0.09	7.14	11.71	8.27	0.02
SQU-US	2025-10-17 11:00:00	7.71	53.41	0.09	7.14	11.72	8.71	0.02
SQU-US	2025-10-17 11:15:00	7.80	53.40	0.09	7.15	11.70	17.32	0.02
SQU-US	2025-10-17 11:30:00	7.91	53.47	0.09	7.15	11.69	19.12	0.02
SQU-US	2025-10-17 11:45:00	8.02	53.45	0.09	7.16	11.68	11.97	0.02
SQU-US	2025-10-17 12:00:00	8.11	53.46	0.09	7.15	11.67	10.96	0.02
SQU-US	2025-10-17 12:15:00	8.24	53.60	0.09	7.15	11.66	13.48	0.02
SQU-US	2025-10-17 12:30:00	8.37	53.82	0.09	7.15	11.65	10.23	0.02
SQU-US	2025-10-17 12:45:00	8.45	53.87	0.09	7.16	11.64	9.74	0.02
SQU-US	2025-10-17 13:00:00	8.48	53.71	0.09	7.16	11.62	7.10	0.02
SQU-US	2025-10-17 13:15:00	8.50	53.48	0.09	7.17	11.64	7.90	0.02
SQU-US	2025-10-17 13:30:00	8.52	53.07	0.09	7.19	11.65	10.54	0.02
SQU-US	2025-10-17 13:45:00	8.50	52.40	0.09	7.22	11.70	11.95	0.02
SQU-US	2025-10-17 14:00:00	8.50	51.50	0.09	7.24	11.71	10.06	0.02
SQU-US	2025-10-17 14:15:00	8.49	51.24	0.09	7.28	11.76	8.20	0.02
SQU-US	2025-10-17 14:30:00	8.45	51.15	0.09	7.28	11.76	6.79	0.02
SQU-US	2025-10-17 14:45:00	8.47	51.16	0.09	7.28	11.78	7.04	0.02
SQU-US	2025-10-17 15:00:00	8.50	51.37	0.09	7.28	11.77	7.00	0.02
SQU-US	2025-10-17 15:15:00	8.56	51.69	0.09	7.28	11.76	8.81	0.02
SQU-US	2025-10-17 15:30:00	8.56	51.60	0.09	7.29	11.77	9.96	0.02
SQU-US	2025-10-17 15:45:00	8.54	51.95	0.09	7.28	11.79	6.30	0.02
SQU-US	2025-10-17 16:00:00	8.50	52.53	0.09	7.29	11.79	6.48	0.02
SQU-US	2025-10-17 16:15:00	8.49	53.51	0.09	7.28	11.78	6.10	0.02

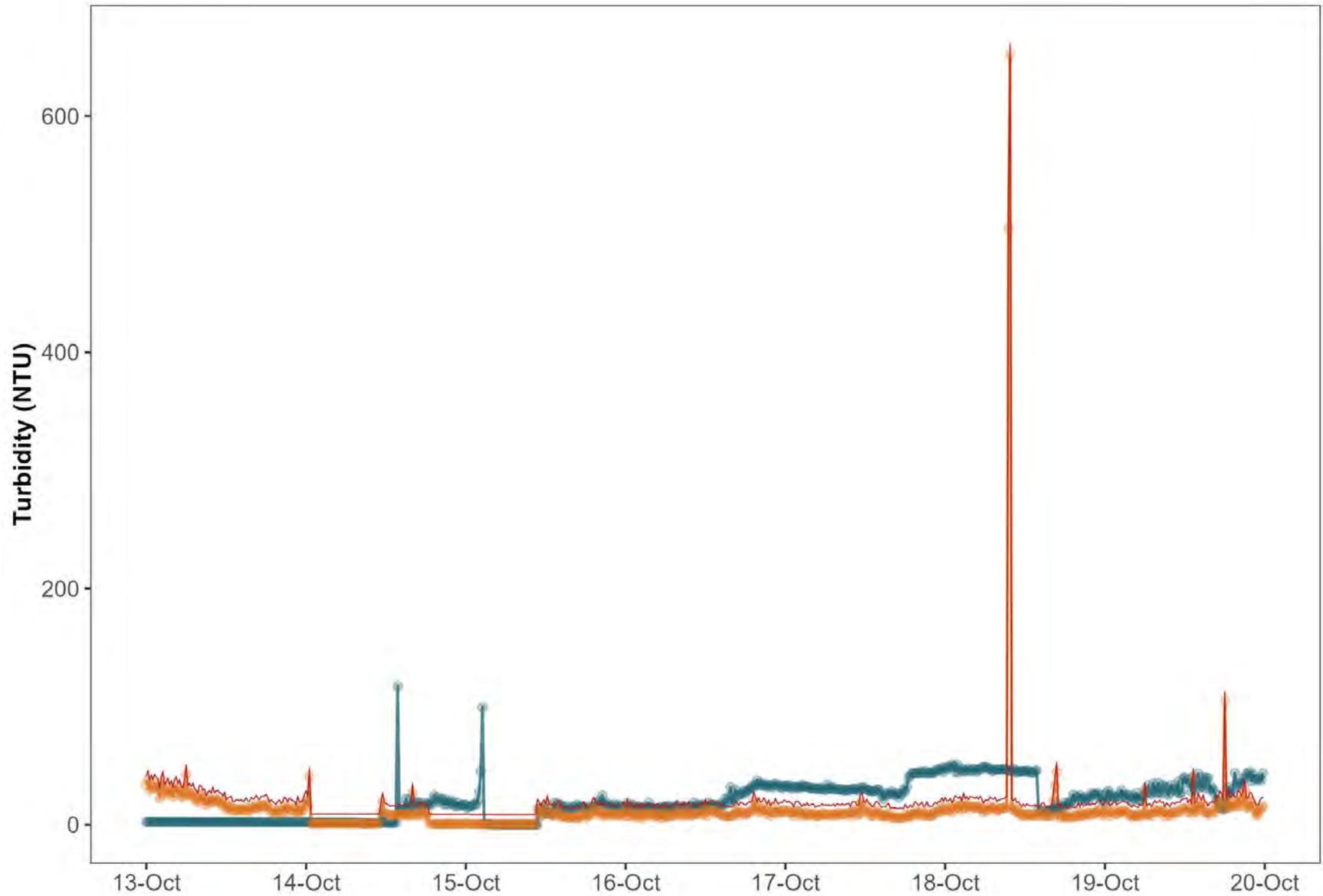
Squamish River								
Station	Date/Time	Temperature (C)	Specific Conductivity (µS/cm)	ORP (V)	pH (pH units)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	Salinity (PSU)
SQU-US	2025-10-17 16:30:00	8.48	54.60	0.09	7.27	11.76	6.33	0.02
SQU-US	2025-10-17 16:45:00	8.45	55.29	0.09	7.27	11.73	5.69	0.02
SQU-US	2025-10-17 17:00:00	8.39	55.58	0.10	7.26	11.71	5.57	0.02
SQU-US	2025-10-17 17:15:00	8.32	56.73	0.10	7.25	11.68	6.16	0.03
SQU-US	2025-10-17 17:30:00	8.25	58.57	0.10	7.24	11.64	5.59	0.03
SQU-US	2025-10-17 17:45:00	8.15	59.33	0.10	7.23	11.64	5.90	0.03
SQU-US	2025-10-17 18:00:00	8.11	60.80	0.10	7.21	11.58	9.12	0.03
SQU-US	2025-10-17 18:15:00	8.03	60.90	0.11	7.19	11.56	6.63	0.03
SQU-US	2025-10-17 18:30:00	7.94	59.47	0.11	7.19	11.58	6.58	0.03
SQU-US	2025-10-17 18:45:00	7.85	58.65	0.10	7.20	11.61	8.84	0.03
SQU-US	2025-10-17 19:00:00	7.82	58.91	0.10	7.20	11.59	6.93	0.03
SQU-US	2025-10-17 19:15:00	7.78	58.33	0.10	7.19	11.59	8.71	0.03
SQU-US	2025-10-17 19:30:00	7.70	56.88	0.10	7.17	11.62	11.61	0.03
SQU-US	2025-10-17 19:45:00	7.65	56.16	0.10	7.18	11.63	9.88	0.03
SQU-US	2025-10-17 20:00:00	7.59	55.42	0.10	7.17	11.65	8.03	0.02
SQU-US	2025-10-17 20:15:00	7.55	54.90	0.10	7.17	11.66	9.41	0.02
SQU-US	2025-10-17 20:30:00	7.50	54.76	0.10	7.12	11.65	11.07	0.02
SQU-US	2025-10-17 20:45:00	7.48	54.60	0.10	7.12	11.67	7.62	0.02
SQU-US	2025-10-17 21:00:00	7.45	54.34	0.10	7.12	11.68	8.16	0.02
SQU-US	2025-10-17 21:15:00	7.43	54.01	0.10	7.11	11.69	11.29	0.02
SQU-US	2025-10-17 21:30:00	7.41	53.89	0.10	7.13	11.70	8.04	0.02
SQU-US	2025-10-17 21:45:00	7.40	53.43	0.09	7.14	11.71	7.71	0.02
SQU-US	2025-10-17 22:00:00	7.39	53.29	0.09	7.14	11.72	7.32	0.02
SQU-US	2025-10-17 22:15:00	7.39	53.02	0.09	7.15	11.75	9.23	0.02
SQU-US	2025-10-17 22:30:00	7.39	52.84	0.09	7.15	11.74	10.86	0.02
SQU-US	2025-10-17 22:45:00	7.39	52.47	0.09	7.17	11.76	9.54	0.02
SQU-US	2025-10-17 23:00:00	7.37	51.91	0.09	7.18	11.78	11.79	0.02
SQU-US	2025-10-17 23:15:00	7.36	51.41	0.09	7.19	11.80	11.54	0.02
SQU-US	2025-10-17 23:30:00	7.34	51.13	0.09	7.18	11.82	14.64	0.02
SQU-US	2025-10-17 23:45:00	7.33	50.68	0.09	7.17	11.83	11.60	0.02
SQU-US	2025-10-18 00:00:00	7.32	50.19	0.09	7.18	11.85	15.13	0.02
SQU-US	2025-10-18 00:15:00	7.32	50.00	0.09	7.11	11.86	11.88	0.02
SQU-US	2025-10-18 00:30:00	7.32	49.86	0.09	7.19	11.85	12.19	0.02
SQU-US	2025-10-18 00:45:00	7.32	49.67	0.09	7.15	11.85	14.26	0.02
SQU-US	2025-10-18 01:00:00	7.32	49.74	0.09	7.19	11.86	10.61	0.02
SQU-US	2025-10-18 01:15:00	7.31	49.60	0.09	7.17	11.87	12.98	0.02
SQU-US	2025-10-18 01:30:00	7.33	49.59	0.09	7.14	11.85	16.55	0.02
SQU-US	2025-10-18 01:45:00	7.33	49.58	0.09	7.15	11.86	15.41	0.02
SQU-US	2025-10-18 02:00:00	7.33	49.64	0.09	7.18	11.86	14.08	0.02
SQU-US	2025-10-18 02:15:00	7.33	49.87	0.09	7.18	11.85	16.01	0.02
SQU-US	2025-10-18 02:30:00	7.32	49.64	0.09	7.18	11.87	11.77	0.02
SQU-US	2025-10-18 02:45:00	7.31	49.55	0.09	7.19	11.87	18.78	0.02
SQU-US	2025-10-18 03:00:00	7.30	49.54	0.09	7.21	11.89	14.14	0.02
SQU-US	2025-10-18 03:15:00	7.30	49.69	0.09	7.22	11.88	15.79	0.02
SQU-US	2025-10-18 03:30:00	7.28	49.74	0.09	7.21	11.89	13.09	0.02
SQU-US	2025-10-18 03:45:00	7.27	49.82	0.09	7.24	11.90	15.97	0.02
SQU-US	2025-10-18 04:00:00	7.26	49.82	0.09	7.26	11.91	15.28	0.02
SQU-US	2025-10-18 04:15:00	7.25	50.39	0.09	7.25	11.91	15.33	0.02
SQU-US	2025-10-18 04:30:00	7.27	51.54	0.09	7.23	11.90	14.09	0.02
SQU-US	2025-10-18 04:45:00	7.28	51.81	0.09	7.25	11.87	15.58	0.02
SQU-US	2025-10-18 05:00:00	7.27	51.59	0.09	7.25	11.90	13.41	0.02

Squamish River								
Station	Date/Time	Temperature (C)	Specific Conductivity (µS/cm)	ORP (V)	pH (pH units)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	Salinity (PSU)
SQU-US	2025-10-18 05:15:00	7.25	51.22	0.09	7.26	11.92	16.15	0.02
SQU-US	2025-10-18 05:30:00	7.28	52.67	0.09	7.25	11.88	13.75	0.02
SQU-US	2025-10-18 05:45:00	7.31	53.77	0.09	7.22	11.83	10.13	0.02
SQU-US	2025-10-18 06:00:00	7.31	53.73	0.09	7.20	11.82	12.59	0.02
SQU-US	2025-10-18 06:15:00	7.29	53.26	0.09	7.21	11.85	12.88	0.02
SQU-US	2025-10-18 06:30:00	7.28	53.30	0.09	7.16	11.83	12.73	0.02
SQU-US	2025-10-18 06:45:00	7.28	53.20	0.09	7.20	11.84	15.47	0.02
SQU-US	2025-10-18 07:00:00	7.27	53.25	0.09	7.20	11.84	14.13	0.02
SQU-US	2025-10-18 07:15:00	7.26	53.26	0.09	7.19	11.81	13.42	0.02
SQU-US	2025-10-18 07:30:00	7.25	53.37	0.09	7.17	11.81	15.22	0.02
SQU-US	2025-10-18 07:45:00	7.23	53.51	0.09	7.15	11.82	11.92	0.02
SQU-US	2025-10-18 08:00:00	7.22	53.41	0.09	7.14	11.81	12.60	0.02
SQU-US	2025-10-18 08:15:00	7.21	53.37	0.09	7.15	11.81	13.24	0.02
SQU-US	2025-10-18 08:30:00	7.20	53.21	0.09	7.14	11.81	13.71	0.02
SQU-US	2025-10-18 08:45:00	7.20	53.95	0.09	7.14	11.79	13.89	0.02
SQU-US	2025-10-18 09:00:00	7.19	53.93	0.09	7.13	11.79	14.62	0.02
SQU-US	2025-10-18 09:15:00	7.18	54.05	0.09	7.13	11.80	15.33	0.02
SQU-US	2025-10-18 09:30:00	7.18	54.14	0.09	7.13	11.80	504.44	0.02
SQU-US	2025-10-18 09:45:00	7.18	54.32	0.09	7.11	11.78	652.90	0.02
SQU-US	2025-10-18 10:00:00	7.18	54.47	0.09	7.12	11.78	13.44	0.02
SQU-US	2025-10-18 10:15:00	7.18	54.57	0.09	7.12	11.76	12.28	0.02
SQU-US	2025-10-18 10:30:00	7.20	54.83	0.09	7.11	11.75	14.26	0.02
SQU-US	2025-10-18 10:45:00	7.20	54.99	0.09	7.12	11.78	10.80	0.02
SQU-US	2025-10-18 11:00:00	7.21	55.08	0.09	7.12	11.76	11.50	0.02
SQU-US	2025-10-18 11:15:00	7.22	55.30	0.09	7.11	11.79	9.19	0.02
SQU-US	2025-10-18 11:30:00	7.23	55.49	0.10	7.10	11.77	7.26	0.02
SQU-US	2025-10-18 11:45:00	7.25	55.65	0.09	7.11	11.77	9.40	0.02
SQU-US	2025-10-18 12:00:00	7.26	55.86	0.10	7.11	11.77	7.46	0.02
SQU-US	2025-10-18 12:15:00	7.26	55.83	0.10	7.11	11.75	9.63	0.02
SQU-US	2025-10-18 12:30:00	7.26	55.97	0.10	7.10	11.76	8.63	0.03
SQU-US	2025-10-18 12:45:00	7.27	56.14	0.09	7.11	11.76	7.94	0.03
SQU-US	2025-10-18 13:00:00	7.27	56.04	0.10	7.10	11.75	8.04	0.03
SQU-US	2025-10-18 13:15:00	7.27	56.33	0.10	7.11	11.76	7.97	0.03
SQU-US	2025-10-18 13:30:00	7.28	56.29	0.10	7.09	11.74	8.94	0.03
SQU-US	2025-10-18 13:45:00	7.28	55.94	0.09	7.14	11.81	7.31	0.03
SQU-US	2025-10-18 14:00:00	7.26	55.09	0.09	7.17	11.84	9.40	0.02
SQU-US	2025-10-18 14:15:00	7.24	54.20	0.09	7.21	11.88	7.58	0.02
SQU-US	2025-10-18 14:30:00	7.22	53.57	0.09	7.24	11.92	9.91	0.02
SQU-US	2025-10-18 14:45:00	7.19	52.81	0.09	7.25	11.90	10.72	0.02
SQU-US	2025-10-18 15:00:00	7.17	52.80	0.09	7.24	11.95	7.94	0.02
SQU-US	2025-10-18 15:15:00	7.17	53.51	0.09	7.23	11.95	7.07	0.02
SQU-US	2025-10-18 15:30:00	7.15	53.58	0.09	7.24	11.94	7.86	0.02
SQU-US	2025-10-18 15:45:00	7.12	53.45	0.09	7.24	11.94	7.14	0.02
SQU-US	2025-10-18 16:00:00	7.09	53.62	0.09	7.25	11.98	8.24	0.02
SQU-US	2025-10-18 16:15:00	7.09	54.31	0.09	7.23	11.95	20.41	0.02
SQU-US	2025-10-18 16:30:00	7.08	54.18	0.09	7.23	11.50	32.83	0.02
SQU-US	2025-10-18 16:45:00	7.02	53.18	0.09	7.24	11.98	44.71	0.02
SQU-US	2025-10-18 17:00:00	7.17	60.61	0.10	7.20	11.90	6.19	0.03
SQU-US	2025-10-18 17:15:00	7.14	60.17	0.10	7.18	11.80	9.73	0.03
SQU-US	2025-10-18 17:30:00	7.11	60.34	0.10	7.19	11.85	6.02	0.03
SQU-US	2025-10-18 17:45:00	7.08	59.91	0.10	7.19	11.84	8.03	0.03

Squamish River								
Station	Date/Time	Temperature (C)	Specific Conductivity (µS/cm)	ORP (V)	pH (pH units)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	Salinity (PSU)
SQU-US	2025-10-18 18:00:00	7.14	63.87	0.11	7.17	11.82	6.70	0.03
SQU-US	2025-10-18 18:15:00	7.10	61.84	0.11	7.18	11.77	6.81	0.03
SQU-US	2025-10-18 18:30:00	6.99	58.20	0.10	7.21	11.89	5.83	0.03
SQU-US	2025-10-18 18:45:00	6.99	57.95	0.10	7.20	11.85	8.84	0.03
SQU-US	2025-10-18 19:00:00	7.11	65.08	0.11	7.20	11.76	6.44	0.03
SQU-US	2025-10-18 19:15:00	7.09	63.45	0.11	7.19	11.75	6.85	0.03
SQU-US	2025-10-18 19:30:00	7.03	59.57	0.11	7.19	11.79	6.32	0.03
SQU-US	2025-10-18 19:45:00	6.95	56.27	0.10	7.19	11.85	7.18	0.03
SQU-US	2025-10-18 20:00:00	6.94	56.37	0.10	7.21	11.88	10.23	0.03
SQU-US	2025-10-18 20:15:00	6.92	55.19	0.10	7.21	11.88	7.08	0.02
SQU-US	2025-10-18 20:30:00	6.91	54.96	0.10	7.21	11.88	10.50	0.02
SQU-US	2025-10-18 20:45:00	6.92	54.96	0.10	7.21	11.88	7.61	0.02
SQU-US	2025-10-18 21:00:00	6.91	54.49	0.10	7.20	11.88	8.31	0.02
SQU-US	2025-10-18 21:15:00	6.91	54.42	0.10	7.20	11.89	9.12	0.02
SQU-US	2025-10-18 21:30:00	6.92	54.34	0.10	7.21	11.88	10.41	0.02
SQU-US	2025-10-18 21:45:00	6.93	54.32	0.10	7.21	11.88	8.31	0.02
SQU-US	2025-10-18 22:00:00	6.94	54.31	0.10	7.20	11.89	9.53	0.02
SQU-US	2025-10-18 22:15:00	6.94	54.15	0.10	7.19	11.89	9.82	0.02
SQU-US	2025-10-18 22:30:00	6.95	54.41	0.10	7.21	11.88	9.10	0.02
SQU-US	2025-10-18 22:45:00	6.95	54.28	0.10	7.22	11.87	11.27	0.02
SQU-US	2025-10-18 23:00:00	6.95	54.42	0.10	7.19	11.87	12.13	0.02
SQU-US	2025-10-18 23:15:00	6.96	55.27	0.10	7.21	11.87	12.25	0.02
SQU-US	2025-10-18 23:30:00	6.95	54.96	0.10	7.22	11.87	9.54	0.02
SQU-US	2025-10-18 23:45:00	6.95	54.96	0.10	7.20	11.85	7.65	0.02
SQU-US	2025-10-19 00:00:00	6.94	55.30	0.10	7.21	11.86	11.60	0.02
SQU-US	2025-10-19 00:15:00	6.93	55.05	0.10	7.22	11.86	12.03	0.02
SQU-US	2025-10-19 00:30:00	6.92	54.97	0.10	7.22	11.86	11.11	0.02
SQU-US	2025-10-19 00:45:00	6.90	54.78	0.10	7.19	11.86	7.90	0.02
SQU-US	2025-10-19 01:00:00		54.92			11.86		0.02
SQU-US	2025-10-19 01:15:00	6.88	54.69	0.10	7.22	11.88	10.60	0.02
SQU-US	2025-10-19 01:30:00	6.86	54.68	0.09	7.23	11.88	12.20	0.02
SQU-US	2025-10-19 01:45:00	6.84	54.58	0.10	7.22	11.88	8.72	0.02
SQU-US	2025-10-19 02:00:00	6.83	54.22	0.09	7.23	11.90	10.07	0.02
SQU-US	2025-10-19 02:15:00	6.81	54.15	0.09	7.25	11.91	10.23	0.02
SQU-US	2025-10-19 02:30:00	6.79	53.90	0.09	7.24	11.93	11.55	0.02
SQU-US	2025-10-19 02:45:00	6.77	53.60	0.09	7.26	11.93	12.14	0.02
SQU-US	2025-10-19 03:00:00	6.75	53.15	0.09	7.27	11.95	11.50	0.02
SQU-US	2025-10-19 03:15:00	6.74	52.45	0.09	7.28	11.96	10.99	0.02
SQU-US	2025-10-19 03:30:00	6.69	52.17	0.09	7.30	12.00	9.18	0.02
SQU-US	2025-10-19 03:45:00	6.67	52.05	0.09	7.31	12.01	8.36	0.02
SQU-US	2025-10-19 04:00:00	6.66	51.82	0.09	7.31	12.00	6.72	0.02
SQU-US	2025-10-19 04:15:00	6.62	51.81	0.09	7.31	12.01	8.58	0.02
SQU-US	2025-10-19 04:30:00	6.59	51.57	0.09	7.31	12.03	7.74	0.02
SQU-US	2025-10-19 04:45:00	6.57	51.45	0.09	7.32	12.05	7.11	0.02
SQU-US	2025-10-19 05:00:00	6.55	51.33	0.09	7.32	12.04	6.49	0.02
SQU-US	2025-10-19 05:15:00	6.52	51.28	0.09	7.32	12.06	9.40	0.02
SQU-US	2025-10-19 05:30:00	6.50	51.77	0.09	7.32	12.06	8.11	0.02
SQU-US	2025-10-19 05:45:00	6.52	53.42	0.10	7.32	12.02	9.09	0.02
SQU-US	2025-10-19 06:00:00	6.54	54.61	0.10	7.29	11.99	27.91	0.02
SQU-US	2025-10-19 06:15:00	6.54	55.16	0.10	7.30	11.98	7.98	0.02
SQU-US	2025-10-19 06:30:00	6.50	54.13	0.10	7.31	12.04	9.02	0.02

Squamish River								
Station	Date/Time	Temperature (C)	Specific Conductivity (µS/cm)	ORP (V)	pH (pH units)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	Salinity (PSU)
SQU-US	2025-10-19 06:45:00	6.54	54.18	0.10	7.30	11.99	9.65	0.02
SQU-US	2025-10-19 07:00:00	6.50	55.13	0.10	7.28	12.01	7.21	0.02
SQU-US	2025-10-19 07:15:00	6.53	55.25	0.10	7.30	11.98	10.23	0.02
SQU-US	2025-10-19 07:30:00	6.52	54.87	0.10	7.28	11.98	12.44	0.02
SQU-US	2025-10-19 07:45:00	6.50	53.57	0.10	7.27	12.00	10.43	0.02
SQU-US	2025-10-19 08:00:00	6.48	52.68	0.10	7.26	12.00	11.22	0.02
SQU-US	2025-10-19 08:15:00	6.47	52.37	0.10	7.25	12.02	12.72	0.02
SQU-US	2025-10-19 08:30:00	6.47	52.51	0.10	7.23	12.00	10.59	0.02
SQU-US	2025-10-19 08:45:00	6.47	51.89	0.10	7.23	12.01	11.37	0.02
SQU-US	2025-10-19 09:00:00	6.48	51.40	0.10	7.23	12.02	7.24	0.02
SQU-US	2025-10-19 09:15:00	6.47	51.59	0.10	7.22	12.02	10.37	0.02
SQU-US	2025-10-19 09:30:00	6.48	51.25	0.10	7.21	12.02	8.92	0.02
SQU-US	2025-10-19 09:45:00	6.48	51.21	0.10	7.23	12.03	7.33	0.02
SQU-US	2025-10-19 10:00:00	6.48	51.25	0.10	7.24	12.03	10.14	0.02
SQU-US	2025-10-19 10:15:00	6.49	51.06	0.10	7.25	12.05	10.66	0.02
SQU-US	2025-10-19 10:30:00	6.49	51.09	0.10	7.23	12.04	9.53	0.02
SQU-US	2025-10-19 10:45:00	6.50	51.21	0.10	7.23	12.05	11.05	0.02
SQU-US	2025-10-19 11:00:00		51.17			12.05		0.02
SQU-US	2025-10-19 11:15:00	6.53	51.17	0.10	7.24	12.07	10.87	0.02
SQU-US	2025-10-19 11:30:00	6.57	51.11	0.10	7.24	12.08	13.17	0.02
SQU-US	2025-10-19 11:45:00	6.61	51.45	0.10	7.23	12.07	13.53	0.02
SQU-US	2025-10-19 12:00:00		51.66			12.07		0.02
SQU-US	2025-10-19 12:15:00	6.64	51.39	0.10	7.24	12.08	14.66	0.02
SQU-US	2025-10-19 12:30:00	6.67	50.79	0.10	7.24	12.09	10.52	0.02
SQU-US	2025-10-19 12:45:00	6.74	50.90	0.10	7.22	12.09	13.46	0.02
SQU-US	2025-10-19 13:00:00	6.79	50.15	0.10	7.25	12.10	9.60	0.02
SQU-US	2025-10-19 13:15:00	6.85	50.07	0.10	7.24	12.11	39.59	0.02
SQU-US	2025-10-19 13:30:00	6.88	49.98	0.10	7.27	12.12	10.28	0.02
SQU-US	2025-10-19 13:45:00	6.90	49.78	0.10	7.24	12.11	11.89	0.02
SQU-US	2025-10-19 14:00:00	6.93	49.44	0.10	7.25	12.13	18.64	0.02
SQU-US	2025-10-19 14:15:00	6.99	48.83	0.10	7.29	12.16	15.10	0.02
SQU-US	2025-10-19 14:30:00	7.05	48.49	0.10	7.29	12.17	12.67	0.02
SQU-US	2025-10-19 14:45:00	7.03	48.05	0.10	7.29	12.17	17.25	0.02
SQU-US	2025-10-19 15:00:00	7.00	47.67	0.10	7.27	12.19	10.88	0.02
SQU-US	2025-10-19 15:15:00	6.98	47.24	0.10	7.27	12.19	10.56	0.02
SQU-US	2025-10-19 15:30:00	6.92	47.01	0.10	7.26	12.21	8.04	0.02
SQU-US	2025-10-19 15:45:00	6.92	47.59	0.10	7.23	12.20	10.16	0.02
SQU-US	2025-10-19 16:00:00		47.86			12.19		0.02
SQU-US	2025-10-19 16:15:00	7.01	47.38	0.10	7.24	12.19	12.02	0.02
SQU-US	2025-10-19 16:30:00	6.98	47.66	0.11	7.25	12.18	10.50	0.02
SQU-US	2025-10-19 16:45:00	6.97	48.62	0.11	7.25	12.15	17.29	0.02
SQU-US	2025-10-19 17:00:00	6.96	49.39	0.11	7.26	11.90	14.63	0.02
SQU-US	2025-10-19 17:15:00	6.94	51.12	0.11	7.26	12.13	20.55	0.02
SQU-US	2025-10-19 17:30:00	6.92	51.40	0.11	7.25	12.13	18.62	0.02
SQU-US	2025-10-19 17:45:00	6.90	51.80	0.11	7.23	12.15	12.98	0.02
SQU-US	2025-10-19 18:00:00	6.89	52.54	0.11	7.25	12.13	104.53	0.02
SQU-US	2025-10-19 18:15:00	6.87	52.30	0.12	7.27	12.12	13.65	0.02
SQU-US	2025-10-19 18:30:00	6.90	54.35	0.12	7.28	12.07	21.40	0.02
SQU-US	2025-10-19 18:45:00	6.86	53.45	0.12	7.27	12.01	14.78	0.02
SQU-US	2025-10-19 19:00:00	6.86	54.04	0.12	7.26	12.03	16.08	0.02
SQU-US	2025-10-19 19:15:00	6.87	54.41	0.12	7.25	12.02	18.37	0.02

Squamish River								
Station	Date/Time	Temperature (C)	Specific Conductivity (µS/cm)	ORP (V)	pH (pH units)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	Salinity (PSU)
SQU-US	2025-10-19 19:30:00	6.85	53.44	0.12	7.25	12.05	15.43	0.02
SQU-US	2025-10-19 19:45:00	6.85	53.46	0.12	7.23	12.03	15.03	0.02
SQU-US	2025-10-19 20:00:00	6.84	52.30	0.12	7.20	12.05	21.35	0.02
SQU-US	2025-10-19 20:15:00	6.84	51.68	0.12	7.18	12.06	19.71	0.02
SQU-US	2025-10-19 20:30:00	6.83	51.16	0.11	7.21	12.08	16.31	0.02
SQU-US	2025-10-19 20:45:00	6.80	50.14	0.11	7.19	12.10	22.31	0.02
SQU-US	2025-10-19 21:00:00	6.80	49.91	0.11	7.24	12.09	29.48	0.02
SQU-US	2025-10-19 21:15:00	6.79	49.74	0.11	7.21	12.08	14.59	0.02
SQU-US	2025-10-19 21:30:00	6.80	49.34	0.11	7.20	12.11	14.51	0.02
SQU-US	2025-10-19 21:45:00	6.82	49.55	0.11	7.19	12.10	19.49	0.02
SQU-US	2025-10-19 22:00:00	6.82	49.34	0.11	7.20	12.10	19.03	0.02
SQU-US	2025-10-19 22:15:00	6.83	49.32	0.11	7.14	12.11	14.63	0.02
SQU-US	2025-10-19 22:30:00	6.83	49.40	0.10	7.21	12.10	11.56	0.02
SQU-US	2025-10-19 22:45:00	6.85	48.90	0.11	7.18	12.11	8.50	0.02
SQU-US	2025-10-19 23:00:00	6.85	48.45	0.11	7.18	12.13	8.33	0.02
SQU-US	2025-10-19 23:15:00	6.87	49.42	0.10	7.19	12.11	12.51	0.02
SQU-US	2025-10-19 23:30:00	6.87	48.52	0.10	7.19	12.12	14.29	0.02
SQU-US	2025-10-19 23:45:00	6.88	48.20	0.11	7.15	12.12	15.55	0.02



Guideline — BC FWAL - Acute    Monitoring location — SQU-DS — SQU-US

 <b>Eagle Mountain - Woodfibre Gas Pipeline Project Waste Discharge Permit PE-110163 Report</b>	Reporting Week	Oct 13 <sup>th</sup> to Oct 19 <sup>th</sup> , 2025
	Report #	82
	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	Oct 13 <sup>th</sup> to Oct 19 <sup>th</sup> , 2025
Report #	82
Appendix C	C-2

## Woodfibre Site 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	WLNQ EOP 2025-10-14 10:40:00
<b>In situ Parameters</b>								
Field pH	pH Units		6.5 - 9			7 - 8.7		<b>6.5</b>
Field Temperature	°C	18	19					11.2
<b>General Parameters</b>								
pH	pH Units							7.23
Alkalinity (Total as CaCO <sub>3</sub> )	mg/L							48
Alkalinity (PP as CaCO <sub>3</sub> )	mg/L							<1
Hardness (CaCO <sub>3</sub> )-Total	mg/L							59.6
Hardness (CaCO <sub>3</sub> )-Dissolved	mg/L							56.6
Sulphide-Total	mg/L							<0.0018
Sulphide (as H <sub>2</sub> S)	mg/L			0.002				<0.002
<b>Anions and Nutrients</b>								
Ammonia (N)-Total	mg/L	1.81	25		20	131		<0.015
Bicarbonate (HCO <sub>3</sub> )	mg/L							58
Carbonate (CO <sub>3</sub> )	mg/L							<1
Hydroxide (OH)	mg/L							<1
Nitrate (N)	mg/L	3	32.8		3.7			<0.02
Nitrite (N)	mg/L	0.2	0.6					<0.005
Nitrate plus Nitrite (N)	mg/L							<0.02
Nitrogen (N)-Total	mg/L							0.115
Phosphorus (P)-Total (4500-P)	mg/L							0.0023
Bromide (Br)	mg/L							<0.01
Chloride (Cl)	mg/L	150	600					14
Fluoride (F)	mg/L		1.126			1.5		0.22
Sulphate (SO <sub>4</sub> )-Dissolved	mg/L	218						11

<sup>1</sup> Guideline calculated using the in-situ measurements (pH (field), Temperature (field), Turbidity (field), Hardness (as CaCO<sub>3</sub>) – total, Dissolved Organic Carbon (DOC), Total Alkalinity (CaCO<sub>3</sub>), and Chloride).

<sup>2</sup> 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.

<sup>3</sup> **Bold text** denotes value exceeding guidelines, except in cases where they are below a station-specific guideline that isn't displayed as per <sup>1</sup> and <sup>2</sup> 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 EOP 2025-10-14 10:40:00
<b>Total Metals</b>								
Aluminum (Al)-Total	mg/L	0.02658						<b>0.593</b>
Antimony (Sb)-Total	mg/L	0.074	0.25					0.000171
Arsenic (As)-Total	mg/L	0.005			0.0125			0.0011
Barium (Ba)-Total	mg/L			1				0.00244
Beryllium (Be)-Total	mg/L			0.00013			0.1	<0.00001
Bismuth (Bi)-Total	mg/L							<0.00001
Boron (B)-Total	mg/L	1.2			1.2			0.011
Cadmium (Cd)-Total	mg/L						0.00012	<0.000005
Calcium (Ca)-Total	mg/L							22.2
Cesium (Cs)-Total	mg/L							<0.00005
Chromium (Cr)-Total	mg/L							<0.0001
Chromium (Cr III)-Total	mg/L			0.0089			0.056	<0.00099
Chromium (Cr VI)-Total	mg/L			0.0025			0.0015	<0.00099
Cobalt (Co)-Total	mg/L							0.000039
Copper (Cu)-Total	mg/L				0.002	0.003		0.00199
Iron (Fe)-Total	mg/L		1					0.0328
Lead (Pb)-Total	mg/L				0.002	0.14		0.000172
Lithium (Li)-Total	mg/L							0.00354
Magnesium (Mg)-Total	mg/L							1
Manganese (Mn)-Total	mg/L	0.867	1.197				0.1	0.0188
Mercury (Hg)-Total	mg/L	0.00002			0.00002			<0.0000019
Molybdenum (Mo)-Total	mg/L	7.6	46					0.0224
Nickel (Ni)-Total	mg/L						0.0083	0.00016
Phosphorus (P)-Total (ICPMS)	mg/L							<0.005
Potassium (K)-Total	mg/L							1.97
Rubidium (Rb)-Total	mg/L							0.0042
Selenium (Se)-Total	mg/L	0.002			0.002			<0.00004
Silicon (Si)-Total	mg/L							6.36
Silver (Ag)-Total	mg/L	0.00012			0.0005	0.0037	0.0005	<0.00001
Sodium (Na)-Total	mg/L							6.18
Strontium (Sr)-Total	mg/L							0.0473
Sulphur (S)-Total	mg/L							3.6
Tellurium (Te)-Total	mg/L							<0.00002
Thallium (Tl)-Total	mg/L			0.00003				0.0000157
Thorium (Th)-Total	mg/L							<0.00005
Tin (Sn)-Total	mg/L							<0.0002
Titanium (Ti)-Total	mg/L							<0.002
Uranium (U)-Total	mg/L		0.0165	0.0075				0.00091
Vanadium (V)-Total	mg/L			0.06			0.005	<0.0002
Zinc (Zn)-Total	mg/L				0.01	0.055		0.003
Zirconium (Zr)-Total	mg/L							<0.0001

<sup>1</sup> Guideline calculated using the in-situ measurements (pH (field), Temperature (field), Turbidity (field), Hardness (as CaCO<sub>3</sub>) – total, Dissolved Organic Carbon (DOC), Total Alkalinity (CaCO<sub>3</sub>), and Chloride).

<sup>2</sup> 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.

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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	WLNQ EOP 2025-10-14 10:40:00
<b>Dissolved Metals</b>								
Aluminum (Al)-Dissolved	mg/L							0.0239
Antimony (Sb)-Dissolved	mg/L							0.000145
Arsenic (As)-Dissolved	mg/L							0.000933
Barium (Ba)-Dissolved	mg/L							0.00198
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	0.000144	0.000345					0.0000057
Calcium (Ca)-Dissolved	mg/L							21.1
Cesium (Cs)-Dissolved	mg/L							<0.00005
Chromium (Cr)-Dissolved	mg/L							<0.0001
Cobalt (Co)-Dissolved	mg/L	0.000412						0.0000261
Copper (Cu)-Dissolved	mg/L	0.0002	0.0002					<b>0.000358</b>
Iron (Fe)-Dissolved	mg/L		0.35					<0.001
Lead (Pb)-Dissolved	mg/L	0.001388						0.0000066
Lithium (Li)-Dissolved	mg/L							0.00403
Manganese (Mn)-Dissolved	mg/L							0.0167
Magnesium (Mg)-Dissolved	mg/L							0.966
Mercury (Hg)-Dissolved	mg/L							<0.0000019
Molybdenum (Mo)-Dissolved	mg/L							0.0228
Nickel (Ni)-Dissolved	mg/L	0.0012	0.0221					0.000097
Phosphorus (P)-Dissolved	mg/L							0.0023
Potassium (K)-Dissolved	mg/L							1.83
Rubidium (Rb)-Dissolved	mg/L							0.00404
Selenium (Se)-Dissolved	mg/L							<0.00004
Silicon (Si)-Dissolved	mg/L							5.48
Silver (Ag)-Dissolved	mg/L							<0.000005
Sodium (Na)-Dissolved	mg/L							6.16
Strontium (Sr)-Dissolved	mg/L			1.25				0.0475
Sulphur (S)-Dissolved	mg/L							3.6
Tellurium (Te)-Dissolved	mg/L							<0.00002
Thallium (Tl)-Dissolved	mg/L							0.0000138
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							0.000382
Vanadium (V)-Dissolved	mg/L							<0.0002
Zinc (Zn)-Dissolved	mg/L	0.009793	0.022264					0.00234
Zirconium (Zr)-Dissolved	mg/L							<0.0001

<sup>1</sup> Guideline calculated using the in-situ measurements (pH (field), Temperature (field), Turbidity (field), Hardness (as CaCO<sub>3</sub>) – total, Dissolved Organic Carbon (DOC), Total Alkalinity (CaCO<sub>3</sub>), and Chloride).

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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	WLNQ EOP 2025-10-14 10:40:00
<b>Inorganics</b>								
Organic Carbon (C)-Total	mg/L							0.68
Organic Carbon (C)-Dissolved	mg/L							0.57
Solids-Total Dissolved	mg/L							120
Solids-Total Suspended	mg/L	6.6	26.6					5.2
<b>Organics</b>								
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

<sup>1</sup> Guideline calculated using the in-situ measurements (pH (field), Temperature (field), Turbidity (field), Hardness (as CaCO<sub>3</sub>) – total, Dissolved Organic Carbon (DOC), Total Alkalinity (CaCO<sub>3</sub>), and Chloride).

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<b>Organics (cont'd.)</b>								
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
1,2-Dichloroethane	mg/L			0.1				<0.0005
1,2-Dichloropropane	mg/L							<0.0005
1,3,5-trimethylbenzene	mg/L							<0.002
1,3-Butadiene	mg/L							<0.0005
1,3-Dichlorobenzene	mg/L			0.15				<0.0005
1,3-dichloropropane	mg/L							<0.001
1,4-Dichlorobenzene	mg/L			0.026				<0.0005
Benzene	mg/L	0.04				0.11		<0.0004
Bromobenzene	mg/L							<0.002
Bromodichloromethane	mg/L							<0.001
Bromoform	mg/L							<0.001
Bromomethane	mg/L							<0.001
Carbon tetrachloride	mg/L							<0.0005
Chlorobenzene	mg/L			0.0013			0.025	<0.0005
Chloroethane	mg/L							<0.001
Chloroform	mg/L							<0.001
Chloromethane	mg/L							<0.001
cis-1,2-Dichloroethene	mg/L							<0.001
cis-1,3-Dichloropropene	mg/L							<0.001
Dibromochloromethane	mg/L							<0.001
Dichlorodifluoromethane	mg/L							<0.002
Dichloromethane	mg/L			0.0981				<0.002
Ethylbenzene	mg/L	0.2				0.25		<0.0004
Hexachlorobutadiene	mg/L							<0.0005
Isopropylbenzene	mg/L							<0.002
Methyl-tert-butylether (MTBE)	mg/L		3.4				0.44	<0.004
Styrene	mg/L			0.072				<0.0005
Tetrachloroethene	mg/L							<0.0005
Toluene	mg/L	0.0005						<0.0004
trans-1,2-dichloroethene	mg/L							<0.001
trans-1,3-dichloropropene	mg/L							<0.001
Trichloroethene	mg/L							<0.0005

<sup>1</sup> Guideline calculated using the in-situ measurements (pH (field), Temperature (field), Turbidity (field), Hardness (as CaCO<sub>3</sub>) – total, Dissolved Organic Carbon (DOC), Total Alkalinity (CaCO<sub>3</sub>), and Chloride).

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<b>Organics (cont'd.)</b>								
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

<sup>1</sup> Guideline calculated using the in-situ measurements (pH (field), Temperature (field), Turbidity (field), Hardness (as CaCO<sub>3</sub>) – total, Dissolved Organic Carbon (DOC), Total Alkalinity (CaCO<sub>3</sub>), and Chloride).

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 <b>Eagle Mountain - Woodfibre Gas Pipeline Project Waste Discharge Permit PE-110163 Report</b>	Reporting Week	Oct 13 <sup>th</sup> to Oct 19 <sup>th</sup> , 2025
	Report #	82
	Appendix C	C-3

Woodfibre Site WTP Discharge Field Notes and Logs

<b>Title</b>	<b>WoodFibre Weekly Water Discharge Report</b>	<b>Revision:</b>	<b>0</b>
<b>Data Date Range</b>	<b>October 13,2025 to October 19, 2025</b>	<b>Prepared by:</b> <b>Approved by:</b> <b>Date:</b>	<b>SD</b> <b>BC2</b> <b>November 4, 2025</b>

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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, 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 October 13 was 679,520 m<sup>3</sup>. There are some spikes in NTU, but they do not affect the downstream NTU. Additionally, the pH probe malfunctioned and generated some erroneous readings, which may have resulted in inaccurate data. During discharge, the probe indicated low pH values; however, FKM verified the discharge water quality using a handheld pH meter until the new pH probe was received.

**Daily Volume Summary:**

**Table 1: Discharge Volumes Daily Summary**

<b>Date</b>	<b>Location</b>	<b>Volume (m3)</b>	<b>Comments</b>
October 13	Woodfibre (WF)	2,371	Exceeded discharge volume limit
October 14	WF	2,446	Exceeded discharge volume limit
October 15	WF	2,449	Exceeded discharge volume limit
October 16	WF	2,382	Exceeded discharge volume limit
October 17	WF	2,315	Exceeded discharge volume limit
October 18	WF	2,553	Exceeded discharge volume limit
October 19	WF	2,523	Exceeded discharge volume limit
<b>Total</b>		17,039	None

<b>Title</b>	<b>WoodFibre Weekly Water Discharge Report</b>	<b>Revision:</b>	<b>0</b>
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**2. Discharge Parameter Summary:**

**Table 2: Discharge Parameter Summary**

<b>Date</b>	<b>Time</b>	<b>Discharge pH</b>	<b>Flow Rate (m3)</b>	<b>Discharge NTU</b>	<b>Flow Total (m3)</b>	<b>Discharge Temperature (°C)</b>	<b>Discharge Conductivity (uS/cm)</b>
10/13/2025	0:30:00	6.5	2.207	3	679,520	13.4	278
10/13/2025	0:45:00	6.5	2.604	2.4	679,559	13.2	279
10/13/2025	1:00:00	6.5	2.210	2.7	679,595	13.4	279
10/13/2025	1:15:00	6.5	2.627	5.4	679,619	13.4	281
10/13/2025	1:30:00	6.5	2.615	3.5	679,658	13.3	281
10/13/2025	1:45:00	6.5	2.203	2.5	679,693	13.8	281
10/13/2025	2:00:00	6.5	2.600	1.5	679,730	13.7	281
10/13/2025	2:15:00	6.5	2.237	2.5	679,768	13.8	281
10/13/2025	2:30:00	6.5	2.207	12	679,778	13.9	281
10/13/2025	2:45:00	6.5	2.585	1.9	679,817	13.8	281
10/13/2025	3:15:00	6.5	2.600	3.4	679,873	13.8	279
10/13/2025	3:30:00	6.6	2.771	5.4	679,898	13.6	281
10/13/2025	3:45:00	6.6	2.195	8.8	679,933	13.7	281
10/13/2025	4:00:00	6.7	2.604	17.4	679,947	13.9	283
10/13/2025	4:15:00	6.9	1.681	7.8	679,983	13.2	283
10/13/2025	4:30:00	7	1.597	7.3	680,009	13.1	283
10/13/2025	4:45:00	7	2.570	3.7	680,031	13.5	283
10/13/2025	5:00:00	7	2.006	9.4	680,059	13	283
10/13/2025	5:15:00	7	2.612	4.9	680,094	13	283
10/13/2025	5:45:00	7	2.180	9.7	680,145	13	284
10/13/2025	6:00:00	7	2.581	7.6	680,181	12.9	284
10/13/2025	6:15:00	7	2.188	7	680,219	12.9	284

<b>Title</b>	<b>WoodFibre Weekly Water Discharge Report</b>	<b>Revision:</b>	<b>0</b>
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Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
10/13/2025	6:30:00	7.3	0.371	1.2	680,239	13	284
10/13/2025	6:45:00	7	2.619	5.3	680,277	13.3	286
10/13/2025	7:00:00	6.8	1.760	16.9	680,310	13.5	283
10/13/2025	7:30:00	6.7	2.619	4.5	680,372	13.7	283
10/13/2025	7:45:00	6.6	2.210	15.5	680,407	13.8	282
10/13/2025	8:15:00	6.5	2.203	3.1	680,462	14.1	279
10/13/2025	8:30:00	6.4	2.203	5.2	680,494	14.1	279
10/13/2025	9:00:00	6.5	1.745	4.4	680,524	13.6	280
10/13/2025	9:15:00	6.6	2.581	2.2	680,553	13.5	280
10/13/2025	9:30:00	6.7	2.581	10.7	680,578	13.9	284
10/13/2025	9:45:00	6.6	2.180	3.5	680,612	14.1	281
10/13/2025	10:00:00	6.4	2.593	2.2	680,649	14.1	282
10/13/2025	10:15:00	6.2	2.184	2.5	680,687	14.5	281
10/13/2025	10:45:00	5.8	2.574	2	680,741	14.7	278
10/13/2025	11:00:00	6.3	2.173	3	680,777	14.5	284
10/13/2025	11:15:00	6.5	2.585	2.5	680,812	14.2	284
10/13/2025	11:30:00	6.5	2.570	2.3	680,850	14.1	284
10/13/2025	11:45:00	6.6	1.805	6.7	680,881	14	282
10/13/2025	12:00:00	6.7	2.581	3.7	680,916	13.9	284
10/13/2025	12:15:00	6.7	2.173	5.7	680,948	14.1	284
10/13/2025	12:30:00	6.7	2.210	3.5	680,980	14.1	283
10/13/2025	12:45:00	6.7	2.593	6	681,002	14.1	284
10/13/2025	13:00:00	6.7	2.207	7.5	681,019	14.6	284
10/13/2025	13:15:00	6.7	2.608	3	681,055	14.1	284
10/13/2025	13:30:00	6.7	2.593	2.4	681,083	14	285

<b>Title</b>	<b>WoodFibre Weekly Water Discharge Report</b>	<b>Revision:</b>	<b>0</b>
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Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
10/13/2025	13:45:00	6.7	2.600	6.1	681,118	14.1	287
10/13/2025	14:15:00	6.7	1.847	3.9	681,155	14.1	286
10/13/2025	14:45:00	6.8	2.615	20.3	681,183	13.9	282
10/13/2025	15:00:00	6.9	2.241	4.5	681,215	14	286
10/13/2025	15:15:00	6.9	2.597	5.7	681,254	13.9	287
10/13/2025	15:30:00	6.9	2.578	6.8	681,293	13.9	287
10/13/2025	15:45:00	6.9	2.131	17	681,330	14	289
10/13/2025	16:00:00	6.8	2.570	5.1	681,367	14	289
10/13/2025	16:15:00	6.8	2.578	6.4	681,380	14.2	287
10/13/2025	16:30:00	6.7	2.570	13	681,404	14.6	287
10/13/2025	16:45:00	6.8	2.597	8.2	681,443	13.8	286
10/13/2025	17:00:00	6.9	2.604	7.6	681,478	13.6	286
10/13/2025	17:15:00	6.9	2.604	7.4	681,514	13.5	286
10/13/2025	17:30:00	6.9	2.188	14.3	681,551	13.4	289
10/13/2025	17:45:00	7	2.180	9.7	681,587	13.3	289
10/13/2025	18:15:00	7	2.589	13.8	681,642	13.1	292
10/13/2025	18:30:00	7	2.578	11.9	681,678	13	290
10/13/2025	18:45:00	7	2.600	9.8	681,702	12.9	292
10/13/2025	19:00:00	7	2.604	9.3	681,737	12.9	292
10/13/2025	19:15:00	7	2.589	9.9	681,773	12.8	292
10/13/2025	19:30:00	7	0.413	29.7	681,808	12.8	291
10/13/2025	19:45:00	7	1.745	11.3	681,834	12.7	290
10/13/2025	20:00:00	7	2.612	7.7	681,870	12.7	291
10/13/2025	20:15:00	7	2.608	16.1	681,902	12.7	292
10/13/2025	20:30:00	7	2.597	6.3	681,937	12.7	292

<b>Title</b>	<b>WoodFibre Weekly Water Discharge Report</b>	<b>Revision:</b>	<b>0</b>
<b>Data Date Range</b>	<b>October 13,2025 to October 19, 2025</b>	<b>Prepared by:</b> <b>Approved by:</b> <b>Date:</b>	<b>SD</b> <b>BC2</b> <b>November 4, 2025</b>

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
10/13/2025	20:45:00	7	2.604	4.6	681,962	12.7	294
10/13/2025	21:00:00	7	2.619	4.7	681,998	12.7	294
10/13/2025	21:15:00	6.9	2.615	7.1	682,033	12.7	294
10/13/2025	21:45:00	7	2.188	11	682,099	12.9	294
10/13/2025	22:00:00	7	2.600	7.8	682,136	12.9	294
10/13/2025	22:15:00	7	2.627	12.7	682,144	12.9	294
10/13/2025	22:30:00	7	2.623	10.6	682,180	13	294
10/13/2025	23:00:00	7	2.608	6.7	682,235	12.9	294
10/13/2025	23:30:00	7.1	2.210	0	682,282	12.8	291
10/13/2025	23:45:00	7	2.305	13.1	682,319	13.2	290
10/14/2025	0:00:00	6.9	2.668	8.8	682,358	13.3	287
10/14/2025	0:15:00	6.7	2.540	8.6	682,390	14.2	289
10/14/2025	0:45:00	6.6	2.559	7.1	682,446	13.5	281
10/14/2025	1:00:00	6.5	2.585	3.4	682,480	13.5	281
10/14/2025	1:15:00	6.5	2.532	6.2	682,511	13.4	281
10/14/2025	1:30:00	6.5	2.070	8.9	682,533	13.6	286
10/14/2025	1:45:00	6.4	2.192	11.5	682,568	13.5	281
10/14/2025	2:00:00	6.4	2.536	5.6	682,604	13.4	278
10/14/2025	2:15:00	6.4	2.665	9.2	682,640	13.6	283
10/14/2025	2:30:00	6.4	2.210	13.5	682,672	13.4	277
10/14/2025	2:45:00	6.4	2.672	8.7	682,712	13.5	281
10/14/2025	3:15:00	6.4	2.676	6.3	682,773	13.5	281
10/14/2025	3:30:00	6.3	2.309	7.2	682,811	13.6	278
10/14/2025	3:45:00	6.3	2.316	10.5	682,836	13.7	279
10/14/2025	4:00:00	6.3	2.676	2.5	682,875	13.5	279

<b>Title</b>	<b>WoodFibre Weekly Water Discharge Report</b>	<b>Revision:</b>	<b>0</b>
<b>Data Date Range</b>	<b>October 13,2025 to October 19, 2025</b>	<b>Prepared by:</b> <b>Approved by:</b> <b>Date:</b>	<b>SD</b> <b>BC2</b> <b>November 4, 2025</b>

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
10/14/2025	4:15:00	6.3	2.574	11.6	682,910	13.4	278
10/14/2025	4:30:00	6.3	2.525	2.3	682,942	13.4	278
10/14/2025	4:45:00	6.3	2.600	2.5	682,981	13.4	278
10/14/2025	5:00:00	6.2	2.604	1.6	683,017	13.4	278
10/14/2025	5:30:00	6.5	2.210	9.4	683,074	13.5	281
10/14/2025	5:45:00	6.6	2.195	1.9	683,089	13.5	282
10/14/2025	6:00:00	6.7	2.604	4.4	683,126	13.2	281
10/14/2025	6:15:00	6.7	2.634	7.6	683,146	13.2	281
10/14/2025	6:30:00	6.6	2.608	5.6	683,176	13.2	281
10/14/2025	6:45:00	6.6	2.574	3.9	683,215	13.2	278
10/14/2025	7:00:00	6.7	2.581	4.5	683,250	13.1	275
10/14/2025	7:15:00	6.8	1.938	4.6	683,284	12.7	288
10/14/2025	7:30:00	6.9	2.676	8.9	683,313	12.8	283
10/14/2025	7:45:00	6.8	2.513	2.5	683,351	12.5	284
10/14/2025	8:00:00	6.8	2.494	1.7	683,388	12.5	284
10/14/2025	8:15:00	6.9	2.642	9.6	683,420	12.2	277
10/14/2025	8:30:00	7	2.415	8.9	683,449	12.1	279
10/14/2025	8:45:00	6.9	2.612	3.1	683,486	12.1	282
10/14/2025	9:00:00	7	2.210	7.5	683,510	12.2	281
10/14/2025	9:30:00	6.9	2.286	14.2	683,555	12.1	278
10/14/2025	9:45:00	7	2.161	12.2	683,590	12.1	277
10/14/2025	10:00:00	6.9	2.430	3.8	683,626	12.2	281
10/14/2025	10:15:00	6.9	2.562	10.9	683,658	12.3	279
10/14/2025	10:30:00	6.9	2.699	9.5	683,687	12.6	279
10/14/2025	10:45:00	6.8	2.487	0	683,725	13	280

<b>Title</b>	<b>WoodFibre Weekly Water Discharge Report</b>	<b>Revision:</b>	<b>0</b>
<b>Data Date Range</b>	<b>October 13,2025 to October 19, 2025</b>	<b>Prepared by:</b> <b>Approved by:</b> <b>Date:</b>	<b>SD</b> <b>BC2</b> <b>November 4, 2025</b>

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
10/14/2025	11:00:00	6.8	2.218	6.2	683,760	13	278
10/14/2025	11:15:00	6.8	2.407	26.5	683,792	13.1	277
10/14/2025	11:30:00	6.9	2.714	13.8	683,809	13.3	274
10/14/2025	11:45:00	6.9	1.942	17.7	683,835	13.2	276
10/14/2025	12:00:00	6.9	2.585	10.9	683,870	13.3	276
10/14/2025	12:15:00	6.9	2.222	14.8	683,908	13.4	274
10/14/2025	12:30:00	6.9	2.320	10.3	683,942	13.4	276
10/14/2025	12:45:00	6.8	2.631	15.4	683,980	13.3	274
10/14/2025	13:00:00	6.8	2.218	16.1	684,015	13.5	277
10/14/2025	13:30:00	6.8	2.615	16.6	684,063	13.9	276
10/14/2025	13:45:00	6.8	1.953	18.2	684,090	13.6	276
10/14/2025	14:00:00	6.8	2.608	13.3	684,125	14	277
10/14/2025	14:15:00	6.8	2.207	7.7	684,148	15.4	279
10/14/2025	14:30:00	6.8	2.210	15.6	684,178	15.3	278
10/14/2025	14:45:00	6.9	2.615	12.1	684,208	14.7	278
10/14/2025	15:00:00	6.9	2.173	12.2	684,244	14.5	278
10/14/2025	15:15:00	6.9	2.604	8.4	684,279	14.3	278
10/14/2025	15:30:00	6.9	2.581	7.4	684,318	14.1	279
10/14/2025	15:45:00	6.9	2.154	9.7	684,351	14.1	279
10/14/2025	16:00:00	6.9	2.646	8	684,370	14.5	278
10/14/2025	16:15:00	6.9	2.173	8.6	684,400	14.2	278
10/14/2025	16:30:00	6.9	2.184	12.1	684,429	14.2	279
10/14/2025	16:45:00	6.9	2.631	10.6	684,457	13.9	279
10/14/2025	17:00:00	6.9	2.328	15.5	684,493	13.8	279
10/14/2025	17:15:00	6.9	2.627	17.1	684,525	14.6	281

<b>Title</b>	<b>WoodFibre Weekly Water Discharge Report</b>	<b>Revision:</b>	<b>0</b>
<b>Data Date Range</b>	<b>October 13,2025 to October 19, 2025</b>	<b>Prepared by:</b> <b>Approved by:</b> <b>Date:</b>	<b>SD</b> <b>BC2</b> <b>November 4, 2025</b>

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
10/14/2025	17:30:00	6.8	2.597	14.2	684,564	15.5	279
10/14/2025	17:45:00	6.8	2.161	15.7	684,599	16	278
10/14/2025	18:15:00	6.4	2.104	22	684,654	17.4	277
10/14/2025	18:30:00	6.6	1.923	17.6	684,668	17.3	281
10/14/2025	18:45:00	6.7	2.604	15	684,700	15.9	278
10/14/2025	19:00:00	6.8	2.597	10.2	684,735	15.3	280
10/14/2025	19:15:00	6.8	2.615	11.5	684,771	15.1	278
10/14/2025	19:30:00	6.9	2.581	17.2	684,806	12.9	278
10/14/2025	19:45:00	7	2.131	0	684,837	12.9	276
10/14/2025	20:00:00	6.9	2.615	11.9	684,871	12.7	276
10/14/2025	20:15:00	6.9	1.699	17.6	684,907	12.6	276
10/14/2025	20:30:00	7	1.677	19.9	684,936	12.6	275
10/14/2025	20:45:00	6.9	0.696	17.3	684,971	12.8	278
10/14/2025	21:00:00	6.9	2.350	15.1	684,992	12.5	276
10/14/2025	21:45:00	7.1	2.146	0	685,078	12.7	288
10/14/2025	22:00:00	7	2.070	7	685,110	13.2	288
10/14/2025	22:15:00	6.9	2.623	0	685,131	13.7	286
10/14/2025	22:30:00	6.7	2.150	0	685,167	13.7	283
10/14/2025	22:45:00	6.7	2.650	0	685,190	13.7	284
10/14/2025	23:00:00	6.7	2.634	0	685,229	13.4	282
10/14/2025	23:15:00	6.8	2.097	0.1	685,263	13.4	282
10/14/2025	23:30:00	6.8	2.642	0.2	685,285	13.3	285
10/14/2025	23:45:00	6.9	2.195	0	685,324	13.3	284
10/15/2025	0:00:00	6.8	2.089	0.4	685,356	13.5	286
10/15/2025	0:30:00	6.8	2.169	0.1	685,411	13.5	286

<b>Title</b>	<b>WoodFibre Weekly Water Discharge Report</b>	<b>Revision:</b>	<b>0</b>
<b>Data Date Range</b>	<b>October 13,2025 to October 19, 2025</b>	<b>Prepared by:</b> <b>Approved by:</b> <b>Date:</b>	<b>SD</b> <b>BC2</b> <b>November 4, 2025</b>

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
10/15/2025	0:45:00	6.8	2.638	1.2	685,434	13.4	286
10/15/2025	1:15:00	6.8	2.301	1.9	685,497	13.4	284
10/15/2025	1:30:00	6.9	2.578	1	685,515	13.5	287
10/15/2025	1:45:00	6.9	2.154	0.8	685,553	13.4	287
10/15/2025	2:00:00	6.9	2.059	1.3	685,585	13.4	287
10/15/2025	2:30:00	7	2.483	1.2	685,638	13.3	287
10/15/2025	2:45:00	7	2.608	1.6	685,676	13.1	287
10/15/2025	3:30:00	7	2.604	0	685,754	13	286
10/15/2025	3:45:00	7	2.169	0	685,792	13.2	290
10/15/2025	4:00:00	7	2.082	0	685,827	13.5	287
10/15/2025	4:15:00	6.9	2.593	0	685,866	13.6	289
10/15/2025	4:30:00	6.9	2.532	0.5	685,882	13.6	289
10/15/2025	5:00:00	6.8	2.612	0	685,935	13.8	289
10/15/2025	5:15:00	6.8	2.086	2.1	685,972	13.8	291
10/15/2025	5:45:00	6.8	2.763	0.1	686,023	13.8	291
10/15/2025	6:00:00	6.8	2.093	0.8	686,058	13.8	291
10/15/2025	6:15:00	6.8	2.176	0.7	686,095	13.8	291
10/15/2025	6:30:00	6.8	2.604	2.5	686,133	13.7	294
10/15/2025	7:00:00	6.9	2.623	0.1	686,184	13.8	294
10/15/2025	7:15:00	7	1.983	3.5	686,219	13.7	293
10/15/2025	7:30:00	7	2.627	2.3	686,236	13.8	297
10/15/2025	7:45:00	7	2.615	0.9	686,271	13.9	297
10/15/2025	8:00:00	7	2.089	1.1	686,306	14.4	295
10/15/2025	8:15:00	7	2.248	0.4	686,322	15	292
10/15/2025	8:30:00	7	2.608	0.2	686,360	14.2	288

<b>Title</b>	<b>WoodFibre Weekly Water Discharge Report</b>	<b>Revision:</b>	<b>0</b>
<b>Data Date Range</b>	<b>October 13,2025 to October 19, 2025</b>	<b>Prepared by:</b> <b>Approved by:</b> <b>Date:</b>	<b>SD</b> <b>BC2</b> <b>November 4, 2025</b>

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
10/15/2025	8:45:00	7	2.627	1.2	686,379	14.8	288
10/15/2025	9:00:00	7	2.608	0	686,415	14.2	288
10/15/2025	9:15:00	7	2.089	1.3	686,452	14.1	288
10/15/2025	9:45:00	7	2.627	1.3	686,498	13.9	289
10/15/2025	10:00:00	7	2.101	1.8	686,533	14.1	291
10/15/2025	10:15:00	7	2.180	1.8	686,571	14.1	293
10/15/2025	10:30:00	7	2.627	2	686,593	14.2	293
10/15/2025	10:45:00	7	2.627	1.6	686,628	14.2	294
10/15/2025	11:00:00	7	2.623	1	686,664	14.3	296
10/15/2025	11:30:00	7	2.619	1.8	686,721	14.1	294
10/15/2025	11:45:00	7	2.612	1.7	686,757	14.2	293
10/15/2025	12:00:00	7	2.570	3.2	686,792	14.4	294
10/15/2025	12:15:00	7	2.192	2	686,829	14.4	294
10/15/2025	12:30:00	7	2.612	1.3	686,867	14.4	294
10/15/2025	13:00:00	7	2.608	1.2	686,912	14.9	294
10/15/2025	13:15:00	7	2.033	2.6	686,925	14.7	293
10/15/2025	13:30:00	7	2.604	1.5	686,961	14.5	293
10/15/2025	13:45:00	7	2.615	0.7	686,982	15	293
10/15/2025	14:00:00	7	2.623	2.3	687,017	14.9	290
10/15/2025	14:15:00	7	2.207	1	687,054	14.8	289
10/15/2025	14:30:00	7	2.604	0.9	687,092	14.6	289
10/15/2025	14:45:00	6.9	2.623	5.1	687,114	14.9	293
10/15/2025	15:00:00	6.9	2.619	0.4	687,150	14.9	293
10/15/2025	15:15:00	6.9	2.093	0.7	687,187	14.9	293
10/15/2025	15:30:00	6.9	2.619	0.2	687,224	14.8	292

<b>Title</b>	<b>WoodFibre Weekly Water Discharge Report</b>	<b>Revision:</b>	<b>0</b>
<b>Data Date Range</b>	<b>October 13,2025 to October 19, 2025</b>	<b>Prepared by:</b> <b>Approved by:</b> <b>Date:</b>	<b>SD</b> <b>BC2</b> <b>November 4, 2025</b>

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
10/15/2025	15:45:00	6.9	2.604	0.3	687,259	14.9	288
10/15/2025	16:00:00	6.9	2.600	0.8	687,294	15.2	287
10/15/2025	16:15:00	6.9	2.199	0.2	687,313	15.6	287
10/15/2025	16:30:00	6.9	2.604	0	687,350	14.9	287
10/15/2025	16:45:00	6.9	2.627	0.7	687,372	15.4	288
10/15/2025	17:00:00	6.9	2.619	0	687,409	15	285
10/15/2025	17:15:00	6.9	2.093	0	687,446	14.6	285
10/15/2025	17:30:00	6.9	2.608	0	687,482	14.3	284
10/15/2025	17:45:00	6.9	2.597	0	687,518	14.3	287
10/15/2025	18:00:00	6.9	2.627	0	687,538	15	286
10/15/2025	18:15:00	6.9	2.188	0	687,575	14.1	283
10/15/2025	18:30:00	6.9	2.597	0	687,612	13.9	283
10/15/2025	18:45:00	6.9	2.619	0	687,636	14.1	283
10/15/2025	19:00:00	6.9	2.604	0	687,672	13.8	283
10/15/2025	19:15:00	6.9	2.082	0	687,709	13.7	283
10/15/2025	19:30:00	6.9	2.248	0	687,724	14.2	283
10/15/2025	19:45:00	6.9	2.608	0	687,760	13.8	280
10/15/2025	20:00:00	6.9	2.604	0.3	687,778	13.8	280
10/15/2025	20:15:00	6.9	2.188	0	687,812	13.1	278
10/15/2025	20:30:00	7	2.604	0	687,849	13	278
10/15/2025	21:00:00	7	2.615	0	687,906	13.1	278
10/15/2025	21:15:00	7	2.093	0	687,943	13	276
10/15/2025	21:30:00	7	2.192	0	687,979	12.7	277
10/15/2025	21:45:00	7	2.619	0.3	688,002	12.7	280
10/15/2025	22:00:00	7	2.623	0.4	688,037	12.6	278

<b>Title</b>	<b>WoodFibre Weekly Water Discharge Report</b>	<b>Revision:</b>	<b>0</b>
<b>Data Date Range</b>	<b>October 13,2025 to October 19, 2025</b>	<b>Prepared by:</b> <b>Approved by:</b> <b>Date:</b>	<b>SD</b> <b>BC2</b> <b>November 4, 2025</b>

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
10/15/2025	22:15:00	7	2.612	0.4	688,077	12.4	278
10/15/2025	22:30:00	7	2.604	0.1	688,112	12.4	280
10/15/2025	22:45:00	7	2.612	1.4	688,147	12.4	280
10/15/2025	23:00:00	7	2.188	2.8	688,185	12.2	280
10/15/2025	23:15:00	7	2.589	0.7	688,221	12.2	280
10/15/2025	23:30:00	7	2.597	0.3	688,231	12.1	278
10/15/2025	23:45:00	7	2.256	0.1	688,253	12.2	278
10/16/2025	0:00:00	7	2.150	0.4	688,291	12.2	278
10/16/2025	0:15:00	7	2.241	0	688,328	12.2	277
10/16/2025	0:30:00	7	2.657	0.1	688,365	12.2	277
10/16/2025	0:45:00	7	2.778	1.5	688,390	12.5	279
10/16/2025	1:00:00	7	2.252	0	688,427	12.4	279
10/16/2025	1:15:00	7	2.657	0.6	688,466	12.5	281
10/16/2025	1:30:00	7	2.691	0	688,487	12.9	278
10/16/2025	1:45:00	6.9	2.668	0	688,524	13	279
10/16/2025	2:15:00	6.8	2.245	0	688,581	13.3	277
10/16/2025	2:30:00	6.7	2.661	0	688,619	13.3	278
10/16/2025	3:00:00	6.7	2.256	0	688,677	13.4	276
10/16/2025	3:15:00	6.7	2.661	0	688,717	13.1	275
10/16/2025	3:30:00	6.8	2.657	0.7	688,752	13	275
10/16/2025	3:45:00	6.8	2.680	0.3	688,775	13.2	276
10/16/2025	4:00:00	6.7	2.142	0	688,813	13.3	278
10/16/2025	4:15:00	6.6	2.229	0	688,850	13.3	276
10/16/2025	4:30:00	6.5	2.672	0	688,874	13.5	277
10/16/2025	4:45:00	6.4	2.668	0	688,910	13.8	277

<b>Title</b>	<b>WoodFibre Weekly Water Discharge Report</b>	<b>Revision:</b>	<b>0</b>
<b>Data Date Range</b>	<b>October 13,2025 to October 19, 2025</b>	<b>Prepared by:</b> <b>Approved by:</b> <b>Date:</b>	<b>SD</b> <b>BC2</b> <b>November 4, 2025</b>

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
10/16/2025	5:00:00	6.4	2.241	0	688,921	13.8	278
10/16/2025	5:15:00	6.3	2.680	0	688,941	13.7	277
10/16/2025	5:45:00	6.3	2.672	0	688,988	13.8	277
10/16/2025	6:00:00	6.3	2.142	0	689,025	13.8	278
10/16/2025	6:15:00	6.3	2.218	0	689,063	13.8	280
10/16/2025	6:30:00	6.3	2.676	0	689,085	13.9	283
10/16/2025	6:45:00	6.4	2.668	0	689,121	13.9	283
10/16/2025	7:00:00	6.4	2.229	0	689,158	13.9	284
10/16/2025	7:30:00	6.5	2.680	0	689,214	13.6	283
10/16/2025	7:45:00	6.6	2.665	0	689,250	13.5	282
10/16/2025	8:00:00	6.6	2.127	0.1	689,288	13.6	281
10/16/2025	8:15:00	6.7	2.245	0	689,312	13.4	282
10/16/2025	8:45:00	6.7	2.400	0	689,366	13.4	282
10/16/2025	9:00:00	6.7	2.256	0	689,382	13.5	282
10/16/2025	9:15:00	6.8	2.597	0	689,421	13.3	280
10/16/2025	9:30:00	6.9	2.661	0.2	689,457	13.2	283
10/16/2025	9:45:00	6.9	2.684	0.9	689,480	13.2	285
10/16/2025	10:00:00	6.9	2.135	2.1	689,517	13.3	285
10/16/2025	10:15:00	6.9	2.438	0	689,555	13.5	283
10/16/2025	10:30:00	6.8	2.661	0	689,592	13.7	286
10/16/2025	11:00:00	6.4	2.263	0	689,644	14.2	285
10/16/2025	11:30:00	6.1	2.665	0	689,713	14.5	287
10/16/2025	11:45:00	6	2.661	0	689,744	14.6	288
10/16/2025	12:00:00	5.9	2.135	1.3	689,765	15.5	290
10/16/2025	12:15:00	6	2.256	0	689,802	14.7	290

<b>Title</b>	<b>WoodFibre Weekly Water Discharge Report</b>	<b>Revision:</b>	<b>0</b>
<b>Data Date Range</b>	<b>October 13,2025 to October 19, 2025</b>	<b>Prepared by:</b> <b>Approved by:</b> <b>Date:</b>	<b>SD</b> <b>BC2</b> <b>November 4, 2025</b>

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
10/16/2025	12:30:00	6	0.000	0.6	689,822	14.6	288
10/16/2025	13:00:00	6.6	2.256	0.9	689,882	14.3	289
10/16/2025	13:15:00	6.7	2.653	0.1	689,919	13.9	288
10/16/2025	13:30:00	6.8	2.680	0	689,944	13.9	288
10/16/2025	13:45:00	6.9	2.661	0	689,982	13.8	288
10/16/2025	14:00:00	6.9	2.097	2.5	690,002	13.9	287
10/16/2025	14:15:00	6.9	2.260	0.1	690,039	13.7	287
10/16/2025	14:30:00	6.9	2.665	0.5	690,075	13.6	288
10/16/2025	14:45:00	6.9	2.665	0.3	690,110	13.7	288
10/16/2025	15:00:00	6.9	2.256	0.4	690,135	14.1	292
10/16/2025	15:15:00	6.9	2.142	0.4	690,174	13.6	288
10/16/2025	15:30:00	6.9	2.684	1.1	690,190	13.9	290
10/16/2025	16:00:00	6.9	2.139	1.6	690,247	14	287
10/16/2025	16:15:00	6.9	2.256	0.8	690,277	13.8	288
10/16/2025	16:45:00	6.9	2.661	0	690,342	13.9	287
10/16/2025	17:00:00	6.8	2.241	0	690,364	14	289
10/16/2025	17:15:00	6.8	2.051	1.1	690,384	13.7	285
10/16/2025	17:30:00	6.8	2.668	0	690,420	13.7	288
10/16/2025	17:45:00	6.8	2.680	0.6	690,448	13.8	288
10/16/2025	18:00:00	6.8	2.131	1.8	690,485	13.9	288
10/16/2025	18:15:00	6.9	2.233	0.4	690,523	13.7	288
10/16/2025	18:30:00	6.9	2.680	0.7	690,546	13.7	292
10/16/2025	18:45:00	6.9	2.676	1.7	690,581	13.7	291
10/16/2025	19:00:00	6.9	2.256	0.3	690,618	13.8	292
10/16/2025	19:30:00	6.9	2.657	0.6	690,679	13.6	288

<b>Title</b>	<b>WoodFibre Weekly Water Discharge Report</b>	<b>Revision:</b>	<b>0</b>
<b>Data Date Range</b>	<b>October 13,2025 to October 19, 2025</b>	<b>Prepared by:</b> <b>Approved by:</b> <b>Date:</b>	<b>SD</b> <b>BC2</b> <b>November 4, 2025</b>

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
10/16/2025	19:45:00	6.9	2.672	0	690,702	13.5	288
10/16/2025	20:00:00	6.9	2.139	0.2	690,739	13.4	285
10/16/2025	20:15:00	6.9	2.260	0.5	690,776	13.3	284
10/16/2025	20:45:00	6.9	2.672	0.2	690,835	13	284
10/16/2025	21:00:00	6.9	2.233	0.2	690,872	12.9	286
10/16/2025	21:15:00	6.9	2.142	1	690,892	12.9	287
10/16/2025	21:30:00	7	2.665	1	690,928	12.8	289
10/16/2025	22:00:00	7	2.127	1.5	690,960	12.8	291
10/16/2025	22:15:00	7	2.237	1.6	690,998	12.8	290
10/16/2025	22:30:00	7	2.676	1.5	691,024	12.8	290
10/16/2025	22:45:00	7	0.379	1.8	691,053	12.9	292
10/16/2025	23:00:00	7	0.314	1.2	691,082	12.9	292
10/16/2025	23:15:00	7	2.142	1.7	691,114	12.9	292
10/16/2025	23:30:00	7	2.668	1.6	691,150	12.8	290
10/16/2025	23:45:00	7	2.661	1.3	691,187	12.9	289
10/17/2025	0:00:00	7	2.131	2	691,223	13	289
10/17/2025	0:15:00	7	2.260	0.7	691,248	13.1	289
10/17/2025	0:30:00	7	2.657	1.4	691,286	13.1	288
10/17/2025	0:45:00	7	0.341	1.4	691,315	13.4	288
10/17/2025	1:00:00	7	2.256	0.3	691,346	13.4	288
10/17/2025	1:45:00	7	2.684	0.9	691,410	13.3	291
10/17/2025	2:00:00	7	2.139	2.9	691,422	13.4	291
10/17/2025	2:15:00	7	2.245	0.4	691,460	13.3	291
10/17/2025	2:45:00	7	2.672	2.1	691,516	13.3	288
10/17/2025	3:00:00	7	2.392	1.1	691,537	13.6	288

<b>Title</b>	<b>WoodFibre Weekly Water Discharge Report</b>	<b>Revision:</b>	<b>0</b>
<b>Data Date Range</b>	<b>October 13,2025 to October 19, 2025</b>	<b>Prepared by:</b> <b>Approved by:</b> <b>Date:</b>	<b>SD</b> <b>BC2</b> <b>November 4, 2025</b>

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
10/17/2025	3:15:00	7	2.127	1.8	691,577	13.4	288
10/17/2025	3:30:00	7	2.680	2.8	691,600	13.5	292
10/17/2025	3:45:00	7	2.672	0.8	691,636	13.5	287
10/17/2025	4:00:00	7	0.382	2.6	691,667	13.6	285
10/17/2025	4:15:00	7	2.275	1.9	691,701	13.5	285
10/17/2025	4:30:00	6.9	2.687	0.3	691,726	13.7	285
10/17/2025	4:45:00	6.9	2.680	0.8	691,762	13.5	287
10/17/2025	5:00:00	6.9	2.631	1	691,799	13.5	287
10/17/2025	5:15:00	6.9	2.146	1.7	691,826	13.5	287
10/17/2025	5:30:00	6.9	2.672	1.6	691,863	13.5	287
10/17/2025	5:45:00	6.9	0.420	0.3	691,885	13.7	288
10/17/2025	6:00:00	6.9	2.154	2.6	691,921	13.5	288
10/17/2025	6:15:00	6.9	2.252	1.1	691,958	13.5	288
10/17/2025	6:30:00	7	0.352	1.1	691,989	13.6	288
10/17/2025	6:45:00	7	2.684	3.4	692,018	13.4	289
10/17/2025	7:00:00	7	2.668	0.8	692,055	13.4	288
10/17/2025	7:15:00	7	2.139	2.4	692,094	13.3	289
10/17/2025	7:30:00	7	2.827	2	692,117	13.5	289
10/17/2025	7:45:00	7	2.820	0.6	692,156	13.2	288
10/17/2025	8:00:00	7	0.379	1	692,186	13.4	287
10/17/2025	8:15:00	6.9	2.411	0	692,219	13.2	285
10/17/2025	8:30:00	6.9	0.375	1.3	692,256	13.1	284
10/17/2025	9:00:00	6.9	2.816	0.8	692,265	13.3	282
10/17/2025	9:15:00	7	2.286	1.9	692,306	12.9	282
10/17/2025	9:30:00	7	2.820	0.8	692,328	12.9	282

<b>Title</b>	<b>WoodFibre Weekly Water Discharge Report</b>	<b>Revision:</b>	<b>0</b>
<b>Data Date Range</b>	<b>October 13,2025 to October 19, 2025</b>	<b>Prepared by:</b> <b>Approved by:</b> <b>Date:</b>	<b>SD</b> <b>BC2</b> <b>November 4, 2025</b>

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
10/17/2025	9:45:00	7	2.801	0.3	692,367	12.8	282
10/17/2025	10:00:00	7	2.294	3	692,405	12.9	282
10/17/2025	10:15:00	7	2.419	0.5	692,427	12.9	282
10/17/2025	10:30:00	7	2.801	0.7	692,468	12.9	282
10/17/2025	11:00:00	7	2.793	0.5	692,519	13.1	286
10/17/2025	11:15:00	7	2.297	2	692,539	13.4	288
10/17/2025	11:30:00	7	2.797	0.6	692,578	13.2	281
10/17/2025	12:00:00	6.9	2.301	3.6	692,640	13.4	283
10/17/2025	12:15:00	6.9	2.419	0.3	692,679	13.4	281
10/17/2025	12:30:00	6.9	2.808	4.2	692,705	13.4	279
10/17/2025	12:45:00	6.9	2.790	0.5	692,743	13.4	279
10/17/2025	13:00:00	6.9	2.816	0.3	692,768	13.6	281
10/17/2025	13:15:00	6.9	2.286	3.3	692,809	13.4	279
10/17/2025	13:45:00	6.9	2.797	0	692,866	13.5	275
10/17/2025	14:15:00	6.9	2.400	0	692,926	13.5	275
10/17/2025	14:30:00	6.9	2.805	0	692,936	13.9	278
10/17/2025	14:45:00	6.9	2.771	1.3	692,953	13.9	275
10/17/2025	15:00:00	6.9	2.797	0	692,992	13.4	273
10/17/2025	15:15:00	6.9	2.388	0	693,032	13.4	276
10/17/2025	15:30:00	6.9	2.797	0	693,054	13.4	276
10/17/2025	15:45:00	6.9	2.774	0	693,093	13.4	276
10/17/2025	16:15:00	6.9	2.415	0	693,158	13.5	278
10/17/2025	16:30:00	6.9	2.759	0	693,198	13.3	276
10/17/2025	16:45:00	6.9	2.797	0.1	693,222	13.3	274
10/17/2025	17:00:00	6.9	2.782	1.1	693,261	13.3	278

<b>Title</b>	<b>WoodFibre Weekly Water Discharge Report</b>	<b>Revision:</b>	<b>0</b>
<b>Data Date Range</b>	<b>October 13,2025 to October 19, 2025</b>	<b>Prepared by:</b> <b>Approved by:</b> <b>Date:</b>	<b>SD</b> <b>BC2</b> <b>November 4, 2025</b>

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
10/17/2025	17:15:00	6.9	2.279	0.8	693,301	13.3	281
10/17/2025	18:00:00	6.9	2.290	1.9	693,368	13.2	281
10/17/2025	18:15:00	7	2.415	0.4	693,393	13.1	284
10/17/2025	18:30:00	7	2.782	1.4	693,434	12.9	282
10/17/2025	18:45:00	7	2.816	1.1	693,458	13.1	282
10/17/2025	19:00:00	7	2.797	0.6	693,496	12.8	283
10/17/2025	19:15:00	7	2.282	1	693,537	12.8	283
10/17/2025	19:45:00	7	2.805	1.1	693,598	12.8	284
10/17/2025	20:00:00	7	2.290	0.9	693,636	12.8	286
10/17/2025	20:15:00	7	2.403	0.5	693,676	12.8	286
10/17/2025	20:30:00	7	2.801	0.5	693,702	12.8	282
10/17/2025	20:45:00	7	2.786	0.5	693,740	12.7	282
10/17/2025	21:00:00	7	2.668	1.5	693,765	12.8	282
10/17/2025	21:15:00	7	1.976	2.4	693,806	12.6	282
10/17/2025	21:30:00	7	2.661	2.8	693,827	12.6	282
10/17/2025	22:00:00	7	2.347	2.3	693,886	12.6	283
10/17/2025	22:30:00	7	2.786	1.5	693,940	12.6	288
10/17/2025	22:45:00	7	2.805	2.4	693,960	12.7	288
10/17/2025	23:15:00	7	2.286	1.4	694,016	12.8	288
10/17/2025	23:30:00	7	2.786	0.9	694,055	12.8	290
10/17/2025	23:45:00	7	2.782	0.8	694,094	12.8	290
10/18/2025	0:15:00	7	2.415	2	694,152	12.9	290
10/18/2025	0:45:00	7	2.797	1.7	694,201	12.9	288
10/18/2025	1:15:00	7	2.286	1.5	694,263	12.8	286
10/18/2025	1:45:00	6.9	2.805	0	694,324	13.5	284

<b>Title</b>	<b>WoodFibre Weekly Water Discharge Report</b>	<b>Revision:</b>	<b>0</b>
<b>Data Date Range</b>	<b>October 13,2025 to October 19, 2025</b>	<b>Prepared by:</b> <b>Approved by:</b> <b>Date:</b>	<b>SD</b> <b>BC2</b> <b>November 4, 2025</b>

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
10/18/2025	2:00:00	6.8	2.286	0.2	694,362	13.9	283
10/18/2025	2:15:00	6.6	2.411	0	694,380	14.3	283
10/18/2025	2:30:00	6.5	2.793	0.1	694,420	14.1	283
10/18/2025	2:45:00	6.3	2.820	0.1	694,445	14.6	280
10/18/2025	3:00:00	6.1	2.801	0	694,484	14.6	279
10/18/2025	3:15:00	5.9	2.294	0.3	694,524	14.7	279
10/18/2025	3:45:00	6.2	2.805	0.4	694,579	14.3	277
10/18/2025	4:15:00	6.4	2.381	0.8	694,640	14.2	278
10/18/2025	4:30:00	6.3	0.413	0	694,671	14.4	277
10/18/2025	4:45:00	6.1	2.767	0.7	694,706	14.4	276
10/18/2025	5:00:00	6.1	2.759	0	694,744	14.3	275
10/18/2025	5:15:00	6.2	2.260	0.9	694,784	14.4	277
10/18/2025	5:30:00	6.2	0.424	0.8	694,807	14.6	277
10/18/2025	5:45:00	6.1	2.763	0.4	694,850	14.2	278
10/18/2025	6:00:00	6.3	2.267	3	694,888	14.5	279
10/18/2025	6:15:00	6.2	2.426	0.7	694,918	15.1	282
10/18/2025	6:30:00	5.9	2.771	0.5	694,958	14.6	279
10/18/2025	6:45:00	5.8	2.763	0.2	694,995	14.7	278
10/18/2025	7:00:00	6.1	2.778	0.6	695,020	14.7	285
10/18/2025	7:15:00	6	2.263	3.2	695,060	14.7	282
10/18/2025	7:30:00	5.8	0.416	0	695,086	15	279
10/18/2025	7:45:00	6.2	2.759	0	695,122	14.1	278
10/18/2025	8:00:00	6.7	2.263	0.6	695,160	13.8	282
10/18/2025	8:15:00	6.8	2.400	0	695,188	13.6	282
10/18/2025	8:30:00	6.8	2.755	0.1	695,228	13.3	283

<b>Title</b>	<b>WoodFibre Weekly Water Discharge Report</b>	<b>Revision:</b>	<b>0</b>
<b>Data Date Range</b>	<b>October 13,2025 to October 19, 2025</b>	<b>Prepared by:</b> <b>Approved by:</b> <b>Date:</b>	<b>SD</b> <b>BC2</b> <b>November 4, 2025</b>

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
10/18/2025	8:45:00	6.9	2.778	0.5	695,252	13.7	283
10/18/2025	9:00:00	6.9	2.752	0.1	695,290	13.2	279
10/18/2025	9:15:00	6.9	2.263	0.3	695,313	13.6	281
10/18/2025	9:30:00	6.9	2.199	0.2	695,337	13.3	279
10/18/2025	9:45:00	6.9	1.136	0.7	695,361	12.8	279
10/18/2025	10:00:00	7	2.850	1.2	695,390	12.8	282
10/18/2025	10:15:00	7	2.843	1	695,433	12.9	284
10/18/2025	10:30:00	7	2.347	1.4	695,472	13	282
10/18/2025	10:45:00	7	2.824	1.7	695,510	13.1	286
10/18/2025	11:00:00	7	2.419	1.4	695,551	13.2	286
10/18/2025	11:15:00	7	2.347	2.1	695,579	13.7	286
10/18/2025	11:30:00	6.9	2.831	1.6	695,620	13.6	285
10/18/2025	11:45:00	6.8	0.409	0.9	695,649	14.2	286
10/18/2025	12:00:00	6.7	2.820	0.7	695,680	14.1	286
10/18/2025	12:15:00	6.7	2.839	0.5	695,705	14.2	284
10/18/2025	12:30:00	6.6	2.339	0.1	695,744	14.2	284
10/18/2025	12:45:00	6.6	2.839	1.1	695,772	14.3	284
10/18/2025	13:00:00	6.5	2.430	0.2	695,813	14.4	284
10/18/2025	13:15:00	6.5	2.335	0.3	695,850	14.5	284
10/18/2025	13:30:00	6.5	2.808	1.5	695,892	14.3	283
10/18/2025	13:45:00	6.5	2.812	0.1	695,919	14.5	284
10/18/2025	14:00:00	6.5	2.820	2.2	695,957	14.5	284
10/18/2025	14:15:00	6.4	2.808	1.4	696,000	14.4	284
10/18/2025	14:45:00	6.5	0.095	1.1	696,019	14.3	286
10/18/2025	15:00:00	6.5	2.422	0.9	696,053	14.5	286

<b>Title</b>	<b>WoodFibre Weekly Water Discharge Report</b>	<b>Revision:</b>	<b>0</b>
<b>Data Date Range</b>	<b>October 13,2025 to October 19, 2025</b>	<b>Prepared by:</b> <b>Approved by:</b> <b>Date:</b>	<b>SD</b> <b>BC2</b> <b>November 4, 2025</b>

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
10/18/2025	15:15:00	6.5	0.341	2.2	696,087	14.7	288
10/18/2025	15:30:00	6.5	0.416	0.5	696,113	14.5	286
10/18/2025	15:45:00	6.4	2.816	0.7	696,138	14.7	288
10/18/2025	16:00:00	6.5	2.839	0.7	696,166	14.6	288
10/18/2025	16:15:00	6.4	2.831	1.4	696,209	14.3	288
10/18/2025	16:30:00	6.4	0.435	0.2	696,245	14.4	286
10/18/2025	16:45:00	6.9	2.812	0	696,276	15.9	119
10/18/2025	17:00:00	6.7	2.381	0.5	696,316	13.8	282
10/18/2025	17:15:00	6.7	2.297	1	696,340	14.1	287
10/18/2025	17:30:00	6.7	2.774	0.2	696,380	13.7	284
10/18/2025	17:45:00	6.7	0.413	0.7	696,416	13.9	284
10/18/2025	18:00:00	6.6	2.790	1.5	696,443	13.8	284
10/18/2025	18:15:00	6.6	2.774	1.4	696,484	13.6	286
10/18/2025	18:30:00	6.7	2.286	1.3	696,509	13.7	289
10/18/2025	18:45:00	6.7	2.774	0.7	696,547	13.3	288
10/18/2025	19:00:00	6.8	0.322	0.7	696,583	13.3	291
10/18/2025	19:45:00	7	2.774	1.5	696,640	13	293
10/18/2025	20:00:00	7	2.801	2.3	696,664	13	288
10/18/2025	20:15:00	6.9	2.782	0.8	696,705	13	284
10/18/2025	20:30:00	6.9	2.275	1.3	696,743	13.2	286
10/18/2025	20:45:00	6.8	2.774	0.7	696,781	13.2	284
10/18/2025	21:00:00	6.8	2.381	1.6	696,821	13.3	282
10/18/2025	21:15:00	6.7	2.294	0.5	696,844	14.1	286
10/18/2025	21:30:00	6.7	2.778	0.2	696,885	13.5	284
10/18/2025	21:45:00	6.7	2.774	0.6	696,924	13.7	284

<b>Title</b>	<b>WoodFibre Weekly Water Discharge Report</b>	<b>Revision:</b>	<b>0</b>
<b>Data Date Range</b>	<b>October 13,2025 to October 19, 2025</b>	<b>Prepared by:</b> <b>Approved by:</b> <b>Date:</b>	<b>SD</b> <b>BC2</b> <b>November 4, 2025</b>

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
10/18/2025	22:00:00	6.6	2.778	1	696,961	13.7	284
10/18/2025	22:30:00	6.5	2.271	0.1	697,020	13.9	283
10/18/2025	23:00:00	6.4	2.411	0.8	697,083	14.1	284
10/18/2025	23:15:00	6.5	2.282	0.1	697,120	14.1	286
10/18/2025	23:30:00	6.5	2.771	0.7	697,160	13.8	286
10/18/2025	23:45:00	6.5	2.778	1.8	697,184	14.1	286
10/19/2025	0:15:00	6.4	2.790	0	697,248	14	283
10/19/2025	0:30:00	6.4	2.271	0	697,285	14	283
10/19/2025	1:15:00	6.3	2.282	1.2	697,337	14.3	283
10/19/2025	1:30:00	6.3	2.771	0.2	697,378	14	285
10/19/2025	1:45:00	6.3	2.767	0.3	697,416	14.2	282
10/19/2025	2:00:00	6.2	2.790	1.3	697,430	15.3	286
10/19/2025	2:15:00	6.5	2.767	4.2	697,472	13.7	282
10/19/2025	2:30:00	6.5	2.324	0	697,490	15.1	284
10/19/2025	2:45:00	6.1	2.771	3.1	697,528	14.1	281
10/19/2025	3:00:00	6.2	2.381	0	697,568	14.1	281
10/19/2025	3:15:00	6.4	2.286	0.4	697,588	14.1	284
10/19/2025	3:30:00	6.6	2.771	0.5	697,629	13.6	282
10/19/2025	4:00:00	6.5	2.778	1.1	697,684	13.7	282
10/19/2025	4:15:00	6.5	2.763	1.3	697,726	13.7	283
10/19/2025	4:45:00	6.4	2.782	1.5	697,784	13.9	283
10/19/2025	5:00:00	6.5	2.377	1.5	697,823	14	286
10/19/2025	5:15:00	6.6	2.286	1	697,845	14.1	286
10/19/2025	5:30:00	6.6	2.767	0.8	697,886	13.6	284
10/19/2025	6:00:00	6.7	2.771	1.2	697,947	13.4	284

<b>Title</b>	<b>WoodFibre Weekly Water Discharge Report</b>	<b>Revision:</b>	<b>0</b>
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Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
10/19/2025	6:30:00	6.7	2.275	0	698,010	13.5	284
10/19/2025	7:00:00	6.4	2.385	0.7	698,068	13.8	281
10/19/2025	7:30:00	6.7	2.763	0	698,130	13.3	280
10/19/2025	8:00:00	6.8	2.782	1.4	698,189	13.1	280
10/19/2025	8:15:00	6.8	2.759	0	698,231	13	278
10/19/2025	8:30:00	6.8	2.248	0	698,254	13.6	280
10/19/2025	8:45:00	6.8	2.778	0	698,292	13.2	277
10/19/2025	9:00:00	6.7	2.366	0	698,332	13.2	276
10/19/2025	9:15:00	6.7	2.271	2.5	698,368	13.3	279
10/19/2025	9:30:00	6.7	2.752	0	698,409	13.2	276
10/19/2025	9:45:00	6.6	2.755	0	698,430	13.4	278
10/19/2025	10:00:00	6.5	2.778	1.3	698,449	14.2	281
10/19/2025	10:15:00	6.5	2.752	0	698,490	13.4	278
10/19/2025	10:30:00	6.5	2.252	0	698,527	13.6	278
10/19/2025	10:45:00	6.5	2.778	0	698,551	13.8	276
10/19/2025	11:00:00	6.4	2.373	0.3	698,591	13.7	276
10/19/2025	11:15:00	6.4	2.271	0	698,627	13.8	276
10/19/2025	11:30:00	6.3	2.763	0	698,668	13.6	275
10/19/2025	11:45:00	6.3	2.759	0	698,706	13.7	274
10/19/2025	12:00:00	6.3	2.786	0	698,731	13.8	274
10/19/2025	12:15:00	6.3	2.415	0	698,773	13.6	273
10/19/2025	12:30:00	6.3	2.260	0	698,810	13.8	274
10/19/2025	12:45:00	6.3	2.763	0	698,832	13.8	276
10/19/2025	13:00:00	6.3	2.369	0	698,855	14.3	274
10/19/2025	13:15:00	6.3	2.271	0	698,892	14.1	273

<b>Title</b>	<b>WoodFibre Weekly Water Discharge Report</b>	<b>Revision:</b>	<b>0</b>
<b>Data Date Range</b>	<b>October 13,2025 to October 19, 2025</b>	<b>Prepared by:</b> <b>Approved by:</b> <b>Date:</b>	<b>SD</b> <b>BC2</b> <b>November 4, 2025</b>

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
10/19/2025	13:45:00	6.4	2.774	0	698,954	13.9	276
10/19/2025	14:00:00	6.3	2.771	1.6	698,992	13.9	274
10/19/2025	14:15:00	6.3	2.373	2.8	699,033	13.9	275
10/19/2025	14:30:00	6.3	2.112	1.4	699,070	14.1	273
10/19/2025	14:45:00	6.3	2.782	3.1	699,097	14	275
10/19/2025	15:00:00	6.3	2.369	1.1	699,136	14.2	273
10/19/2025	15:15:00	6.3	2.271	0	699,173	14.2	273
10/19/2025	15:30:00	6.4	2.786	2.6	699,200	14	274
10/19/2025	15:45:00	6.4	2.839	0.7	699,230	13.7	274
10/19/2025	16:00:00	6.5	2.820	2.9	699,268	13.9	274
10/19/2025	16:15:00	6.5	2.430	0.5	699,290	14	274
10/19/2025	16:30:00	6.4	2.279	2.5	699,327	14	273
10/19/2025	17:00:00	6.5	2.369	3.3	699,392	14	274
10/19/2025	17:15:00	6.4	2.290	1.5	699,428	14.1	273
10/19/2025	17:30:00	6.3	2.771	1.7	699,469	13.9	273
10/19/2025	17:45:00	6.3	2.793	2.4	699,494	14	275
10/19/2025	18:15:00	6.2	2.377	0	699,550	13.8	273
10/19/2025	18:30:00	6.3	2.294	3.6	699,587	13.8	274
10/19/2025	18:45:00	6.4	2.778	0.5	699,626	13.5	274
10/19/2025	19:00:00	6.5	2.362	0.5	699,653	14.1	274
10/19/2025	19:15:00	6.7	2.347	0	699,689	13.3	273
10/19/2025	19:30:00	6.8	2.767	0.4	699,731	12.9	274
10/19/2025	19:45:00	6.9	2.755	0.6	699,769	12.8	276
10/19/2025	20:00:00	6.9	2.790	0.5	699,793	12.7	276
10/19/2025	20:15:00	7	2.358	1.2	699,834	12.6	276

<b>Title</b>	<b>WoodFibre Weekly Water Discharge Report</b>	<b>Revision:</b>	<b>0</b>
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Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
10/19/2025	20:45:00	6.9	2.752	0	699,894	13.1	279
10/19/2025	21:00:00	6.7	2.350	1.5	699,919	13.6	276
10/19/2025	21:30:00	6.3	2.763	0	699,980	13.8	277
10/19/2025	21:45:00	6.3	2.752	0.6	700,018	13.9	276
10/19/2025	22:00:00	6.5	2.752	0	700,034	13.6	281
10/19/2025	22:15:00	6.6	2.358	0.1	700,061	13.5	281
10/19/2025	22:45:00	6.7	2.755	2.2	700,121	13.4	283
10/19/2025	23:15:00	6.8	2.755	1.3	700,165	13.5	281
10/19/2025	23:30:00	6.8	2.740	0.5	700,207	13.4	282
10/19/2025	23:45:00	6.8	2.744	2.3	700,227	13.5	283

**Table 3. In-Situ Parameters**

Date	Temperature °C	DO mg/L	Conductivity SPC-uS/cm	SAL-ppt	pH	ORP (mV)	NTU
10/13/2025	13.9	9.41	202.5	0.10	7.31	110.4	1.45
10/14/2025	13.2	9.95	194.1	0.10	7.28	114.8	1.74
10/15/2025	14.2	9.19	199.5	0.11	7.48	129.6	2.61
10/16/2025	14.4	10.07	241.4	0.09	7.40	173.6	3.72
10/17/2025	13.8	9.91	220.5	0.09	7.54	193.5	2.37
10/18/2025	13.1	10.22	231.2	0.11	7.65	176.6	4.43
10/19/2025	12.9	10.12	197.6	0.10	7.12	147.4	3.90



**Eagle Mountain- Woodfibre Gas Pipeline Project- Tunnel Scope**

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**3. Calibration Log:**

**Table 4. Calibration Log**

<b>Date</b>	<b>Unit</b>	<b>pH</b>	<b>Conductivity/Temp.</b>	<b>Salinity</b>	<b>NTU</b>
10/14/2025	YSI	✓	✓	✓	✓
10/14/2025	WTP	✓	N/A	N/A	✓



**Eagle Mountain- Woodfibre Gas Pipeline Project- Tunnel Scope**

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**APPENDIX A: WTP Log**



## Eagle Mountain- Woodfibre Gas Pipeline Project- Tunnel Scope

<b>Title</b>	<b>WoodFibre Weekly Water Discharge Report</b>	<b>Revision:</b>	<b>0</b>
<b>Data Date Range</b>	<b>October 13,2025 to October 19, 2025</b>	<b>Prepared by:</b> <b>Approved by:</b> <b>Date:</b>	<b>SD</b> <b>BC2</b> <b>November 4, 2025</b>

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Valve Status	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
10/13/2025	0:00:00	6.5	2.483	1.7	679,461	Closed	13.7	277
10/13/2025	0:15:00	6.5	0.284	3.8	679,492	Closed	13.4	277
10/13/2025	0:30:00	6.5	2.207	3	679,520	Open	13.4	278
10/13/2025	0:45:00	6.5	2.604	2.4	679,559	Open	13.2	279
10/13/2025	1:00:00	6.5	2.210	2.7	679,595	Open	13.4	279
10/13/2025	1:15:00	6.5	2.627	5.4	679,619	Open	13.4	281
10/13/2025	1:30:00	6.5	2.615	3.5	679,658	Open	13.3	281
10/13/2025	1:45:00	6.5	2.203	2.5	679,693	Open	13.8	281
10/13/2025	2:00:00	6.5	2.600	1.5	679,730	Open	13.7	281
10/13/2025	2:15:00	6.5	2.237	2.5	679,768	Open	13.8	281
10/13/2025	2:30:00	6.5	2.207	12	679,778	Open	13.9	281
10/13/2025	2:45:00	6.5	2.585	1.9	679,817	Open	13.8	281
10/13/2025	3:00:00	6.5	0.257	5.2	679,840	Closed	14.2	281
10/13/2025	3:15:00	6.5	2.600	3.4	679,873	Open	13.8	279
10/13/2025	3:30:00	6.6	2.771	5.4	679,898	Open	13.6	281
10/13/2025	3:45:00	6.6	2.195	8.8	679,933	Open	13.7	281
10/13/2025	4:00:00	6.7	2.604	17.4	679,947	Open	13.9	283
10/13/2025	4:15:00	6.9	1.681	7.8	679,983	Open	13.2	283
10/13/2025	4:30:00	7	1.597	7.3	680,009	Open	13.1	283
10/13/2025	4:45:00	7	2.570	3.7	680,031	Open	13.5	283
10/13/2025	5:00:00	7	2.006	9.4	680,059	Open	13	283
10/13/2025	5:15:00	7	2.612	4.9	680,094	Open	13	283
10/13/2025	5:30:00	7	0.371	7.6	680,128	Closed	13	283
10/13/2025	5:45:00	7	2.180	9.7	680,145	Open	13	284
10/13/2025	6:00:00	7	2.581	7.6	680,181	Open	12.9	284

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Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Valve Status	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
10/13/2025	6:15:00	7	2.188	7	680,219	Open	12.9	284
10/13/2025	6:30:00	7.3	0.371	1.2	680,239	Open	13	284
10/13/2025	6:45:00	7	2.619	5.3	680,277	Open	13.3	286
10/13/2025	7:00:00	6.8	1.760	16.9	680,310	Open	13.5	283
10/13/2025	7:15:00	6.8	2.483	5.1	680,337	Closed	13.6	282
10/13/2025	7:30:00	6.7	2.619	4.5	680,372	Open	13.7	283
10/13/2025	7:45:00	6.6	2.210	15.5	680,407	Open	13.8	282
10/13/2025	8:00:00	6.6	0.594	6.9	680,444	Closed	13.9	283
10/13/2025	8:15:00	6.5	2.203	3.1	680,462	Open	14.1	279
10/13/2025	8:30:00	6.4	2.203	5.2	680,494	Open	14.1	279
10/13/2025	8:45:00	6.5	2.566	3.7	680,496	Closed	13.7	281
10/13/2025	9:00:00	6.5	1.745	4.4	680,524	Open	13.6	280
10/13/2025	9:15:00	6.6	2.581	2.2	680,553	Open	13.5	280
10/13/2025	9:30:00	6.7	2.581	10.7	680,578	Open	13.9	284
10/13/2025	9:45:00	6.6	2.180	3.5	680,612	Open	14.1	281
10/13/2025	10:00:00	6.4	2.593	2.2	680,649	Open	14.1	282
10/13/2025	10:15:00	6.2	2.184	2.5	680,687	Open	14.5	281
10/13/2025	10:30:00	6	0.662	4.2	680,706	Closed	15.3	285
10/13/2025	10:45:00	5.8	2.574	2	680,741	Open	14.7	278
10/13/2025	11:00:00	6.3	2.173	3	680,777	Open	14.5	284
10/13/2025	11:15:00	6.5	2.585	2.5	680,812	Open	14.2	284
10/13/2025	11:30:00	6.5	2.570	2.3	680,850	Open	14.1	284
10/13/2025	11:45:00	6.6	1.805	6.7	680,881	Open	14	282
10/13/2025	12:00:00	6.7	2.581	3.7	680,916	Open	13.9	284
10/13/2025	12:15:00	6.7	2.173	5.7	680,948	Open	14.1	284



**Eagle Mountain- Woodfibre Gas Pipeline Project- Tunnel Scope**

<b>Title</b>	<b>WoodFibre Weekly Water Discharge Report</b>	<b>Revision:</b>	<b>0</b>
<b>Data Date Range</b>	<b>October 13,2025 to October 19, 2025</b>	<b>Prepared by:</b> <b>Approved by:</b> <b>Date:</b>	<b>SD</b> <b>BC2</b> <b>November 4, 2025</b>

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Valve Status	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
10/13/2025	12:30:00	6.7	2.210	3.5	680,980	Open	14.1	283
10/13/2025	12:45:00	6.7	2.593	6	681,002	Open	14.1	284
10/13/2025	13:00:00	6.7	2.207	7.5	681,019	Open	14.6	284
10/13/2025	13:15:00	6.7	2.608	3	681,055	Open	14.1	284
10/13/2025	13:30:00	6.7	2.593	2.4	681,083	Open	14	285
10/13/2025	13:45:00	6.7	2.600	6.1	681,118	Open	14.1	287
10/13/2025	14:00:00	6.7	2.502	2.8	681,149	Closed	14	286
10/13/2025	14:15:00	6.7	1.847	3.9	681,155	Open	14.1	286
10/13/2025	14:30:00	6.8	1.654	359.7	681,166	Closed	15	286
10/13/2025	14:45:00	6.8	2.615	20.3	681,183	Open	13.9	282
10/13/2025	15:00:00	6.9	2.241	4.5	681,215	Open	14	286
10/13/2025	15:15:00	6.9	2.597	5.7	681,254	Open	13.9	287
10/13/2025	15:30:00	6.9	2.578	6.8	681,293	Open	13.9	287
10/13/2025	15:45:00	6.9	2.131	17	681,330	Open	14	289
10/13/2025	16:00:00	6.8	2.570	5.1	681,367	Open	14	289
10/13/2025	16:15:00	6.8	2.578	6.4	681,380	Open	14.2	287
10/13/2025	16:30:00	6.7	2.570	13	681,404	Open	14.6	287
10/13/2025	16:45:00	6.8	2.597	8.2	681,443	Open	13.8	286
10/13/2025	17:00:00	6.9	2.604	7.6	681,478	Open	13.6	286
10/13/2025	17:15:00	6.9	2.604	7.4	681,514	Open	13.5	286
10/13/2025	17:30:00	6.9	2.188	14.3	681,551	Open	13.4	289
10/13/2025	17:45:00	7	2.180	9.7	681,587	Open	13.3	289
10/13/2025	18:00:00	7	0.466	17.9	681,617	Closed	13.2	292
10/13/2025	18:15:00	7	2.589	13.8	681,642	Open	13.1	292
10/13/2025	18:30:00	7	2.578	11.9	681,678	Open	13	290

<b>Title</b>	<b>WoodFibre Weekly Water Discharge Report</b>	<b>Revision:</b>	<b>0</b>
<b>Data Date Range</b>	<b>October 13,2025 to October 19, 2025</b>	<b>Prepared by:</b> <b>Approved by:</b> <b>Date:</b>	<b>SD</b> <b>BC2</b> <b>November 4, 2025</b>

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Valve Status	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
10/13/2025	18:45:00	7	2.600	9.8	681,702	Open	12.9	292
10/13/2025	19:00:00	7	2.604	9.3	681,737	Open	12.9	292
10/13/2025	19:15:00	7	2.589	9.9	681,773	Open	12.8	292
10/13/2025	19:30:00	7	0.413	29.7	681,808	Open	12.8	291
10/13/2025	19:45:00	7	1.745	11.3	681,834	Open	12.7	290
10/13/2025	20:00:00	7	2.612	7.7	681,870	Open	12.7	291
10/13/2025	20:15:00	7	2.608	16.1	681,902	Open	12.7	292
10/13/2025	20:30:00	7	2.597	6.3	681,937	Open	12.7	292
10/13/2025	20:45:00	7	2.604	4.6	681,962	Open	12.7	294
10/13/2025	21:00:00	7	2.619	4.7	681,998	Open	12.7	294
10/13/2025	21:15:00	6.9	2.615	7.1	682,033	Open	12.7	294
10/13/2025	21:30:00	6.9	2.139	21.6	682,070	Closed	12.9	294
10/13/2025	21:45:00	7	2.188	11	682,099	Open	12.9	294
10/13/2025	22:00:00	7	2.600	7.8	682,136	Open	12.9	294
10/13/2025	22:15:00	7	2.627	12.7	682,144	Open	12.9	294
10/13/2025	22:30:00	7	2.623	10.6	682,180	Open	13	294
10/13/2025	22:45:00	6.9	0.356	10.2	682,216	Closed	12.9	294
10/13/2025	23:00:00	7	2.608	6.7	682,235	Open	12.9	294
10/13/2025	23:15:00	7	0.235	10.2	682,265	Closed	12.9	294
10/13/2025	23:30:00	7.1	2.210	0	682,282	Open	12.8	291
10/13/2025	23:45:00	7	2.305	13.1	682,319	Open	13.2	290
10/14/2025	0:00:00	6.9	2.668	8.8	682,358	Open	13.3	287
10/14/2025	0:15:00	6.7	2.540	8.6	682,390	Open	14.2	289
10/14/2025	0:30:00	6.7	0.560	10.5	682,423	Closed	13.7	286
10/14/2025	0:45:00	6.6	2.559	7.1	682,446	Open	13.5	281



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<b>Data Date Range</b>	<b>October 13,2025 to October 19, 2025</b>	<b>Prepared by:</b> <b>Approved by:</b> <b>Date:</b>	<b>SD</b> <b>BC2</b> <b>November 4, 2025</b>

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Valve Status	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
10/14/2025	1:00:00	6.5	2.585	3.4	682,480	Open	13.5	281
10/14/2025	1:15:00	6.5	2.532	6.2	682,511	Open	13.4	281
10/14/2025	1:30:00	6.5	2.070	8.9	682,533	Open	13.6	286
10/14/2025	1:45:00	6.4	2.192	11.5	682,568	Open	13.5	281
10/14/2025	2:00:00	6.4	2.536	5.6	682,604	Open	13.4	278
10/14/2025	2:15:00	6.4	2.665	9.2	682,640	Open	13.6	283
10/14/2025	2:30:00	6.4	2.210	13.5	682,672	Open	13.4	277
10/14/2025	2:45:00	6.4	2.672	8.7	682,712	Open	13.5	281
10/14/2025	3:00:00	6.4	0.216	5.1	682,741	Closed	13.7	281
10/14/2025	3:15:00	6.4	2.676	6.3	682,773	Open	13.5	281
10/14/2025	3:30:00	6.3	2.309	7.2	682,811	Open	13.6	278
10/14/2025	3:45:00	6.3	2.316	10.5	682,836	Open	13.7	279
10/14/2025	4:00:00	6.3	2.676	2.5	682,875	Open	13.5	279
10/14/2025	4:15:00	6.3	2.574	11.6	682,910	Open	13.4	278
10/14/2025	4:30:00	6.3	2.525	2.3	682,942	Open	13.4	278
10/14/2025	4:45:00	6.3	2.600	2.5	682,981	Open	13.4	278
10/14/2025	5:00:00	6.2	2.604	1.6	683,017	Open	13.4	278
10/14/2025	5:15:00	6.4	0.000	3.6	683,046	Closed	13.6	278
10/14/2025	5:30:00	6.5	2.210	9.4	683,074	Open	13.5	281
10/14/2025	5:45:00	6.6	2.195	1.9	683,089	Open	13.5	282
10/14/2025	6:00:00	6.7	2.604	4.4	683,126	Open	13.2	281
10/14/2025	6:15:00	6.7	2.634	7.6	683,146	Open	13.2	281
10/14/2025	6:30:00	6.6	2.608	5.6	683,176	Open	13.2	281
10/14/2025	6:45:00	6.6	2.574	3.9	683,215	Open	13.2	278
10/14/2025	7:00:00	6.7	2.581	4.5	683,250	Open	13.1	275



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<b>Data Date Range</b>	<b>October 13,2025 to October 19, 2025</b>	<b>Prepared by:</b> <b>Approved by:</b> <b>Date:</b>	<b>SD</b> <b>BC2</b> <b>November 4, 2025</b>

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Valve Status	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
10/14/2025	7:15:00	6.8	1.938	4.6	683,284	Open	12.7	288
10/14/2025	7:30:00	6.9	2.676	8.9	683,313	Open	12.8	283
10/14/2025	7:45:00	6.8	2.513	2.5	683,351	Open	12.5	284
10/14/2025	8:00:00	6.8	2.494	1.7	683,388	Open	12.5	284
10/14/2025	8:15:00	6.9	2.642	9.6	683,420	Open	12.2	277
10/14/2025	8:30:00	7	2.415	8.9	683,449	Open	12.1	279
10/14/2025	8:45:00	6.9	2.612	3.1	683,486	Open	12.1	282
10/14/2025	9:00:00	7	2.210	7.5	683,510	Open	12.2	281
10/14/2025	9:15:00	7	0.000	15.9	683,525	Closed	12.4	281
10/14/2025	9:30:00	6.9	2.286	14.2	683,555	Open	12.1	278
10/14/2025	9:45:00	7	2.161	12.2	683,590	Open	12.1	277
10/14/2025	10:00:00	6.9	2.430	3.8	683,626	Open	12.2	281
10/14/2025	10:15:00	6.9	2.562	10.9	683,658	Open	12.3	279
10/14/2025	10:30:00	6.9	2.699	9.5	683,687	Open	12.6	279
10/14/2025	10:45:00	6.8	2.487	0	683,725	Open	13	280
10/14/2025	11:00:00	6.8	2.218	6.2	683,760	Open	13	278
10/14/2025	11:15:00	6.8	2.407	26.5	683,792	Open	13.1	277
10/14/2025	11:30:00	6.9	2.714	13.8	683,809	Open	13.3	274
10/14/2025	11:45:00	6.9	1.942	17.7	683,835	Open	13.2	276
10/14/2025	12:00:00	6.9	2.585	10.9	683,870	Open	13.3	276
10/14/2025	12:15:00	6.9	2.222	14.8	683,908	Open	13.4	274
10/14/2025	12:30:00	6.9	2.320	10.3	683,942	Open	13.4	276
10/14/2025	12:45:00	6.8	2.631	15.4	683,980	Open	13.3	274
10/14/2025	13:00:00	6.8	2.218	16.1	684,015	Open	13.5	277
10/14/2025	13:15:00	6.8	0.000	10.7	684,034	Closed	14.7	277



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<b>Data Date Range</b>	<b>October 13,2025 to October 19, 2025</b>	<b>Prepared by:</b> <b>Approved by:</b> <b>Date:</b>	<b>SD</b> <b>BC2</b> <b>November 4, 2025</b>

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Valve Status	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
10/14/2025	13:30:00	6.8	2.615	16.6	684,063	Open	13.9	276
10/14/2025	13:45:00	6.8	1.953	18.2	684,090	Open	13.6	276
10/14/2025	14:00:00	6.8	2.608	13.3	684,125	Open	14	277
10/14/2025	14:15:00	6.8	2.207	7.7	684,148	Open	15.4	279
10/14/2025	14:30:00	6.8	2.210	15.6	684,178	Open	15.3	278
10/14/2025	14:45:00	6.9	2.615	12.1	684,208	Open	14.7	278
10/14/2025	15:00:00	6.9	2.173	12.2	684,244	Open	14.5	278
10/14/2025	15:15:00	6.9	2.604	8.4	684,279	Open	14.3	278
10/14/2025	15:30:00	6.9	2.581	7.4	684,318	Open	14.1	279
10/14/2025	15:45:00	6.9	2.154	9.7	684,351	Open	14.1	279
10/14/2025	16:00:00	6.9	2.646	8	684,370	Open	14.5	278
10/14/2025	16:15:00	6.9	2.173	8.6	684,400	Open	14.2	278
10/14/2025	16:30:00	6.9	2.184	12.1	684,429	Open	14.2	279
10/14/2025	16:45:00	6.9	2.631	10.6	684,457	Open	13.9	279
10/14/2025	17:00:00	6.9	2.328	15.5	684,493	Open	13.8	279
10/14/2025	17:15:00	6.9	2.627	17.1	684,525	Open	14.6	281
10/14/2025	17:30:00	6.8	2.597	14.2	684,564	Open	15.5	279
10/14/2025	17:45:00	6.8	2.161	15.7	684,599	Open	16	278
10/14/2025	18:00:00	6.7	0.000	14.1	684,625	Closed	16.6	276
10/14/2025	18:15:00	6.4	2.104	22	684,654	Open	17.4	277
10/14/2025	18:30:00	6.6	1.923	17.6	684,668	Open	17.3	281
10/14/2025	18:45:00	6.7	2.604	15	684,700	Open	15.9	278
10/14/2025	19:00:00	6.8	2.597	10.2	684,735	Open	15.3	280
10/14/2025	19:15:00	6.8	2.615	11.5	684,771	Open	15.1	278
10/14/2025	19:30:00	6.9	2.581	17.2	684,806	Open	12.9	278



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<b>Data Date Range</b>	<b>October 13,2025 to October 19, 2025</b>	<b>Prepared by:</b> <b>Approved by:</b> <b>Date:</b>	<b>SD</b> <b>BC2</b> <b>November 4, 2025</b>

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Valve Status	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
10/14/2025	19:45:00	7	2.131	0	684,837	Open	12.9	276
10/14/2025	20:00:00	6.9	2.615	11.9	684,871	Open	12.7	276
10/14/2025	20:15:00	6.9	1.699	17.6	684,907	Open	12.6	276
10/14/2025	20:30:00	7	1.677	19.9	684,936	Open	12.6	275
10/14/2025	20:45:00	6.9	0.696	17.3	684,971	Open	12.8	278
10/14/2025	21:00:00	6.9	2.350	15.1	684,992	Open	12.5	276
10/14/2025	21:15:00	7	3.327	132.7	685,023	Closed	12.6	293
10/14/2025	21:30:00	7.1	0.299	0.1	685,051	Closed	12.6	289
10/14/2025	21:45:00	7.1	2.146	0	685,078	Open	12.7	288
10/14/2025	22:00:00	7	2.070	7	685,110	Open	13.2	288
10/14/2025	22:15:00	6.9	2.623	0	685,131	Open	13.7	286
10/14/2025	22:30:00	6.7	2.150	0	685,167	Open	13.7	283
10/14/2025	22:45:00	6.7	2.650	0	685,190	Open	13.7	284
10/14/2025	23:00:00	6.7	2.634	0	685,229	Open	13.4	282
10/14/2025	23:15:00	6.8	2.097	0.1	685,263	Open	13.4	282
10/14/2025	23:30:00	6.8	2.642	0.2	685,285	Open	13.3	285
10/14/2025	23:45:00	6.9	2.195	0	685,324	Open	13.3	284
10/15/2025	0:00:00	6.8	2.089	0.4	685,356	Open	13.5	286
10/15/2025	0:15:00	6.9	0.314	0.5	685,382	Closed	13.6	286
10/15/2025	0:30:00	6.8	2.169	0.1	685,411	Open	13.5	286
10/15/2025	0:45:00	6.8	2.638	1.2	685,434	Open	13.4	286
10/15/2025	1:00:00	6.8	2.468	2.5	685,466	Closed	13.4	284
10/15/2025	1:15:00	6.8	2.301	1.9	685,497	Open	13.4	284
10/15/2025	1:30:00	6.9	2.578	1	685,515	Open	13.5	287
10/15/2025	1:45:00	6.9	2.154	0.8	685,553	Open	13.4	287

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Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Valve Status	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
10/15/2025	2:00:00	6.9	2.059	1.3	685,585	Open	13.4	287
10/15/2025	2:15:00	7	0.371	1.5	685,605	Closed	13.3	285
10/15/2025	2:30:00	7	2.483	1.2	685,638	Open	13.3	287
10/15/2025	2:45:00	7	2.608	1.6	685,676	Open	13.1	287
10/15/2025	3:00:00	7	2.464	2.2	685,711	Closed	13.1	284
10/15/2025	3:15:00	7	1.893	0	685,719	Closed	13.3	284
10/15/2025	3:30:00	7	2.604	0	685,754	Open	13	286
10/15/2025	3:45:00	7	2.169	0	685,792	Open	13.2	290
10/15/2025	4:00:00	7	2.082	0	685,827	Open	13.5	287
10/15/2025	4:15:00	6.9	2.593	0	685,866	Open	13.6	289
10/15/2025	4:30:00	6.9	2.532	0.5	685,882	Open	13.6	289
10/15/2025	4:45:00	6.8	0.795	0.6	685,897	Closed	14.3	291
10/15/2025	5:00:00	6.8	2.612	0	685,935	Open	13.8	289
10/15/2025	5:15:00	6.8	2.086	2.1	685,972	Open	13.8	291
10/15/2025	5:30:00	6.8	0.640	0.2	686,002	Closed	13.9	291
10/15/2025	5:45:00	6.8	2.763	0.1	686,023	Open	13.8	291
10/15/2025	6:00:00	6.8	2.093	0.8	686,058	Open	13.8	291
10/15/2025	6:15:00	6.8	2.176	0.7	686,095	Open	13.8	291
10/15/2025	6:30:00	6.8	2.604	2.5	686,133	Open	13.7	294
10/15/2025	6:45:00	6.9	0.609	1.2	686,154	Closed	14	294
10/15/2025	7:00:00	6.9	2.623	0.1	686,184	Open	13.8	294
10/15/2025	7:15:00	7	1.983	3.5	686,219	Open	13.7	293
10/15/2025	7:30:00	7	2.627	2.3	686,236	Open	13.8	297
10/15/2025	7:45:00	7	2.615	0.9	686,271	Open	13.9	297
10/15/2025	8:00:00	7	2.089	1.1	686,306	Open	14.4	295

<b>Title</b>	<b>WoodFibre Weekly Water Discharge Report</b>	<b>Revision:</b>	<b>0</b>
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Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Valve Status	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
10/15/2025	8:15:00	7	2.248	0.4	686,322	Open	15	292
10/15/2025	8:30:00	7	2.608	0.2	686,360	Open	14.2	288
10/15/2025	8:45:00	7	2.627	1.2	686,379	Open	14.8	288
10/15/2025	9:00:00	7	2.608	0	686,415	Open	14.2	288
10/15/2025	9:15:00	7	2.089	1.3	686,452	Open	14.1	288
10/15/2025	9:30:00	7	0.530	1.6	686,467	Closed	13.8	288
10/15/2025	9:45:00	7	2.627	1.3	686,498	Open	13.9	289
10/15/2025	10:00:00	7	2.101	1.8	686,533	Open	14.1	291
10/15/2025	10:15:00	7	2.180	1.8	686,571	Open	14.1	293
10/15/2025	10:30:00	7	2.627	2	686,593	Open	14.2	293
10/15/2025	10:45:00	7	2.627	1.6	686,628	Open	14.2	294
10/15/2025	11:00:00	7	2.623	1	686,664	Open	14.3	296
10/15/2025	11:15:00	7	1.980	2.6	686,686	Closed	14.2	294
10/15/2025	11:30:00	7	2.619	1.8	686,721	Open	14.1	294
10/15/2025	11:45:00	7	2.612	1.7	686,757	Open	14.2	293
10/15/2025	12:00:00	7	2.570	3.2	686,792	Open	14.4	294
10/15/2025	12:15:00	7	2.192	2	686,829	Open	14.4	294
10/15/2025	12:30:00	7	2.612	1.3	686,867	Open	14.4	294
10/15/2025	12:45:00	7	0.322	2.3	686,892	Closed	14.8	295
10/15/2025	13:00:00	7	2.608	1.2	686,912	Open	14.9	294
10/15/2025	13:15:00	7	2.033	2.6	686,925	Open	14.7	293
10/15/2025	13:30:00	7	2.604	1.5	686,961	Open	14.5	293
10/15/2025	13:45:00	7	2.615	0.7	686,982	Open	15	293
10/15/2025	14:00:00	7	2.623	2.3	687,017	Open	14.9	290
10/15/2025	14:15:00	7	2.207	1	687,054	Open	14.8	289



**Eagle Mountain- Woodfibre Gas Pipeline Project- Tunnel Scope**

<b>Title</b>	<b>WoodFibre Weekly Water Discharge Report</b>	<b>Revision:</b>	<b>0</b>
<b>Data Date Range</b>	<b>October 13,2025 to October 19, 2025</b>	<b>Prepared by:</b> <b>Approved by:</b> <b>Date:</b>	<b>SD</b> <b>BC2</b> <b>November 4, 2025</b>

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Valve Status	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
10/15/2025	14:30:00	7	2.604	0.9	687,092	Open	14.6	289
10/15/2025	14:45:00	6.9	2.623	5.1	687,114	Open	14.9	293
10/15/2025	15:00:00	6.9	2.619	0.4	687,150	Open	14.9	293
10/15/2025	15:15:00	6.9	2.093	0.7	687,187	Open	14.9	293
10/15/2025	15:30:00	6.9	2.619	0.2	687,224	Open	14.8	292
10/15/2025	15:45:00	6.9	2.604	0.3	687,259	Open	14.9	288
10/15/2025	16:00:00	6.9	2.600	0.8	687,294	Open	15.2	287
10/15/2025	16:15:00	6.9	2.199	0.2	687,313	Open	15.6	287
10/15/2025	16:30:00	6.9	2.604	0	687,350	Open	14.9	287
10/15/2025	16:45:00	6.9	2.627	0.7	687,372	Open	15.4	288
10/15/2025	17:00:00	6.9	2.619	0	687,409	Open	15	285
10/15/2025	17:15:00	6.9	2.093	0	687,446	Open	14.6	285
10/15/2025	17:30:00	6.9	2.608	0	687,482	Open	14.3	284
10/15/2025	17:45:00	6.9	2.597	0	687,518	Open	14.3	287
10/15/2025	18:00:00	6.9	2.627	0	687,538	Open	15	286
10/15/2025	18:15:00	6.9	2.188	0	687,575	Open	14.1	283
10/15/2025	18:30:00	6.9	2.597	0	687,612	Open	13.9	283
10/15/2025	18:45:00	6.9	2.619	0	687,636	Open	14.1	283
10/15/2025	19:00:00	6.9	2.604	0	687,672	Open	13.8	283
10/15/2025	19:15:00	6.9	2.082	0	687,709	Open	13.7	283
10/15/2025	19:30:00	6.9	2.248	0	687,724	Open	14.2	283
10/15/2025	19:45:00	6.9	2.608	0	687,760	Open	13.8	280
10/15/2025	20:00:00	6.9	2.604	0.3	687,778	Open	13.8	280
10/15/2025	20:15:00	6.9	2.188	0	687,812	Open	13.1	278
10/15/2025	20:30:00	7	2.604	0	687,849	Open	13	278

<b>Title</b>	<b>WoodFibre Weekly Water Discharge Report</b>	<b>Revision:</b>	<b>0</b>
<b>Data Date Range</b>	<b>October 13,2025 to October 19, 2025</b>	<b>Prepared by:</b> <b>Approved by:</b> <b>Date:</b>	<b>SD</b> <b>BC2</b> <b>November 4, 2025</b>

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Valve Status	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
10/15/2025	20:45:00	7	0.273	0	687,880	Closed	13.1	278
10/15/2025	21:00:00	7	2.615	0	687,906	Open	13.1	278
10/15/2025	21:15:00	7	2.093	0	687,943	Open	13	276
10/15/2025	21:30:00	7	2.192	0	687,979	Open	12.7	277
10/15/2025	21:45:00	7	2.619	0.3	688,002	Open	12.7	280
10/15/2025	22:00:00	7	2.623	0.4	688,037	Open	12.6	278
10/15/2025	22:15:00	7	2.612	0.4	688,077	Open	12.4	278
10/15/2025	22:30:00	7	2.604	0.1	688,112	Open	12.4	280
10/15/2025	22:45:00	7	2.612	1.4	688,147	Open	12.4	280
10/15/2025	23:00:00	7	2.188	2.8	688,185	Open	12.2	280
10/15/2025	23:15:00	7	2.589	0.7	688,221	Open	12.2	280
10/15/2025	23:30:00	7	2.597	0.3	688,231	Open	12.1	278
10/15/2025	23:45:00	7	2.256	0.1	688,253	Open	12.2	278
10/16/2025	0:00:00	7	2.150	0.4	688,291	Open	12.2	278
10/16/2025	0:15:00	7	2.241	0	688,328	Open	12.2	277
10/16/2025	0:30:00	7	2.657	0.1	688,365	Open	12.2	277
10/16/2025	0:45:00	7	2.778	1.5	688,390	Open	12.5	279
10/16/2025	1:00:00	7	2.252	0	688,427	Open	12.4	279
10/16/2025	1:15:00	7	2.657	0.6	688,466	Open	12.5	281
10/16/2025	1:30:00	7	2.691	0	688,487	Open	12.9	278
10/16/2025	1:45:00	6.9	2.668	0	688,524	Open	13	279
10/16/2025	2:00:00	6.8	0.257	0.6	688,560	Closed	13.2	281
10/16/2025	2:15:00	6.8	2.245	0	688,581	Open	13.3	277
10/16/2025	2:30:00	6.7	2.661	0	688,619	Open	13.3	278
10/16/2025	2:45:00	6.7	2.555	0	688,641	Closed	13.8	276



**Eagle Mountain- Woodfibre Gas Pipeline Project- Tunnel Scope**

<b>Title</b>	<b>WoodFibre Weekly Water Discharge Report</b>	<b>Revision:</b>	<b>0</b>
<b>Data Date Range</b>	<b>October 13,2025 to October 19, 2025</b>	<b>Prepared by:</b> <b>Approved by:</b> <b>Date:</b>	<b>SD</b> <b>BC2</b> <b>November 4, 2025</b>

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Valve Status	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
10/16/2025	3:00:00	6.7	2.256	0	688,677	Open	13.4	276
10/16/2025	3:15:00	6.7	2.661	0	688,717	Open	13.1	275
10/16/2025	3:30:00	6.8	2.657	0.7	688,752	Open	13	275
10/16/2025	3:45:00	6.8	2.680	0.3	688,775	Open	13.2	276
10/16/2025	4:00:00	6.7	2.142	0	688,813	Open	13.3	278
10/16/2025	4:15:00	6.6	2.229	0	688,850	Open	13.3	276
10/16/2025	4:30:00	6.5	2.672	0	688,874	Open	13.5	277
10/16/2025	4:45:00	6.4	2.668	0	688,910	Open	13.8	277
10/16/2025	5:00:00	6.4	2.241	0	688,921	Open	13.8	278
10/16/2025	5:15:00	6.3	2.680	0	688,941	Open	13.7	277
10/16/2025	5:30:00	6.3	0.647	0	688,956	Closed	14.4	278
10/16/2025	5:45:00	6.3	2.672	0	688,988	Open	13.8	277
10/16/2025	6:00:00	6.3	2.142	0	689,025	Open	13.8	278
10/16/2025	6:15:00	6.3	2.218	0	689,063	Open	13.8	280
10/16/2025	6:30:00	6.3	2.676	0	689,085	Open	13.9	283
10/16/2025	6:45:00	6.4	2.668	0	689,121	Open	13.9	283
10/16/2025	7:00:00	6.4	2.229	0	689,158	Open	13.9	284
10/16/2025	7:15:00	6.4	0.511	0	689,190	Closed	13.9	284
10/16/2025	7:30:00	6.5	2.680	0	689,214	Open	13.6	283
10/16/2025	7:45:00	6.6	2.665	0	689,250	Open	13.5	282
10/16/2025	8:00:00	6.6	2.127	0.1	689,288	Open	13.6	281
10/16/2025	8:15:00	6.7	2.245	0	689,312	Open	13.4	282
10/16/2025	8:30:00	6.7	0.488	0	689,337	Closed	13.5	281
10/16/2025	8:45:00	6.7	2.400	0	689,366	Open	13.4	282
10/16/2025	9:00:00	6.7	2.256	0	689,382	Open	13.5	282



**Eagle Mountain- Woodfibre Gas Pipeline Project- Tunnel Scope**

<b>Title</b>	<b>WoodFibre Weekly Water Discharge Report</b>	<b>Revision:</b>	<b>0</b>
<b>Data Date Range</b>	<b>October 13,2025 to October 19, 2025</b>	<b>Prepared by:</b> <b>Approved by:</b> <b>Date:</b>	<b>SD</b> <b>BC2</b> <b>November 4, 2025</b>

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Valve Status	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
10/16/2025	9:15:00	6.8	2.597	0	689,421	Open	13.3	280
10/16/2025	9:30:00	6.9	2.661	0.2	689,457	Open	13.2	283
10/16/2025	9:45:00	6.9	2.684	0.9	689,480	Open	13.2	285
10/16/2025	10:00:00	6.9	2.135	2.1	689,517	Open	13.3	285
10/16/2025	10:15:00	6.9	2.438	0	689,555	Open	13.5	283
10/16/2025	10:30:00	6.8	2.661	0	689,592	Open	13.7	286
10/16/2025	10:45:00	6.6	2.521	0	689,608	Closed	14.2	284
10/16/2025	11:00:00	6.4	2.263	0	689,644	Open	14.2	285
10/16/2025	11:15:00	6.2	2.006	0	689,682	Closed	14.3	284
10/16/2025	11:30:00	6.1	2.665	0	689,713	Open	14.5	287
10/16/2025	11:45:00	6	2.661	0	689,744	Open	14.6	288
10/16/2025	12:00:00	5.9	2.135	1.3	689,765	Open	15.5	290
10/16/2025	12:15:00	6	2.256	0	689,802	Open	14.7	290
10/16/2025	12:30:00	6	0.000	0.6	689,822	Open	14.6	288
10/16/2025	12:45:00	6.2	0.379	1.7	689,848	Closed	14.9	287
10/16/2025	13:00:00	6.6	2.256	0.9	689,882	Open	14.3	289
10/16/2025	13:15:00	6.7	2.653	0.1	689,919	Open	13.9	288
10/16/2025	13:30:00	6.8	2.680	0	689,944	Open	13.9	288
10/16/2025	13:45:00	6.9	2.661	0	689,982	Open	13.8	288
10/16/2025	14:00:00	6.9	2.097	2.5	690,002	Open	13.9	287
10/16/2025	14:15:00	6.9	2.260	0.1	690,039	Open	13.7	287
10/16/2025	14:30:00	6.9	2.665	0.5	690,075	Open	13.6	288
10/16/2025	14:45:00	6.9	2.665	0.3	690,110	Open	13.7	288
10/16/2025	15:00:00	6.9	2.256	0.4	690,135	Open	14.1	292
10/16/2025	15:15:00	6.9	2.142	0.4	690,174	Open	13.6	288



**Eagle Mountain- Woodfibre Gas Pipeline Project- Tunnel Scope**

<b>Title</b>	<b>WoodFibre Weekly Water Discharge Report</b>	<b>Revision:</b>	<b>0</b>
<b>Data Date Range</b>	<b>October 13,2025 to October 19, 2025</b>	<b>Prepared by:</b> <b>Approved by:</b> <b>Date:</b>	<b>SD</b> <b>BC2</b> <b>November 4, 2025</b>

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Valve Status	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
10/16/2025	15:30:00	6.9	2.684	1.1	690,190	Open	13.9	290
10/16/2025	15:45:00	6.9	0.261	0	690,217	Closed	14	287
10/16/2025	16:00:00	6.9	2.139	1.6	690,247	Open	14	287
10/16/2025	16:15:00	6.9	2.256	0.8	690,277	Open	13.8	288
10/16/2025	16:30:00	6.9	2.491	0.4	690,306	Closed	13.7	288
10/16/2025	16:45:00	6.9	2.661	0	690,342	Open	13.9	287
10/16/2025	17:00:00	6.8	2.241	0	690,364	Open	14	289
10/16/2025	17:15:00	6.8	2.051	1.1	690,384	Open	13.7	285
10/16/2025	17:30:00	6.8	2.668	0	690,420	Open	13.7	288
10/16/2025	17:45:00	6.8	2.680	0.6	690,448	Open	13.8	288
10/16/2025	18:00:00	6.8	2.131	1.8	690,485	Open	13.9	288
10/16/2025	18:15:00	6.9	2.233	0.4	690,523	Open	13.7	288
10/16/2025	18:30:00	6.9	2.680	0.7	690,546	Open	13.7	292
10/16/2025	18:45:00	6.9	2.676	1.7	690,581	Open	13.7	291
10/16/2025	19:00:00	6.9	2.256	0.3	690,618	Open	13.8	292
10/16/2025	19:15:00	6.9	0.530	1.5	690,647	Closed	13.9	292
10/16/2025	19:30:00	6.9	2.657	0.6	690,679	Open	13.6	288
10/16/2025	19:45:00	6.9	2.672	0	690,702	Open	13.5	288
10/16/2025	20:00:00	6.9	2.139	0.2	690,739	Open	13.4	285
10/16/2025	20:15:00	6.9	2.260	0.5	690,776	Open	13.3	284
10/16/2025	20:30:00	6.9	0.496	0	690,801	Closed	13.3	284
10/16/2025	20:45:00	6.9	2.672	0.2	690,835	Open	13	284
10/16/2025	21:00:00	6.9	2.233	0.2	690,872	Open	12.9	286
10/16/2025	21:15:00	6.9	2.142	1	690,892	Open	12.9	287
10/16/2025	21:30:00	7	2.665	1	690,928	Open	12.8	289



**Eagle Mountain- Woodfibre Gas Pipeline Project- Tunnel Scope**

<b>Title</b>	<b>WoodFibre Weekly Water Discharge Report</b>	<b>Revision:</b>	<b>0</b>
<b>Data Date Range</b>	<b>October 13,2025 to October 19, 2025</b>	<b>Prepared by:</b> <b>Approved by:</b> <b>Date:</b>	<b>SD</b> <b>BC2</b> <b>November 4, 2025</b>

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Valve Status	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
10/16/2025	21:45:00	7	2.547	1.5	690,952	Closed	12.8	291
10/16/2025	22:00:00	7	2.127	1.5	690,960	Open	12.8	291
10/16/2025	22:15:00	7	2.237	1.6	690,998	Open	12.8	290
10/16/2025	22:30:00	7	2.676	1.5	691,024	Open	12.8	290
10/16/2025	22:45:00	7	0.379	1.8	691,053	Open	12.9	292
10/16/2025	23:00:00	7	0.314	1.2	691,082	Open	12.9	292
10/16/2025	23:15:00	7	2.142	1.7	691,114	Open	12.9	292
10/16/2025	23:30:00	7	2.668	1.6	691,150	Open	12.8	290
10/16/2025	23:45:00	7	2.661	1.3	691,187	Open	12.9	289
10/17/2025	0:00:00	7	2.131	2	691,223	Open	13	289
10/17/2025	0:15:00	7	2.260	0.7	691,248	Open	13.1	289
10/17/2025	0:30:00	7	2.657	1.4	691,286	Open	13.1	288
10/17/2025	0:45:00	7	0.341	1.4	691,315	Open	13.4	288
10/17/2025	1:00:00	7	2.256	0.3	691,346	Open	13.4	288
10/17/2025	1:15:00	7	2.256	1.3	691,359	Closed	13.3	286
10/17/2025	1:30:00	7	0.829	1	691,383	Closed	13.4	288
10/17/2025	1:45:00	7	2.684	0.9	691,410	Open	13.3	291
10/17/2025	2:00:00	7	2.139	2.9	691,422	Open	13.4	291
10/17/2025	2:15:00	7	2.245	0.4	691,460	Open	13.3	291
10/17/2025	2:30:00	7	0.818	0.6	691,482	Closed	13.4	288
10/17/2025	2:45:00	7	2.672	2.1	691,516	Open	13.3	288
10/17/2025	3:00:00	7	2.392	1.1	691,537	Open	13.6	288
10/17/2025	3:15:00	7	2.127	1.8	691,577	Open	13.4	288
10/17/2025	3:30:00	7	2.680	2.8	691,600	Open	13.5	292
10/17/2025	3:45:00	7	2.672	0.8	691,636	Open	13.5	287



**Eagle Mountain- Woodfibre Gas Pipeline Project- Tunnel Scope**

<b>Title</b>	<b>WoodFibre Weekly Water Discharge Report</b>	<b>Revision:</b>	<b>0</b>
<b>Data Date Range</b>	<b>October 13,2025 to October 19, 2025</b>	<b>Prepared by:</b> <b>Approved by:</b> <b>Date:</b>	<b>SD</b> <b>BC2</b> <b>November 4, 2025</b>

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Valve Status	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
10/17/2025	4:00:00	7	0.382	2.6	691,667	Open	13.6	285
10/17/2025	4:15:00	7	2.275	1.9	691,701	Open	13.5	285
10/17/2025	4:30:00	6.9	2.687	0.3	691,726	Open	13.7	285
10/17/2025	4:45:00	6.9	2.680	0.8	691,762	Open	13.5	287
10/17/2025	5:00:00	6.9	2.631	1	691,799	Open	13.5	287
10/17/2025	5:15:00	6.9	2.146	1.7	691,826	Open	13.5	287
10/17/2025	5:30:00	6.9	2.672	1.6	691,863	Open	13.5	287
10/17/2025	5:45:00	6.9	0.420	0.3	691,885	Open	13.7	288
10/17/2025	6:00:00	6.9	2.154	2.6	691,921	Open	13.5	288
10/17/2025	6:15:00	6.9	2.252	1.1	691,958	Open	13.5	288
10/17/2025	6:30:00	7	0.352	1.1	691,989	Open	13.6	288
10/17/2025	6:45:00	7	2.684	3.4	692,018	Open	13.4	289
10/17/2025	7:00:00	7	2.668	0.8	692,055	Open	13.4	288
10/17/2025	7:15:00	7	2.139	2.4	692,094	Open	13.3	289
10/17/2025	7:30:00	7	2.827	2	692,117	Open	13.5	289
10/17/2025	7:45:00	7	2.820	0.6	692,156	Open	13.2	288
10/17/2025	8:00:00	7	0.379	1	692,186	Open	13.4	287
10/17/2025	8:15:00	6.9	2.411	0	692,219	Open	13.2	285
10/17/2025	8:30:00	6.9	0.375	1.3	692,256	Open	13.1	284
10/17/2025	8:45:00	6.9	2.714	2.3	692,260	Closed	13	279
10/17/2025	9:00:00	6.9	2.816	0.8	692,265	Open	13.3	282
10/17/2025	9:15:00	7	2.286	1.9	692,306	Open	12.9	282
10/17/2025	9:30:00	7	2.820	0.8	692,328	Open	12.9	282
10/17/2025	9:45:00	7	2.801	0.3	692,367	Open	12.8	282
10/17/2025	10:00:00	7	2.294	3	692,405	Open	12.9	282



**Eagle Mountain- Woodfibre Gas Pipeline Project- Tunnel Scope**

<b>Title</b>	<b>WoodFibre Weekly Water Discharge Report</b>	<b>Revision:</b>	<b>0</b>
<b>Data Date Range</b>	<b>October 13,2025 to October 19, 2025</b>	<b>Prepared by:</b> <b>Approved by:</b> <b>Date:</b>	<b>SD</b> <b>BC2</b> <b>November 4, 2025</b>

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Valve Status	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
10/17/2025	10:15:00	7	2.419	0.5	692,427	Open	12.9	282
10/17/2025	10:30:00	7	2.801	0.7	692,468	Open	12.9	282
10/17/2025	10:45:00	7	2.623	0.9	692,481	Closed	13.3	286
10/17/2025	11:00:00	7	2.793	0.5	692,519	Open	13.1	286
10/17/2025	11:15:00	7	2.297	2	692,539	Open	13.4	288
10/17/2025	11:30:00	7	2.797	0.6	692,578	Open	13.2	281
10/17/2025	11:45:00	7	0.598	0	692,607	Closed	13.4	281
10/17/2025	12:00:00	6.9	2.301	3.6	692,640	Open	13.4	283
10/17/2025	12:15:00	6.9	2.419	0.3	692,679	Open	13.4	281
10/17/2025	12:30:00	6.9	2.808	4.2	692,705	Open	13.4	279
10/17/2025	12:45:00	6.9	2.790	0.5	692,743	Open	13.4	279
10/17/2025	13:00:00	6.9	2.816	0.3	692,768	Open	13.6	281
10/17/2025	13:15:00	6.9	2.286	3.3	692,809	Open	13.4	279
10/17/2025	13:30:00	6.9	0.530	0	692,830	Closed	13.7	280
10/17/2025	13:45:00	6.9	2.797	0	692,866	Open	13.5	275
10/17/2025	14:00:00	6.9	0.443	0	692,897	Closed	13.6	275
10/17/2025	14:15:00	6.9	2.400	0	692,926	Open	13.5	275
10/17/2025	14:30:00	6.9	2.805	0	692,936	Open	13.9	278
10/17/2025	14:45:00	6.9	2.771	1.3	692,953	Open	13.9	275
10/17/2025	15:00:00	6.9	2.797	0	692,992	Open	13.4	273
10/17/2025	15:15:00	6.9	2.388	0	693,032	Open	13.4	276
10/17/2025	15:30:00	6.9	2.797	0	693,054	Open	13.4	276
10/17/2025	15:45:00	6.9	2.774	0	693,093	Open	13.4	276
10/17/2025	16:00:00	6.9	0.390	0	693,123	Closed	13.6	278
10/17/2025	16:15:00	6.9	2.415	0	693,158	Open	13.5	278



**Eagle Mountain- Woodfibre Gas Pipeline Project- Tunnel Scope**

<b>Title</b>	<b>WoodFibre Weekly Water Discharge Report</b>	<b>Revision:</b>	<b>0</b>
<b>Data Date Range</b>	<b>October 13,2025 to October 19, 2025</b>	<b>Prepared by:</b> <b>Approved by:</b> <b>Date:</b>	<b>SD</b> <b>BC2</b> <b>November 4, 2025</b>

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Valve Status	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
10/17/2025	16:30:00	6.9	2.759	0	693,198	Open	13.3	276
10/17/2025	16:45:00	6.9	2.797	0.1	693,222	Open	13.3	274
10/17/2025	17:00:00	6.9	2.782	1.1	693,261	Open	13.3	278
10/17/2025	17:15:00	6.9	2.279	0.8	693,301	Open	13.3	281
10/17/2025	17:30:00	6.9	0.379	0.5	693,318	Closed	13.6	279
10/17/2025	17:45:00	6.9	0.291	0.7	693,343	Closed	13.4	281
10/17/2025	18:00:00	6.9	2.290	1.9	693,368	Open	13.2	281
10/17/2025	18:15:00	7	2.415	0.4	693,393	Open	13.1	284
10/17/2025	18:30:00	7	2.782	1.4	693,434	Open	12.9	282
10/17/2025	18:45:00	7	2.816	1.1	693,458	Open	13.1	282
10/17/2025	19:00:00	7	2.797	0.6	693,496	Open	12.8	283
10/17/2025	19:15:00	7	2.282	1	693,537	Open	12.8	283
10/17/2025	19:30:00	7	0.242	1.4	693,569	Closed	12.8	283
10/17/2025	19:45:00	7	2.805	1.1	693,598	Open	12.8	284
10/17/2025	20:00:00	7	2.290	0.9	693,636	Open	12.8	286
10/17/2025	20:15:00	7	2.403	0.5	693,676	Open	12.8	286
10/17/2025	20:30:00	7	2.801	0.5	693,702	Open	12.8	282
10/17/2025	20:45:00	7	2.786	0.5	693,740	Open	12.7	282
10/17/2025	21:00:00	7	2.668	1.5	693,765	Open	12.8	282
10/17/2025	21:15:00	7	1.976	2.4	693,806	Open	12.6	282
10/17/2025	21:30:00	7	2.661	2.8	693,827	Open	12.6	282
10/17/2025	21:45:00	7	0.920	1.8	693,857	Closed	12.6	283
10/17/2025	22:00:00	7	2.347	2.3	693,886	Open	12.6	283
10/17/2025	22:15:00	7	0.984	1.5	693,916	Closed	12.7	285
10/17/2025	22:30:00	7	2.786	1.5	693,940	Open	12.6	288



**Eagle Mountain- Woodfibre Gas Pipeline Project- Tunnel Scope**

<b>Title</b>	<b>WoodFibre Weekly Water Discharge Report</b>	<b>Revision:</b>	<b>0</b>
<b>Data Date Range</b>	<b>October 13,2025 to October 19, 2025</b>	<b>Prepared by:</b> <b>Approved by:</b> <b>Date:</b>	<b>SD</b> <b>BC2</b> <b>November 4, 2025</b>

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Valve Status	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
10/17/2025	22:45:00	7	2.805	2.4	693,960	Open	12.7	288
10/17/2025	23:00:00	7	0.806	1	693,994	Closed	12.8	289
10/17/2025	23:15:00	7	2.286	1.4	694,016	Open	12.8	288
10/17/2025	23:30:00	7	2.786	0.9	694,055	Open	12.8	290
10/17/2025	23:45:00	7	2.782	0.8	694,094	Open	12.8	290
10/18/2025	0:00:00	7	0.696	1.3	694,128	Closed	12.9	290
10/18/2025	0:15:00	7	2.415	2	694,152	Open	12.9	290
10/18/2025	0:30:00	7	0.655	0.6	694,175	Closed	13	289
10/18/2025	0:45:00	7	2.797	1.7	694,201	Open	12.9	288
10/18/2025	1:00:00	7	0.617	0.7	694,231	Closed	12.8	288
10/18/2025	1:15:00	7	2.286	1.5	694,263	Open	12.8	286
10/18/2025	1:30:00	7	0.594	0	694,300	Closed	13.1	285
10/18/2025	1:45:00	6.9	2.805	0	694,324	Open	13.5	284
10/18/2025	2:00:00	6.8	2.286	0.2	694,362	Open	13.9	283
10/18/2025	2:15:00	6.6	2.411	0	694,380	Open	14.3	283
10/18/2025	2:30:00	6.5	2.793	0.1	694,420	Open	14.1	283
10/18/2025	2:45:00	6.3	2.820	0.1	694,445	Open	14.6	280
10/18/2025	3:00:00	6.1	2.801	0	694,484	Open	14.6	279
10/18/2025	3:15:00	5.9	2.294	0.3	694,524	Open	14.7	279
10/18/2025	3:30:00	5.9	0.447	0.2	694,555	Closed	14.6	277
10/18/2025	3:45:00	6.2	2.805	0.4	694,579	Open	14.3	277
10/18/2025	4:00:00	6.4	0.428	1.2	694,613	Closed	14.2	279
10/18/2025	4:15:00	6.4	2.381	0.8	694,640	Open	14.2	278
10/18/2025	4:30:00	6.3	0.413	0	694,671	Open	14.4	277
10/18/2025	4:45:00	6.1	2.767	0.7	694,706	Open	14.4	276



**Eagle Mountain- Woodfibre Gas Pipeline Project- Tunnel Scope**

<b>Title</b>	<b>WoodFibre Weekly Water Discharge Report</b>	<b>Revision:</b>	<b>0</b>
<b>Data Date Range</b>	<b>October 13,2025 to October 19, 2025</b>	<b>Prepared by:</b> <b>Approved by:</b> <b>Date:</b>	<b>SD</b> <b>BC2</b> <b>November 4, 2025</b>

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Valve Status	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
10/18/2025	5:00:00	6.1	2.759	0	694,744	Open	14.3	275
10/18/2025	5:15:00	6.2	2.260	0.9	694,784	Open	14.4	277
10/18/2025	5:30:00	6.2	0.424	0.8	694,807	Open	14.6	277
10/18/2025	5:45:00	6.1	2.763	0.4	694,850	Open	14.2	278
10/18/2025	6:00:00	6.3	2.267	3	694,888	Open	14.5	279
10/18/2025	6:15:00	6.2	2.426	0.7	694,918	Open	15.1	282
10/18/2025	6:30:00	5.9	2.771	0.5	694,958	Open	14.6	279
10/18/2025	6:45:00	5.8	2.763	0.2	694,995	Open	14.7	278
10/18/2025	7:00:00	6.1	2.778	0.6	695,020	Open	14.7	285
10/18/2025	7:15:00	6	2.263	3.2	695,060	Open	14.7	282
10/18/2025	7:30:00	5.8	0.416	0	695,086	Open	15	279
10/18/2025	7:45:00	6.2	2.759	0	695,122	Open	14.1	278
10/18/2025	8:00:00	6.7	2.263	0.6	695,160	Open	13.8	282
10/18/2025	8:15:00	6.8	2.400	0	695,188	Open	13.6	282
10/18/2025	8:30:00	6.8	2.755	0.1	695,228	Open	13.3	283
10/18/2025	8:45:00	6.9	2.778	0.5	695,252	Open	13.7	283
10/18/2025	9:00:00	6.9	2.752	0.1	695,290	Open	13.2	279
10/18/2025	9:15:00	6.9	2.263	0.3	695,313	Open	13.6	281
10/18/2025	9:30:00	6.9	2.199	0.2	695,337	Open	13.3	279
10/18/2025	9:45:00	6.9	1.136	0.7	695,361	Open	12.8	279
10/18/2025	10:00:00	7	2.850	1.2	695,390	Open	12.8	282
10/18/2025	10:15:00	7	2.843	1	695,433	Open	12.9	284
10/18/2025	10:30:00	7	2.347	1.4	695,472	Open	13	282
10/18/2025	10:45:00	7	2.824	1.7	695,510	Open	13.1	286
10/18/2025	11:00:00	7	2.419	1.4	695,551	Open	13.2	286



**Eagle Mountain- Woodfibre Gas Pipeline Project- Tunnel Scope**

<b>Title</b>	<b>WoodFibre Weekly Water Discharge Report</b>	<b>Revision:</b>	<b>0</b>
<b>Data Date Range</b>	<b>October 13,2025 to October 19, 2025</b>	<b>Prepared by:</b> <b>Approved by:</b> <b>Date:</b>	<b>SD</b> <b>BC2</b> <b>November 4, 2025</b>

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Valve Status	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
10/18/2025	11:15:00	7	2.347	2.1	695,579	Open	13.7	286
10/18/2025	11:30:00	6.9	2.831	1.6	695,620	Open	13.6	285
10/18/2025	11:45:00	6.8	0.409	0.9	695,649	Open	14.2	286
10/18/2025	12:00:00	6.7	2.820	0.7	695,680	Open	14.1	286
10/18/2025	12:15:00	6.7	2.839	0.5	695,705	Open	14.2	284
10/18/2025	12:30:00	6.6	2.339	0.1	695,744	Open	14.2	284
10/18/2025	12:45:00	6.6	2.839	1.1	695,772	Open	14.3	284
10/18/2025	13:00:00	6.5	2.430	0.2	695,813	Open	14.4	284
10/18/2025	13:15:00	6.5	2.335	0.3	695,850	Open	14.5	284
10/18/2025	13:30:00	6.5	2.808	1.5	695,892	Open	14.3	283
10/18/2025	13:45:00	6.5	2.812	0.1	695,919	Open	14.5	284
10/18/2025	14:00:00	6.5	2.820	2.2	695,957	Open	14.5	284
10/18/2025	14:15:00	6.4	2.808	1.4	696,000	Open	14.4	284
10/18/2025	14:30:00	6.5	2.089	16.2	696,019	Closed	14.4	283
10/18/2025	14:45:00	6.5	0.095	1.1	696,019	Open	14.3	286
10/18/2025	15:00:00	6.5	2.422	0.9	696,053	Open	14.5	286
10/18/2025	15:15:00	6.5	0.341	2.2	696,087	Open	14.7	288
10/18/2025	15:30:00	6.5	0.416	0.5	696,113	Open	14.5	286
10/18/2025	15:45:00	6.4	2.816	0.7	696,138	Open	14.7	288
10/18/2025	16:00:00	6.5	2.839	0.7	696,166	Open	14.6	288
10/18/2025	16:15:00	6.4	2.831	1.4	696,209	Open	14.3	288
10/18/2025	16:30:00	6.4	0.435	0.2	696,245	Open	14.4	286
10/18/2025	16:45:00	6.9	2.812	0	696,276	Open	15.9	119
10/18/2025	17:00:00	6.7	2.381	0.5	696,316	Open	13.8	282
10/18/2025	17:15:00	6.7	2.297	1	696,340	Open	14.1	287

<b>Title</b>	<b>WoodFibre Weekly Water Discharge Report</b>	<b>Revision:</b>	<b>0</b>
<b>Data Date Range</b>	<b>October 13,2025 to October 19, 2025</b>	<b>Prepared by:</b> <b>Approved by:</b> <b>Date:</b>	<b>SD</b> <b>BC2</b> <b>November 4, 2025</b>

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Valve Status	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
10/18/2025	17:30:00	6.7	2.774	0.2	696,380	Open	13.7	284
10/18/2025	17:45:00	6.7	0.413	0.7	696,416	Open	13.9	284
10/18/2025	18:00:00	6.6	2.790	1.5	696,443	Open	13.8	284
10/18/2025	18:15:00	6.6	2.774	1.4	696,484	Open	13.6	286
10/18/2025	18:30:00	6.7	2.286	1.3	696,509	Open	13.7	289
10/18/2025	18:45:00	6.7	2.774	0.7	696,547	Open	13.3	288
10/18/2025	19:00:00	6.8	0.322	0.7	696,583	Open	13.3	291
10/18/2025	19:15:00	6.9	2.226	3.2	696,585	Closed	13	289
10/18/2025	19:30:00	7	0.647	1.4	696,610	Closed	13	292
10/18/2025	19:45:00	7	2.774	1.5	696,640	Open	13	293
10/18/2025	20:00:00	7	2.801	2.3	696,664	Open	13	288
10/18/2025	20:15:00	6.9	2.782	0.8	696,705	Open	13	284
10/18/2025	20:30:00	6.9	2.275	1.3	696,743	Open	13.2	286
10/18/2025	20:45:00	6.8	2.774	0.7	696,781	Open	13.2	284
10/18/2025	21:00:00	6.8	2.381	1.6	696,821	Open	13.3	282
10/18/2025	21:15:00	6.7	2.294	0.5	696,844	Open	14.1	286
10/18/2025	21:30:00	6.7	2.778	0.2	696,885	Open	13.5	284
10/18/2025	21:45:00	6.7	2.774	0.6	696,924	Open	13.7	284
10/18/2025	22:00:00	6.6	2.778	1	696,961	Open	13.7	284
10/18/2025	22:15:00	6.6	0.503	1	696,985	Closed	13.9	286
10/18/2025	22:30:00	6.5	2.271	0.1	697,020	Open	13.9	283
10/18/2025	22:45:00	6.5	2.706	1.1	697,043	Closed	14.3	283
10/18/2025	23:00:00	6.4	2.411	0.8	697,083	Open	14.1	284
10/18/2025	23:15:00	6.5	2.282	0.1	697,120	Open	14.1	286
10/18/2025	23:30:00	6.5	2.771	0.7	697,160	Open	13.8	286



**Eagle Mountain- Woodfibre Gas Pipeline Project- Tunnel Scope**

<b>Title</b>	<b>WoodFibre Weekly Water Discharge Report</b>	<b>Revision:</b>	<b>0</b>
<b>Data Date Range</b>	<b>October 13,2025 to October 19, 2025</b>	<b>Prepared by:</b> <b>Approved by:</b> <b>Date:</b>	<b>SD</b> <b>BC2</b> <b>November 4, 2025</b>

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Valve Status	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
10/18/2025	23:45:00	6.5	2.778	1.8	697,184	Open	14.1	286
10/19/2025	0:00:00	6.5	0.549	3.6	697,220	Closed	14	284
10/19/2025	0:15:00	6.4	2.790	0	697,248	Open	14	283
10/19/2025	0:30:00	6.4	2.271	0	697,285	Open	14	283
10/19/2025	0:45:00	6.4	2.699	1.6	697,303	Closed	13.7	283
10/19/2025	1:00:00	6.4	0.886	1.8	697,316	Closed	14	283
10/19/2025	1:15:00	6.3	2.282	1.2	697,337	Open	14.3	283
10/19/2025	1:30:00	6.3	2.771	0.2	697,378	Open	14	285
10/19/2025	1:45:00	6.3	2.767	0.3	697,416	Open	14.2	282
10/19/2025	2:00:00	6.2	2.790	1.3	697,430	Open	15.3	286
10/19/2025	2:15:00	6.5	2.767	4.2	697,472	Open	13.7	282
10/19/2025	2:30:00	6.5	2.324	0	697,490	Open	15.1	284
10/19/2025	2:45:00	6.1	2.771	3.1	697,528	Open	14.1	281
10/19/2025	3:00:00	6.2	2.381	0	697,568	Open	14.1	281
10/19/2025	3:15:00	6.4	2.286	0.4	697,588	Open	14.1	284
10/19/2025	3:30:00	6.6	2.771	0.5	697,629	Open	13.6	282
10/19/2025	3:45:00	6.6	0.613	5.9	697,654	Closed	14	284
10/19/2025	4:00:00	6.5	2.778	1.1	697,684	Open	13.7	282
10/19/2025	4:15:00	6.5	2.763	1.3	697,726	Open	13.7	283
10/19/2025	4:30:00	6.5	2.180	0.3	697,746	Closed	14.5	288
10/19/2025	4:45:00	6.4	2.782	1.5	697,784	Open	13.9	283
10/19/2025	5:00:00	6.5	2.377	1.5	697,823	Open	14	286
10/19/2025	5:15:00	6.6	2.286	1	697,845	Open	14.1	286
10/19/2025	5:30:00	6.6	2.767	0.8	697,886	Open	13.6	284
10/19/2025	5:45:00	6.7	0.802	0.7	697,924	Closed	13.5	285



**Eagle Mountain- Woodfibre Gas Pipeline Project- Tunnel Scope**

<b>Title</b>	<b>WoodFibre Weekly Water Discharge Report</b>	<b>Revision:</b>	<b>0</b>
<b>Data Date Range</b>	<b>October 13,2025 to October 19, 2025</b>	<b>Prepared by:</b> <b>Approved by:</b> <b>Date:</b>	<b>SD</b> <b>BC2</b> <b>November 4, 2025</b>

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Valve Status	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
10/19/2025	6:00:00	6.7	2.771	1.2	697,947	Open	13.4	284
10/19/2025	6:15:00	6.7	0.447	0.1	697,983	Closed	13.4	286
10/19/2025	6:30:00	6.7	2.275	0	698,010	Open	13.5	284
10/19/2025	6:45:00	6.5	0.632	0	698,048	Closed	13.7	282
10/19/2025	7:00:00	6.4	2.385	0.7	698,068	Open	13.8	281
10/19/2025	7:15:00	6.5	0.443	2.9	698,095	Closed	13.9	281
10/19/2025	7:30:00	6.7	2.763	0	698,130	Open	13.3	280
10/19/2025	7:45:00	6.7	0.496	0.6	698,167	Closed	13.3	280
10/19/2025	8:00:00	6.8	2.782	1.4	698,189	Open	13.1	280
10/19/2025	8:15:00	6.8	2.759	0	698,231	Open	13	278
10/19/2025	8:30:00	6.8	2.248	0	698,254	Open	13.6	280
10/19/2025	8:45:00	6.8	2.778	0	698,292	Open	13.2	277
10/19/2025	9:00:00	6.7	2.366	0	698,332	Open	13.2	276
10/19/2025	9:15:00	6.7	2.271	2.5	698,368	Open	13.3	279
10/19/2025	9:30:00	6.7	2.752	0	698,409	Open	13.2	276
10/19/2025	9:45:00	6.6	2.755	0	698,430	Open	13.4	278
10/19/2025	10:00:00	6.5	2.778	1.3	698,449	Open	14.2	281
10/19/2025	10:15:00	6.5	2.752	0	698,490	Open	13.4	278
10/19/2025	10:30:00	6.5	2.252	0	698,527	Open	13.6	278
10/19/2025	10:45:00	6.5	2.778	0	698,551	Open	13.8	276
10/19/2025	11:00:00	6.4	2.373	0.3	698,591	Open	13.7	276
10/19/2025	11:15:00	6.4	2.271	0	698,627	Open	13.8	276
10/19/2025	11:30:00	6.3	2.763	0	698,668	Open	13.6	275
10/19/2025	11:45:00	6.3	2.759	0	698,706	Open	13.7	274
10/19/2025	12:00:00	6.3	2.786	0	698,731	Open	13.8	274

<b>Title</b>	<b>WoodFibre Weekly Water Discharge Report</b>	<b>Revision:</b>	<b>0</b>
<b>Data Date Range</b>	<b>October 13,2025 to October 19, 2025</b>	<b>Prepared by:</b> <b>Approved by:</b> <b>Date:</b>	<b>SD</b> <b>BC2</b> <b>November 4, 2025</b>

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Valve Status	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
10/19/2025	12:15:00	6.3	2.415	0	698,773	Open	13.6	273
10/19/2025	12:30:00	6.3	2.260	0	698,810	Open	13.8	274
10/19/2025	12:45:00	6.3	2.763	0	698,832	Open	13.8	276
10/19/2025	13:00:00	6.3	2.369	0	698,855	Open	14.3	274
10/19/2025	13:15:00	6.3	2.271	0	698,892	Open	14.1	273
10/19/2025	13:30:00	6.3	0.314	0.8	698,919	Closed	14.1	273
10/19/2025	13:45:00	6.4	2.774	0	698,954	Open	13.9	276
10/19/2025	14:00:00	6.3	2.771	1.6	698,992	Open	13.9	274
10/19/2025	14:15:00	6.3	2.373	2.8	699,033	Open	13.9	275
10/19/2025	14:30:00	6.3	2.112	1.4	699,070	Open	14.1	273
10/19/2025	14:45:00	6.3	2.782	3.1	699,097	Open	14	275
10/19/2025	15:00:00	6.3	2.369	1.1	699,136	Open	14.2	273
10/19/2025	15:15:00	6.3	2.271	0	699,173	Open	14.2	273
10/19/2025	15:30:00	6.4	2.786	2.6	699,200	Open	14	274
10/19/2025	15:45:00	6.4	2.839	0.7	699,230	Open	13.7	274
10/19/2025	16:00:00	6.5	2.820	2.9	699,268	Open	13.9	274
10/19/2025	16:15:00	6.5	2.430	0.5	699,290	Open	14	274
10/19/2025	16:30:00	6.4	2.279	2.5	699,327	Open	14	273
10/19/2025	16:45:00	6.5	0.250	2.4	699,357	Closed	14	274
10/19/2025	17:00:00	6.5	2.369	3.3	699,392	Open	14	274
10/19/2025	17:15:00	6.4	2.290	1.5	699,428	Open	14.1	273
10/19/2025	17:30:00	6.3	2.771	1.7	699,469	Open	13.9	273
10/19/2025	17:45:00	6.3	2.793	2.4	699,494	Open	14	275
10/19/2025	18:00:00	6.2	0.193	1.9	699,526	Closed	14.1	273
10/19/2025	18:15:00	6.2	2.377	0	699,550	Open	13.8	273

<b>Title</b>	<b>WoodFibre Weekly Water Discharge Report</b>	<b>Revision:</b>	<b>0</b>
<b>Data Date Range</b>	<b>October 13,2025 to October 19, 2025</b>	<b>Prepared by:</b> <b>Approved by:</b> <b>Date:</b>	<b>SD</b> <b>BC2</b> <b>November 4, 2025</b>

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Valve Status	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
10/19/2025	18:30:00	6.3	2.294	3.6	699,587	Open	13.8	274
10/19/2025	18:45:00	6.4	2.778	0.5	699,626	Open	13.5	274
10/19/2025	19:00:00	6.5	2.362	0.5	699,653	Open	14.1	274
10/19/2025	19:15:00	6.7	2.347	0	699,689	Open	13.3	273
10/19/2025	19:30:00	6.8	2.767	0.4	699,731	Open	12.9	274
10/19/2025	19:45:00	6.9	2.755	0.6	699,769	Open	12.8	276
10/19/2025	20:00:00	6.9	2.790	0.5	699,793	Open	12.7	276
10/19/2025	20:15:00	7	2.358	1.2	699,834	Open	12.6	276
10/19/2025	20:30:00	7	0.235	0	699,861	Closed	12.9	278
10/19/2025	20:45:00	6.9	2.752	0	699,894	Open	13.1	279
10/19/2025	21:00:00	6.7	2.350	1.5	699,919	Open	13.6	276
10/19/2025	21:15:00	6.6	0.151	0.6	699,950	Closed	13.9	276
10/19/2025	21:30:00	6.3	2.763	0	699,980	Open	13.8	277
10/19/2025	21:45:00	6.3	2.752	0.6	700,018	Open	13.9	276
10/19/2025	22:00:00	6.5	2.752	0	700,034	Open	13.6	281
10/19/2025	22:15:00	6.6	2.358	0.1	700,061	Open	13.5	281
10/19/2025	22:30:00	6.7	0.201	0.5	700,091	Closed	13.6	282
10/19/2025	22:45:00	6.7	2.755	2.2	700,121	Open	13.4	283
10/19/2025	23:00:00	6.8	2.245	1.9	700,139	Closed	13.3	280
10/19/2025	23:15:00	6.8	2.755	1.3	700,165	Open	13.5	281
10/19/2025	23:30:00	6.8	2.740	0.5	700,207	Open	13.4	282
10/19/2025	23:45:00	6.8	2.744	2.3	700,227	Open	13.5	283



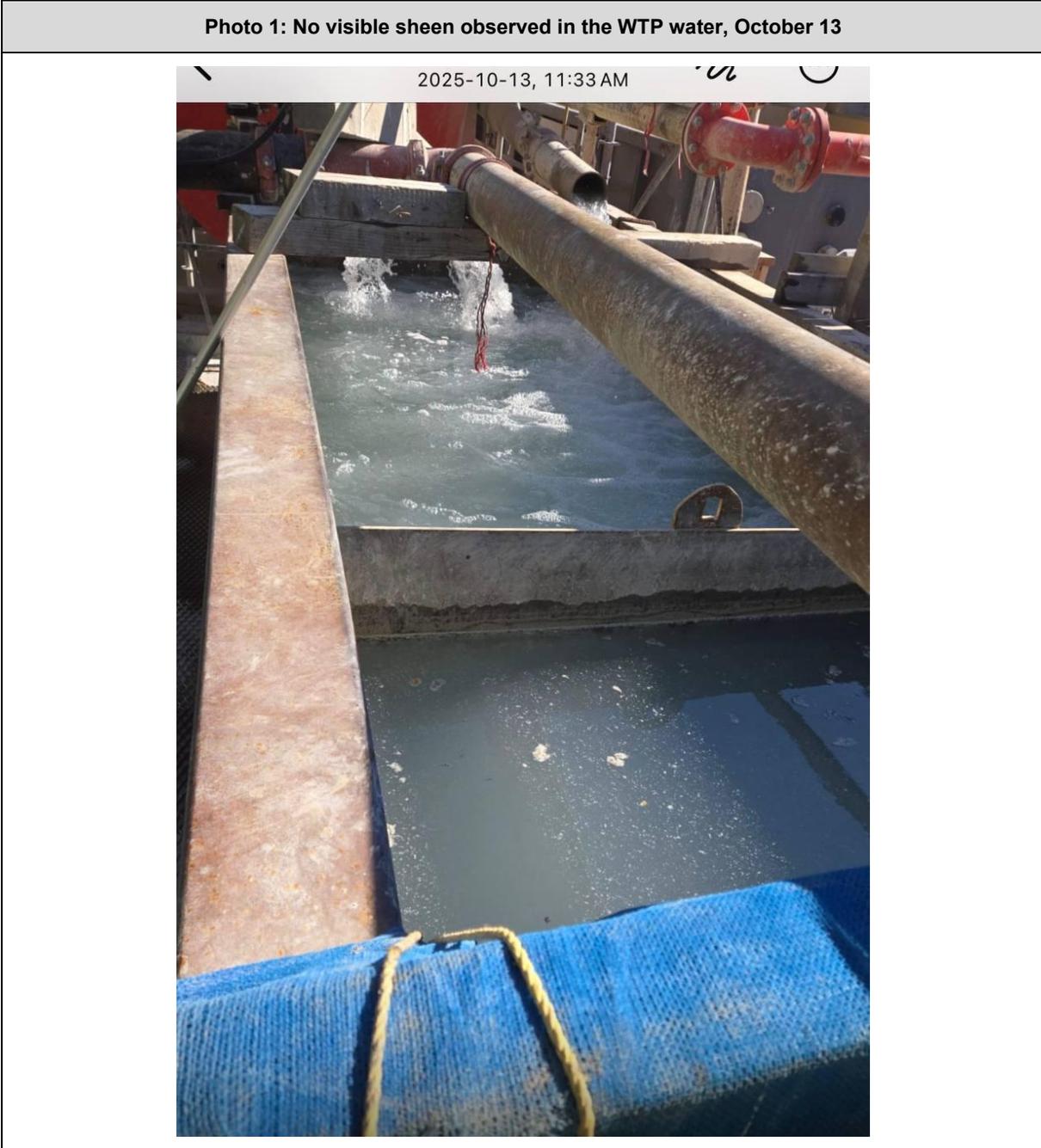
**Eagle Mountain- Woodfibre Gas Pipeline Project- Tunnel Scope**

<b>Title</b>	<b>WoodFibre Weekly Water Discharge Report</b>	<b>Revision:</b>	<b>0</b>
<b>Data Date Range</b>	<b>October 13,2025 to October 19, 2025</b>	<b>Prepared by:</b> <b>Approved by:</b> <b>Date:</b>	<b>SD</b> <b>BC2</b> <b>November 4, 2025</b>

**Appendix B: Photo**

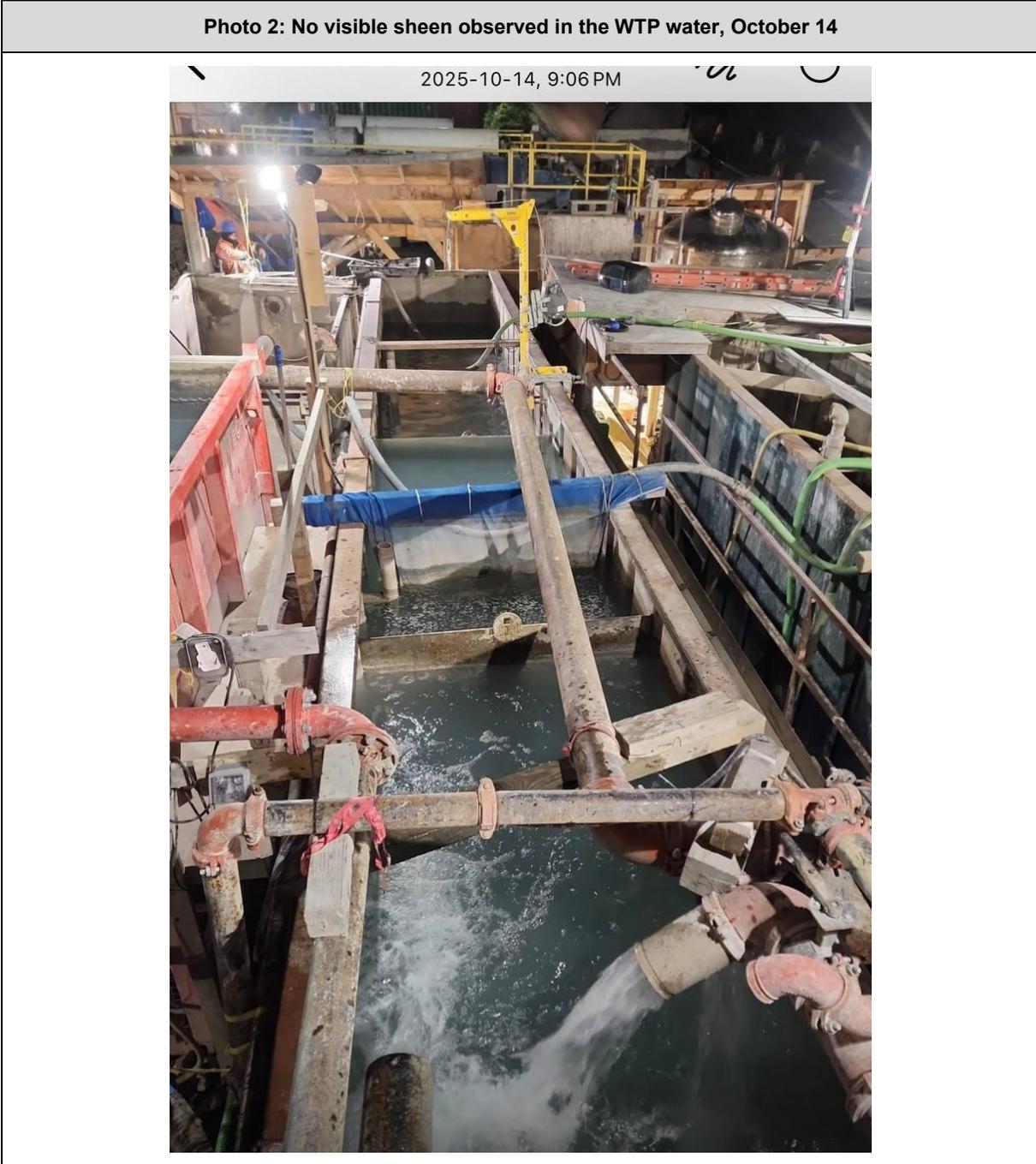
<b>Title</b>	<b>WoodFibre Weekly Water Discharge Report</b>	<b>Revision:</b>	<b>0</b>
<b>Data Date Range</b>	<b>October 13,2025 to October 19, 2025</b>	<b>Prepared by:</b>	<b>SD</b>
		<b>Approved by:</b>	<b>BC2</b>
		<b>Date:</b>	<b>November 4, 2025</b>

**Photo 1: No visible sheen observed in the WTP water, October 13**



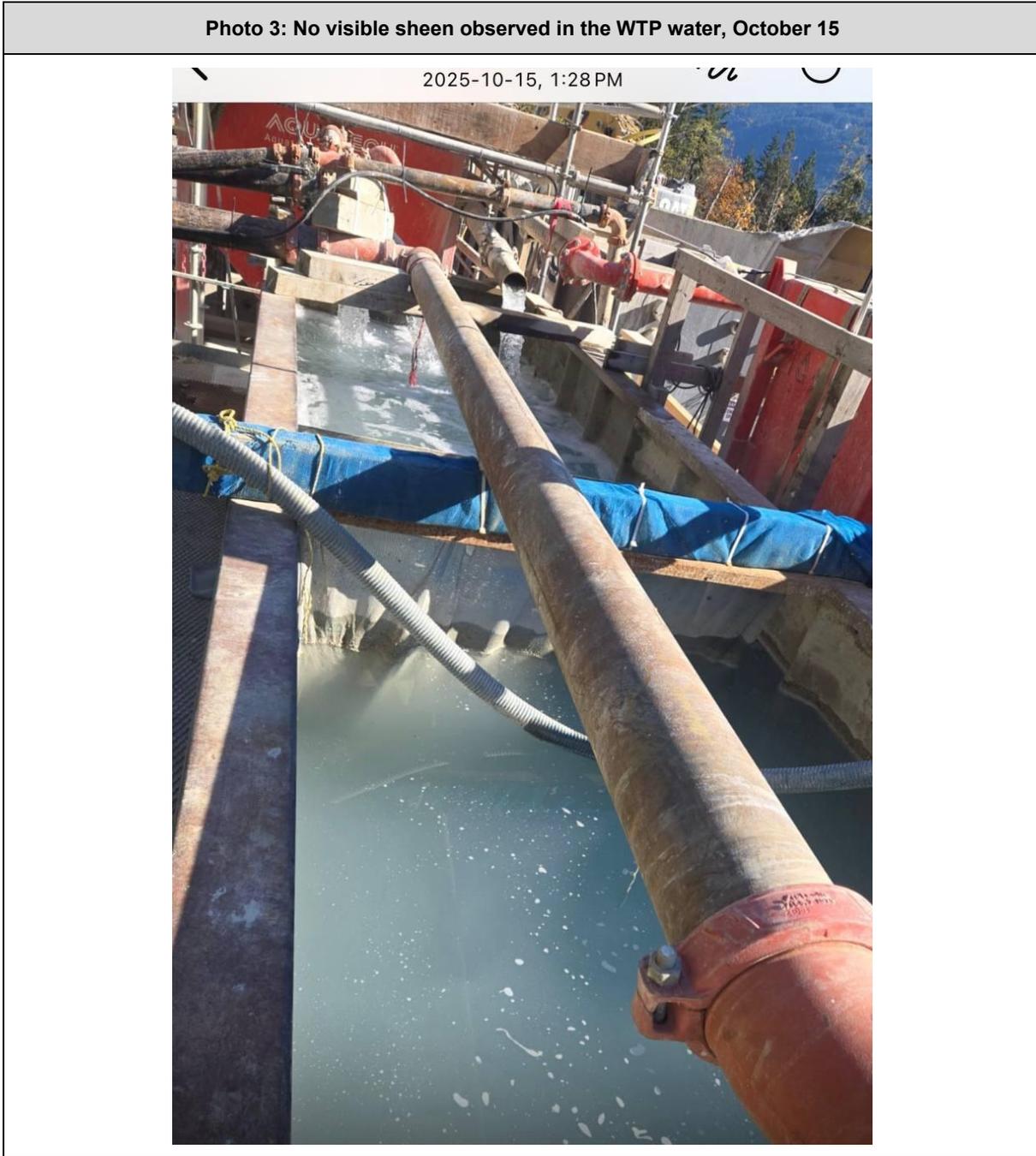
<b>Title</b>	<b>WoodFibre Weekly Water Discharge Report</b>	<b>Revision:</b>	<b>0</b>
<b>Data Date Range</b>	<b>October 13,2025 to October 19, 2025</b>	<b>Prepared by:</b>	<b>SD</b>
		<b>Approved by:</b>	<b>BC2</b>
		<b>Date:</b>	<b>November 4, 2025</b>

**Photo 2: No visible sheen observed in the WTP water, October 14**



<b>Title</b>	<b>WoodFibre Weekly Water Discharge Report</b>	<b>Revision:</b>	<b>0</b>
<b>Data Date Range</b>	<b>October 13,2025 to October 19, 2025</b>	<b>Prepared by:</b>	<b>SD</b>
		<b>Approved by:</b>	<b>BC2</b>
		<b>Date:</b>	<b>November 4, 2025</b>

**Photo 3: No visible sheen observed in the WTP water, October 15**



<b>Title</b>	<b>WoodFibre Weekly Water Discharge Report</b>	<b>Revision:</b>	<b>0</b>
<b>Data Date Range</b>	<b>October 13,2025 to October 19, 2025</b>	<b>Prepared by:</b>	<b>SD</b>
		<b>Approved by:</b>	<b>BC2</b>
		<b>Date:</b>	<b>November 4, 2025</b>

**Photo 4: No visible sheen observed in the WTP water, October 17**



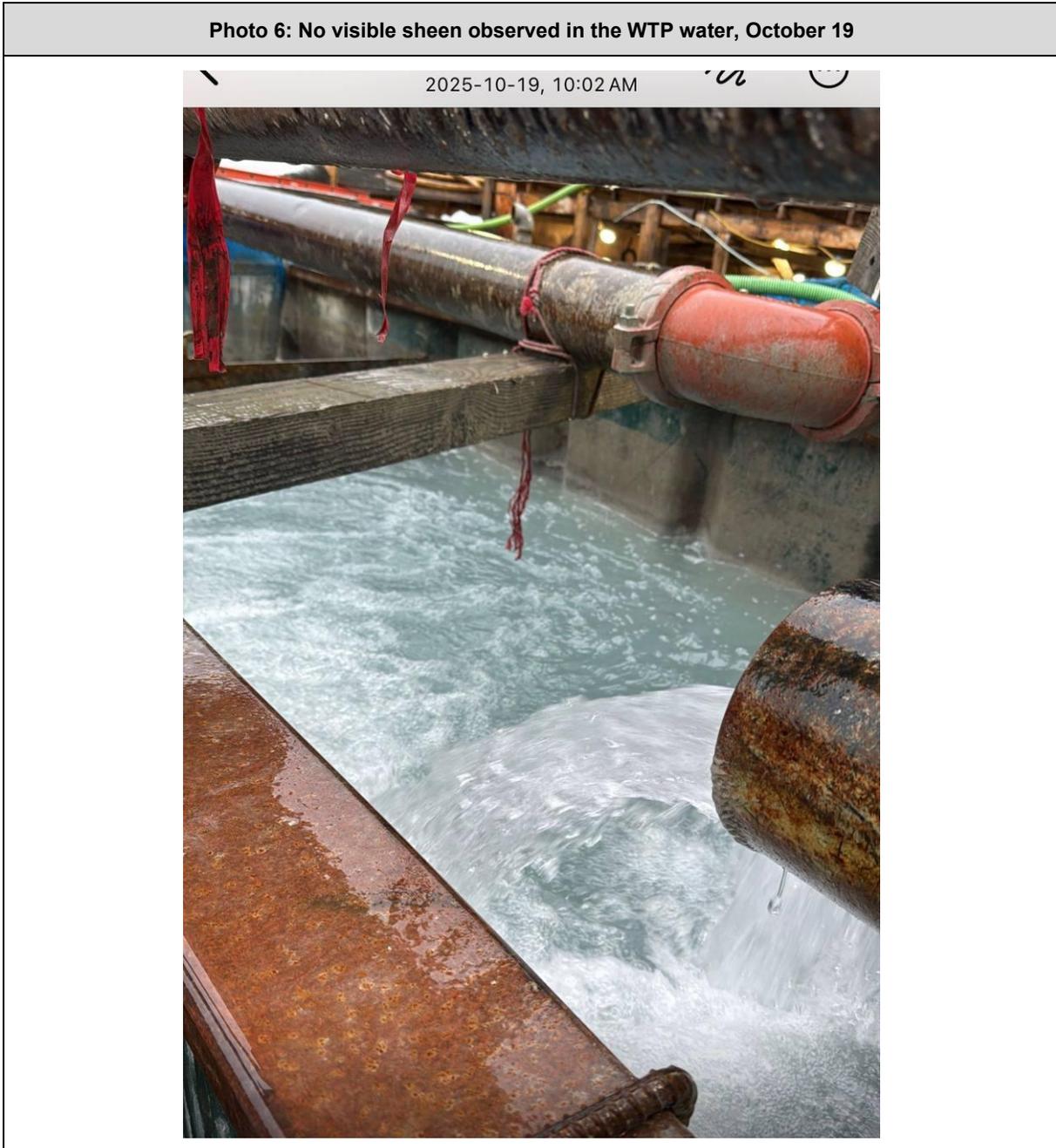
<b>Title</b>	<b>WoodFibre Weekly Water Discharge Report</b>	<b>Revision:</b>	<b>0</b>
<b>Data Date Range</b>	<b>October 13,2025 to October 19, 2025</b>	<b>Prepared by:</b>	<b>SD</b>
		<b>Approved by:</b>	<b>BC2</b>
		<b>Date:</b>	<b>November 4, 2025</b>

**Photo 5: No visible sheen observed in the WTP water, October 18**



<b>Title</b>	<b>WoodFibre Weekly Water Discharge Report</b>	<b>Revision:</b>	<b>0</b>
<b>Data Date Range</b>	<b>October 13,2025 to October 19, 2025</b>	<b>Prepared by:</b>	<b>SD</b>
		<b>Approved by:</b>	<b>BC2</b>
		<b>Date:</b>	<b>November 4, 2025</b>

**Photo 6: No visible sheen observed in the WTP water, October 19**



# Water Quality Field Data Sheet



Hatfield

Project: FORTIS11234

## Location Information

Site ID: WLNG EOP  
Site Name: East Creek  
Crew: HM  
Weather: Clear, 10°C

Date: October 14, 2025  
Time: 10:40

## In Situ Parameters

pH:	<u>6.5</u>	DO:	<u>-*</u> (mg/L)	*YSI DO not accurate.
Temp.:	<u>11.2</u> (°C)	Cond:	<u>195.3</u> (us)	
Turbidity:	<u>3.11</u> NTU	Salinity:	<u>0.09</u> (ppt)	
		ORP:	<u>83.5</u> (mV)	

Visible Sheen: NA

Water Surface Condition: Clear

## Photo Record

Photo



## Observations

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 <b>Eagle Mountain - Woodfibre Gas Pipeline Project Waste Discharge Permit PE-110163 Report</b>	Reporting Week	Oct 13 <sup>th</sup> to Oct 19 <sup>th</sup> , 2025
	Report #	82
	Appendix D	D-1

## Appendix D: Woodfibre Site Receiving Environment Documentation

 <b>Eagle Mountain - Woodfibre Gas Pipeline Project Waste Discharge Permit PE-110163 Report</b>	Reporting Week	Oct 13 <sup>th</sup> to Oct 19 <sup>th</sup> , 2025
	Report #	82
	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 2025-10-14 10:25:00	WLNG DS 2025-10-14 10:59:00
<b>In situ Parameters</b>									
Field pH	pH Units		6.5 - 9			7 - 8.7		7.06	7.23
Field Temperature	°C	18	19					9.1	10.8
<b>General Parameters</b>									
pH	pH Units							6.42	7.16
Alkalinity (Total as CaCO <sub>3</sub> )	mg/L							7.7	42
Alkalinity (PP as CaCO <sub>3</sub> )	mg/L							<1	<1
Hardness (CaCO <sub>3</sub> )-Total	mg/L							15.1	52
Hardness (CaCO <sub>3</sub> )-Dissolved	mg/L							13.9	50.1
Sulphide-Total	mg/L							<0.0018	<0.0018
Sulphide (as H <sub>2</sub> S)	mg/L			0.002				<0.002	<0.002
<b>Anions and Nutrients</b>									
Ammonia (N)-Total	mg/L	1.83	15.9		12	191		<0.015	<0.015
Bicarbonate (HCO <sub>3</sub> )	mg/L							9.5	51
Carbonate (CO <sub>3</sub> )	mg/L							<1	<1
Hydroxide (OH)	mg/L							<1	<1
Nitrate (N)	mg/L	3	32.8		3.7			0.161	<0.02
Nitrite (N)	mg/L	0.02	0.06					<0.005	<0.005
Nitrate plus Nitrite (N)	mg/L							0.161	<0.02
Nitrogen (N)-Total	mg/L							0.246	0.227
Phosphorus (P)-Total (4500-P)	mg/L							0.021	0.0081
Bromide (Br)	mg/L							<0.01	<0.01
Chloride (Cl)	mg/L	150	600					<1	11
Fluoride (F)	mg/L		0.574			1.5		<0.05	0.19
Sulphate (SO <sub>4</sub> )-Dissolved	mg/L	128						8.2	10

<sup>1</sup> Guideline calculated using the in-situ measurements (pH (field), Temperature (field), Turbidity (field), Hardness (as CaCO<sub>3</sub>) – total, Dissolved Organic Carbon (DOC), Total Alkalinity (CaCO<sub>3</sub>), and Chloride).

<sup>2</sup> 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.

<sup>3</sup> **Bold text** denotes value exceeding guidelines, except in cases where they are below a station-specific guideline that isn't displayed as per <sup>1</sup> and <sup>2</sup> 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 2025-10-14 10:25:00	WLNG DS 2025-10-14 10:59:00
<b>Total Metals</b>									
Aluminum (Al)-Total	mg/L	0.068315						<b>0.0778</b>	<b>1.26</b>
Antimony (Sb)-Total	mg/L	0.074	0.25					0.000035	0.000164
Arsenic (As)-Total	mg/L	0.005			0.0125			0.00018	0.00131
Barium (Ba)-Total	mg/L			1				0.00537	0.0102
Beryllium (Be)-Total	mg/L			0.00013			0.1	<0.00001	0.000011
Bismuth (Bi)-Total	mg/L							<0.00001	<0.00001
Boron (B)-Total	mg/L	1.2			1.2			<0.01	0.011
Cadmium (Cd)-Total	mg/L						0.00012	0.0000092	0.0000174
Calcium (Ca)-Total	mg/L							4.45	19.3
Cesium (Cs)-Total	mg/L							<0.00005	0.000059
Chromium (Cr)-Total	mg/L							<0.0001	0.00018
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							0.000074	0.00009
Copper (Cu)-Total	mg/L				0.002	0.003		<b>0.00315</b>	0.0005
Iron (Fe)-Total	mg/L		1					0.0655	0.276
Lead (Pb)-Total	mg/L				0.002	0.14		<0.00002	0.000083
Lithium (Li)-Total	mg/L							<0.0005	0.0029
Magnesium (Mg)-Total	mg/L							0.97	0.93
Manganese (Mn)-Total	mg/L	0.671	0.706				0.1	0.00276	0.0312
Mercury (Hg)-Total	mg/L	0.00002			0.00002			<0.0000019	<0.0000019
Molybdenum (Mo)-Total	mg/L	7.6	46					0.000474	0.0208
Nickel (Ni)-Total	mg/L						0.0083	0.00055	0.00044
Phosphorus (P)-Total (ICPMS)	mg/L							0.0214	0.0107
Potassium (K)-Total	mg/L							0.33	1.04
Rubidium (Rb)-Total	mg/L							0.000517	0.00274
Selenium (Se)-Total	mg/L	0.002			0.002			<0.00004	<0.00004
Silicon (Si)-Total	mg/L							4.56	6.39
Silver (Ag)-Total	mg/L	0.00012			0.0005	0.0037	0.0005	<0.00001	<0.00001
Sodium (Na)-Total	mg/L							2.03	5.19
Strontium (Sr)-Total	mg/L							0.0179	0.0412
Sulphur (S)-Total	mg/L							<3	3.3
Tellurium (Te)-Total	mg/L							<0.00002	<0.00002
Thallium (Tl)-Total	mg/L			0.00003				0.0000028	0.0000096
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	0.0125
Uranium (U)-Total	mg/L		0.0165	0.0075				0.0000819	0.00136
Vanadium (V)-Total	mg/L			0.06			0.005	0.00021	0.00033
Zinc (Zn)-Total	mg/L				0.01	0.055		0.0013	0.0043
Zirconium (Zr)-Total	mg/L							<0.0001	<0.0001

<sup>1</sup> Guideline calculated using the in-situ measurements (pH (field), Temperature (field), Turbidity (field), Hardness (as CaCO<sub>3</sub>) – total, Dissolved Organic Carbon (DOC), Total Alkalinity (CaCO<sub>3</sub>), and Chloride).

<sup>2</sup> 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.

<sup>3</sup> **Bold text** denotes value exceeding guidelines, except in cases where they are below a station-specific guideline that isn't displayed as per <sup>1</sup> and <sup>2</sup> 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 2025-10-14 10:25:00	WLNG DS 2025-10-14 10:59:00
<b>Dissolved Metals</b>									
Aluminum (Al)-Dissolved	mg/L							0.0437	0.0525
Antimony (Sb)-Dissolved	mg/L							0.000034	0.000126
Arsenic (As)-Dissolved	mg/L							0.00015	0.00108
Barium (Ba)-Dissolved	mg/L							0.00477	0.00646
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	0.011
Cadmium (Cd)-Dissolved	mg/L	0.000053	0.000084					0.0000066	0.0000114
Calcium (Ca)-Dissolved	mg/L							4.15	18.6
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						0.0000509	0.0000373
Copper (Cu)-Dissolved	mg/L	0.000381	0.00237					<b>0.00106</b>	0.00011
Iron (Fe)-Dissolved	mg/L		0.35					0.0252	<0.001
Lead (Pb)-Dissolved	mg/L	0.0018						0.000008	<0.000005
Lithium (Li)-Dissolved	mg/L							<0.0005	0.0031
Manganese (Mn)-Dissolved	mg/L							0.00151	0.0259
Magnesium (Mg)-Dissolved	mg/L							0.867	0.893
Mercury (Hg)-Dissolved	mg/L							<0.0000019	<0.0000019
Molybdenum (Mo)-Dissolved	mg/L							0.000461	0.0209
Nickel (Ni)-Dissolved	mg/L	0.0007	0.0117					0.0005	0.000209
Phosphorus (P)-Dissolved	mg/L							0.0157	0.0031
Potassium (K)-Dissolved	mg/L							0.308	0.984
Rubidium (Rb)-Dissolved	mg/L							0.00045	0.00217
Selenium (Se)-Dissolved	mg/L							<0.00004	<0.00004
Silicon (Si)-Dissolved	mg/L							4.16	5.33
Silver (Ag)-Dissolved	mg/L							<0.000005	<0.000005
Sodium (Na)-Dissolved	mg/L							1.9	5.3
Strontium (Sr)-Dissolved	mg/L			1.25				0.0172	0.0401
Sulphur (S)-Dissolved	mg/L							<3	3.3
Tellurium (Te)-Dissolved	mg/L							<0.00002	<0.00002
Thallium (Tl)-Dissolved	mg/L							<0.000002	0.0000064
Thorium (Th)-Dissolved	mg/L							0.0000105	<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							0.000073	0.000648
Vanadium (V)-Dissolved	mg/L							<0.0002	<0.0002
Zinc (Zn)-Dissolved	mg/L	0.004754	0.010304					0.00085	0.00116
Zirconium (Zr)-Dissolved	mg/L							<0.0001	<0.0001

<sup>1</sup> Guideline calculated using the in-situ measurements (pH (field), Temperature (field), Turbidity (field), Hardness (as CaCO<sub>3</sub>) – total, Dissolved Organic Carbon (DOC), Total Alkalinity (CaCO<sub>3</sub>), and Chloride).

<sup>2</sup> 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.

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



<i>Analyte</i>	<i>Unit</i>	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	<b>WLNG US 2025-10-14 10:25:00</b>	<b>WLNG DS 2025-10-14 10:59:00</b>
<b>Inorganics</b>									
Organic Carbon (C)-Total	mg/L							2.6	1.4
Organic Carbon (C)-Dissolved	mg/L							2.7	1
Solids-Total Dissolved	mg/L							72	100
Solids-Total Suspended	mg/L	6.6	26.6					1.6	<b>9.2</b>

<sup>1</sup> Guideline calculated using the in-situ measurements (pH (field), Temperature (field), Turbidity (field), Hardness (as CaCO<sub>3</sub>) – total, Dissolved Organic Carbon (DOC), Total Alkalinity (CaCO<sub>3</sub>), and Chloride).

<sup>2</sup> 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.

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

 <b>Eagle Mountain - Woodfibre Gas Pipeline Project Waste Discharge Permit PE-110163 Report</b>	Reporting Week	Oct 13 <sup>th</sup> to Oct 19 <sup>th</sup> , 2025
	Report #	82
	Appendix D	D-3

## Woodfibre Site Receiving Environment Field Notes and Logs

# Water Quality Field Data Sheet



Project: FORTIS11234

## Location Information

Site ID: WLNG (EAS) DS Date: October 14, 2025  
Site Name: East Creek Time: 10:59  
Site UTM: Zone: E: \_\_\_\_\_ Crew: HM  
(NAD83) N: \_\_\_\_\_ Weather: Clear

## In Situ Parameters

pH: 7.23 DO: -\* (mg/L) \*YSI DO not accurate.  
Temp.: 10.8 (°C) Cond: 175.3 (us)  
Turbidity: 4.93 NTU Salinity: 0.08 (ppt)  
Visible Sheen: N ORP: 40.4 (mV)  
Water Surface Condition: Clear

## Photo Record

Photo



## Observations

Sediment buildup on stream bed.

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# Water Quality Field Data Sheet



Project: FORTIS11234

## Location Information

Site ID: WLNG (EAS) US Date: October 14, 2025  
Site Name: East Creek Time: 10:25  
Site UTM: Zone: E: \_\_\_\_\_ Crew: HM  
(NAD83) N: \_\_\_\_\_ Weather: Clear

## In Situ Parameters

pH: 7.06 DO: -\* (mg/L) \*YSI DO not accurate.  
Temp.: 9.1 (°C) Cond: 74.4 (us)  
Turbidity: 1.01 NTU Salinity: 0.04 (ppt)  
Visible Sheen: N ORP: 35.6 (mV)  
Water Surface Condition: Clear

## Photo Record

Photo



## Observations

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**Woodfibre LNG (East Creek)**

Station	Date/Time	Temperature (C)	Specific Conductivity (µS/cm)	ORP (V)	pH (pH units)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	Salinity (PSU)
EAS-DS	2025-10-13 00:00:00	10.799	116.767	0.307	7.716	10.612	143.058	0.054
EAS-DS	2025-10-13 01:00:00	10.858	127.882	0.308	7.724	10.636	151.535	0.060
EAS-DS	2025-10-13 02:00:00	10.938	133.463	0.308	7.738	10.620	170.099	0.063
EAS-DS	2025-10-13 03:00:00	10.783	120.020	0.307	7.746	10.649	178.196	0.056
EAS-DS	2025-10-13 04:00:00	10.107	57.426	0.308	7.446	10.820	174.464	0.026
EAS-DS	2025-10-13 05:00:00	10.799	131.026	0.306	7.726	10.678	167.874	0.061
EAS-DS	2025-10-13 06:00:00	10.888	137.181	0.304	7.752	10.652	188.420	0.064
EAS-DS	2025-10-13 07:00:00	10.810	129.759	0.304	7.755	10.675	177.386	0.061
EAS-DS	2025-10-13 08:00:00	10.812	138.122	0.304	7.752	10.676	221.980	0.065
EAS-DS	2025-10-13 09:00:00	10.360	107.372	0.301	7.707	10.783	221.565	0.050
EAS-DS	2025-10-13 10:00:00	10.963	138.958	0.281	7.768	10.643	17.014	0.065
EAS-DS	2025-10-13 11:00:00	11.146	137.117	0.298	7.794	10.589	22.073	0.064
EAS-DS	2025-10-13 12:00:00	11.343	141.987	0.305	7.806	10.584	16.679	0.067
EAS-DS	2025-10-13 13:00:00	10.894	64.479	0.304	7.581	10.653	13.542	0.029
EAS-DS	2025-10-13 14:00:00	11.527	135.344	0.307	7.807	10.506	17.851	0.063
EAS-DS	2025-10-13 15:00:00	11.689	140.782	0.313	7.793	10.464	18.119	0.066
EAS-DS	2025-10-13 16:00:00	11.792	145.465	0.309	7.825	10.453	20.369	0.068
EAS-DS	2025-10-13 17:00:00	11.704	144.440	0.309	7.815	10.451	22.295	0.068
EAS-DS	2025-10-13 18:00:00	11.624	150.453	0.308	7.816	10.449	19.372	0.071
EAS-DS	2025-10-13 19:00:00	11.464	148.925	0.310	7.802	10.511	21.213	0.070
EAS-DS	2025-10-13 20:00:00	11.289	149.452	0.311	7.794	10.557	16.728	0.070
EAS-DS	2025-10-13 21:00:00	11.155	149.117	0.312	7.793	10.603	18.203	0.070
EAS-DS	2025-10-13 22:00:00	11.313	154.011	0.311	7.816	10.551	17.485	0.072
EAS-DS	2025-10-13 23:00:00	10.728	120.081	0.312	7.720	10.699	32.627	0.056
EAS-DS	2025-10-14 00:00:00	11.159	151.291	0.312	7.804	10.586	20.289	0.071
EAS-DS	2025-10-14 01:00:00	10.997	143.749	0.316	7.789	10.635	22.611	0.067
EAS-DS	2025-10-14 02:00:00	11.003	146.332	0.318	7.796	10.647	20.563	0.069
EAS-DS	2025-10-14 03:00:00	10.956	145.822	0.319	7.796	10.655	23.117	0.068
EAS-DS	2025-10-14 04:00:00	10.861	144.163	0.319	7.785	10.684	18.001	0.068
EAS-DS	2025-10-14 05:00:00	10.789	145.023	0.321	7.784	10.697	17.984	0.068
EAS-DS	2025-10-14 06:00:00	10.738	147.328	0.321	7.779	10.723	16.359	0.069
EAS-DS	2025-10-14 07:00:00	10.694	144.032	0.321	7.781	10.733	22.330	0.068
EAS-DS	2025-10-14 08:00:00	10.598	145.842	0.326	7.747	10.736	16.016	0.068
EAS-DS	2025-10-14 09:00:00	10.457	142.537	0.325	7.760	10.789	25.543	0.067
EAS-DS	2025-10-14 10:00:00	10.633	145.192	0.321	7.743	10.738	18.432	0.068
EAS-DS	2025-10-14 11:00:00	10.895	142.690	0.324	7.752	10.690	32.464	0.067
EAS-DS	2025-10-14 12:00:00	11.095	143.817	0.317	7.766	10.722	42.320	0.068
EAS-DS	2025-10-14 13:00:00		134.945					0.063
EAS-DS	2025-10-14 14:00:00	11.380	145.791	0.312	7.768	10.573	188.991	0.069
EAS-DS	2025-10-14 15:00:00	11.386	143.991	0.309	7.778	10.559	232.849	0.068
EAS-DS	2025-10-14 16:00:00	11.243	128.137	0.307	7.800	10.565	242.846	0.060
EAS-DS	2025-10-14 17:00:00	11.245	144.072	0.306	7.779	10.596	304.050	0.068
EAS-DS	2025-10-14 18:00:00	11.132	147.966	0.309	7.773	10.643	397.575	0.070
EAS-DS	2025-10-14 19:00:00	10.995	143.983	0.308	7.764	10.662	315.209	0.068
EAS-DS	2025-10-14 20:00:00	10.931	145.830	0.310	7.757	10.689	485.082	0.068
EAS-DS	2025-10-14 21:00:00	10.729	128.999	0.311	7.760	10.710	366.915	0.060
EAS-DS	2025-10-14 22:00:00	10.871	153.435	0.306	7.860	10.721	196.436	0.072
EAS-DS	2025-10-14 23:00:00	10.952	153.776	0.310	7.850	10.735	174.125	0.072
EAS-DS	2025-10-15 00:00:00	10.991	150.751	0.313	7.848	10.705	170.710	0.071
EAS-DS	2025-10-15 01:00:00	11.049	154.347	0.315	7.846	10.712	171.659	0.073
EAS-DS	2025-10-15 02:00:00	11.083	152.086	0.318	7.847	10.699	175.239	0.072

**Woodfibre LNG (East Creek)**

Station	Date/Time	Temperature (C)	Specific Conductivity (µS/cm)	ORP (V)	pH (pH units)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	Salinity (PSU)
EAS-DS	2025-10-15 03:00:00	11.172	156.702	0.314	7.860	10.663	166.444	0.074
EAS-DS	2025-10-15 04:00:00	11.099	155.369	0.316	7.873	10.671	170.553	0.073
EAS-DS	2025-10-15 05:00:00	11.156	163.508	0.321	7.873	10.654	173.353	0.077
EAS-DS	2025-10-15 06:00:00	11.059	157.854	0.319	7.874	10.658	168.717	0.074
EAS-DS	2025-10-15 07:00:00	11.081	164.165	0.321	7.905	10.659	169.197	0.077
EAS-DS	2025-10-15 08:00:00	10.993	155.819	0.324	7.883	10.699	196.325	0.073
EAS-DS	2025-10-15 09:00:00	10.895	154.681	0.324	7.849	10.712	169.381	0.073
EAS-DS	2025-10-15 10:00:00	11.076	160.350	0.322	7.871	10.674	176.062	0.075
EAS-DS	2025-10-15 11:00:00	11.310	163.021	0.320	7.883	10.609	193.719	0.077
EAS-DS	2025-10-15 12:00:00	11.586	152.681	0.290	7.839	10.630	38.327	0.072
EAS-DS	2025-10-15 13:00:00	11.719	153.297	0.311	7.818	10.582	673.171	0.072
EAS-DS	2025-10-15 14:00:00	11.828	151.787	0.313	7.848	10.571	65.186	0.071
EAS-DS	2025-10-15 15:00:00	11.821	157.519	0.317	7.852	10.582	174.701	0.074
EAS-DS	2025-10-15 16:00:00	11.819	150.877	0.317	7.841	10.591	138.140	0.071
EAS-DS	2025-10-15 17:00:00	11.575	153.643	0.322	7.831	10.634	182.548	0.072
EAS-DS	2025-10-15 18:00:00	11.232	130.482	0.322	7.830	10.643	81.566	0.061
EAS-DS	2025-10-15 19:00:00	11.222	148.440	0.325	7.827	10.718	87.194	0.070
EAS-DS	2025-10-15 20:00:00	10.661	85.542	0.324	7.703	10.761	232.361	0.039
EAS-DS	2025-10-15 21:00:00	11.044	147.397	0.328	7.815	10.783	310.207	0.069
EAS-DS	2025-10-15 22:00:00	11.077	149.241	0.329	7.828	10.779	664.663	0.070
EAS-DS	2025-10-15 23:00:00	11.098	150.707	0.331	7.822	10.765	43.876	0.071
EAS-DS	2025-10-16 00:00:00	10.990	148.116	0.333	7.813	10.803	77.805	0.070
EAS-DS	2025-10-16 01:00:00	10.999	150.020	0.333	7.807	10.787	555.486	0.070
EAS-DS	2025-10-16 02:00:00	10.999	149.728	0.334	7.803	10.788	276.487	0.070
EAS-DS	2025-10-16 03:00:00	10.889	146.391	0.336	7.799	10.824	205.283	0.069
EAS-DS	2025-10-16 04:00:00	10.791	147.006	0.336	7.798	10.821	107.688	0.069
EAS-DS	2025-10-16 05:00:00	10.179	86.227	0.333	7.701	10.865	337.183	0.040
EAS-DS	2025-10-16 06:00:00	10.806	154.641	0.334	7.816	10.832	262.063	0.073
EAS-DS	2025-10-16 07:00:00	10.894	157.418	0.334	7.837	10.796	116.414	0.074
EAS-DS	2025-10-16 08:00:00	10.907	152.604	0.332	7.820	10.779	333.186	0.072
EAS-DS	2025-10-16 09:00:00	10.335	122.347	0.336	7.727	10.928	92.749	0.057
EAS-DS	2025-10-16 10:00:00	11.080	158.017	0.331	7.834	10.732	140.324	0.074
EAS-DS	2025-10-16 11:00:00	11.198	157.126	0.320	7.813	10.745	46.054	0.074
EAS-DS	2025-10-16 12:00:00	11.330	154.879	0.323	7.857	10.634	78.669	0.073
EAS-DS	2025-10-16 13:00:00	11.508	162.720	0.326	7.835	10.648	409.235	0.077
EAS-DS	2025-10-16 14:00:00	11.262	118.489	0.327	7.830	10.588	63.471	0.055
EAS-DS	2025-10-16 15:00:00	11.683	159.705	0.328	7.858	10.547	100.188	0.075
EAS-DS	2025-10-16 16:00:00	11.666	161.284	0.329	7.841	10.552	142.470	0.076
EAS-DS	2025-10-16 17:00:00	11.381	132.358	0.329	7.825	10.540	101.863	0.062
EAS-DS	2025-10-16 18:00:00	11.578	163.582	0.329	7.827	10.586	91.378	0.077
EAS-DS	2025-10-16 19:00:00	11.638	165.424	0.326	7.840	10.558	88.920	0.078
EAS-DS	2025-10-16 20:00:00	11.475	156.747	0.327	7.818	10.601	38.321	0.074
EAS-DS	2025-10-16 21:00:00		156.602					0.074
EAS-DS	2025-10-16 22:00:00	10.701	66.505	0.330	7.667	10.633	172.950	0.030
EAS-DS	2025-10-16 23:00:00	11.616	162.552	0.328	7.839	10.554	92.384	0.077
EAS-DS	2025-10-17 00:00:00	11.686	161.377	0.329	7.840	10.538	47.502	0.076
EAS-DS	2025-10-17 01:00:00	11.753	161.331	0.331	7.845	10.526	55.459	0.076
EAS-DS	2025-10-17 02:00:00	11.405	116.852	0.330	7.827	10.442	43.054	0.055
EAS-DS	2025-10-17 03:00:00	11.666	148.238	0.332	7.856	10.437	63.122	0.070
EAS-DS	2025-10-17 04:00:00	11.815	157.815	0.329	7.847	10.492	32.515	0.074
EAS-DS	2025-10-17 05:00:00	11.806	159.067	0.331	7.844	10.475	46.807	0.075

**Woodfibre LNG (East Creek)**

Station	Date/Time	Temperature (C)	Specific Conductivity (µS/cm)	ORP (V)	pH (pH units)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	Salinity (PSU)
EAS-DS	2025-10-17 06:00:00	11.852	161.787	0.333	7.854	10.469	30.389	0.076
EAS-DS	2025-10-17 07:00:00	11.892	163.533	0.331	7.866	10.450	28.105	0.077
EAS-DS	2025-10-17 08:00:00	11.779	159.979	0.333	7.840	10.467	24.053	0.075
EAS-DS	2025-10-17 09:00:00	10.720	53.313	0.339	7.569	10.558	13.460	0.024
EAS-DS	2025-10-17 10:00:00	11.719	157.928	0.332	7.843	10.511	26.558	0.074
EAS-DS	2025-10-17 11:00:00	11.906	159.925	0.335	7.849	10.460	22.572	0.075
EAS-DS	2025-10-17 12:00:00	12.065	154.791	0.335	7.840	10.440	21.383	0.073
EAS-DS	2025-10-17 13:00:00	12.093	151.770	0.337	7.853	10.414	16.733	0.071
EAS-DS	2025-10-17 14:00:00	12.070	150.946	0.335	7.844	10.436	17.135	0.071
EAS-DS	2025-10-17 15:00:00	12.015	150.062	0.341	7.838	10.441	16.198	0.071
EAS-DS	2025-10-17 16:00:00	12.094	152.064	0.342	7.847	10.407	18.299	0.072
EAS-DS	2025-10-17 17:00:00	11.855	155.475	0.343	7.843	10.487	21.422	0.073
EAS-DS	2025-10-17 18:00:00	11.782	158.564	0.345	7.844	10.472	21.712	0.075
EAS-DS	2025-10-17 19:00:00	11.745	158.412	0.343	7.854	10.509	19.925	0.075
EAS-DS	2025-10-17 20:00:00	11.710	160.947	0.342	7.860	10.528	20.133	0.076
EAS-DS	2025-10-17 21:00:00	11.523	157.568	0.345	7.853	10.566	19.000	0.074
EAS-DS	2025-10-17 22:00:00	10.521	47.771	0.353	7.496	10.565	10.625	0.021
EAS-DS	2025-10-17 23:00:00	11.552	161.749	0.348	7.843	10.581	17.265	0.076
EAS-DS	2025-10-18 00:00:00	11.582	161.291	0.346	7.842	10.559	17.150	0.076
EAS-DS	2025-10-18 01:00:00	11.559	162.323	0.346	7.840	10.589	15.715	0.076
EAS-DS	2025-10-18 02:00:00	11.564	160.594	0.346	7.834	10.576	20.056	0.076
EAS-DS	2025-10-18 03:00:00	11.529	158.591	0.346	7.827	10.578	15.289	0.075
EAS-DS	2025-10-18 04:00:00	11.424	154.738	0.346	7.830	10.597	18.161	0.073
EAS-DS	2025-10-18 05:00:00	11.392	155.128	0.346	7.844	10.613	13.084	0.073
EAS-DS	2025-10-18 06:00:00	11.433	160.284	0.346	7.843	10.586	19.434	0.075
EAS-DS	2025-10-18 07:00:00	11.368	159.302	0.349	7.827	10.569	25.886	0.075
EAS-DS	2025-10-18 08:00:00	11.342	153.179	0.349	7.798	10.571	38.003	0.072
EAS-DS	2025-10-18 09:00:00	11.286	152.340	0.351	7.805	10.591	44.901	0.072
EAS-DS	2025-10-18 10:00:00	11.203	144.550	0.352	7.831	10.570	77.942	0.068
EAS-DS	2025-10-18 11:00:00	11.596	154.201	0.350	7.828	10.525	151.945	0.073
EAS-DS	2025-10-18 12:00:00	11.604	157.755	0.351	7.826	10.484	32.927	0.074
EAS-DS	2025-10-18 13:00:00	11.597	154.787	0.350	7.833	10.505	55.355	0.073
EAS-DS	2025-10-18 14:00:00	11.501	156.496	0.352	7.837	10.491	175.938	0.074
EAS-DS	2025-10-18 15:00:00	11.444	161.277	0.352	7.828	10.512	128.259	0.076
EAS-DS	2025-10-18 16:00:00	10.778	139.998	0.352	7.766	10.619	93.387	0.066
EAS-DS	2025-10-18 17:00:00	11.160	146.208	0.355	7.799	10.550	18.261	0.069
EAS-DS	2025-10-18 18:00:00	10.790	149.246	0.356	7.765	10.616	11.909	0.070
EAS-DS	2025-10-18 19:00:00	10.787	142.826	0.355	7.809	10.624	10.553	0.067
EAS-DS	2025-10-18 20:00:00	9.858	207.382	0.356	7.786	10.780	159.164	0.098
EAS-DS	2025-10-18 21:00:00	10.450	176.210	0.357	7.803	10.689	11.431	0.083
EAS-DS	2025-10-18 22:00:00	10.288	201.021	0.359	7.782	10.736	40.848	0.095
EAS-DS	2025-10-18 23:00:00	10.329	203.626	0.361	7.770	10.712	58.229	0.096
EAS-DS	2025-10-19 00:00:00	10.270	192.800	0.364	7.708	10.720	76.124	0.091
EAS-DS	2025-10-19 01:00:00	10.281	135.744	0.366	7.657	10.717	10.818	0.064
EAS-DS	2025-10-19 02:00:00	9.898	56.917	0.371	7.447	10.810	10.776	0.026
EAS-DS	2025-10-19 03:00:00	10.433	100.220	0.370	7.569	10.670	10.465	0.047
EAS-DS	2025-10-19 04:00:00	10.372	89.168	0.372	7.537	10.691	10.525	0.041
EAS-DS	2025-10-19 05:00:00	10.356	5.575	0.365	7.555	10.707	10.852	0.001
EAS-DS	2025-10-19 06:00:00	10.342	143.134	0.369	7.517	10.712	48.307	0.067
EAS-DS	2025-10-19 07:00:00	10.304	138.367	0.367	7.508	10.724	26.062	0.065
EAS-DS	2025-10-19 08:00:00	10.223	25.808	0.348	7.505	10.699	225.322	0.011

**Woodfibre LNG (East Creek)**

Station	Date/Time	Temperature (C)	Specific Conductivity (µS/cm)	ORP (V)	pH (pH units)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	Salinity (PSU)
EAS-DS	2025-10-19 09:00:00	10.274	10.337	0.330	7.491	10.680	43.244	0.003
EAS-DS	2025-10-19 10:00:00	10.090	0.077	0.339	7.369	10.744	18.765	0.000
EAS-DS	2025-10-19 11:00:00	10.261	0.076	0.351	7.591	10.709	10.524	0.000
EAS-DS	2025-10-19 12:00:00	10.336	100.163	0.353	7.318	10.737	17.059	0.046
EAS-DS	2025-10-19 13:00:00	10.521	73.714	0.358	7.235	10.709	18.507	0.034
EAS-DS	2025-10-19 14:00:00	10.899	65.435	0.360	7.382	10.623	26.525	0.030
EAS-DS	2025-10-19 15:00:00	11.043	60.186	0.364	7.388	10.592	17.363	0.027
EAS-DS	2025-10-19 16:00:00	11.127	68.906	0.367	7.381	10.576	16.015	0.031
EAS-DS	2025-10-19 17:00:00	11.092	65.218	0.364	7.395	10.592	18.721	0.030
EAS-DS	2025-10-19 18:00:00	11.055	64.578	0.366	7.400	10.607	22.941	0.029
EAS-DS	2025-10-19 19:00:00	10.829	47.082	0.367	7.305	10.637	13.911	0.021
EAS-DS	2025-10-19 20:00:00	10.657	42.730	0.375	7.098	10.745	21.041	0.019
EAS-DS	2025-10-19 21:00:00	10.730	70.549	0.375	7.234	10.739	17.858	0.032
EAS-DS	2025-10-19 22:00:00	10.471	38.593	0.368	7.079	10.782	13.905	0.017
EAS-DS	2025-10-19 23:00:00	10.470	41.743	0.355	7.204	10.789	17.011	0.018
EAS-US	2025-10-13 00:00:00	10.574	108.336	0.284	7.014	0.965	1.285	0.050
EAS-US	2025-10-13 01:00:00	10.488	106.387	0.262	6.978	0.387	0.540	0.049
EAS-US	2025-10-13 02:00:00	10.417	104.520	0.244	7.002	0.290	0.854	0.049
EAS-US	2025-10-13 03:00:00	10.345	105.564	0.214	6.973	0.404	1.954	0.049
EAS-US	2025-10-13 04:00:00	10.260	102.993	0.200	6.997	0.282	0.663	0.048
EAS-US	2025-10-13 05:00:00	10.173	104.209	0.194	6.955	0.549	0.000	0.048
EAS-US	2025-10-13 06:00:00	10.089	102.994	0.189	6.991	0.104	0.687	0.048
EAS-US	2025-10-13 07:00:00	9.985	101.565	0.187	6.935	1.216	0.000	0.047
EAS-US	2025-10-13 08:00:00	9.854	96.145	0.190	6.969	0.866	0.278	0.044
EAS-US	2025-10-13 09:00:00	9.766	98.283	0.190	6.920	0.892	0.000	0.046
EAS-US	2025-10-13 10:00:00	9.881	95.701	0.185	6.972	0.511	0.000	0.044
EAS-US	2025-10-13 11:00:00	10.018	97.229	0.186	6.946	0.488	0.059	0.045
EAS-US	2025-10-13 12:00:00	10.154	103.045	0.176	6.895	0.303	0.434	0.048
EAS-US	2025-10-13 13:00:00	10.351	101.459	0.161	6.861	0.015	0.071	0.047
EAS-US	2025-10-13 14:00:00	10.605	99.691	0.160	6.928	0.687	0.865	0.046
EAS-US	2025-10-13 15:00:00	10.715	97.600	0.163	6.869	0.018	0.000	0.045
EAS-US	2025-10-13 16:00:00	10.820	91.968	0.167	6.917	0.636	0.502	0.043
EAS-US	2025-10-13 17:00:00	10.804	88.968	0.166	6.873	0.046	0.000	0.041
EAS-US	2025-10-13 18:00:00	10.654	87.094	0.166	6.906	0.364	0.277	0.040
EAS-US	2025-10-13 19:00:00	10.494	85.144	0.169	6.854	0.059	0.000	0.039
EAS-US	2025-10-13 20:00:00	10.343	83.084	0.173	6.913	0.438	0.716	0.038
EAS-US	2025-10-13 21:00:00	10.181	82.269	0.172	6.892	0.089	0.000	0.038
EAS-US	2025-10-13 22:00:00	10.044	83.299	0.169	6.926	1.316	0.228	0.038
EAS-US	2025-10-13 23:00:00	9.904	82.521	0.168	6.886	0.014	0.000	0.038
EAS-US	2025-10-14 00:00:00	9.782	83.130	0.171	6.960	0.805	0.162	0.038
EAS-US	2025-10-14 01:00:00	9.683	85.932	0.175	6.912	0.000	0.000	0.040
EAS-US	2025-10-14 02:00:00	9.589	82.525	0.171	6.948	0.723	0.035	0.038
EAS-US	2025-10-14 03:00:00	9.475	86.376	0.170	6.900	0.000	0.000	0.040
EAS-US	2025-10-14 04:00:00	9.380	86.518	0.132	6.954	0.246	0.000	0.040
EAS-US	2025-10-14 05:00:00	9.278	88.844	0.176	6.888	0.000	0.000	0.041
EAS-US	2025-10-14 06:00:00	9.193	82.011	0.183	6.921	1.139	0.042	0.038
EAS-US	2025-10-14 07:00:00	9.096	81.957	0.180	6.899	0.000	0.000	0.038
EAS-US	2025-10-14 08:00:00	9.007	78.459	0.176	6.944	0.841	0.000	0.036
EAS-US	2025-10-14 09:00:00	8.978	79.595	0.176	6.904	0.001	0.000	0.036
EAS-US	2025-10-14 10:00:00	9.163	77.465	0.173	6.955	0.792	0.000	0.035
EAS-US	2025-10-14 11:00:00	9.341	76.371	0.176	6.915	0.108	0.000	0.035

**Woodfibre LNG (East Creek)**

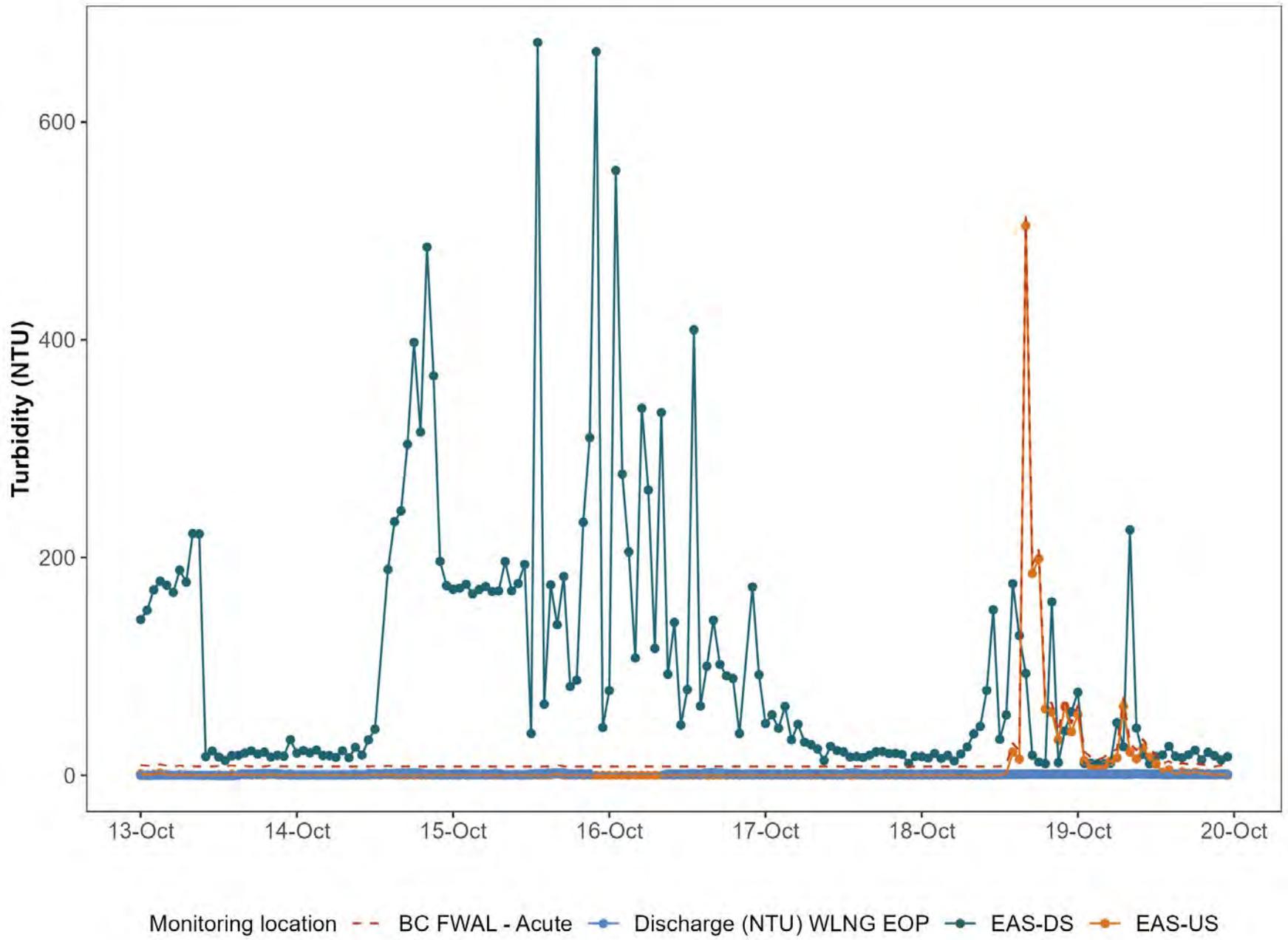
Station	Date/Time	Temperature (C)	Specific Conductivity (µS/cm)	ORP (V)	pH (pH units)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	Salinity (PSU)
EAS-US	2025-10-14 12:00:00	9.556	75.526	0.172	6.959	0.960	0.386	0.035
EAS-US	2025-10-14 13:00:00	9.793	77.534	0.171	6.913	0.045	0.000	0.036
EAS-US	2025-10-14 14:00:00	10.041	75.886	0.167	6.950	0.708	0.541	0.035
EAS-US	2025-10-14 15:00:00	10.137	75.668	0.170	6.883	0.100	0.000	0.035
EAS-US	2025-10-14 16:00:00	10.221	74.204	0.167	6.895	0.618	0.000	0.034
EAS-US	2025-10-14 17:00:00	10.303	70.175	0.177	6.875	0.063	0.000	0.032
EAS-US	2025-10-14 18:00:00	10.261	65.092	0.182	6.912	0.479	0.000	0.030
EAS-US	2025-10-14 19:00:00	10.184	67.073	0.173	6.844	0.019	0.000	0.031
EAS-US	2025-10-14 20:00:00		68.933	0.166	6.879	0.414	0.000	0.031
EAS-US	2025-10-14 21:00:00	9.991	72.879	0.166	6.860	0.000	0.000	0.033
EAS-US	2025-10-14 22:00:00	9.881	73.507	0.164	6.882	0.248	0.000	0.034
EAS-US	2025-10-14 23:00:00	9.772	75.084	0.158	6.812	0.000	0.000	0.034
EAS-US	2025-10-15 00:00:00	9.693	77.382	0.147	6.765	0.095	0.000	0.035
EAS-US	2025-10-15 01:00:00	9.602	82.640	0.143	6.683	0.000	0.000	0.038
EAS-US	2025-10-15 02:00:00	9.520	80.431	0.156	6.784	0.137	0.000	0.037
EAS-US	2025-10-15 03:00:00	9.445	81.814	0.148	6.755	0.000	0.000	0.038
EAS-US	2025-10-15 04:00:00	9.373	80.640	0.155	6.717	0.106	0.000	0.037
EAS-US	2025-10-15 05:00:00	9.304	84.063	0.138	6.742	0.000	0.000	0.039
EAS-US	2025-10-15 06:00:00	9.251	84.222	0.157	6.755	0.000	0.000	0.039
EAS-US	2025-10-15 07:00:00	9.196	84.009	0.147	6.746	0.000	0.000	0.039
EAS-US	2025-10-15 08:00:00	9.139	81.070	0.157	6.751	0.070	0.000	0.037
EAS-US	2025-10-15 09:00:00	9.108	81.567	0.151	6.678	0.000	0.000	0.037
EAS-US	2025-10-15 10:00:00	9.269	79.604	0.145	6.678	0.064	0.000	0.037
EAS-US	2025-10-15 11:00:00	9.373	80.948	0.154	6.653	0.000	0.000	0.037
EAS-US	2025-10-15 12:00:00	9.631	79.019	0.144	6.686	0.032	0.000	0.036
EAS-US	2025-10-15 13:00:00	9.862	84.319	0.143	6.655	0.000	0.000	0.039
EAS-US	2025-10-15 14:00:00	10.087	79.141	0.141	6.662	0.124	0.000	0.036
EAS-US	2025-10-15 15:00:00	10.161	79.399	0.139	6.617	0.019	0.000	0.036
EAS-US	2025-10-15 16:00:00	10.217	78.735	0.128	6.608	0.089	1.238	0.036
EAS-US	2025-10-15 17:00:00	10.278	78.758	0.131	6.639	0.035	0.000	0.036
EAS-US	2025-10-15 18:00:00	10.258	78.393	0.141	6.596	0.022	0.023	0.036
EAS-US	2025-10-15 19:00:00	10.190	79.172	0.131	6.637	0.006	0.000	0.036
EAS-US	2025-10-15 20:00:00	10.113	78.289	0.152	6.626	0.024	0.000	0.036
EAS-US	2025-10-15 21:00:00	10.022	77.918	0.135	6.657	0.038	0.000	0.036
EAS-US	2025-10-15 22:00:00	9.930	75.669	0.157	6.672	0.051	0.000	0.035
EAS-US	2025-10-15 23:00:00	9.833	74.907	0.153	6.688	0.047	0.000	0.034
EAS-US	2025-10-16 00:00:00	9.745	71.282	0.162	6.749	0.067	0.000	0.033
EAS-US	2025-10-16 01:00:00	9.644	70.310	0.160	6.733	0.039	0.000	0.032
EAS-US	2025-10-16 02:00:00		68.803	0.163	6.798	0.100	0.000	0.031
EAS-US	2025-10-16 03:00:00		69.840	0.163	6.784	0.014	0.000	0.032
EAS-US	2025-10-16 04:00:00	9.402	62.072	0.161	6.792	0.087	0.000	0.028
EAS-US	2025-10-16 05:00:00	9.301	66.741	0.161	6.798	0.020	0.000	0.030
EAS-US	2025-10-16 06:00:00	9.229	66.649	0.161	6.804	0.203	0.000	0.030
EAS-US	2025-10-16 07:00:00	9.158	66.877	0.159	6.788	0.079	0.000	0.030
EAS-US	2025-10-16 08:00:00	9.110	64.206	0.163	6.800	0.239	0.000	0.029
EAS-US	2025-10-16 09:00:00	9.088	64.588	0.162	6.804	0.091	0.000	0.029
EAS-US	2025-10-16 10:00:00	9.157	63.908	0.160	6.848	0.382	0.000	0.029
EAS-US	2025-10-16 11:00:00	9.264	64.196	0.160	6.828	0.252	0.000	0.029
EAS-US	2025-10-16 12:00:00	9.414	62.033	0.159	6.836	0.276	0.000	0.028
EAS-US	2025-10-16 13:00:00	9.576	62.797	0.160	6.859	0.175	0.000	0.028
EAS-US	2025-10-16 14:00:00	9.742	65.228	0.158	6.870	0.223	0.000	0.030

**Woodfibre LNG (East Creek)**

Station	Date/Time	Temperature (C)	Specific Conductivity (µS/cm)	ORP (V)	pH (pH units)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	Salinity (PSU)
EAS-US	2025-10-16 15:00:00	9.884	63.968	0.157	6.862	0.069	0.000	0.029
EAS-US	2025-10-16 16:00:00	9.984	64.926	0.158	6.857	0.134	0.000	0.029
EAS-US	2025-10-16 17:00:00	10.063	67.405	0.151	6.803	0.053	0.000	0.031
EAS-US	2025-10-16 18:00:00	10.094	68.923	0.156	6.847	0.321	0.000	0.031
EAS-US	2025-10-16 19:00:00	10.092	68.097	0.157	6.837	0.162	0.000	0.031
EAS-US	2025-10-16 20:00:00	10.077	66.370	0.157	6.851	0.321	0.000	0.030
EAS-US	2025-10-16 21:00:00	10.081	66.010	0.158	6.846	0.173	0.000	0.030
EAS-US	2025-10-16 22:00:00	10.097	63.547	0.157	6.841	0.228	0.000	0.029
EAS-US	2025-10-16 23:00:00	10.109	65.909	0.157	6.838	0.163	0.000	0.030
EAS-US	2025-10-17 00:00:00	10.131	62.070	0.155	6.858	0.309	0.000	0.028
EAS-US	2025-10-17 01:00:00	10.150	62.431	0.154	6.876	0.199	0.000	0.028
EAS-US	2025-10-17 02:00:00	10.158	61.489	0.158	6.860	0.308	0.000	0.028
EAS-US	2025-10-17 03:00:00	10.167	62.412	0.158	6.875	0.206	0.000	0.028
EAS-US	2025-10-17 04:00:00	10.165	60.554	0.151	6.725	0.261	0.000	0.027
EAS-US	2025-10-17 05:00:00	10.161	60.831	0.149	6.696	0.179	0.000	0.028
EAS-US	2025-10-17 06:00:00	10.189	62.428	0.146	6.554	0.258	0.000	0.028
EAS-US	2025-10-17 07:00:00	10.225	61.646	0.150	6.749	0.229	0.000	0.028
EAS-US	2025-10-17 08:00:00	10.251	60.153	0.158	6.751	0.145	0.000	0.027
EAS-US	2025-10-17 09:00:00	10.254	63.000	0.146	6.700	0.199	0.000	0.029
EAS-US	2025-10-17 10:00:00	10.357	63.528	0.146	6.729	0.306	0.000	0.029
EAS-US	2025-10-17 11:00:00	10.515	72.317	0.143	6.756	0.250	0.000	0.033
EAS-US	2025-10-17 12:00:00	10.687	64.087	0.145	6.768	0.235	0.000	0.029
EAS-US	2025-10-17 13:00:00	10.834	64.597	0.137	6.705	0.201	0.000	0.029
EAS-US	2025-10-17 14:00:00	11.045	62.856	0.147	6.841	0.313	0.000	0.029
EAS-US	2025-10-17 15:00:00	11.099	61.700	0.145	6.786	0.211	0.000	0.028
EAS-US	2025-10-17 16:00:00	11.115	60.583	0.146	6.826	0.314	0.000	0.027
EAS-US	2025-10-17 17:00:00	11.073	61.961	0.149	6.804	0.309	0.000	0.028
EAS-US	2025-10-17 18:00:00	10.998	63.577	0.139	6.782	0.407	0.000	0.029
EAS-US	2025-10-17 19:00:00		65.357	0.157	6.651	0.437	0.000	0.030
EAS-US	2025-10-17 20:00:00	10.754	58.115	0.157	6.872	0.654	0.000	0.026
EAS-US	2025-10-17 21:00:00	10.609	56.433	0.158	6.914	0.500	0.000	0.025
EAS-US	2025-10-17 22:00:00	10.475	55.528	0.159	6.871	0.604	0.000	0.025
EAS-US	2025-10-17 23:00:00	10.344	56.438	0.157	6.834	0.527	0.000	0.025
EAS-US	2025-10-18 00:00:00	10.221	56.019	0.157	6.839	0.689	0.000	0.025
EAS-US	2025-10-18 01:00:00	10.097	55.833	0.158	6.881	0.870	0.000	0.025
EAS-US	2025-10-18 02:00:00	10.016	54.793	0.159	6.849	0.672	0.000	0.025
EAS-US	2025-10-18 03:00:00	9.933	54.606	0.155	6.887	0.800	0.000	0.025
EAS-US	2025-10-18 04:00:00	9.867	54.297	0.157	6.785	0.979	0.000	0.024
EAS-US	2025-10-18 05:00:00	9.800	53.437	0.167	6.855	0.944	0.000	0.024
EAS-US	2025-10-18 06:00:00	9.758	52.113	0.166	6.779	1.100	0.000	0.023
EAS-US	2025-10-18 07:00:00	9.722	52.709	0.146	6.841	0.802	0.000	0.024
EAS-US	2025-10-18 08:00:00	9.692	52.344	0.165	6.881	0.969	0.000	0.023
EAS-US	2025-10-18 09:00:00	9.684	52.360	0.170	6.886	0.807	0.000	0.023
EAS-US	2025-10-18 10:00:00	9.698	51.793	0.170	6.918	1.055	0.000	0.023
EAS-US	2025-10-18 11:00:00	9.705	55.209	0.172	6.848	0.812	0.000	0.025
EAS-US	2025-10-18 12:00:00	9.721	55.628	0.164	6.842	0.731	0.075	0.025
EAS-US	2025-10-18 13:00:00		70.172	0.168	6.882	0.599	1.360	0.032
EAS-US	2025-10-18 14:00:00	9.680	151.464	0.170	7.203	1.224	21.200	0.071
EAS-US	2025-10-18 15:00:00	9.668	148.681	0.178	7.212	0.620	14.698	0.070
EAS-US	2025-10-18 16:00:00	9.555	163.892	0.190	7.457	6.236	504.787	0.077
EAS-US	2025-10-18 17:00:00	9.428	163.208	0.268	7.372	3.147	185.237	0.077

**Woodfibre LNG (East Creek)**

Station	Date/Time	Temperature (C)	Specific Conductivity (µS/cm)	ORP (V)	pH (pH units)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	Salinity (PSU)
EAS-US	2025-10-18 18:00:00	9.306	177.887	0.256	7.537	2.379	198.896	0.084
EAS-US	2025-10-18 19:00:00	9.258	173.017	0.181	7.621	0.756	60.901	0.081
EAS-US	2025-10-18 20:00:00	9.248	205.113	0.186	7.686	2.087	58.130	0.097
EAS-US	2025-10-18 21:00:00	9.307	248.156	0.243	7.713	5.979	32.230	0.117
EAS-US	2025-10-18 22:00:00	9.405	240.900	0.275	7.673	5.804	63.322	0.114
EAS-US	2025-10-18 23:00:00	9.576	265.851	0.322	7.662	10.126	39.789	0.126
EAS-US	2025-10-19 00:00:00	9.735	248.305	0.347	7.600	9.251	55.954	0.118
EAS-US	2025-10-19 01:00:00	9.965	232.989	0.334	7.491	8.489	13.512	0.110
EAS-US	2025-10-19 02:00:00	10.053	198.404	0.342	7.399	9.484	8.552	0.094
EAS-US	2025-10-19 03:00:00	10.080	177.541	0.347	7.299	9.770	5.893	0.084
EAS-US	2025-10-19 04:00:00	10.092	172.853	0.356	7.326	9.853	8.478	0.081
EAS-US	2025-10-19 05:00:00	10.116	178.745	0.350	7.218	9.595	12.805	0.084
EAS-US	2025-10-19 06:00:00	10.149	181.544	0.348	7.377	9.597	15.875	0.086
EAS-US	2025-10-19 07:00:00	10.182	181.098	0.348	7.388	7.915	63.162	0.085
EAS-US	2025-10-19 08:00:00	10.230	183.063	0.346	7.373	8.673	21.320	0.086
EAS-US	2025-10-19 09:00:00	10.302	172.489	0.350	7.323	8.658	14.897	0.081
EAS-US	2025-10-19 10:00:00	10.292	156.781	0.357	7.283	7.705	25.099	0.074
EAS-US	2025-10-19 11:00:00	10.334	160.204	0.354	7.349	8.384	16.633	0.075
EAS-US	2025-10-19 12:00:00	10.485	156.107	0.354	7.314	7.551	10.327	0.073
EAS-US	2025-10-19 13:00:00	10.624	137.172	0.358	7.217	8.399	2.701	0.064
EAS-US	2025-10-19 14:00:00	10.749	121.545	0.365	7.154	6.626	4.844	0.057
EAS-US	2025-10-19 15:00:00		108.156	0.370	7.058	5.479	1.016	0.050
EAS-US	2025-10-19 16:00:00	10.954	97.958	0.372	7.037	6.676	3.064	0.045
EAS-US	2025-10-19 17:00:00	10.936	91.621	0.370	7.064	5.417	1.820	0.042
EAS-US	2025-10-19 18:00:00	10.887	89.100	0.374	7.009	4.947	2.850	0.041
EAS-US	2025-10-19 19:00:00	10.792	84.524	0.375	6.957	5.529	1.550	0.039
EAS-US	2025-10-19 20:00:00	10.675	84.963	0.374	6.933	3.893	1.458	0.039
EAS-US	2025-10-19 21:00:00		83.036	0.367	6.940	4.239	0.000	0.038
EAS-US	2025-10-19 22:00:00	10.472	83.912	0.364	6.932	2.547	0.720	0.039
EAS-US	2025-10-19 23:00:00	10.377	85.782	0.368	6.879	1.451	0.020	0.040



 <b>Eagle Mountain - Woodfibre Gas Pipeline Project Waste Discharge Permit PE-110163 Report</b>	Reporting Week	Oct 13 <sup>th</sup> to Oct 19 <sup>th</sup> , 2025
	Report #	82
	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. #: 08557371

**Attention: Saeesh Mangwani**

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

**Report Date: 2025/10/23**  
 Report #: R3724469  
 Version: 1 - Final

**CERTIFICATE OF ANALYSIS**

**BUREAU VERITAS JOB #: C586232**

**Received: 2025/10/14, 16:25**

Sample Matrix: Water  
 # Samples Received: 7

Analyses	Quantity	Date	Date	Laboratory Method	Analytical Method
		Extracted	Analyzed		
Alkalinity @25C (pp, total), CO3,HCO3,OH	7	N/A	2025/10/18	BBY6SOP-00026	SM 24 2320 B m
Chloride/Sulphate by Auto Colourimetry	7	N/A	2025/10/16	BBY6SOP-00011 / BBY6SOP-00017	SM24-4500-Cl/SO4-E m
Chromium III (Calc'd)	7	N/A	2025/10/21		
Total Hexavalent Chromium	7	N/A	2025/10/21	BBY6SOP-00054	SM 24 3500-Cr B m
Carbon (DOC) -Lab Filtered (2)	7	N/A	2025/10/21	BBY6SOP-00053	SM 24 5310 B m
Fluoride	6	N/A	2025/10/22	BBY6SOP-00037	SM 24 4500-F C m
Fluoride	1	N/A	2025/10/23	BBY6SOP-00037	SM 24 4500-F C m
Glycols in Water by GC/FID (1)	1	N/A	2025/10/21	CAL SOP-00093	BCMOE Glycols 09/17
Sulphide (as H2S) (1)	7	N/A	2025/10/21		Auto Calc
Un-ionized Hydrogen Sulphide as S Calc	5	N/A	2025/10/21	BBY WI-00033	Auto Calc
Hardness Total (calculated as CaCO3) (3)	2	N/A	2025/10/20	BBY WI-00033	Auto Calc
Hardness Total (calculated as CaCO3) (3)	5	N/A	2025/10/21	BBY WI-00033	Auto Calc
Hardness (calculated as CaCO3)	7	N/A	2025/10/20	BBY WI-00033	Auto Calc
Mercury (Dissolved) by CV-Lab Filtered	7	2025/10/16	2025/10/16	BBY7SOP-00032	BCMOE LM 2023 C1.1.3
Mercury (Total) by CV	6	2025/10/17	2025/10/17	BBY7SOP-00032	BCMOE LM 2023 C1.1.3
Mercury (Total) by CV	1	2025/10/20	2025/10/20	BBY7SOP-00032	BCMOE LM 2023 C1.1.3
Bromide as Bromine (Br) by ICPMS	7	N/A	2025/10/17	BBY7SOP-00002	EPA 6020B R2 m
EPH in Water when PAH required	1	2025/10/20	2025/10/20	BBY8SOP-00029	BCMOE BCLM Sep2017 m
Na, K, Ca, Mg, S by CRC ICPMS (diss.)	7	N/A	2025/10/20	BBY WI-00033	Auto Calc
Elements by ICPMS Low Level (lab filter) (4)	7	N/A	2025/10/17	BBY7SOP-00002	EPA 6020b R2 m
Elements by ICPMS Digested LL (total)	5	2025/10/20	2025/10/20	BBY7SOP-00003 / BBY7SOP-00002	EPA 6020b R2 m
Na, K, Ca, Mg, S by CRC ICPMS (total)	2	N/A	2025/10/20	BBY WI-00033	Auto Calc
Na, K, Ca, Mg, S by CRC ICPMS (total)	5	N/A	2025/10/21	BBY WI-00033	Auto Calc
Elements by ICPMS Low Level (total)	2	N/A	2025/10/17	BBY7SOP-00002	EPA 6020b R2 m
Nitrogen (Total)	7	N/A	2025/10/21	BBY6SOP-00016	SM 24 4500-N C m
Ammonia-N (Total)	7	N/A	2025/10/20	AB SOP-00007	SM 24 4500 NH3 A G m
Nitrate + Nitrite (N)	7	N/A	2025/10/16	BBY6SOP-00010	SM 24 4500-NO3- H m
Nitrite (N) Regular Level Water	7	N/A	2025/10/16	BBY6SOP-00010	SM 24 4500-NO2- m
Nitrogen - Nitrate (as N)	1	N/A	2025/10/16	BBY WI-00033	Auto Calc



Your P.O. #: 4800010213  
 Your Project #: FORTIS11234/PE-110163  
 Site Location: WOODFIBRE PIPELINE PROJECT  
 Your C.O.C. #: 08557371

**Attention: Saeesh Mangwani**

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

**Report Date: 2025/10/23**  
 Report #: R3724469  
 Version: 1 - Final

**CERTIFICATE OF ANALYSIS**

**BUREAU VERITAS JOB #: C586232**

**Received: 2025/10/14, 16:25**

Sample Matrix: Water  
 # Samples Received: 7

Analyses	Quantity	Date	Date	Laboratory Method	Analytical Method
		Extracted	Analyzed		
Nitrogen - Nitrate (as N)	6	N/A	2025/10/17	BBY WI-00033	Auto Calc
PAH in Water by GC/MS (SIM)	1	2025/10/20	2025/10/21	BBY8SOP-00021	BCMEOE BCLM Jul2017m
Total LMW, HMW, Total PAH Calc (5)	1	N/A	2025/10/21	BBY WI-00033	Auto Calc
pH @25°C (6)	7	N/A	2025/10/18	BBY6SOP-00026	SM 24 4500-H+ B m
Phenols (4-AAP) (1)	1	N/A	2025/10/19	AB SOP-00088	EPA 9066 R0 m
Total Sulphide (1)	7	2025/10/20	2025/10/21	AB SOP-00080	SM 24 4500 S2-A D Fm
Total Dissolved Solids (Filt. Residue)	7	2025/10/17	2025/10/18	BBY6SOP-00033	SM 24 2540 C m
EPH less PAH in Water by GC/FID (7)	1	N/A	2025/10/21	BBY WI-00033	Auto Calc
Carbon (Total Organic) (8)	7	N/A	2025/10/21	BBY6SOP-00053	SM 24 5310 B m
Total Phosphorus Low Level Total	7	2025/10/17	2025/10/18	BBY6SOP-00013	SM 24 4500-P E m
Total Suspended Solids (NFR)	3	2025/10/16	2025/10/17	BBY6SOP-00034	SM 24 2540 D m
Total Suspended Solids (NFR)	4	2025/10/17	2025/10/20	BBY6SOP-00034	SM 24 2540 D m
Field pH	5	N/A	2025/10/16	Field Test	Field Test
Field Temperature	5	N/A	2025/10/16	Field Test	Field Test
VOCs, VH, F1, LH in Water by HS GC/MS	1	N/A	2025/10/21	BBY8SOP-00009 / BBY8SOP-00011 / BBY8SOP-00012	BCMEOE BCLM Jul2017 m
Volatile HC-BTEX (9)	1	N/A	2025/10/21	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



Your P.O. #: 4800010213  
Your Project #: FORTIS11234/PE-110163  
Site Location: WOODFIBRE PIPELINE PROJECT  
Your C.O.C. #: 08557371

**Attention: Saeesh Mangwani**

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

**Report Date: 2025/10/23**  
Report #: R3724469  
Version: 1 - Final

**CERTIFICATE OF ANALYSIS**

**BUREAU VERITAS JOB #: C586232**

**Received: 2025/10/14, 16:25**

customer or their agent.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

**Encryption Key**

Please direct all questions regarding this Certificate of Analysis to:

Levi Manchak, Project Manager SR

Email: Levi.MANCHAK@bureauveritas.com

Phone# (780)862-5634

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

Bureau Veritas has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per ISO/IEC 17025, signing the reports.

For Service Group specific validation, please refer to the Validation Signatures page if included, otherwise available by request. For Department specific Analyst/Supervisor validation names, please refer to the Test Summary section if included, otherwise available by request. This report is authorized by Rob Gilbert, BBY General Manager responsible for British Columbia Environmental laboratory operations.



**RESULTS OF CHEMICAL ANALYSES OF WATER**

<b>Bureau Veritas ID</b>		DUY648			DUY648			DUY649		
<b>Sampling Date</b>		2025/10/14			2025/10/14			2025/10/14		
<b>COC Number</b>		08557371			08557371			08557371		
	<b>UNITS</b>	<b>WLNG-DS</b>	<b>RDL</b>	<b>QC Batch</b>	<b>WLNG-DS Lab-Dup</b>	<b>RDL</b>	<b>QC Batch</b>	<b>WLNG-EOP</b>	<b>RDL</b>	<b>QC Batch</b>

**ANIONS**

Nitrite (N)	mg/L	ND	0.0050	C126327				ND	0.0050	C126327
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**Calculated Parameters**

Total Chromium III	mg/L	ND	0.00099	C124023				ND	0.00099	C124023
Dissolved Hardness (CaCO3)	mg/L	50.1	0.50	C123721				56.6	0.50	C123721
Total Hardness (CaCO3)	mg/L	52.0	0.50	C124039				59.6	0.50	C124039
Nitrate (N)	mg/L	ND	0.020	C124066				ND	0.020	C124066
Sulphide (as H2S)	mg/L	ND	0.0020	C124732				ND	0.0020	C124732

**Field Parameters**

Field pH	pH	7.23	N/A	ONSITE				6.5	N/A	ONSITE
Field Temperature	°C	10.8	N/A	ONSITE				11.2	N/A	ONSITE

**Misc. Inorganics**

pH	pH	7.16	N/A	C126098				7.23	N/A	C126098
Total Organic Carbon (C)	mg/L	1.4	0.50	C130284				0.68	0.50	C130284
Total Dissolved Solids	mg/L	100	10	C128288				120	10	C128288
Total Suspended Solids	mg/L	9.2	1.0	C125944	10	1.0	C125944	5.2	1.0	C125978

**Lab Filtered Inorganics**

Dissolved Organic Carbon (C)	mg/L	1.0	0.50	C130926				0.57	0.50	C130926
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**Anions**

Alkalinity (PP as CaCO3)	mg/L	ND	1.0	C126018				ND	1.0	C126018
Alkalinity (Total as CaCO3)	mg/L	42	1.0	C126018				48	1.0	C126018
Bicarbonate (HCO3)	mg/L	51	1.0	C126018				58	1.0	C126018
Carbonate (CO3)	mg/L	ND	1.0	C126018				ND	1.0	C126018
Fluoride (F)	mg/L	0.19	0.050	C131978				0.22	0.050	C131978
Hydroxide (OH)	mg/L	ND	1.0	C126018				ND	1.0	C126018
Total Sulphide	mg/L	ND	0.0018	C129830				ND	0.0018	C129830
Chloride (Cl)	mg/L	11	1.0	C126093				14	1.0	C126093
Sulphate (SO4)	mg/L	10	1.0	C126093				11	1.0	C126093

RDL = Reportable Detection Limit  
 Lab-Dup = Laboratory Initiated Duplicate  
 ND = Not Detected at a concentration equal or greater than the indicated Detection Limit.  
 N/A = Not Applicable



**RESULTS OF CHEMICAL ANALYSES OF WATER**

Bureau Veritas ID		DUY648			DUY648			DUY649		
Sampling Date		2025/10/14			2025/10/14			2025/10/14		
COC Number		08557371			08557371			08557371		
	UNITS	WLNG-DS	RDL	QC Batch	WLNG-DS Lab-Dup	RDL	QC Batch	WLNG-EOP	RDL	QC Batch
<b>Metals</b>										
Total Hex. Chromium (Cr 6+)	mg/L	ND	0.00099	C131431				ND	0.00099	C131431
<b>Nutrients</b>										
Total Ammonia (N)	mg/L	ND	0.015	C128135				ND	0.015	C128135
Total Phosphorus (P)	mg/L	0.0081	0.0010	C127307				0.0023	0.0010	C127307
Nitrate plus Nitrite (N)	mg/L	ND	0.020	C126306				ND	0.020	C126306
Total Nitrogen (N)	mg/L	0.227	0.020	C129892				0.115	0.020	C129892
<b>Misc. Organics</b>										
Phenols	mg/L							ND	0.0015	C129160
RDL = Reportable Detection Limit Lab-Dup = Laboratory Initiated Duplicate ND = Not Detected at a concentration equal or greater than the indicated Detection Limit.										



BUREAU  
VERITAS

Bureau Veritas Job #: C586232  
Report Date: 2025/10/23

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		DUY650	DUY651			DUY651			DUY652		
Sampling Date		2025/10/14	2025/10/14			2025/10/14			2025/10/14		
COC Number		08557371	08557371			08557371			08557371		
	UNITS	WLNG-US	SGRI-US	RDL	QC Batch	SGRI-US Lab-Dup	RDL	QC Batch	SQRI-DS	RDL	QC Batch
<b>ANIONS</b>											
Nitrite (N)	mg/L	ND	ND	0.0050	C126327				ND	0.0050	C126327
<b>Calculated Parameters</b>											
Total Chromium III	mg/L	ND	ND	0.00099	C124023				ND	0.00099	C124023
Dissolved Hardness (CaCO3)	mg/L	13.9	17.6	0.50	C123721				16.7	0.50	C123721
Total Hardness (CaCO3)	mg/L	15.1	18.9	0.50	C124039				18.6	0.50	C124039
Nitrate (N)	mg/L	0.161	0.055	0.020	C124066				0.044	0.020	C124066
Sulphide (as H2S)	mg/L	ND	ND	0.0020	C124732				ND	0.0020	C124732
<b>Field Parameters</b>											
Field pH	pH	7.06	7.02	N/A	ONSITE				7.03	N/A	ONSITE
Field Temperature	°C	9.1	10.7	N/A	ONSITE				8.6	N/A	ONSITE
<b>Misc. Inorganics</b>											
pH	pH	6.42	6.55	N/A	C126098				6.55	N/A	C126098
Total Organic Carbon (C)	mg/L	2.6	1.2	0.50	C130284				1.0	0.50	C130284
Total Dissolved Solids	mg/L	72	24	10	C128288				16	10	C128288
Total Suspended Solids	mg/L	1.6	12	1.0	C128172				67	1.0	C128172
<b>Lab Filtered Inorganics</b>											
Dissolved Organic Carbon (C)	mg/L	2.7	1.2	0.50	C130926				1.1	0.50	C130926
<b>Anions</b>											
Alkalinity (PP as CaCO3)	mg/L	ND	ND	1.0	C126018				ND	1.0	C126018
Alkalinity (Total as CaCO3)	mg/L	7.7	15	1.0	C126018				15	1.0	C126018
Bicarbonate (HCO3)	mg/L	9.5	18	1.0	C126018				19	1.0	C126018
Carbonate (CO3)	mg/L	ND	ND	1.0	C126018				ND	1.0	C126018
Fluoride (F)	mg/L	ND	ND	0.050	C131978				ND	0.050	C131978
Hydroxide (OH)	mg/L	ND	ND	1.0	C126018				ND	1.0	C126018
Total Sulphide	mg/L	ND	ND	0.0018	C129830	ND	0.0018	C129830	ND	0.0018	C129830
Chloride (Cl)	mg/L	ND	1.5	1.0	C126093				1.5	1.0	C126093
Sulphate (SO4)	mg/L	8.2	4.8	1.0	C126093				4.6	1.0	C126093
RDL = Reportable Detection Limit											
Lab-Dup = Laboratory Initiated Duplicate											
ND = Not Detected at a concentration equal or greater than the indicated Detection Limit.											
N/A = Not Applicable											



BUREAU  
VERITAS

Bureau Veritas Job #: C586232

Report Date: 2025/10/23

HATFIELD CONSULTANTS

Client Project #: FORTIS11234/PE-110163

Site Location: WOODFIBRE PIPELINE PROJECT

Your P.O. #: 4800010213

### RESULTS OF CHEMICAL ANALYSES OF WATER

<b>Bureau Veritas ID</b>		DUY650	DUY651			DUY651			DUY652		
<b>Sampling Date</b>		2025/10/14	2025/10/14			2025/10/14			2025/10/14		
<b>COC Number</b>		08557371	08557371			08557371			08557371		
	<b>UNITS</b>	<b>WLNG-US</b>	<b>SGRI-US</b>	<b>RDL</b>	<b>QC Batch</b>	<b>SGRI-US Lab-Dup</b>	<b>RDL</b>	<b>QC Batch</b>	<b>SQRI-DS</b>	<b>RDL</b>	<b>QC Batch</b>

<b>Metals</b>											
Total Hex. Chromium (Cr 6+)	mg/L	ND	ND	0.00099	C131431				ND	0.00099	C131431

<b>Nutrients</b>											
Total Ammonia (N)	mg/L	ND	0.045	0.015	C128135				0.037	0.015	C128135
Total Phosphorus (P)	mg/L	0.021	0.029	0.0010	C127307				0.056	0.0010	C127307
Nitrate plus Nitrite (N)	mg/L	0.161	0.055	0.020	C126306				0.044	0.020	C126306
Total Nitrogen (N)	mg/L	0.246	0.620	0.020	C129892				0.208	0.020	C129892

RDL = Reportable Detection Limit  
 Lab-Dup = Laboratory Initiated Duplicate  
 ND = Not Detected at a concentration equal or greater than the indicated Detection Limit.



**RESULTS OF CHEMICAL ANALYSES OF WATER**

Bureau Veritas ID		DUY653			DUY653			DUY654		
Sampling Date		2025/10/14			2025/10/14			2025/10/14		
COC Number		08557371			08557371			08557371		
	UNITS	FIELD BLANK	RDL	QC Batch	FIELD BLANK Lab-Dup	RDL	QC Batch	TRIP BLANK	RDL	QC Batch
<b>ANIONS</b>										
Nitrite (N)	mg/L	ND	0.0050	C126327				ND	0.0050	C126130
<b>Calculated Parameters</b>										
Total Chromium III	mg/L	ND	0.00099	C124023				ND	0.00099	C124023
Dissolved Hardness (CaCO3)	mg/L	ND	0.50	C123721				ND	0.50	C123721
Total Hardness (CaCO3)	mg/L	ND	0.50	C124039				ND	0.50	C124039
Nitrate (N)	mg/L	ND	0.020	C124066				ND	0.020	C124066
Sulphide (as H2S)	mg/L	ND	0.0020	C123647				ND	0.0020	C124730
<b>Misc. Inorganics</b>										
pH	pH	5.92	N/A	C126098				5.65	N/A	C126098
Total Organic Carbon (C)	mg/L	ND	0.50	C130284				ND	0.50	C130284
Total Dissolved Solids	mg/L	ND	10	C128288				ND	10	C128288
Total Suspended Solids	mg/L	ND	1.0	C125944				ND	1.0	C128172
<b>Lab Filtered Inorganics</b>										
Dissolved Organic Carbon (C)	mg/L	ND	0.50	C130926				ND	0.50	C130926
<b>Anions</b>										
Alkalinity (PP as CaCO3)	mg/L	ND	1.0	C126018				ND	1.0	C126018
Alkalinity (Total as CaCO3)	mg/L	ND	1.0	C126018				ND	1.0	C126018
Bicarbonate (HCO3)	mg/L	ND	1.0	C126018				ND	1.0	C126018
Carbonate (CO3)	mg/L	ND	1.0	C126018				ND	1.0	C126018
Fluoride (F)	mg/L	ND	0.050	C132018				ND	0.050	C131978
Hydroxide (OH)	mg/L	ND	1.0	C126018				ND	1.0	C126018
Total Sulphide	mg/L	ND	0.0018	C129830				ND	0.0018	C129830
Chloride (Cl)	mg/L	ND	1.0	C126093				ND	1.0	C126093
Sulphate (SO4)	mg/L	ND	1.0	C126093				ND	1.0	C126093
<b>Metals</b>										
Total Hex. Chromium (Cr 6+)	mg/L	ND	0.00099	C131431				ND	0.00099	C131431
RDL = Reportable Detection Limit Lab-Dup = Laboratory Initiated Duplicate ND = Not Detected at a concentration equal or greater than the indicated Detection Limit. N/A = Not Applicable										



**RESULTS OF CHEMICAL ANALYSES OF WATER**

<b>Bureau Veritas ID</b>		DUY653			DUY653			DUY654		
<b>Sampling Date</b>		2025/10/14			2025/10/14			2025/10/14		
<b>COC Number</b>		08557371			08557371			08557371		
	<b>UNITS</b>	<b>FIELD BLANK</b>	<b>RDL</b>	<b>QC Batch</b>	<b>FIELD BLANK Lab-Dup</b>	<b>RDL</b>	<b>QC Batch</b>	<b>TRIP BLANK</b>	<b>RDL</b>	<b>QC Batch</b>

<b>Nutrients</b>										
Total Ammonia (N)	mg/L	ND	0.015	C128142	ND	0.015	C128142	ND	0.015	C128142
Total Phosphorus (P)	mg/L	ND	0.0010	C127307	ND	0.0010	C127307	ND	0.0010	C127307
Nitrate plus Nitrite (N)	mg/L	ND	0.020	C126306				ND	0.020	C126127
Total Nitrogen (N)	mg/L	ND	0.020	C129902	ND	0.020	C129902	ND	0.020	C129902

RDL = Reportable Detection Limit  
 Lab-Dup = Laboratory Initiated Duplicate  
 ND = Not Detected at a concentration equal or greater than the indicated Detection Limit.

<b>Bureau Veritas ID</b>		DUY654		
<b>Sampling Date</b>		2025/10/14		
<b>COC Number</b>		08557371		
	<b>UNITS</b>	<b>TRIP BLANK Lab-Dup</b>	<b>RDL</b>	<b>QC Batch</b>

<b>Misc. Inorganics</b>				
Total Organic Carbon (C)	mg/L	ND	0.50	C130284
<b>Metals</b>				
Total Hex. Chromium (Cr 6+)	mg/L	ND	0.00099	C131431

RDL = Reportable Detection Limit  
 Lab-Dup = Laboratory Initiated Duplicate  
 ND = Not Detected at a concentration equal or greater than the indicated Detection Limit.



Bureau Veritas Job #: C586232  
 Report Date: 2025/10/23

HATFIELD CONSULTANTS  
 Client Project #: FORTIS11234/PE-110163  
 Site Location: WOODFIBRE PIPELINE PROJECT  
 Your P.O. #: 4800010213

**GLYCOLS BY GC-FID (WATER)**

<b>Bureau Veritas ID</b>		DUY649		
<b>Sampling Date</b>		2025/10/14		
<b>COC Number</b>		08557371		
	<b>UNITS</b>	<b>WLNG-EOP</b>	<b>RDL</b>	<b>QC Batch</b>
<b>Glycols</b>				
Ethylene Glycol	mg/L	ND	3.0	C128530
Diethylene Glycol	mg/L	ND	5.0	C128530
Triethylene Glycol	mg/L	ND	5.0	C128530
Propylene Glycol	mg/L	ND	5.0	C128530
<b>Surrogate Recovery (%)</b>				
Methyl Sulfone (sur.)	%	96		C128530
RDL = Reportable Detection Limit ND = Not Detected at a concentration equal or greater than the indicated Detection Limit.				



**MERCURY BY COLD VAPOR (WATER)**

<b>Bureau Veritas ID</b>		DUY648	DUY649	DUY650	DUY651	DUY652	DUY653		
<b>Sampling Date</b>		2025/10/14	2025/10/14	2025/10/14	2025/10/14	2025/10/14	2025/10/14		
<b>COC Number</b>		08557371	08557371	08557371	08557371	08557371	08557371		
	<b>UNITS</b>	<b>WLNG-DS</b>	<b>WLNG-EOP</b>	<b>WLNG-US</b>	<b>SGRI-US</b>	<b>SQRI-DS</b>	<b>FIELD BLANK</b>	<b>RDL</b>	<b>QC Batch</b>

<b>Elements</b>									
Total Mercury (Hg)	ug/L	ND	ND	ND	ND	ND	ND	0.0019	C127884

<b>Lab Filtered Elements</b>									
Dissolved Mercury (Hg)	ug/L	ND (1)	0.0019	C125997					

RDL = Reportable Detection Limit  
 ND = Not Detected at a concentration equal or greater than the indicated Detection Limit.  
 (1) Sample received was not in compliance with BC CSR sampling requirements for Mercury in water.

<b>Bureau Veritas ID</b>		DUY654			DUY654		
<b>Sampling Date</b>		2025/10/14			2025/10/14		
<b>COC Number</b>		08557371			08557371		
	<b>UNITS</b>	<b>TRIP BLANK</b>	<b>RDL</b>	<b>QC Batch</b>	<b>TRIP BLANK Lab-Dup</b>	<b>RDL</b>	<b>QC Batch</b>

<b>Elements</b>							
Total Mercury (Hg)	ug/L	ND	0.0019	C129675	ND	0.0019	C129675

<b>Lab Filtered Elements</b>							
Dissolved Mercury (Hg)	ug/L	ND (1)	0.0019	C125997			

RDL = Reportable Detection Limit  
 Lab-Dup = Laboratory Initiated Duplicate  
 ND = Not Detected at a concentration equal or greater than the indicated Detection Limit.  
 (1) Sample received was not in compliance with BC CSR sampling requirements for Mercury in water.



**ELEMENTS BY ATOMIC SPECTROSCOPY (WATER)**

Bureau Veritas ID		DUY648	DUY649	DUY650	DUY651	DUY652		
Sampling Date		2025/10/14	2025/10/14	2025/10/14	2025/10/14	2025/10/14		
COC Number		08557371	08557371	08557371	08557371	08557371		
	UNITS	WLNG-DS	WLNG-EOP	WLNG-US	SGRI-US	SQRI-DS	RDL	QC Batch
<b>ANIONS</b>								
Bromide (Br)	mg/L	ND	ND	ND	ND	ND	0.010	C127251
<b>Dissolved Metals by ICPMS</b>								
Dissolved Calcium (Ca)	mg/L	18.6	21.1	4.15	5.96	5.65	0.050	C124057
Dissolved Magnesium (Mg)	mg/L	0.893	0.966	0.867	0.667	0.633	0.050	C124057
Dissolved Potassium (K)	mg/L	0.984	1.83	0.308	0.655	0.660	0.050	C124057
Dissolved Sodium (Na)	mg/L	5.30	6.16	1.90	2.32	2.30	0.050	C124057
Dissolved Sulphur (S)	mg/L	3.3	3.6	ND	ND	ND	3.0	C124057
<b>Lab Filtered Metals</b>								
Dissolved Aluminum (Al)	ug/L	52.5	23.9	43.7	22.3	22.1	0.50	C127612
Dissolved Antimony (Sb)	ug/L	0.126	0.145	0.034	ND	ND	0.020	C127612
Dissolved Arsenic (As)	ug/L	1.08	0.933	0.150	0.136	0.132	0.020	C127612
Dissolved Barium (Ba)	ug/L	6.46	1.98	4.77	7.94	8.07	0.020	C127612
Dissolved Beryllium (Be)	ug/L	ND	ND	ND	ND	ND	0.010	C127612
Dissolved Bismuth (Bi)	ug/L	ND	ND	ND	ND	ND	0.0050	C127612
Dissolved Boron (B)	ug/L	11	10	ND	ND	ND	10	C127612
Dissolved Cadmium (Cd)	ug/L	0.0114	0.0057	0.0066	0.0082	0.0051	0.0050	C127612
Dissolved Cesium (Cs)	ug/L	ND	ND	ND	ND	ND	0.050	C127612
Dissolved Chromium (Cr)	ug/L	ND	ND	ND	ND	ND	0.10	C127612
Dissolved Cobalt (Co)	ug/L	0.0373	0.0261	0.0509	0.0544	0.0548	0.0050	C127612
Dissolved Copper (Cu)	ug/L	0.110	0.358	1.06	0.515	0.490	0.050	C127612
Dissolved Iron (Fe)	ug/L	ND	ND	25.2	53.2	53.5	1.0	C127612
Dissolved Lead (Pb)	ug/L	ND	0.0066	0.0080	0.0062	0.0069	0.0050	C127612
Dissolved Lithium (Li)	ug/L	3.10	4.03	ND	1.30	1.44	0.50	C127612
Dissolved Manganese (Mn)	ug/L	25.9	16.7	1.51	10.1	11.2	0.050	C127612
Dissolved Molybdenum (Mo)	ug/L	20.9	22.8	0.461	0.550	0.535	0.050	C127612
Dissolved Nickel (Ni)	ug/L	0.209	0.097	0.500	0.103	0.095	0.020	C127612
Dissolved Phosphorus (P)	ug/L	3.1	2.3	15.7	10.5	6.3	2.0	C127612
Dissolved Rubidium (Rb)	ug/L	2.17	4.04	0.450	0.997	0.995	0.050	C127612
Dissolved Selenium (Se)	ug/L	ND	ND	ND	ND	ND	0.040	C127612
Dissolved Silicon (Si)	ug/L	5330	5480	4160	4570	4240	50	C127612
Dissolved Silver (Ag)	ug/L	ND	ND	ND	ND	ND	0.0050	C127612
Dissolved Strontium (Sr)	ug/L	40.1	47.5	17.2	40.3	37.4	0.050	C127612
RDL = Reportable Detection Limit								
ND = Not Detected at a concentration equal or greater than the indicated Detection Limit.								



**ELEMENTS BY ATOMIC SPECTROSCOPY (WATER)**

Bureau Veritas ID		DUY648	DUY649	DUY650	DUY651	DUY652		
Sampling Date		2025/10/14	2025/10/14	2025/10/14	2025/10/14	2025/10/14		
COC Number		08557371	08557371	08557371	08557371	08557371		
	UNITS	WLNG-DS	WLNG-EOP	WLNG-US	SGRI-US	SQRI-DS	RDL	QC Batch
Dissolved Tellurium (Te)	ug/L	ND	ND	ND	ND	ND	0.020	C127612
Dissolved Thallium (Tl)	ug/L	0.0064	0.0138	ND	0.0027	0.0025	0.0020	C127612
Dissolved Thorium (Th)	ug/L	ND	ND	0.0105	0.0072	0.0057	0.0050	C127612
Dissolved Tin (Sn)	ug/L	ND	ND	ND	ND	ND	0.20	C127612
Dissolved Titanium (Ti)	ug/L	ND	ND	ND	ND	ND	0.50	C127612
Dissolved Uranium (U)	ug/L	0.648	0.382	0.0730	0.0237	0.0241	0.0020	C127612
Dissolved Vanadium (V)	ug/L	ND	ND	ND	1.31	1.14	0.20	C127612
Dissolved Zinc (Zn)	ug/L	1.16	2.34	0.85	0.52	0.33	0.10	C127612
Dissolved Zirconium (Zr)	ug/L	ND	ND	ND	ND	ND	0.10	C127612
<b>Total Metals by ICPMS</b>								
Total Aluminum (Al)	ug/L	1260	593	77.8	271	318	3.0	C130272
Total Antimony (Sb)	ug/L	0.164	0.171	0.035	ND	0.033	0.020	C130272
Total Arsenic (As)	ug/L	1.31	1.10	0.180	0.210	0.207	0.020	C130272
Total Barium (Ba)	ug/L	10.2	2.44	5.37	11.7	13.3	0.050	C130272
Total Beryllium (Be)	ug/L	0.011	ND	ND	ND	ND	0.010	C130272
Total Bismuth (Bi)	ug/L	ND	ND	ND	ND	ND	0.010	C130272
Total Boron (B)	ug/L	11	11	ND	ND	ND	10	C130272
Total Cadmium (Cd)	ug/L	0.0174	ND	0.0092	0.0069	0.0085	0.0050	C130272
Total Cesium (Cs)	ug/L	0.059	ND	ND	ND	ND	0.050	C130272
Total Chromium (Cr)	ug/L	0.18	ND	ND	0.13	0.18	0.10	C130272
Total Cobalt (Co)	ug/L	0.090	0.039	0.074	0.164	0.194	0.010	C130272
Total Copper (Cu)	ug/L	0.50	1.99	3.15	1.05	1.14	0.10	C130272
Total Iron (Fe)	ug/L	276	32.8	65.5	303	368	5.0	C130272
Total Lead (Pb)	ug/L	0.083	0.172	ND	0.053	0.061	0.020	C130272
Total Lithium (Li)	ug/L	2.90	3.54	ND	1.17	1.33	0.50	C130272
Total Manganese (Mn)	ug/L	31.2	18.8	2.76	16.8	19.5	0.10	C130272
Total Molybdenum (Mo)	ug/L	20.8	22.4	0.474	0.579	0.547	0.050	C130272
Total Nickel (Ni)	ug/L	0.44	0.16	0.55	0.22	0.24	0.10	C130272
Total Phosphorus (P)	ug/L	10.7	ND	21.4	22.9	22.5	5.0	C130272
Total Rubidium (Rb)	ug/L	2.74	4.20	0.517	1.33	1.45	0.050	C130272
Total Selenium (Se)	ug/L	ND	ND	ND	ND	ND	0.040	C130272
Total Silicon (Si)	ug/L	6390	6360	4560	5540	5030	50	C130272
Total Silver (Ag)	ug/L	ND	ND	ND	ND	ND	0.010	C130272
RDL = Reportable Detection Limit ND = Not Detected at a concentration equal or greater than the indicated Detection Limit.								



**ELEMENTS BY ATOMIC SPECTROSCOPY (WATER)**

Bureau Veritas ID		DUY648	DUY649	DUY650	DUY651	DUY652		
Sampling Date		2025/10/14	2025/10/14	2025/10/14	2025/10/14	2025/10/14		
COC Number		08557371	08557371	08557371	08557371	08557371		
	UNITS	WLNG-DS	WLNG-EOP	WLNG-US	SGRI-US	SQRI-DS	RDL	QC Batch
Total Strontium (Sr)	ug/L	41.2	47.3	17.9	41.1	41.1	0.050	C130272
Total Tellurium (Te)	ug/L	ND	ND	ND	ND	ND	0.020	C130272
Total Thallium (Tl)	ug/L	0.0096	0.0157	0.0028	0.0046	0.0063	0.0020	C130272
Total Thorium (Th)	ug/L	ND	ND	ND	ND	ND	0.050	C130272
Total Tin (Sn)	ug/L	ND	ND	ND	ND	ND	0.20	C130272
Total Titanium (Ti)	ug/L	12.5	ND	ND	14.4	18.4	2.0	C130272
Total Uranium (U)	ug/L	1.36	0.910	0.0819	0.0363	0.0385	0.0050	C130272
Total Vanadium (V)	ug/L	0.33	ND	0.21	1.76	1.83	0.20	C130272
Total Zinc (Zn)	ug/L	4.3	3.0	1.3	1.6	1.6	1.0	C130272
Total Zirconium (Zr)	ug/L	ND	ND	ND	ND	ND	0.10	C130272
Total Calcium (Ca)	mg/L	19.3	22.2	4.45	6.25	6.12	0.25	C124058
Total Magnesium (Mg)	mg/L	0.93	1.00	0.97	0.79	0.82	0.25	C124058
Total Potassium (K)	mg/L	1.04	1.97	0.33	0.71	0.77	0.25	C124058
Total Sodium (Na)	mg/L	5.19	6.18	2.03	2.38	2.51	0.25	C124058
Total Sulphur (S)	mg/L	3.3	3.6	ND	ND	ND	3.0	C124058
RDL = Reportable Detection Limit								
ND = Not Detected at a concentration equal or greater than the indicated Detection Limit.								



**ELEMENTS BY ATOMIC SPECTROSCOPY (WATER)**

Bureau Veritas ID		DUY653		DUY654		
Sampling Date		2025/10/14		2025/10/14		
COC Number		08557371		08557371		
	UNITS	FIELD BLANK	QC Batch	TRIP BLANK	RDL	QC Batch
<b>ANIONS</b>						
Bromide (Br)	mg/L	ND	C127251	ND	0.010	C127258
<b>Dissolved Metals by ICPMS</b>						
Dissolved Calcium (Ca)	mg/L	ND	C124057	ND	0.050	C124057
Dissolved Magnesium (Mg)	mg/L	ND	C124057	ND	0.050	C124057
Dissolved Potassium (K)	mg/L	ND	C124057	ND	0.050	C124057
Dissolved Sodium (Na)	mg/L	ND	C124057	ND	0.050	C124057
Dissolved Sulphur (S)	mg/L	ND	C124057	ND	3.0	C124057
<b>Lab Filtered Metals</b>						
Dissolved Aluminum (Al)	ug/L	ND	C127612	ND	0.50	C127612
Dissolved Antimony (Sb)	ug/L	ND	C127612	ND	0.020	C127612
Dissolved Arsenic (As)	ug/L	ND	C127612	ND	0.020	C127612
Dissolved Barium (Ba)	ug/L	ND	C127612	ND	0.020	C127612
Dissolved Beryllium (Be)	ug/L	ND	C127612	ND	0.010	C127612
Dissolved Bismuth (Bi)	ug/L	ND	C127612	ND	0.0050	C127612
Dissolved Boron (B)	ug/L	ND	C127612	ND	10	C127612
Dissolved Cadmium (Cd)	ug/L	ND	C127612	ND	0.0050	C127612
Dissolved Cesium (Cs)	ug/L	ND	C127612	ND	0.050	C127612
Dissolved Chromium (Cr)	ug/L	ND	C127612	ND	0.10	C127612
Dissolved Cobalt (Co)	ug/L	ND	C127612	ND	0.0050	C127612
Dissolved Copper (Cu)	ug/L	ND	C127612	ND	0.050	C127612
Dissolved Iron (Fe)	ug/L	ND	C127612	ND	1.0	C127612
Dissolved Lead (Pb)	ug/L	ND	C127612	ND	0.0050	C127612
Dissolved Lithium (Li)	ug/L	ND	C127612	ND	0.50	C127612
Dissolved Manganese (Mn)	ug/L	ND	C127612	ND	0.050	C127612
Dissolved Molybdenum (Mo)	ug/L	ND	C127612	ND	0.050	C127612
Dissolved Nickel (Ni)	ug/L	ND	C127612	ND	0.020	C127612
Dissolved Phosphorus (P)	ug/L	2.1	C127612	ND	2.0	C127612
Dissolved Rubidium (Rb)	ug/L	ND	C127612	ND	0.050	C127612
Dissolved Selenium (Se)	ug/L	ND	C127612	ND	0.040	C127612
Dissolved Silicon (Si)	ug/L	ND	C127612	ND	50	C127612
Dissolved Silver (Ag)	ug/L	ND	C127612	ND	0.0050	C127612
RDL = Reportable Detection Limit ND = Not Detected at a concentration equal or greater than the indicated Detection Limit.						



**ELEMENTS BY ATOMIC SPECTROSCOPY (WATER)**

Bureau Veritas ID		DUY653		DUY654		
Sampling Date		2025/10/14		2025/10/14		
COC Number		08557371		08557371		
	UNITS	FIELD BLANK	QC Batch	TRIP BLANK	RDL	QC Batch
Dissolved Strontium (Sr)	ug/L	ND	C127612	ND	0.050	C127612
Dissolved Tellurium (Te)	ug/L	ND	C127612	ND	0.020	C127612
Dissolved Thallium (Tl)	ug/L	ND	C127612	ND	0.0020	C127612
Dissolved Thorium (Th)	ug/L	ND	C127612	ND	0.0050	C127612
Dissolved Tin (Sn)	ug/L	ND	C127612	ND	0.20	C127612
Dissolved Titanium (Ti)	ug/L	ND	C127612	ND	0.50	C127612
Dissolved Uranium (U)	ug/L	ND	C127612	ND	0.0020	C127612
Dissolved Vanadium (V)	ug/L	ND	C127612	ND	0.20	C127612
Dissolved Zinc (Zn)	ug/L	ND	C127612	ND	0.10	C127612
Dissolved Zirconium (Zr)	ug/L	ND	C127612	ND	0.10	C127612
<b>Total Metals by ICPMS</b>						
Total Aluminum (Al)	ug/L	ND	C127823	ND	0.50	C127823
Total Antimony (Sb)	ug/L	ND	C127823	ND	0.020	C127823
Total Arsenic (As)	ug/L	ND	C127823	ND	0.020	C127823
Total Barium (Ba)	ug/L	ND	C127823	ND	0.020	C127823
Total Beryllium (Be)	ug/L	ND	C127823	ND	0.010	C127823
Total Bismuth (Bi)	ug/L	ND	C127823	ND	0.0050	C127823
Total Boron (B)	ug/L	ND	C127823	ND	10	C127823
Total Cadmium (Cd)	ug/L	ND	C127823	ND	0.0050	C127823
Total Cesium (Cs)	ug/L	ND	C127823	ND	0.050	C127823
Total Chromium (Cr)	ug/L	ND	C127823	ND	0.10	C127823
Total Cobalt (Co)	ug/L	ND	C127823	ND	0.0050	C127823
Total Copper (Cu)	ug/L	ND	C127823	ND	0.050	C127823
Total Iron (Fe)	ug/L	ND	C127823	ND	1.0	C127823
Total Lead (Pb)	ug/L	ND	C127823	ND	0.0050	C127823
Total Lithium (Li)	ug/L	ND	C127823	ND	0.50	C127823
Total Manganese (Mn)	ug/L	ND	C127823	ND	0.050	C127823
Total Molybdenum (Mo)	ug/L	ND	C127823	ND	0.050	C127823
Total Nickel (Ni)	ug/L	ND	C127823	ND	0.020	C127823
Total Phosphorus (P)	ug/L	ND	C127823	ND	2.0	C127823
Total Rubidium (Rb)	ug/L	ND	C127823	ND	0.050	C127823
Total Selenium (Se)	ug/L	ND	C127823	ND	0.040	C127823
RDL = Reportable Detection Limit ND = Not Detected at a concentration equal or greater than the indicated Detection Limit.						



**ELEMENTS BY ATOMIC SPECTROSCOPY (WATER)**

Bureau Veritas ID		DUY653		DUY654		
Sampling Date		2025/10/14		2025/10/14		
COC Number		08557371		08557371		
	UNITS	FIELD BLANK	QC Batch	TRIP BLANK	RDL	QC Batch
Total Silicon (Si)	ug/L	ND	C127823	ND	50	C127823
Total Silver (Ag)	ug/L	ND	C127823	ND	0.0050	C127823
Total Strontium (Sr)	ug/L	ND	C127823	ND	0.050	C127823
Total Tellurium (Te)	ug/L	ND	C127823	ND	0.020	C127823
Total Thallium (Tl)	ug/L	ND	C127823	ND	0.0020	C127823
Total Thorium (Th)	ug/L	ND	C127823	ND	0.050	C127823
Total Tin (Sn)	ug/L	ND	C127823	ND	0.20	C127823
Total Titanium (Ti)	ug/L	ND	C127823	ND	0.50	C127823
Total Uranium (U)	ug/L	ND	C127823	ND	0.0020	C127823
Total Vanadium (V)	ug/L	ND	C127823	ND	0.20	C127823
Total Zinc (Zn)	ug/L	ND	C127823	ND	0.10	C127823
Total Zirconium (Zr)	ug/L	ND	C127823	ND	0.10	C127823
Total Calcium (Ca)	mg/L	ND	C124058	ND	0.050	C124058
Total Magnesium (Mg)	mg/L	ND	C124058	ND	0.050	C124058
Total Potassium (K)	mg/L	ND	C124058	ND	0.050	C124058
Total Sodium (Na)	mg/L	ND	C124058	ND	0.050	C124058
Total Sulphur (S)	mg/L	ND	C124058	ND	3.0	C124058
RDL = Reportable Detection Limit						
ND = Not Detected at a concentration equal or greater than the indicated Detection Limit.						



Bureau Veritas Job #: C586232  
 Report Date: 2025/10/23

HATFIELD CONSULTANTS  
 Client Project #: FORTIS11234/PE-110163  
 Site Location: WOODFIBRE PIPELINE PROJECT  
 Your P.O. #: 4800010213

**MISCELLANEOUS (WATER)**

Bureau Veritas ID		DUY648	DUY649	DUY650	DUY651	DUY652		
Sampling Date		2025/10/14	2025/10/14	2025/10/14	2025/10/14	2025/10/14		
COC Number		08557371	08557371	08557371	08557371	08557371		
	UNITS	WLNG-DS	WLNG-EOP	WLNG-US	SGRI-US	SQRI-DS	RDL	QC Batch
<b>Calculated Parameters</b>								
Total Un-ionized Hydrogen Sulfide as S	mg/L	ND	ND	ND	ND	ND	0.0018	C124846
Total Un-ionized Hydrogen Sulfide as H2S	mg/L	ND	ND	ND	ND	ND	0.0019	C124846
RDL = Reportable Detection Limit								
ND = Not Detected at a concentration equal or greater than the indicated Detection Limit.								



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

<b>Bureau Veritas ID</b>		DUY649		
<b>Sampling Date</b>		2025/10/14		
<b>COC Number</b>		08557371		
	<b>UNITS</b>	<b>WLNG-EOP</b>	<b>RDL</b>	<b>QC Batch</b>
<b>Calculated Parameters</b>				
Low Molecular Weight PAH's	ug/L	ND	0.10	C124072
High Molecular Weight PAH's	ug/L	ND	0.050	C124072
Total PAH	ug/L	ND	0.10	C124072
<b>Polycyclic Aromatics</b>				
Quinoline	ug/L	ND	0.020	C129904
Naphthalene	ug/L	ND	0.10	C129904
1-Methylnaphthalene	ug/L	ND	0.050	C129904
2-Methylnaphthalene	ug/L	ND	0.10	C129904
Acenaphthylene	ug/L	ND	0.050	C129904
Acenaphthene	ug/L	ND	0.050	C129904
Fluorene	ug/L	ND	0.050	C129904
Phenanthrene	ug/L	ND	0.050	C129904
Anthracene	ug/L	ND	0.010	C129904
Acridine	ug/L	ND	0.050	C129904
Fluoranthene	ug/L	ND	0.020	C129904
Pyrene	ug/L	ND	0.020	C129904
Benzo(a)anthracene	ug/L	ND	0.010	C129904
Chrysene	ug/L	ND	0.020	C129904
Benzo(b&j)fluoranthene	ug/L	ND	0.030	C129904
Benzo(k)fluoranthene	ug/L	ND	0.050	C129904
Benzo(a)pyrene	ug/L	ND	0.0050	C129904
Indeno(1,2,3-cd)pyrene	ug/L	ND	0.050	C129904
Dibenz(a,h)anthracene	ug/L	ND	0.0030	C129904
Benzo(g,h,i)perylene	ug/L	ND	0.050	C129904
<b>Calculated Parameters</b>				
LEPH (C10-C19 less PAH)	mg/L	ND	0.20	C124080
HEPH (C19-C32 less PAH)	mg/L	ND	0.20	C124080
<b>Ext. Pet. Hydrocarbon</b>				
EPH (C10-C19)	mg/L	ND	0.20	C129914
EPH (C19-C32)	mg/L	ND	0.20	C129914
RDL = Reportable Detection Limit ND = Not Detected at a concentration equal or greater than the indicated Detection Limit.				



Bureau Veritas Job #: C586232  
 Report Date: 2025/10/23

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)**

<b>Bureau Veritas ID</b>		DUY649		
<b>Sampling Date</b>		2025/10/14		
<b>COC Number</b>		08557371		
	<b>UNITS</b>	<b>WLNG-EOP</b>	<b>RDL</b>	<b>QC Batch</b>
<b>Surrogate Recovery (%)</b>				
O-TERPHENYL (sur.)	%	105		C129914
D10-ANTHRACENE (sur.)	%	112		C129904
D8-ACENAPHTHYLENE (sur.)	%	99		C129904
D8-NAPHTHALENE (sur.)	%	77		C129904
TERPHENYL-D14 (sur.)	%	95		C129904
RDL = Reportable Detection Limit				



**CSR VOC + VPH IN WATER (WATER)**

<b>Bureau Veritas ID</b>		DUY649		
<b>Sampling Date</b>		2025/10/14		
<b>COC Number</b>		08557371		
	<b>UNITS</b>	<b>WLNG-EOP</b>	<b>RDL</b>	<b>QC Batch</b>
<b>Calculated Parameters</b>				
VPH (VH6 to 10 - BTEX)	ug/L	ND	300	C124880
<b>Volatiles</b>				
VH C6-C10	ug/L	ND	300	C129321
1,1,1,2-tetrachloroethane	ug/L	ND	0.50	C129321
1,1,1-trichloroethane	ug/L	ND	0.50	C129321
1,1,2-tetrachloroethane	ug/L	ND	0.50	C129321
1,1,2Trichloro-1,2,2Trifluoroethane	ug/L	ND	2.0	C129321
1,1,2-trichloroethane	ug/L	ND	0.50	C129321
1,1-dichloroethane	ug/L	ND	0.50	C129321
1,1-dichloroethene	ug/L	ND	0.50	C129321
1,2,3-trichlorobenzene	ug/L	ND	2.0	C129321
1,2,4-trichlorobenzene	ug/L	ND	2.0	C129321
1,2-dibromoethane	ug/L	ND	0.20	C129321
1,2-dichlorobenzene	ug/L	ND	0.50	C129321
1,2-dichloroethane	ug/L	ND	0.50	C129321
1,2-dichloropropane	ug/L	ND	0.50	C129321
1,3,5-trimethylbenzene	ug/L	ND	2.0	C129321
1,3-Butadiene	ug/L	ND	0.50	C129321
1,3-dichlorobenzene	ug/L	ND	0.50	C129321
1,3-dichloropropane	ug/L	ND	1.0	C129321
1,4-dichlorobenzene	ug/L	ND	0.50	C129321
Benzene	ug/L	ND	0.40	C129321
Bromobenzene	ug/L	ND	2.0	C129321
Bromodichloromethane	ug/L	ND	1.0	C129321
Bromoform	ug/L	ND	1.0	C129321
Bromomethane	ug/L	ND	1.0	C129321
Carbon tetrachloride	ug/L	ND	0.50	C129321
Chlorobenzene	ug/L	ND	0.50	C129321
Dibromochloromethane	ug/L	ND	1.0	C129321
Chloroethane	ug/L	ND	1.0	C129321
Chloroform	ug/L	ND	1.0	C129321
RDL = Reportable Detection Limit ND = Not Detected at a concentration equal or greater than the indicated Detection Limit.				



**CSR VOC + VPH IN WATER (WATER)**

Bureau Veritas ID		DUY649		
Sampling Date		2025/10/14		
COC Number		08557371		
	UNITS	WLNG-EOP	RDL	QC Batch
Chloromethane	ug/L	ND	1.0	C129321
cis-1,2-dichloroethene	ug/L	ND	1.0	C129321
cis-1,3-dichloropropene	ug/L	ND	1.0	C129321
Dichlorodifluoromethane	ug/L	ND	2.0	C129321
Dichloromethane	ug/L	ND	2.0	C129321
Ethylbenzene	ug/L	ND	0.40	C129321
Hexachlorobutadiene	ug/L	ND	0.50	C129321
Isopropylbenzene	ug/L	ND	2.0	C129321
Methyl-tert-butylether (MTBE)	ug/L	ND	4.0	C129321
Styrene	ug/L	ND	0.50	C129321
Tetrachloroethene	ug/L	ND	0.50	C129321
Toluene	ug/L	ND	0.40	C129321
trans-1,2-dichloroethene	ug/L	ND	1.0	C129321
trans-1,3-dichloropropene	ug/L	ND	1.0	C129321
Trichloroethene	ug/L	ND	0.50	C129321
Trichlorofluoromethane	ug/L	ND	4.0	C129321
Vinyl chloride	ug/L	ND	0.50	C129321
m & p-Xylene	ug/L	ND	0.40	C129321
o-Xylene	ug/L	ND	0.40	C129321
Xylenes (Total)	ug/L	ND	0.40	C129321
<b>Surrogate Recovery (%)</b>				
1,4-Difluorobenzene (sur.)	%	98		C129321
4-Bromofluorobenzene (sur.)	%	74		C129321
D4-1,2-Dichloroethane (sur.)	%	88		C129321
RDL = Reportable Detection Limit ND = Not Detected at a concentration equal or greater than the indicated Detection Limit.				



**BUREAU  
VERITAS**

Bureau Veritas Job #: C586232

Report Date: 2025/10/23

HATFIELD CONSULTANTS

Client Project #: FORTIS11234/PE-110163

Site Location: WOODFIBRE PIPELINE PROJECT

Your P.O. #: 4800010213

### **GENERAL COMMENTS**

**Results relate only to the items tested.**



BUREAU  
VERITAS

Bureau Veritas Job #: C586232  
Report Date: 2025/10/23

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
C125944	VMP	Matrix Spike [DUY653-01]	Total Suspended Solids	2025/10/17		96	%	80 - 120
C125944	VMP	Spiked Blank	Total Suspended Solids	2025/10/17		96	%	80 - 120
C125944	VMP	Method Blank	Total Suspended Solids	2025/10/17	ND, RDL=1.0		mg/L	
C125944	VMP	RPD [DUY648-01]	Total Suspended Solids	2025/10/17	12		%	20
C125978	VMP	Matrix Spike	Total Suspended Solids	2025/10/17		101	%	80 - 120
C125978	VMP	Spiked Blank	Total Suspended Solids	2025/10/17		100	%	80 - 120
C125978	VMP	Method Blank	Total Suspended Solids	2025/10/17	ND, RDL=1.0		mg/L	
C125978	VMP	RPD	Total Suspended Solids	2025/10/17	5.1		%	20
C125997	IC4	Matrix Spike	Dissolved Mercury (Hg)	2025/10/16		118	%	80 - 120
C125997	IC4	Spiked Blank	Dissolved Mercury (Hg)	2025/10/16		105	%	80 - 120
C125997	IC4	Method Blank	Dissolved Mercury (Hg)	2025/10/16	ND, RDL=0.0019		ug/L	
C125997	IC4	RPD	Dissolved Mercury (Hg)	2025/10/16	NC		%	20
C126018	JLP	Spiked Blank	Alkalinity (Total as CaCO3)	2025/10/18		99	%	80 - 120
C126018	JLP	Method Blank	Alkalinity (PP as CaCO3)	2025/10/18	ND, RDL=1.0		mg/L	
			Alkalinity (Total as CaCO3)	2025/10/18	ND, RDL=1.0		mg/L	
			Bicarbonate (HCO3)	2025/10/18	ND, RDL=1.0		mg/L	
			Carbonate (CO3)	2025/10/18	ND, RDL=1.0		mg/L	
			Hydroxide (OH)	2025/10/18	ND, RDL=1.0		mg/L	
C126018	JLP	RPD	Alkalinity (PP as CaCO3)	2025/10/18	NC		%	20
			Alkalinity (Total as CaCO3)	2025/10/18	2.0		%	20
			Bicarbonate (HCO3)	2025/10/18	2.0		%	20
			Carbonate (CO3)	2025/10/18	NC		%	20
			Hydroxide (OH)	2025/10/18	NC		%	20
C126093	CBK	Matrix Spike	Chloride (Cl)	2025/10/16		111	%	80 - 120
			Sulphate (SO4)	2025/10/16		107	%	80 - 120
C126093	CBK	Spiked Blank	Chloride (Cl)	2025/10/16		98	%	80 - 120
			Sulphate (SO4)	2025/10/16		99	%	80 - 120
C126093	CBK	Method Blank	Chloride (Cl)	2025/10/16	ND, RDL=1.0		mg/L	
			Sulphate (SO4)	2025/10/16	ND, RDL=1.0		mg/L	
C126093	CBK	RPD	Chloride (Cl)	2025/10/16	NC		%	20
			Sulphate (SO4)	2025/10/16	0.23		%	20
C126098	JLP	Spiked Blank	pH	2025/10/18		100	%	97 - 103
C126098	JLP	RPD	pH	2025/10/18	3.0		%	N/A
C126127	JGL	Matrix Spike	Nitrate plus Nitrite (N)	2025/10/16		NC	%	80 - 120
C126127	JGL	Spiked Blank	Nitrate plus Nitrite (N)	2025/10/16		115	%	80 - 120
C126127	JGL	Method Blank	Nitrate plus Nitrite (N)	2025/10/16	ND, RDL=0.020		mg/L	
C126127	JGL	RPD	Nitrate plus Nitrite (N)	2025/10/16	0.19		%	25
C126130	JGL	Matrix Spike	Nitrite (N)	2025/10/16		111	%	80 - 120
C126130	JGL	Spiked Blank	Nitrite (N)	2025/10/16		104	%	80 - 120
C126130	JGL	Method Blank	Nitrite (N)	2025/10/16	ND, RDL=0.0050		mg/L	
C126130	JGL	RPD	Nitrite (N)	2025/10/16	NC		%	20



BUREAU  
VERITAS

Bureau Veritas Job #: C586232  
Report Date: 2025/10/23

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
C126306	JGL	Matrix Spike	Nitrate plus Nitrite (N)	2025/10/16		105	%	80 - 120
C126306	JGL	Spiked Blank	Nitrate plus Nitrite (N)	2025/10/16		112	%	80 - 120
C126306	JGL	Method Blank	Nitrate plus Nitrite (N)	2025/10/16	ND, RDL=0.020		mg/L	
C126306	JGL	RPD	Nitrate plus Nitrite (N)	2025/10/16	6.2		%	25
C126327	JGL	Matrix Spike	Nitrite (N)	2025/10/16		100	%	80 - 120
C126327	JGL	Spiked Blank	Nitrite (N)	2025/10/16		106	%	80 - 120
C126327	JGL	Method Blank	Nitrite (N)	2025/10/16	ND, RDL=0.0050		mg/L	
C126327	JGL	RPD	Nitrite (N)	2025/10/16	NC		%	20
C127251	JBN	Matrix Spike	Bromide (Br)	2025/10/17		93	%	78 - 120
C127251	JBN	Spiked Blank	Bromide (Br)	2025/10/17		92	%	80 - 120
C127251	JBN	Method Blank	Bromide (Br)	2025/10/17	ND, RDL=0.010		mg/L	
C127251	JBN	RPD	Bromide (Br)	2025/10/17	1.3		%	20
C127258	JBN	Matrix Spike	Bromide (Br)	2025/10/17		97	%	78 - 120
C127258	JBN	Spiked Blank	Bromide (Br)	2025/10/17		107	%	80 - 120
C127258	JBN	Method Blank	Bromide (Br)	2025/10/17	ND, RDL=0.010		mg/L	
C127258	JBN	RPD	Bromide (Br)	2025/10/17	NC		%	20
C127307	GCM	Matrix Spike [DUY653-05]	Total Phosphorus (P)	2025/10/18		107	%	N/A
C127307	GCM	Spiked Blank	Total Phosphorus (P)	2025/10/18		118	%	80 - 120
C127307	GCM	Method Blank	Total Phosphorus (P)	2025/10/18	ND, RDL=0.0010		mg/L	
C127307	GCM	RPD [DUY653-05]	Total Phosphorus (P)	2025/10/18	NC		%	20
C127612	AA1	Matrix Spike	Dissolved Aluminum (Al)	2025/10/17		95	%	80 - 120
			Dissolved Antimony (Sb)	2025/10/17		96	%	80 - 120
			Dissolved Arsenic (As)	2025/10/17		101	%	80 - 120
			Dissolved Barium (Ba)	2025/10/17		99	%	80 - 120
			Dissolved Beryllium (Be)	2025/10/17		104	%	80 - 120
			Dissolved Bismuth (Bi)	2025/10/17		94	%	80 - 120
			Dissolved Boron (B)	2025/10/17		104	%	80 - 120
			Dissolved Cadmium (Cd)	2025/10/17		99	%	80 - 120
			Dissolved Cesium (Cs)	2025/10/17		100	%	80 - 120
			Dissolved Chromium (Cr)	2025/10/17		100	%	80 - 120
			Dissolved Cobalt (Co)	2025/10/17		92	%	80 - 120
			Dissolved Copper (Cu)	2025/10/17		93	%	80 - 120
			Dissolved Iron (Fe)	2025/10/17		98	%	80 - 120
			Dissolved Lead (Pb)	2025/10/17		95	%	80 - 120
			Dissolved Lithium (Li)	2025/10/17		100	%	80 - 120
			Dissolved Manganese (Mn)	2025/10/17		98	%	80 - 120
			Dissolved Molybdenum (Mo)	2025/10/17		NC	%	80 - 120
			Dissolved Nickel (Ni)	2025/10/17		96	%	80 - 120
			Dissolved Phosphorus (P)	2025/10/17		101	%	80 - 120
			Dissolved Rubidium (Rb)	2025/10/17		100	%	80 - 120
			Dissolved Selenium (Se)	2025/10/17		99	%	80 - 120
			Dissolved Silicon (Si)	2025/10/17		98	%	80 - 120
			Dissolved Silver (Ag)	2025/10/17		98	%	80 - 120
			Dissolved Strontium (Sr)	2025/10/17		NC	%	80 - 120
			Dissolved Tellurium (Te)	2025/10/17		104	%	80 - 120
			Dissolved Thallium (Tl)	2025/10/17		96	%	80 - 120
			Dissolved Thorium (Th)	2025/10/17		99	%	80 - 120
			Dissolved Tin (Sn)	2025/10/17		96	%	80 - 120



**QUALITY ASSURANCE REPORT(CONT'D)**

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
C127612	AA1	Spiked Blank	Dissolved Titanium (Ti)	2025/10/17		101	%	80 - 120
			Dissolved Uranium (U)	2025/10/17		101	%	80 - 120
			Dissolved Vanadium (V)	2025/10/17		102	%	80 - 120
			Dissolved Zinc (Zn)	2025/10/17		98	%	80 - 120
			Dissolved Zirconium (Zr)	2025/10/17		100	%	80 - 120
			Dissolved Aluminum (Al)	2025/10/17		99	%	80 - 120
			Dissolved Antimony (Sb)	2025/10/17		100	%	80 - 120
			Dissolved Arsenic (As)	2025/10/17		102	%	80 - 120
			Dissolved Barium (Ba)	2025/10/17		100	%	80 - 120
			Dissolved Beryllium (Be)	2025/10/17		107	%	80 - 120
			Dissolved Bismuth (Bi)	2025/10/17		97	%	80 - 120
			Dissolved Boron (B)	2025/10/17		108	%	80 - 120
			Dissolved Cadmium (Cd)	2025/10/17		99	%	80 - 120
			Dissolved Cesium (Cs)	2025/10/17		102	%	80 - 120
			Dissolved Chromium (Cr)	2025/10/17		102	%	80 - 120
			Dissolved Cobalt (Co)	2025/10/17		96	%	80 - 120
			Dissolved Copper (Cu)	2025/10/17		97	%	80 - 120
			Dissolved Iron (Fe)	2025/10/17		99	%	80 - 120
			Dissolved Lead (Pb)	2025/10/17		96	%	80 - 120
			Dissolved Lithium (Li)	2025/10/17		104	%	80 - 120
			Dissolved Manganese (Mn)	2025/10/17		101	%	80 - 120
			Dissolved Molybdenum (Mo)	2025/10/17		100	%	80 - 120
			Dissolved Nickel (Ni)	2025/10/17		100	%	80 - 120
			Dissolved Phosphorus (P)	2025/10/17		101	%	80 - 120
			Dissolved Rubidium (Rb)	2025/10/17		98	%	80 - 120
			Dissolved Selenium (Se)	2025/10/17		96	%	80 - 120
			Dissolved Silicon (Si)	2025/10/17		99	%	80 - 120
Dissolved Silver (Ag)	2025/10/17		96	%	80 - 120			
Dissolved Strontium (Sr)	2025/10/17		101	%	80 - 120			
Dissolved Tellurium (Te)	2025/10/17		104	%	80 - 120			
Dissolved Thallium (Tl)	2025/10/17		98	%	80 - 120			
Dissolved Thorium (Th)	2025/10/17		99	%	80 - 120			
Dissolved Tin (Sn)	2025/10/17		98	%	80 - 120			
Dissolved Titanium (Ti)	2025/10/17		103	%	80 - 120			
Dissolved Uranium (U)	2025/10/17		100	%	80 - 120			
Dissolved Vanadium (V)	2025/10/17		101	%	80 - 120			
Dissolved Zinc (Zn)	2025/10/17		114	%	80 - 120			
Dissolved Zirconium (Zr)	2025/10/17		101	%	80 - 120			
C127612	AA1	Method Blank	Dissolved Aluminum (Al)	2025/10/17	ND, RDL=0.50		ug/L	
			Dissolved Antimony (Sb)	2025/10/17	ND, RDL=0.020		ug/L	
			Dissolved Arsenic (As)	2025/10/17	ND, RDL=0.020		ug/L	
			Dissolved Barium (Ba)	2025/10/17	ND, RDL=0.020		ug/L	
			Dissolved Beryllium (Be)	2025/10/17	ND, RDL=0.010		ug/L	
			Dissolved Bismuth (Bi)	2025/10/17	ND, RDL=0.0050		ug/L	
			Dissolved Boron (B)	2025/10/17	ND, RDL=10		ug/L	



**QUALITY ASSURANCE REPORT(CONT'D)**

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
			Dissolved Cadmium (Cd)	2025/10/17	ND, RDL=0.0050		ug/L	
			Dissolved Cesium (Cs)	2025/10/17	ND, RDL=0.050		ug/L	
			Dissolved Chromium (Cr)	2025/10/17	ND, RDL=0.10		ug/L	
			Dissolved Cobalt (Co)	2025/10/17	ND, RDL=0.0050		ug/L	
			Dissolved Copper (Cu)	2025/10/17	ND, RDL=0.050		ug/L	
			Dissolved Iron (Fe)	2025/10/17	ND, RDL=1.0		ug/L	
			Dissolved Lead (Pb)	2025/10/17	ND, RDL=0.0050		ug/L	
			Dissolved Lithium (Li)	2025/10/17	ND, RDL=0.50		ug/L	
			Dissolved Manganese (Mn)	2025/10/17	ND, RDL=0.050		ug/L	
			Dissolved Molybdenum (Mo)	2025/10/17	ND, RDL=0.050		ug/L	
			Dissolved Nickel (Ni)	2025/10/17	ND, RDL=0.020		ug/L	
			Dissolved Phosphorus (P)	2025/10/17	ND, RDL=2.0		ug/L	
			Dissolved Rubidium (Rb)	2025/10/17	ND, RDL=0.050		ug/L	
			Dissolved Selenium (Se)	2025/10/17	ND, RDL=0.040		ug/L	
			Dissolved Silicon (Si)	2025/10/17	ND, RDL=50		ug/L	
			Dissolved Silver (Ag)	2025/10/17	ND, RDL=0.0050		ug/L	
			Dissolved Strontium (Sr)	2025/10/17	ND, RDL=0.050		ug/L	
			Dissolved Tellurium (Te)	2025/10/17	ND, RDL=0.020		ug/L	
			Dissolved Thallium (Tl)	2025/10/17	ND, RDL=0.0020		ug/L	
			Dissolved Thorium (Th)	2025/10/17	0.0052, RDL=0.0050 (1)		ug/L	
			Dissolved Tin (Sn)	2025/10/17	ND, RDL=0.20		ug/L	
			Dissolved Titanium (Ti)	2025/10/17	ND, RDL=0.50		ug/L	
			Dissolved Uranium (U)	2025/10/17	ND, RDL=0.0020		ug/L	
			Dissolved Vanadium (V)	2025/10/17	ND, RDL=0.20		ug/L	
			Dissolved Zinc (Zn)	2025/10/17	ND, RDL=0.10		ug/L	
			Dissolved Zirconium (Zr)	2025/10/17	ND, RDL=0.10		ug/L	
C127612	AA1	RPD	Dissolved Aluminum (Al)	2025/10/17	4.2		%	20
			Dissolved Antimony (Sb)	2025/10/17	0.66		%	20



**QUALITY ASSURANCE REPORT(CONT'D)**

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
			Dissolved Arsenic (As)	2025/10/17	0.35		%	20
			Dissolved Barium (Ba)	2025/10/17	0.35		%	20
			Dissolved Beryllium (Be)	2025/10/17	NC		%	20
			Dissolved Boron (B)	2025/10/17	1.3		%	20
			Dissolved Cadmium (Cd)	2025/10/17	NC		%	20
			Dissolved Chromium (Cr)	2025/10/17	NC		%	20
			Dissolved Cobalt (Co)	2025/10/17	4.5		%	20
			Dissolved Copper (Cu)	2025/10/17	5.9		%	20
			Dissolved Iron (Fe)	2025/10/17	0.80		%	20
			Dissolved Lead (Pb)	2025/10/17	NC		%	20
			Dissolved Lithium (Li)	2025/10/17	1.1		%	20
			Dissolved Manganese (Mn)	2025/10/17	6.7		%	20
			Dissolved Molybdenum (Mo)	2025/10/17	0.24		%	20
			Dissolved Nickel (Ni)	2025/10/17	0.099		%	20
			Dissolved Selenium (Se)	2025/10/17	0.35		%	20
			Dissolved Silver (Ag)	2025/10/17	NC		%	20
			Dissolved Strontium (Sr)	2025/10/17	0.89		%	20
			Dissolved Thallium (Tl)	2025/10/17	0.52		%	20
			Dissolved Tin (Sn)	2025/10/17	NC		%	20
			Dissolved Titanium (Ti)	2025/10/17	NC		%	20
			Dissolved Uranium (U)	2025/10/17	0.56		%	20
			Dissolved Vanadium (V)	2025/10/17	NC		%	20
			Dissolved Zinc (Zn)	2025/10/17	9.7		%	20
			Dissolved Aluminum (Al)	2025/10/17	NC		%	20
			Dissolved Antimony (Sb)	2025/10/17	NC		%	20
			Dissolved Arsenic (As)	2025/10/17	NC		%	20
			Dissolved Barium (Ba)	2025/10/17	NC		%	20
			Dissolved Beryllium (Be)	2025/10/17	NC		%	20
			Dissolved Boron (B)	2025/10/17	NC		%	20
			Dissolved Cadmium (Cd)	2025/10/17	NC		%	20
			Dissolved Chromium (Cr)	2025/10/17	NC		%	20
			Dissolved Cobalt (Co)	2025/10/17	NC		%	20
			Dissolved Copper (Cu)	2025/10/17	NC		%	20
			Dissolved Iron (Fe)	2025/10/17	NC		%	20
			Dissolved Lead (Pb)	2025/10/17	NC		%	20
			Dissolved Lithium (Li)	2025/10/17	NC		%	20
			Dissolved Manganese (Mn)	2025/10/17	NC		%	20
			Dissolved Molybdenum (Mo)	2025/10/17	NC		%	20
			Dissolved Nickel (Ni)	2025/10/17	NC		%	20
			Dissolved Selenium (Se)	2025/10/17	NC		%	20
			Dissolved Silver (Ag)	2025/10/17	NC		%	20
			Dissolved Strontium (Sr)	2025/10/17	NC		%	20
			Dissolved Thallium (Tl)	2025/10/17	NC		%	20
			Dissolved Tin (Sn)	2025/10/17	NC		%	20
			Dissolved Titanium (Ti)	2025/10/17	NC		%	20
			Dissolved Uranium (U)	2025/10/17	NC		%	20
			Dissolved Vanadium (V)	2025/10/17	NC		%	20
			Dissolved Zinc (Zn)	2025/10/17	NC		%	20
C127823	AA1	Matrix Spike	Total Aluminum (Al)	2025/10/17		107	%	80 - 120
			Total Antimony (Sb)	2025/10/17		101	%	80 - 120
			Total Arsenic (As)	2025/10/17		104	%	80 - 120
			Total Barium (Ba)	2025/10/17		103	%	80 - 120
			Total Beryllium (Be)	2025/10/17		108	%	80 - 120



**QUALITY ASSURANCE REPORT(CONT'D)**

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
			Total Bismuth (Bi)	2025/10/17		97	%	80 - 120
			Total Boron (B)	2025/10/17		115	%	80 - 120
			Total Cadmium (Cd)	2025/10/17		101	%	80 - 120
			Total Cesium (Cs)	2025/10/17		102	%	80 - 120
			Total Chromium (Cr)	2025/10/17		101	%	80 - 120
			Total Cobalt (Co)	2025/10/17		96	%	80 - 120
			Total Copper (Cu)	2025/10/17		96	%	80 - 120
			Total Iron (Fe)	2025/10/17		101	%	80 - 120
			Total Lead (Pb)	2025/10/17		98	%	80 - 120
			Total Lithium (Li)	2025/10/17		102	%	80 - 120
			Total Manganese (Mn)	2025/10/17		102	%	80 - 120
			Total Molybdenum (Mo)	2025/10/17		102	%	80 - 120
			Total Nickel (Ni)	2025/10/17		100	%	80 - 120
			Total Phosphorus (P)	2025/10/17		106	%	80 - 120
			Total Rubidium (Rb)	2025/10/17		101	%	80 - 120
			Total Selenium (Se)	2025/10/17		101	%	80 - 120
			Total Silicon (Si)	2025/10/17		108	%	80 - 120
			Total Silver (Ag)	2025/10/17		97	%	80 - 120
			Total Strontium (Sr)	2025/10/17		105	%	80 - 120
			Total Tellurium (Te)	2025/10/17		101	%	80 - 120
			Total Thallium (Tl)	2025/10/17		97	%	80 - 120
			Total Thorium (Th)	2025/10/17		101	%	80 - 120
			Total Tin (Sn)	2025/10/17		100	%	80 - 120
			Total Titanium (Ti)	2025/10/17		103	%	80 - 120
			Total Uranium (U)	2025/10/17		103	%	80 - 120
			Total Vanadium (V)	2025/10/17		102	%	80 - 120
			Total Zinc (Zn)	2025/10/17		101	%	80 - 120
			Total Zirconium (Zr)	2025/10/17		105	%	80 - 120
C127823	AA1	Spiked Blank	Total Aluminum (Al)	2025/10/17		102	%	80 - 120
			Total Antimony (Sb)	2025/10/17		100	%	80 - 120
			Total Arsenic (As)	2025/10/17		101	%	80 - 120
			Total Barium (Ba)	2025/10/17		100	%	80 - 120
			Total Beryllium (Be)	2025/10/17		104	%	80 - 120
			Total Bismuth (Bi)	2025/10/17		96	%	80 - 120
			Total Boron (B)	2025/10/17		109	%	80 - 120
			Total Cadmium (Cd)	2025/10/17		99	%	80 - 120
			Total Cesium (Cs)	2025/10/17		100	%	80 - 120
			Total Chromium (Cr)	2025/10/17		99	%	80 - 120
			Total Cobalt (Co)	2025/10/17		92	%	80 - 120
			Total Copper (Cu)	2025/10/17		96	%	80 - 120
			Total Iron (Fe)	2025/10/17		100	%	80 - 120
			Total Lead (Pb)	2025/10/17		98	%	80 - 120
			Total Lithium (Li)	2025/10/17		102	%	80 - 120
			Total Manganese (Mn)	2025/10/17		99	%	80 - 120
			Total Molybdenum (Mo)	2025/10/17		99	%	80 - 120
			Total Nickel (Ni)	2025/10/17		97	%	80 - 120
			Total Phosphorus (P)	2025/10/17		102	%	80 - 120
			Total Rubidium (Rb)	2025/10/17		98	%	80 - 120
			Total Selenium (Se)	2025/10/17		99	%	80 - 120
			Total Silicon (Si)	2025/10/17		106	%	80 - 120
			Total Silver (Ag)	2025/10/17		95	%	80 - 120
			Total Strontium (Sr)	2025/10/17		102	%	80 - 120
			Total Tellurium (Te)	2025/10/17		100	%	80 - 120



**QUALITY ASSURANCE REPORT(CONT'D)**

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
			Total Thallium (Tl)	2025/10/17		95	%	80 - 120
			Total Thorium (Th)	2025/10/17		99	%	80 - 120
			Total Tin (Sn)	2025/10/17		101	%	80 - 120
			Total Titanium (Ti)	2025/10/17		100	%	80 - 120
			Total Uranium (U)	2025/10/17		102	%	80 - 120
			Total Vanadium (V)	2025/10/17		97	%	80 - 120
			Total Zinc (Zn)	2025/10/17		110	%	80 - 120
			Total Zirconium (Zr)	2025/10/17		99	%	80 - 120
C127823	AA1	Method Blank	Total Aluminum (Al)	2025/10/17	ND, RDL=0.50		ug/L	
			Total Antimony (Sb)	2025/10/17	ND, RDL=0.020		ug/L	
			Total Arsenic (As)	2025/10/17	ND, RDL=0.020		ug/L	
			Total Barium (Ba)	2025/10/17	ND, RDL=0.020		ug/L	
			Total Beryllium (Be)	2025/10/17	ND, RDL=0.010		ug/L	
			Total Bismuth (Bi)	2025/10/17	ND, RDL=0.0050		ug/L	
			Total Boron (B)	2025/10/17	ND, RDL=10		ug/L	
			Total Cadmium (Cd)	2025/10/17	ND, RDL=0.0050		ug/L	
			Total Cesium (Cs)	2025/10/17	ND, RDL=0.050		ug/L	
			Total Chromium (Cr)	2025/10/17	ND, RDL=0.10		ug/L	
			Total Cobalt (Co)	2025/10/17	ND, RDL=0.0050		ug/L	
			Total Copper (Cu)	2025/10/17	ND, RDL=0.050		ug/L	
			Total Iron (Fe)	2025/10/17	ND, RDL=1.0		ug/L	
			Total Lead (Pb)	2025/10/17	ND, RDL=0.0050		ug/L	
			Total Lithium (Li)	2025/10/17	ND, RDL=0.50		ug/L	
			Total Manganese (Mn)	2025/10/17	ND, RDL=0.050		ug/L	
			Total Molybdenum (Mo)	2025/10/17	ND, RDL=0.050		ug/L	
			Total Nickel (Ni)	2025/10/17	ND, RDL=0.020		ug/L	
			Total Phosphorus (P)	2025/10/17	ND, RDL=2.0		ug/L	
			Total Rubidium (Rb)	2025/10/17	ND, RDL=0.050		ug/L	
			Total Selenium (Se)	2025/10/17	ND, RDL=0.040		ug/L	
			Total Silicon (Si)	2025/10/17	ND, RDL=50		ug/L	
			Total Silver (Ag)	2025/10/17	ND, RDL=0.0050		ug/L	



**QUALITY ASSURANCE REPORT(CONT'D)**

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
			Total Strontium (Sr)	2025/10/17	ND, RDL=0.050		ug/L	
			Total Tellurium (Te)	2025/10/17	ND, RDL=0.020		ug/L	
			Total Thallium (Tl)	2025/10/17	ND, RDL=0.0020		ug/L	
			Total Thorium (Th)	2025/10/17	ND, RDL=0.050		ug/L	
			Total Tin (Sn)	2025/10/17	ND, RDL=0.20		ug/L	
			Total Titanium (Ti)	2025/10/17	ND, RDL=0.50		ug/L	
			Total Uranium (U)	2025/10/17	ND, RDL=0.0020		ug/L	
			Total Vanadium (V)	2025/10/17	ND, RDL=0.20		ug/L	
			Total Zinc (Zn)	2025/10/17	ND, RDL=0.10		ug/L	
			Total Zirconium (Zr)	2025/10/17	ND, RDL=0.10		ug/L	
C127823	AA1	RPD	Total Phosphorus (P)	2025/10/17	NC		%	20
			Total Zinc (Zn)	2025/10/17	NC		%	20
			Total Aluminum (Al)	2025/10/17	NC		%	20
			Total Antimony (Sb)	2025/10/17	NC		%	20
			Total Arsenic (As)	2025/10/17	NC		%	20
			Total Barium (Ba)	2025/10/17	NC		%	20
			Total Beryllium (Be)	2025/10/17	NC		%	20
			Total Boron (B)	2025/10/17	NC		%	20
			Total Cadmium (Cd)	2025/10/17	NC		%	20
			Total Chromium (Cr)	2025/10/17	NC		%	20
			Total Cobalt (Co)	2025/10/17	NC		%	20
			Total Copper (Cu)	2025/10/17	NC		%	20
			Total Iron (Fe)	2025/10/17	NC		%	20
			Total Lead (Pb)	2025/10/17	NC		%	20
			Total Lithium (Li)	2025/10/17	NC		%	20
			Total Manganese (Mn)	2025/10/17	NC		%	20
			Total Molybdenum (Mo)	2025/10/17	NC		%	20
			Total Nickel (Ni)	2025/10/17	NC		%	20
			Total Selenium (Se)	2025/10/17	NC		%	20
			Total Silver (Ag)	2025/10/17	NC		%	20
			Total Strontium (Sr)	2025/10/17	NC		%	20
			Total Thallium (Tl)	2025/10/17	NC		%	20
			Total Tin (Sn)	2025/10/17	NC		%	20
			Total Titanium (Ti)	2025/10/17	NC		%	20
			Total Uranium (U)	2025/10/17	NC		%	20
			Total Vanadium (V)	2025/10/17	NC		%	20
			Total Zinc (Zn)	2025/10/17	NC		%	20
			Total Aluminum (Al)	2025/10/17	2.9		%	20
			Total Antimony (Sb)	2025/10/17	NC		%	20
			Total Arsenic (As)	2025/10/17	NC		%	20
			Total Barium (Ba)	2025/10/17	NC		%	20
			Total Beryllium (Be)	2025/10/17	NC		%	20
			Total Boron (B)	2025/10/17	NC		%	20



**QUALITY ASSURANCE REPORT(CONT'D)**

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
			Total Cadmium (Cd)	2025/10/17	NC		%	20
			Total Chromium (Cr)	2025/10/17	NC		%	20
			Total Cobalt (Co)	2025/10/17	NC		%	20
			Total Copper (Cu)	2025/10/17	NC		%	20
			Total Iron (Fe)	2025/10/17	12		%	20
			Total Lead (Pb)	2025/10/17	NC		%	20
			Total Lithium (Li)	2025/10/17	NC		%	20
			Total Manganese (Mn)	2025/10/17	NC		%	20
			Total Molybdenum (Mo)	2025/10/17	NC		%	20
			Total Nickel (Ni)	2025/10/17	NC		%	20
			Total Selenium (Se)	2025/10/17	NC		%	20
			Total Silver (Ag)	2025/10/17	NC		%	20
			Total Strontium (Sr)	2025/10/17	NC		%	20
			Total Thallium (Tl)	2025/10/17	NC		%	20
			Total Tin (Sn)	2025/10/17	NC		%	20
			Total Titanium (Ti)	2025/10/17	NC		%	20
			Total Uranium (U)	2025/10/17	NC		%	20
			Total Vanadium (V)	2025/10/17	NC		%	20
			Total Zinc (Zn)	2025/10/17	10		%	20
			Total Aluminum (Al)	2025/10/17	11		%	20
			Total Antimony (Sb)	2025/10/17	NC		%	20
			Total Arsenic (As)	2025/10/17	NC		%	20
			Total Barium (Ba)	2025/10/17	16		%	20
			Total Beryllium (Be)	2025/10/17	NC		%	20
			Total Boron (B)	2025/10/17	NC		%	20
			Total Cadmium (Cd)	2025/10/17	NC		%	20
			Total Chromium (Cr)	2025/10/17	NC		%	20
			Total Cobalt (Co)	2025/10/17	NC		%	20
			Total Copper (Cu)	2025/10/17	6.4		%	20
			Total Iron (Fe)	2025/10/17	14		%	20
			Total Lead (Pb)	2025/10/17	4.1		%	20
			Total Lithium (Li)	2025/10/17	NC		%	20
			Total Manganese (Mn)	2025/10/17	NC		%	20
			Total Molybdenum (Mo)	2025/10/17	NC		%	20
			Total Nickel (Ni)	2025/10/17	NC		%	20
			Total Selenium (Se)	2025/10/17	NC		%	20
			Total Silver (Ag)	2025/10/17	NC		%	20
			Total Strontium (Sr)	2025/10/17	13		%	20
			Total Thallium (Tl)	2025/10/17	NC		%	20
			Total Tin (Sn)	2025/10/17	NC		%	20
			Total Titanium (Ti)	2025/10/17	NC		%	20
			Total Uranium (U)	2025/10/17	NC		%	20
			Total Vanadium (V)	2025/10/17	NC		%	20
			Total Zinc (Zn)	2025/10/17	0.19		%	20
			Total Aluminum (Al)	2025/10/17	NC		%	20
			Total Antimony (Sb)	2025/10/17	NC		%	20
			Total Arsenic (As)	2025/10/17	NC		%	20
			Total Barium (Ba)	2025/10/17	NC		%	20
			Total Beryllium (Be)	2025/10/17	NC		%	20
			Total Bismuth (Bi)	2025/10/17	NC		%	20
			Total Boron (B)	2025/10/17	NC		%	20
			Total Cadmium (Cd)	2025/10/17	NC		%	20
			Total Chromium (Cr)	2025/10/17	NC		%	20



**QUALITY ASSURANCE REPORT(CONT'D)**

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
			Total Cobalt (Co)	2025/10/17	NC		%	20
			Total Copper (Cu)	2025/10/17	NC		%	20
			Total Iron (Fe)	2025/10/17	NC		%	20
			Total Lead (Pb)	2025/10/17	NC		%	20
			Total Lithium (Li)	2025/10/17	NC		%	20
			Total Manganese (Mn)	2025/10/17	NC		%	20
			Total Molybdenum (Mo)	2025/10/17	NC		%	20
			Total Nickel (Ni)	2025/10/17	NC		%	20
			Total Selenium (Se)	2025/10/17	NC		%	20
			Total Silicon (Si)	2025/10/17	NC		%	20
			Total Silver (Ag)	2025/10/17	NC		%	20
			Total Strontium (Sr)	2025/10/17	12		%	20
			Total Tellurium (Te)	2025/10/17	NC		%	20
			Total Thallium (Tl)	2025/10/17	NC		%	20
			Total Tin (Sn)	2025/10/17	NC		%	20
			Total Titanium (Ti)	2025/10/17	NC		%	20
			Total Uranium (U)	2025/10/17	NC		%	20
			Total Vanadium (V)	2025/10/17	NC		%	20
			Total Zinc (Zn)	2025/10/17	3.7		%	20
			Total Zirconium (Zr)	2025/10/17	NC		%	20
C127884	IC4	Matrix Spike	Total Mercury (Hg)	2025/10/17		114	%	80 - 120
C127884	IC4	Spiked Blank	Total Mercury (Hg)	2025/10/17		113	%	80 - 120
C127884	IC4	Method Blank	Total Mercury (Hg)	2025/10/17	ND, RDL=0.0019		ug/L	
C127884	IC4	RPD	Total Mercury (Hg)	2025/10/17	4.9		%	20
C128135	C2L	Matrix Spike	Total Ammonia (N)	2025/10/20		103	%	80 - 120
C128135	C2L	Spiked Blank	Total Ammonia (N)	2025/10/20		103	%	80 - 120
C128135	C2L	Method Blank	Total Ammonia (N)	2025/10/20	ND, RDL=0.015		mg/L	
C128135	C2L	RPD	Total Ammonia (N)	2025/10/20	3.8		%	20
C128142	C2L	Matrix Spike [DUY653-10]	Total Ammonia (N)	2025/10/20		101	%	80 - 120
C128142	C2L	Spiked Blank	Total Ammonia (N)	2025/10/20		103	%	80 - 120
C128142	C2L	Method Blank	Total Ammonia (N)	2025/10/20	ND, RDL=0.015		mg/L	
C128142	C2L	RPD [DUY653-10]	Total Ammonia (N)	2025/10/20	NC		%	20
C128172	KA5	Matrix Spike [DUY654-01]	Total Suspended Solids	2025/10/20		102	%	80 - 120
C128172	KA5	Spiked Blank	Total Suspended Solids	2025/10/20		102	%	80 - 120
C128172	KA5	Method Blank	Total Suspended Solids	2025/10/20	ND, RDL=1.0		mg/L	
C128172	KA5	RPD	Total Suspended Solids	2025/10/20	0		%	20
C128288	VMP	Matrix Spike	Total Dissolved Solids	2025/10/18		102	%	80 - 120
C128288	VMP	Spiked Blank	Total Dissolved Solids	2025/10/18		98	%	80 - 120
C128288	VMP	Method Blank	Total Dissolved Solids	2025/10/18	ND, RDL=10		mg/L	
C128288	VMP	RPD	Total Dissolved Solids	2025/10/18	0		%	20
C128530	AAX	Matrix Spike	Methyl Sulfone (sur.)	2025/10/21		85	%	50 - 140
			Ethylene Glycol	2025/10/21		86	%	60 - 140
			Diethylene Glycol	2025/10/21		102	%	60 - 140
			Triethylene Glycol	2025/10/21		95	%	60 - 140
			Propylene Glycol	2025/10/21		85	%	60 - 140
C128530	AAX	Spiked Blank	Methyl Sulfone (sur.)	2025/10/21		83	%	50 - 140
			Ethylene Glycol	2025/10/21		77	%	70 - 130
			Diethylene Glycol	2025/10/21		94	%	70 - 130



**QUALITY ASSURANCE REPORT(CONT'D)**

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits	
C128530	AAX	Method Blank	Triethylene Glycol	2025/10/21		86	%	70 - 130	
			Propylene Glycol	2025/10/21		79	%	70 - 130	
			Methyl Sulfone (sur.)	2025/10/21		88	%	50 - 140	
			Ethylene Glycol	2025/10/21	ND, RDL=3.0			mg/L	
			Diethylene Glycol	2025/10/21	ND, RDL=5.0			mg/L	
			Triethylene Glycol	2025/10/21	ND, RDL=5.0			mg/L	
			Propylene Glycol	2025/10/21	ND, RDL=5.0			mg/L	
C128530	AAX	RPD	Ethylene Glycol	2025/10/21	NC		%	30	
			Diethylene Glycol	2025/10/21	NC		%	30	
			Triethylene Glycol	2025/10/21	NC		%	30	
			Propylene Glycol	2025/10/21	NC		%	30	
C129160	MDO	Matrix Spike	Phenols	2025/10/19		107	%	80 - 120	
C129160	MDO	Spiked Blank	Phenols	2025/10/19		103	%	80 - 120	
C129160	MDO	Method Blank	Phenols	2025/10/19	ND, RDL=0.0015		mg/L		
C129160	MDO	RPD	Phenols	2025/10/19	NC		%	20	
C129321	DWL	Matrix Spike	1,4-Difluorobenzene (sur.)	2025/10/21		99	%	50 - 140	
			4-Bromofluorobenzene (sur.)	2025/10/21		107	%	50 - 140	
			D4-1,2-Dichloroethane (sur.)	2025/10/21		89	%	50 - 140	
			1,1,1,2-tetrachloroethane	2025/10/21		86	%	50 - 140	
			1,1,1-trichloroethane	2025/10/21		91	%	50 - 140	
			1,1,2,2-tetrachloroethane	2025/10/21		85	%	50 - 140	
			1,1,2Trichloro-1,2,2Trifluoroethane	2025/10/21		87	%	50 - 140	
			1,1,2-trichloroethane	2025/10/21		84	%	50 - 140	
			1,1-dichloroethane	2025/10/21		96	%	50 - 140	
			1,1-dichloroethene	2025/10/21		106	%	50 - 140	
			1,2,3-trichlorobenzene	2025/10/21		89	%	50 - 140	
			1,2,4-trichlorobenzene	2025/10/21		90	%	50 - 140	
			1,2-dibromoethane	2025/10/21		85	%	50 - 140	
			1,2-dichlorobenzene	2025/10/21		94	%	50 - 140	
			1,2-dichloroethane	2025/10/21		84	%	50 - 140	
			1,2-dichloropropane	2025/10/21		88	%	50 - 140	
			1,3,5-trimethylbenzene	2025/10/21		94	%	50 - 140	
			1,3-Butadiene	2025/10/21		73	%	50 - 140	
			1,3-dichlorobenzene	2025/10/21		98	%	50 - 140	
			1,3-dichloropropane	2025/10/21		86	%	50 - 140	
			1,4-dichlorobenzene	2025/10/21		91	%	50 - 140	
			Benzene	2025/10/21		88	%	50 - 140	
			Bromobenzene	2025/10/21		89	%	50 - 140	
			Bromodichloromethane	2025/10/21		84	%	50 - 140	
			Bromoform	2025/10/21		86	%	50 - 140	
			Bromomethane	2025/10/21		88	%	50 - 140	
			Carbon tetrachloride	2025/10/21		89	%	50 - 140	
			Chlorobenzene	2025/10/21		87	%	50 - 140	
			Dibromochloromethane	2025/10/21		84	%	50 - 140	
			Chloroethane	2025/10/21		82	%	50 - 140	
			Chloroform	2025/10/21		87	%	50 - 140	
			Chloromethane	2025/10/21		85	%	50 - 140	
			cis-1,2-dichloroethene	2025/10/21		86	%	50 - 140	



BUREAU  
VERITAS

Bureau Veritas Job #: C586232

Report Date: 2025/10/23

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
			cis-1,3-dichloropropene	2025/10/21		84	%	50 - 140
			Dichlorodifluoromethane	2025/10/21		86	%	50 - 140
			Dichloromethane	2025/10/21		82	%	50 - 140
			Ethylbenzene	2025/10/21		72	%	50 - 140
			Hexachlorobutadiene	2025/10/21		90	%	50 - 140
			Isopropylbenzene	2025/10/21		76	%	50 - 140
			Methyl-tert-butylether (MTBE)	2025/10/21		76	%	50 - 140
			Styrene	2025/10/21		75	%	50 - 140
			Tetrachloroethene	2025/10/21		86	%	50 - 140
			Toluene	2025/10/21		72	%	50 - 140
			trans-1,2-dichloroethene	2025/10/21		93	%	50 - 140
			trans-1,3-dichloropropene	2025/10/21		65	%	50 - 140
			Trichloroethene	2025/10/21		87	%	50 - 140
			Trichlorofluoromethane	2025/10/21		86	%	50 - 140
			Vinyl chloride	2025/10/21		88	%	50 - 140
			m & p-Xylene	2025/10/21		75	%	50 - 140
			o-Xylene	2025/10/21		72	%	50 - 140
C129321	DWL	Spiked Blank	1,4-Difluorobenzene (sur.)	2025/10/20		95	%	50 - 140
			4-Bromofluorobenzene (sur.)	2025/10/20		95	%	50 - 140
			D4-1,2-Dichloroethane (sur.)	2025/10/20		89	%	50 - 140
			VH C6-C10	2025/10/20		100	%	70 - 130
			1,1,1,2-tetrachloroethane	2025/10/20		86	%	60 - 130
			1,1,1-trichloroethane	2025/10/20		99	%	60 - 130
			1,1,2,2-tetrachloroethane	2025/10/20		95	%	60 - 130
			1,1,2Trichloro-1,2,2Trifluoroethane	2025/10/20		83	%	60 - 130
			1,1,2-trichloroethane	2025/10/20		84	%	60 - 130
			1,1-dichloroethane	2025/10/20		114	%	60 - 130
			1,1-dichloroethene	2025/10/20		109	%	60 - 130
			1,2,3-trichlorobenzene	2025/10/20		87	%	60 - 130
			1,2,4-trichlorobenzene	2025/10/20		88	%	60 - 130
			1,2-dibromoethane	2025/10/20		85	%	60 - 130
			1,2-dichlorobenzene	2025/10/20		93	%	60 - 130
			1,2-dichloroethane	2025/10/20		99	%	60 - 130
			1,2-dichloropropane	2025/10/20		102	%	60 - 130
			1,3,5-trimethylbenzene	2025/10/20		110	%	60 - 130
			1,3-Butadiene	2025/10/20		99	%	50 - 140
			1,3-dichlorobenzene	2025/10/20		97	%	60 - 130
			1,3-dichloropropane	2025/10/20		97	%	60 - 130
			1,4-dichlorobenzene	2025/10/20		95	%	60 - 130
			Benzene	2025/10/20		96	%	60 - 130
			Bromobenzene	2025/10/20		88	%	60 - 130
			Bromodichloromethane	2025/10/20		93	%	60 - 130
			Bromoform	2025/10/20		79	%	60 - 130
			Bromomethane	2025/10/20		81	%	50 - 140
			Carbon tetrachloride	2025/10/20		95	%	60 - 130
			Chlorobenzene	2025/10/20		87	%	60 - 130
			Dibromochloromethane	2025/10/20		84	%	60 - 130
			Chloroethane	2025/10/20		93	%	50 - 140
			Chloroform	2025/10/20		95	%	60 - 130
			Chloromethane	2025/10/20		116	%	50 - 140
			cis-1,2-dichloroethene	2025/10/20		88	%	60 - 130
			cis-1,3-dichloropropene	2025/10/20		80	%	50 - 140
			Dichlorodifluoromethane	2025/10/20		96	%	50 - 140



**QUALITY ASSURANCE REPORT(CONT'D)**

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
			Dichloromethane	2025/10/20		84	%	60 - 130
			Ethylbenzene	2025/10/20		96	%	60 - 130
			Hexachlorobutadiene	2025/10/20		88	%	60 - 130
			Isopropylbenzene	2025/10/20		97	%	60 - 130
			Methyl-tert-butylether (MTBE)	2025/10/20		83	%	60 - 130
			Styrene	2025/10/20		80	%	60 - 130
			Tetrachloroethene	2025/10/20		81	%	60 - 130
			Toluene	2025/10/20		92	%	60 - 130
			trans-1,2-dichloroethene	2025/10/20		95	%	60 - 130
			trans-1,3-dichloropropene	2025/10/20		73	%	50 - 140
			Trichloroethene	2025/10/20		83	%	60 - 130
			Trichlorofluoromethane	2025/10/20		95	%	60 - 130
			Vinyl chloride	2025/10/20		115	%	50 - 140
			m & p-Xylene	2025/10/20		84	%	60 - 130
			o-Xylene	2025/10/20		96	%	60 - 130
C129321	DWL	Method Blank	1,4-Difluorobenzene (sur.)	2025/10/20		97	%	50 - 140
			4-Bromofluorobenzene (sur.)	2025/10/20		80	%	50 - 140
			D4-1,2-Dichloroethane (sur.)	2025/10/20		83	%	50 - 140
			VH C6-C10	2025/10/20	ND, RDL=300		ug/L	
			1,1,1,2-tetrachloroethane	2025/10/20	ND, RDL=0.50		ug/L	
			1,1,1-trichloroethane	2025/10/20	ND, RDL=0.50		ug/L	
			1,1,2,2-tetrachloroethane	2025/10/20	ND, RDL=0.50		ug/L	
			1,1,2Trichloro-1,2,2Trifluoroethane	2025/10/20	ND, RDL=2.0		ug/L	
			1,1,2-trichloroethane	2025/10/20	ND, RDL=0.50		ug/L	
			1,1-dichloroethane	2025/10/20	ND, RDL=0.50		ug/L	
			1,1-dichloroethene	2025/10/20	ND, RDL=0.50		ug/L	
			1,2,3-trichlorobenzene	2025/10/20	ND, RDL=2.0		ug/L	
			1,2,4-trichlorobenzene	2025/10/20	ND, RDL=2.0		ug/L	
			1,2-dibromoethane	2025/10/20	ND, RDL=0.20		ug/L	
			1,2-dichlorobenzene	2025/10/20	ND, RDL=0.50		ug/L	
			1,2-dichloroethane	2025/10/20	ND, RDL=0.50		ug/L	
			1,2-dichloropropane	2025/10/20	ND, RDL=0.50		ug/L	
			1,3,5-trimethylbenzene	2025/10/20	ND, RDL=2.0		ug/L	
			1,3-Butadiene	2025/10/20	ND, RDL=0.50		ug/L	
			1,3-dichlorobenzene	2025/10/20	ND, RDL=0.50		ug/L	
			1,3-dichloropropane	2025/10/20	ND, RDL=1.0		ug/L	



**QUALITY ASSURANCE REPORT(CONT'D)**

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
			1,4-dichlorobenzene	2025/10/20	ND, RDL=0.50		ug/L	
			Benzene	2025/10/20	ND, RDL=0.40		ug/L	
			Bromobenzene	2025/10/20	ND, RDL=2.0		ug/L	
			Bromodichloromethane	2025/10/20	ND, RDL=1.0		ug/L	
			Bromoform	2025/10/20	ND, RDL=1.0		ug/L	
			Bromomethane	2025/10/20	ND, RDL=1.0		ug/L	
			Carbon tetrachloride	2025/10/20	ND, RDL=0.50		ug/L	
			Chlorobenzene	2025/10/20	ND, RDL=0.50		ug/L	
			Dibromochloromethane	2025/10/20	ND, RDL=1.0		ug/L	
			Chloroethane	2025/10/20	ND, RDL=1.0		ug/L	
			Chloroform	2025/10/20	ND, RDL=1.0		ug/L	
			Chloromethane	2025/10/20	ND, RDL=1.0		ug/L	
			cis-1,2-dichloroethene	2025/10/20	ND, RDL=1.0		ug/L	
			cis-1,3-dichloropropene	2025/10/20	ND, RDL=1.0		ug/L	
			Dichlorodifluoromethane	2025/10/20	ND, RDL=2.0		ug/L	
			Dichloromethane	2025/10/20	ND, RDL=2.0		ug/L	
			Ethylbenzene	2025/10/20	ND, RDL=0.40		ug/L	
			Hexachlorobutadiene	2025/10/20	ND, RDL=0.50		ug/L	
			Isopropylbenzene	2025/10/20	ND, RDL=2.0		ug/L	
			Methyl-tert-butylether (MTBE)	2025/10/20	ND, RDL=4.0		ug/L	
			Styrene	2025/10/20	ND, RDL=0.50		ug/L	
			Tetrachloroethene	2025/10/20	ND, RDL=0.50		ug/L	
			Toluene	2025/10/20	ND, RDL=0.40		ug/L	
			trans-1,2-dichloroethene	2025/10/20	ND, RDL=1.0		ug/L	
			trans-1,3-dichloropropene	2025/10/20	ND, RDL=1.0		ug/L	
			Trichloroethene	2025/10/20	ND, RDL=0.50		ug/L	
			Trichlorofluoromethane	2025/10/20	ND, RDL=4.0		ug/L	



**QUALITY ASSURANCE REPORT(CONT'D)**

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
			Vinyl chloride	2025/10/20	ND, RDL=0.50		ug/L	
			m & p-Xylene	2025/10/20	ND, RDL=0.40		ug/L	
			o-Xylene	2025/10/20	ND, RDL=0.40		ug/L	
			Xylenes (Total)	2025/10/20	ND, RDL=0.40		ug/L	
C129321	DWL	RPD	Bromodichloromethane	2025/10/21	2.4		%	30
			Bromoform	2025/10/21	NC		%	30
			Dibromochloromethane	2025/10/21	NC		%	30
			Chloroform	2025/10/21	0.63		%	30
C129675	IC4	Matrix Spike [DUY654-08]	Total Mercury (Hg)	2025/10/20		96	%	80 - 120
C129675	IC4	Spiked Blank	Total Mercury (Hg)	2025/10/20		97	%	80 - 120
C129675	IC4	Method Blank	Total Mercury (Hg)	2025/10/20	ND, RDL=0.0019		ug/L	
C129675	IC4	RPD [DUY654-08]	Total Mercury (Hg)	2025/10/20	NC		%	20
C129830	NJD	Matrix Spike [DUY650-11]	Total Sulphide	2025/10/21		99	%	80 - 120
C129830	NJD	Spiked Blank	Total Sulphide	2025/10/21		92	%	80 - 120
C129830	NJD	Method Blank	Total Sulphide	2025/10/21	ND, RDL=0.0018		mg/L	
C129830	NJD	RPD [DUY651-11]	Total Sulphide	2025/10/21	NC		%	20
C129892	C2L	Matrix Spike	Total Nitrogen (N)	2025/10/21		NC	%	80 - 120
C129892	C2L	Spiked Blank	Total Nitrogen (N)	2025/10/21		101	%	80 - 120
C129892	C2L	Method Blank	Total Nitrogen (N)	2025/10/21	ND, RDL=0.020		mg/L	
C129892	C2L	RPD	Total Nitrogen (N)	2025/10/21	0.072		%	20
C129902	BB3	Matrix Spike [DUY653-05]	Total Nitrogen (N)	2025/10/21		111	%	80 - 120
C129902	BB3	Spiked Blank	Total Nitrogen (N)	2025/10/21		101	%	80 - 120
C129902	BB3	Method Blank	Total Nitrogen (N)	2025/10/21	ND, RDL=0.020		mg/L	
C129902	BB3	RPD [DUY653-05]	Total Nitrogen (N)	2025/10/21	NC		%	20
C129904	ABV	Matrix Spike	D10-ANTHRACENE (sur.)	2025/10/20		61	%	50 - 140
			D8-ACENAPHTHYLENE (sur.)	2025/10/20		92	%	50 - 140
			D8-NAPHTHALENE (sur.)	2025/10/20		77	%	50 - 140
			TERPHENYL-D14 (sur.)	2025/10/20		21 (2)	%	50 - 140
			Quinoline	2025/10/20		102	%	50 - 140
			Naphthalene	2025/10/20		NC	%	50 - 140
			1-Methylnaphthalene	2025/10/20		86	%	50 - 140
			2-Methylnaphthalene	2025/10/20		70	%	50 - 140
			Acenaphthylene	2025/10/20		94	%	50 - 140
			Acenaphthene	2025/10/20		89	%	50 - 140
			Fluorene	2025/10/20		88	%	50 - 140
			Phenanthrene	2025/10/20		81	%	50 - 140
			Anthracene	2025/10/20		82	%	50 - 140
			Acridine	2025/10/20		106	%	50 - 140
			Fluoranthene	2025/10/20		75	%	50 - 140
			Pyrene	2025/10/20		76	%	50 - 140
			Benzo(a)anthracene	2025/10/20		52	%	50 - 140
			Chrysene	2025/10/20		57	%	50 - 140
			Benzo(b&j)fluoranthene	2025/10/20		31 (3)	%	50 - 140
			Benzo(k)fluoranthene	2025/10/20		30 (3)	%	50 - 140
			Benzo(a)pyrene	2025/10/20		28 (3)	%	50 - 140



**QUALITY ASSURANCE REPORT(CONT'D)**

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits			
C129904	ABV	Spiked Blank	Indeno(1,2,3-cd)pyrene	2025/10/20		10 (3)	%	50 - 140			
			Dibenz(a,h)anthracene	2025/10/20		8.8 (3)	%	50 - 140			
			Benzo(g,h,i)perylene	2025/10/20		10 (3)	%	50 - 140			
			D10-ANTHRACENE (sur.)	2025/10/20		105	%	50 - 140			
			D8-ACENAPHTHYLENE (sur.)	2025/10/20		97	%	50 - 140			
			D8-NAPHTHALENE (sur.)	2025/10/20		68	%	50 - 140			
			TERPHENYL-D14 (sur.)	2025/10/20		97	%	50 - 140			
			Quinoline	2025/10/20		104	%	50 - 140			
			Naphthalene	2025/10/20		77	%	50 - 140			
			1-Methylnaphthalene	2025/10/20		82	%	50 - 140			
			2-Methylnaphthalene	2025/10/20		77	%	50 - 140			
			Acenaphthylene	2025/10/20		92	%	50 - 140			
			Acenaphthene	2025/10/20		89	%	50 - 140			
			Fluorene	2025/10/20		92	%	50 - 140			
			Phenanthrene	2025/10/20		92	%	50 - 140			
			Anthracene	2025/10/20		98	%	50 - 140			
			Acridine	2025/10/20		99	%	50 - 140			
			Fluoranthene	2025/10/20		103	%	50 - 140			
			Pyrene	2025/10/20		105	%	50 - 140			
			Benzo(a)anthracene	2025/10/20		97	%	50 - 140			
			Chrysene	2025/10/20		106	%	50 - 140			
			C129904	ABV	Method Blank	Benzo(b&j)fluoranthene	2025/10/20		97	%	50 - 140
						Benzo(k)fluoranthene	2025/10/20		104	%	50 - 140
Benzo(a)pyrene	2025/10/20					92	%	50 - 140			
Indeno(1,2,3-cd)pyrene	2025/10/20					95	%	50 - 140			
Dibenz(a,h)anthracene	2025/10/20					91	%	50 - 140			
Benzo(g,h,i)perylene	2025/10/20					95	%	50 - 140			
D10-ANTHRACENE (sur.)	2025/10/20					110	%	50 - 140			
D8-ACENAPHTHYLENE (sur.)	2025/10/20					98	%	50 - 140			
D8-NAPHTHALENE (sur.)	2025/10/20					70	%	50 - 140			
TERPHENYL-D14 (sur.)	2025/10/20					98	%	50 - 140			
Quinoline	2025/10/20					ND, RDL=0.020		ug/L			
Naphthalene	2025/10/20					ND, RDL=0.10		ug/L			
1-Methylnaphthalene	2025/10/20					ND, RDL=0.050		ug/L			
2-Methylnaphthalene	2025/10/20					ND, RDL=0.10		ug/L			
Acenaphthylene	2025/10/20					ND, RDL=0.050		ug/L			
Acenaphthene	2025/10/20					ND, RDL=0.050		ug/L			
Fluorene	2025/10/20					ND, RDL=0.050		ug/L			
Phenanthrene	2025/10/20					ND, RDL=0.050		ug/L			
Anthracene	2025/10/20					ND, RDL=0.010		ug/L			
Acridine	2025/10/20					ND, RDL=0.050		ug/L			
Fluoranthene	2025/10/20					ND, RDL=0.020		ug/L			



**QUALITY ASSURANCE REPORT(CONT'D)**

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
			Pyrene	2025/10/20	ND, RDL=0.020		ug/L	
			Benzo(a)anthracene	2025/10/20	ND, RDL=0.010		ug/L	
			Chrysene	2025/10/20	ND, RDL=0.020		ug/L	
			Benzo(b&j)fluoranthene	2025/10/20	ND, RDL=0.030		ug/L	
			Benzo(k)fluoranthene	2025/10/20	ND, RDL=0.050		ug/L	
			Benzo(a)pyrene	2025/10/20	ND, RDL=0.0050		ug/L	
			Indeno(1,2,3-cd)pyrene	2025/10/20	ND, RDL=0.050		ug/L	
			Dibenz(a,h)anthracene	2025/10/20	ND, RDL=0.0030		ug/L	
			Benzo(g,h,i)perylene	2025/10/20	ND, RDL=0.050		ug/L	
C129904	ABV	RPD	Quinoline	2025/10/21	NC		%	40
			Naphthalene	2025/10/21	NC		%	40
			1-Methylnaphthalene	2025/10/21	NC		%	40
			2-Methylnaphthalene	2025/10/21	NC		%	40
			Acenaphthylene	2025/10/21	NC		%	40
			Acenaphthene	2025/10/21	NC		%	40
			Fluorene	2025/10/21	NC		%	40
			Phenanthrene	2025/10/21	NC		%	40
			Anthracene	2025/10/21	NC		%	40
			Acridine	2025/10/21	NC		%	40
			Fluoranthene	2025/10/21	NC		%	40
			Pyrene	2025/10/21	NC		%	40
			Benzo(a)anthracene	2025/10/21	NC		%	40
			Chrysene	2025/10/21	NC		%	40
			Benzo(b&j)fluoranthene	2025/10/21	NC		%	40
			Benzo(k)fluoranthene	2025/10/21	NC		%	40
			Benzo(a)pyrene	2025/10/21	NC		%	40
			Indeno(1,2,3-cd)pyrene	2025/10/21	NC		%	40
			Dibenz(a,h)anthracene	2025/10/21	NC		%	40
			Benzo(g,h,i)perylene	2025/10/21	NC		%	40
C129914	IT1	Matrix Spike	O-TERPHENYL (sur.)	2025/10/20		103	%	60 - 140
			EPH (C10-C19)	2025/10/20		107	%	60 - 140
			EPH (C19-C32)	2025/10/20		130	%	60 - 140
C129914	IT1	Spiked Blank	O-TERPHENYL (sur.)	2025/10/20		104	%	60 - 140
			EPH (C10-C19)	2025/10/20		107	%	70 - 130
			EPH (C19-C32)	2025/10/20		125	%	70 - 130
C129914	IT1	Method Blank	O-TERPHENYL (sur.)	2025/10/20		104	%	60 - 140
			EPH (C10-C19)	2025/10/20	ND, RDL=0.20		mg/L	
			EPH (C19-C32)	2025/10/20	ND, RDL=0.20		mg/L	
C129914	IT1	RPD	EPH (C10-C19)	2025/10/20	NC		%	30
			EPH (C19-C32)	2025/10/20	NC		%	30
C130272	AA1	Matrix Spike	Total Aluminum (Al)	2025/10/20		103	%	80 - 120
			Total Antimony (Sb)	2025/10/20		NC	%	80 - 120



**QUALITY ASSURANCE REPORT(CONT'D)**

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
			Total Arsenic (As)	2025/10/20		NC	%	80 - 120
			Total Barium (Ba)	2025/10/20		NC	%	80 - 120
			Total Beryllium (Be)	2025/10/20		101	%	80 - 120
			Total Bismuth (Bi)	2025/10/20		97	%	80 - 120
			Total Boron (B)	2025/10/20		87	%	80 - 120
			Total Cadmium (Cd)	2025/10/20		104	%	80 - 120
			Total Cesium (Cs)	2025/10/20		101	%	80 - 120
			Total Chromium (Cr)	2025/10/20		102	%	80 - 120
			Total Cobalt (Co)	2025/10/20		NC	%	80 - 120
			Total Copper (Cu)	2025/10/20		NC	%	80 - 120
			Total Iron (Fe)	2025/10/20		110	%	80 - 120
			Total Lead (Pb)	2025/10/20		98	%	80 - 120
			Total Lithium (Li)	2025/10/20		95	%	80 - 120
			Total Manganese (Mn)	2025/10/20		NC	%	80 - 120
			Total Molybdenum (Mo)	2025/10/20		NC	%	80 - 120
			Total Nickel (Ni)	2025/10/20		NC	%	80 - 120
			Total Phosphorus (P)	2025/10/20		106	%	80 - 120
			Total Rubidium (Rb)	2025/10/20		NC	%	80 - 120
			Total Selenium (Se)	2025/10/20		NC	%	80 - 120
			Total Silicon (Si)	2025/10/20		143 (3)	%	80 - 120
			Total Silver (Ag)	2025/10/20		98	%	80 - 120
			Total Strontium (Sr)	2025/10/20		NC	%	80 - 120
			Total Tellurium (Te)	2025/10/20		100	%	80 - 120
			Total Thallium (Tl)	2025/10/20		100	%	80 - 120
			Total Thorium (Th)	2025/10/20		106	%	80 - 120
			Total Tin (Sn)	2025/10/20		102	%	80 - 120
			Total Titanium (Ti)	2025/10/20		107	%	80 - 120
			Total Uranium (U)	2025/10/20		105	%	80 - 120
			Total Vanadium (V)	2025/10/20		106	%	80 - 120
			Total Zinc (Zn)	2025/10/20		101	%	80 - 120
			Total Zirconium (Zr)	2025/10/20		114	%	80 - 120
C130272	AA1	Spiked Blank	Total Aluminum (Al)	2025/10/20		102	%	80 - 120
			Total Antimony (Sb)	2025/10/20		105	%	80 - 120
			Total Arsenic (As)	2025/10/20		110	%	80 - 120
			Total Barium (Ba)	2025/10/20		104	%	80 - 120
			Total Beryllium (Be)	2025/10/20		100	%	80 - 120
			Total Bismuth (Bi)	2025/10/20		100	%	80 - 120
			Total Boron (B)	2025/10/20		100	%	80 - 120
			Total Cadmium (Cd)	2025/10/20		106	%	80 - 120
			Total Cesium (Cs)	2025/10/20		104	%	80 - 120
			Total Chromium (Cr)	2025/10/20		105	%	80 - 120
			Total Cobalt (Co)	2025/10/20		100	%	80 - 120
			Total Copper (Cu)	2025/10/20		99	%	80 - 120
			Total Iron (Fe)	2025/10/20		105	%	80 - 120
			Total Lead (Pb)	2025/10/20		101	%	80 - 120
			Total Lithium (Li)	2025/10/20		100	%	80 - 120
			Total Manganese (Mn)	2025/10/20		104	%	80 - 120
			Total Molybdenum (Mo)	2025/10/20		104	%	80 - 120
			Total Nickel (Ni)	2025/10/20		104	%	80 - 120
			Total Phosphorus (P)	2025/10/20		103	%	80 - 120
			Total Rubidium (Rb)	2025/10/20		103	%	80 - 120
			Total Selenium (Se)	2025/10/20		109	%	80 - 120
			Total Silicon (Si)	2025/10/20		107	%	80 - 120



**QUALITY ASSURANCE REPORT(CONT'D)**

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
			Total Silver (Ag)	2025/10/20		101	%	80 - 120
			Total Strontium (Sr)	2025/10/20		104	%	80 - 120
			Total Tellurium (Te)	2025/10/20		105	%	80 - 120
			Total Thallium (Tl)	2025/10/20		100	%	80 - 120
			Total Thorium (Th)	2025/10/20		100	%	80 - 120
			Total Tin (Sn)	2025/10/20		104	%	80 - 120
			Total Titanium (Ti)	2025/10/20		107	%	80 - 120
			Total Uranium (U)	2025/10/20		101	%	80 - 120
			Total Vanadium (V)	2025/10/20		105	%	80 - 120
			Total Zinc (Zn)	2025/10/20		106	%	80 - 120
			Total Zirconium (Zr)	2025/10/20		102	%	80 - 120
C130272	AA1	Method Blank	Total Aluminum (Al)	2025/10/20	ND, RDL=3.0		ug/L	
			Total Antimony (Sb)	2025/10/20	ND, RDL=0.020		ug/L	
			Total Arsenic (As)	2025/10/20	ND, RDL=0.020		ug/L	
			Total Barium (Ba)	2025/10/20	ND, RDL=0.050		ug/L	
			Total Beryllium (Be)	2025/10/20	ND, RDL=0.010		ug/L	
			Total Bismuth (Bi)	2025/10/20	ND, RDL=0.010		ug/L	
			Total Boron (B)	2025/10/20	ND, RDL=10		ug/L	
			Total Cadmium (Cd)	2025/10/20	ND, RDL=0.0050		ug/L	
			Total Cesium (Cs)	2025/10/20	ND, RDL=0.050		ug/L	
			Total Chromium (Cr)	2025/10/20	ND, RDL=0.10		ug/L	
			Total Cobalt (Co)	2025/10/20	ND, RDL=0.010		ug/L	
			Total Copper (Cu)	2025/10/20	ND, RDL=0.10		ug/L	
			Total Iron (Fe)	2025/10/20	ND, RDL=5.0		ug/L	
			Total Lead (Pb)	2025/10/20	ND, RDL=0.020		ug/L	
			Total Lithium (Li)	2025/10/20	ND, RDL=0.50		ug/L	
			Total Manganese (Mn)	2025/10/20	ND, RDL=0.10		ug/L	
			Total Molybdenum (Mo)	2025/10/20	ND, RDL=0.050		ug/L	
			Total Nickel (Ni)	2025/10/20	ND, RDL=0.10		ug/L	
			Total Phosphorus (P)	2025/10/20	ND, RDL=5.0		ug/L	
			Total Rubidium (Rb)	2025/10/20	ND, RDL=0.050		ug/L	
			Total Selenium (Se)	2025/10/20	ND, RDL=0.040		ug/L	



**QUALITY ASSURANCE REPORT(CONT'D)**

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
			Total Silicon (Si)	2025/10/20	ND, RDL=50		ug/L	
			Total Silver (Ag)	2025/10/20	ND, RDL=0.010		ug/L	
			Total Strontium (Sr)	2025/10/20	ND, RDL=0.050		ug/L	
			Total Tellurium (Te)	2025/10/20	ND, RDL=0.020		ug/L	
			Total Thallium (Tl)	2025/10/20	ND, RDL=0.0020		ug/L	
			Total Thorium (Th)	2025/10/20	ND, RDL=0.050		ug/L	
			Total Tin (Sn)	2025/10/20	ND, RDL=0.20		ug/L	
			Total Titanium (Ti)	2025/10/20	ND, RDL=2.0		ug/L	
			Total Uranium (U)	2025/10/20	ND, RDL=0.0050		ug/L	
			Total Vanadium (V)	2025/10/20	ND, RDL=0.20		ug/L	
			Total Zinc (Zn)	2025/10/20	ND, RDL=1.0		ug/L	
			Total Zirconium (Zr)	2025/10/20	ND, RDL=0.10		ug/L	
C130272	AA1	RPD	Total Aluminum (Al)	2025/10/20	NC		%	20
			Total Antimony (Sb)	2025/10/20	8.4		%	20
			Total Arsenic (As)	2025/10/20	6.3		%	20
			Total Barium (Ba)	2025/10/20	5.6		%	20
			Total Beryllium (Be)	2025/10/20	NC		%	20
			Total Bismuth (Bi)	2025/10/20	NC		%	20
			Total Boron (B)	2025/10/20	0.82		%	20
			Total Cadmium (Cd)	2025/10/20	NC		%	20
			Total Chromium (Cr)	2025/10/20	NC		%	20
			Total Cobalt (Co)	2025/10/20	8.7		%	20
			Total Copper (Cu)	2025/10/20	6.3		%	20
			Total Iron (Fe)	2025/10/20	4.7		%	20
			Total Lead (Pb)	2025/10/20	6.9		%	20
			Total Lithium (Li)	2025/10/20	0.98		%	20
			Total Manganese (Mn)	2025/10/20	5.2		%	20
			Total Molybdenum (Mo)	2025/10/20	8.4		%	20
			Total Nickel (Ni)	2025/10/20	6.7		%	20
			Total Selenium (Se)	2025/10/20	7.6		%	20
			Total Silver (Ag)	2025/10/20	9.8		%	20
			Total Strontium (Sr)	2025/10/20	7.4		%	20
			Total Thallium (Tl)	2025/10/20	3.4		%	20
			Total Tin (Sn)	2025/10/20	NC		%	20
			Total Titanium (Ti)	2025/10/20	NC		%	20
			Total Uranium (U)	2025/10/20	8.1		%	20
			Total Vanadium (V)	2025/10/20	NC		%	20
			Total Zinc (Zn)	2025/10/20	NC		%	20
C130284	BTM	Matrix Spike [DUY654-05]	Total Organic Carbon (C)	2025/10/21		109	%	80 - 120
C130284	BTM	Spiked Blank	Total Organic Carbon (C)	2025/10/21		95	%	80 - 120



BUREAU  
VERITAS

Bureau Veritas Job #: C586232  
Report Date: 2025/10/23

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
C130284	BTM	Method Blank	Total Organic Carbon (C)	2025/10/21	ND, RDL=0.50		mg/L	
C130284	BTM	RPD [DUY654-05]	Total Organic Carbon (C)	2025/10/21	NC		%	20
C130926	BTM	Matrix Spike	Dissolved Organic Carbon (C)	2025/10/21		98	%	80 - 120
C130926	BTM	Spiked Blank	Dissolved Organic Carbon (C)	2025/10/21		106	%	80 - 120
C130926	BTM	Method Blank	Dissolved Organic Carbon (C)	2025/10/21	ND, RDL=0.50		mg/L	
C130926	BTM	RPD	Dissolved Organic Carbon (C)	2025/10/21	2.7		%	20
C131431	BB3	Matrix Spike [DUY654-12]	Total Hex. Chromium (Cr 6+)	2025/10/21		102	%	80 - 120
C131431	BB3	Spiked Blank	Total Hex. Chromium (Cr 6+)	2025/10/21		108	%	80 - 120
C131431	BB3	Method Blank	Total Hex. Chromium (Cr 6+)	2025/10/21	ND, RDL=0.00099		mg/L	
C131431	BB3	RPD [DUY654-12]	Total Hex. Chromium (Cr 6+)	2025/10/21	NC		%	20
C131978	CJY	Matrix Spike	Dissolved Fluoride (F)	2025/10/22		95	%	80 - 120
C131978	CJY	Spiked Blank	Dissolved Fluoride (F)	2025/10/22		98	%	80 - 120
C131978	CJY	Method Blank	Dissolved Fluoride (F)	2025/10/22	ND, RDL=0.050		mg/L	
C131978	CJY	RPD	Fluoride (F)	2025/10/22	NC		%	20
C132018	CJY	Matrix Spike [DUY653-02]	Dissolved Fluoride (F)	2025/10/23		95	%	80 - 120
C132018	CJY	Spiked Blank	Dissolved Fluoride (F)	2025/10/23		100	%	80 - 120
C132018	CJY	Method Blank	Dissolved Fluoride (F)	2025/10/23	ND, RDL=0.050		mg/L	
C132018	CJY	RPD	Fluoride (F)	2025/10/23	NC		%	20

N/A = Not Applicable

Duplicate: Paired analysis of a separate portion of the same sample. Used to evaluate the variance in the measurement.

Matrix Spike: A sample to which a known amount of the analyte of interest has been added. Used to evaluate sample matrix interference.

Spiked Blank: A blank matrix sample to which a known amount of the analyte, usually from a second source, has been added. Used to evaluate method accuracy.

Method Blank: A blank matrix containing all reagents used in the analytical procedure. Used to identify laboratory contamination.

Surrogate: A pure or isotopically labeled compound whose behavior mirrors the analytes of interest. Used to evaluate extraction efficiency.

NC (Matrix Spike): The recovery in the matrix spike was not calculated. The relative difference between the concentration in the parent sample and the spike amount was too small to permit a reliable recovery calculation (matrix spike concentration was less than the native sample concentration)

NC (Duplicate RPD): The duplicate RPD was not calculated. The concentration in the sample and/or duplicate was too low to permit a reliable RPD calculation (absolute difference <= 2x RDL).

(1) Method blank exceeds acceptance limits- 2X RDL acceptable for low level metals determination.

(2) Surrogate recovery exceeds acceptance criteria due to matrix interference. Unable to reanalyze due to insufficient sample.

(3) Recovery or RPD for this parameter is outside control limits. The overall quality control for this analysis meets acceptability criteria.



### VALIDATION SIGNATURE PAGE

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

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

Levi Manchak, Project Manager SR

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

Pushpa Gurung, Laboratory Supervisor

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.



eCOC: W116034

Expected TAT: Standard TAT  
 Expected Arrival: 2025/10/14 16:45  
 Submitted By: Adrienne Trac  
 Submitted To: Burnaby ENV: 4606  
 Canada Way

**Invoice Information**

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

**Report Information**

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

**Project Information**

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

**Analytical Summary**

A: Standard TAT

Client Sample ID	Clnt Ref	Sampling Date/Time	Matrix	#Cont	Woodfibre 2025	Woodfibre Additional 2025	Woodfibre Blank 2025	Set Number
WLNG-DS	1	2025/10/14	WATER	14	A			1
WLNG EOP	2	2025/10/14	WATER	18	A	A		2
WLNG-US	3	2025/10/14	WATER	14	A			1
SQRI-US	4	2025/10/14	WATER	14	A			1
SQRI-DS	5	2025/10/14	WATER	14	A			1
Field Blank	6	2025/10/14	WATER	14			A	3
Trip Blank	7	2025/10/14	WATER	14			A	3

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

**Submission Information**

# of Samples: 7



eCOC: W116034

Expected TAT: Standard TAT  
Expected Arrival: 2025/10/14 16:45  
Submitted By: Adrienne Trac  
Submitted To: Burnaby ENV: 4606  
Canada Way

**Invoice Information**

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

**Report Information**

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

**Project Information**

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

**Analytical Summary**

A: Standard TAT

Client Sample ID	Clnt Ref	Sampling Date/Time	Matrix	#Cont	Woodfibre 2025	Woodfibre Additional 2025	Woodfibre Blank 2025	Set Number
WLNG-DS	1	2025/10/14	WATER	14	A			1
WLNG -EOP	2	2025/10/14	WATER	18	A	A		2
WLNG-US	3	2025/10/14	WATER	14	A			1
SQRI-US	4	2025/10/14	WATER	14	A			1
SQRI-DS	5	2025/10/14	WATER	14	A			1
Field Blank	6	2025/10/14	WATER	14			A	3
Trip Blank	7	2025/10/14	WATER	14			A	3

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

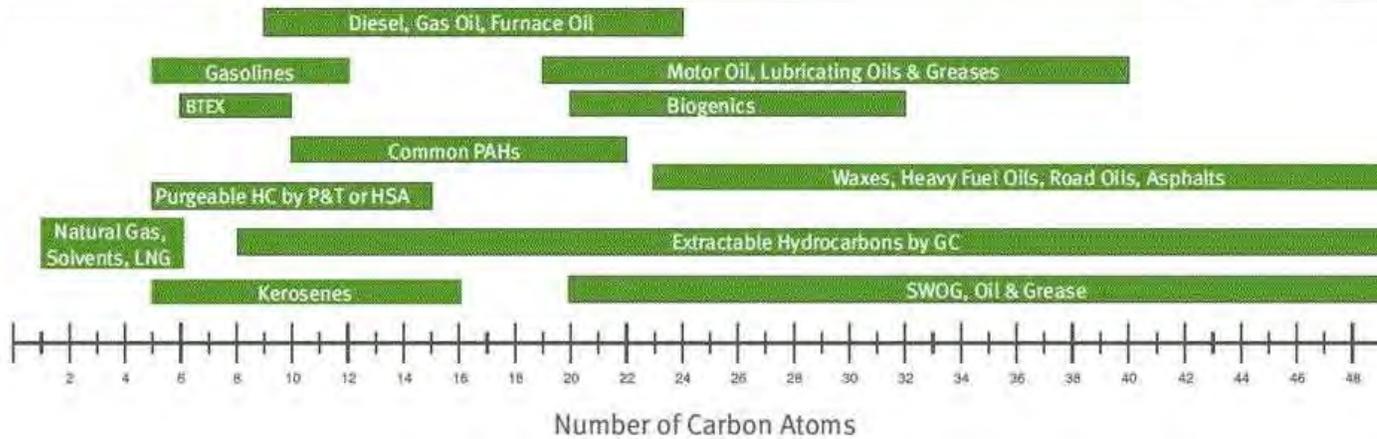
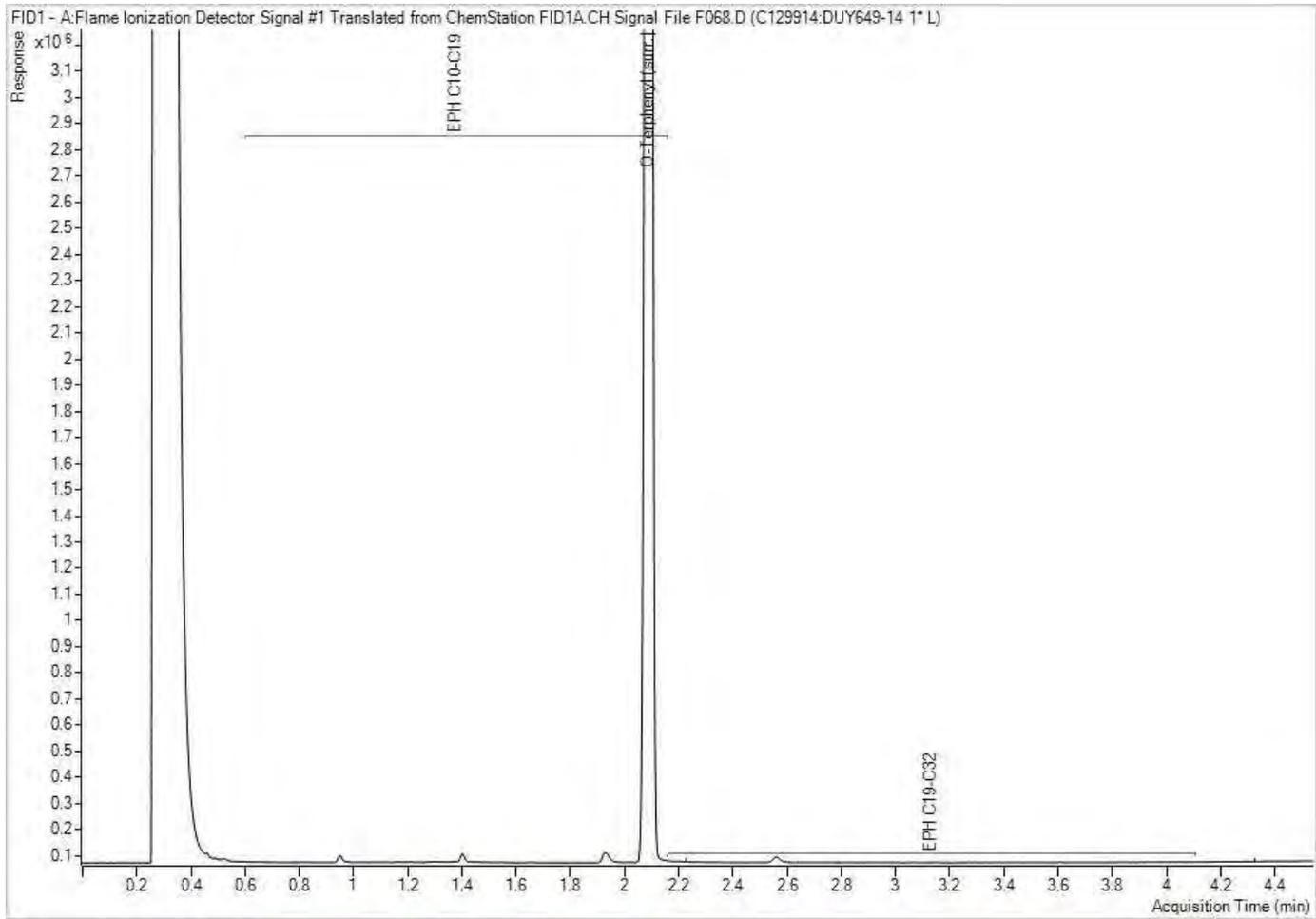
**Submission Information**

# of Samples: 7

AIT



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.



www.alsglobal.com

# Chain of Custody (COC) / Analytical Request Form

COC Number: 23 - 1085343

Canada Toll Free: 1 800 668 9878

Page of

<b>Report To</b> Contact and company name below will appear on the final report		<b>Reports / Recipients</b>			<b>Turnaround Time (TAT) Requested</b>			<b>AFFIX ALS BARCODE LABEL HERE (ALS use only)</b>																																																										
Company: <b>FKM</b> Contact: <b>Sara Derakhsh</b> Phone:		Select Report Format: <input checked="" type="checkbox"/> PDF <input checked="" type="checkbox"/> EXCEL <input type="checkbox"/> EDD (DIGITAL) Merge QC/QCI Reports with COA <input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A <input type="checkbox"/> Compare Results to Criteria on Report - provide details below if box checked			<input type="checkbox"/> Routine [R] if received by 3pm M-F - no surcharges apply <input type="checkbox"/> 4 day [P4] if received by 3pm M-F - 20% rush surcharge minimum <input type="checkbox"/> 3 day [P3] if received by 3pm M-F - 25% rush surcharge minimum <input type="checkbox"/> 2 day [P2] if received by 3pm M-F - 50% rush surcharge minimum <input type="checkbox"/> 1 day [E] if received by 3pm M-F - 100% rush surcharge minimum <input checked="" type="checkbox"/> Same day [E2] if received by 10am M-S - 200% rush surcharge.																																																													
Company address below will appear on the final report		Select Distribution: <input type="checkbox"/> EMAIL <input type="checkbox"/> MAIL <input type="checkbox"/> FAX			Additional fees may apply to rush requests on weekends, statutory holidays and for non-routine tests.																																																													
Street:		Email 1 or Fax: <b>Sara.Derakhsh@MichelsCanada.com</b>			Date and Time Required for all E&P TATs: <b>2pm to 10:00am</b>																																																													
City/Province:		Email 2: <b>Brad.clarke@MichelsCanada.com</b>																																																																
Postal Code:		Email 3:																																																																
<b>Invoice To</b>		<b>Invoice Recipients</b>			<b>Analysis Request</b>																																																													
Same as Report To <input type="checkbox"/> YES <input type="checkbox"/> NO		Select Invoice Distribution: <input type="checkbox"/> EMAIL <input type="checkbox"/> MAIL <input type="checkbox"/> FAX			For all tests with rush TATs requested, please contact your ALS to confirm availability.																																																													
Copy of Invoice with Report <input type="checkbox"/> YES <input type="checkbox"/> NO		Email 1 or Fax:			Indicate Filtered (F), Preserved (P) or Filtered and Preserved (F/P) below																																																													
Company:		Email 2:			<table border="1"> <tr> <th rowspan="5">NUMBER OF CONTAINERS</th> <th rowspan="5">Physical test</th> <th rowspan="5">Total metals</th> <th rowspan="5">dissolved metals</th> <th rowspan="5">DOC</th> <th rowspan="5">PAH, EPA</th> <th rowspan="5">Phenols</th> <th rowspan="5">organics</th> <th rowspan="5">Anions nutrients</th> <th rowspan="5">VOC</th> <th rowspan="5">Glycols</th> <th rowspan="5">SAMPLES ON HOLD</th> <th rowspan="5">EXTENDED STORAGE REQUIRED</th> <th rowspan="5">SUSPECTED HAZARD (see notes)</th> </tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> </table>					NUMBER OF CONTAINERS	Physical test	Total metals	dissolved metals	DOC	PAH, EPA	Phenols	organics	Anions nutrients	VOC	Glycols	SAMPLES ON HOLD	EXTENDED STORAGE REQUIRED	SUSPECTED HAZARD (see notes)																																											
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Project Information		Oil and Gas Required Fields (client use)																																																																
ALS Client Code / QUOTE #: <b>EGP 190</b>		AFE/Cost Center: PO#																																																																
Job / Project #:		Major/Minor Code: Routing Code:																																																																
PO / AFE:		Requisitioner:																																																																
LSD:		Location:																																																																
ALS Lab Work Order # (ALS use only): <b>36K 6864</b>		ALS Contact:		Sampler:																																																														
ALS Sample # (ALS use only)	Sample Identification and/or Coordinates (This description will appear on the report)	Date (dd-mmm-yy)	Time (hh:mm)	Sample Type																																																														
	<b>WIP</b>	<b>9 oct</b>	<b>5:45</b>	<b>water</b>																																																														
<b>Drinking Water (DW) Samples (client use)</b>		<b>Notes / Specify Limits for result evaluation by selecting from drop-down below (Excel COC only)</b>			<b>SAMPLE RECEIPT</b>																																																													
Are samples taken from a Regulated DW System? <input type="checkbox"/> YES <input type="checkbox"/> NO		<b>PH: 7.5 Temp: 16</b>			Cooling Method: <input type="checkbox"/> NONE <input type="checkbox"/> ICE <input type="checkbox"/> ICE PACKS <input type="checkbox"/> FROZEN <input type="checkbox"/> COOLING INITIATED																																																													
Are samples for human consumption/ use? <input type="checkbox"/> YES <input type="checkbox"/> NO					Cooler Custody Seals Intact: <input type="checkbox"/> YES <input type="checkbox"/> N/A Sample Custody Seals Intact: <input type="checkbox"/> YES <input type="checkbox"/> N/A																																																													
					INITIAL COOLER TEMPERATURES °C: <b>19</b> FINAL COOLER TEMPERATURES °C:																																																													
<b>SHIPMENT RELEASE (client use)</b>		<b>INITIAL SHIPMENT RECEPTION (ALS use only)</b>			<b>FINAL SHIPMENT RECEPTION (ALS use only)</b>																																																													
Released by:	Date:	Time:	Received by:	Date:	Time:	Received by: <b>RS</b>	Date: <b>OCT 9</b>	Time: <b>21:00</b>																																																										

Environmental Division  
Vancouver  
Work Order Reference  
**VA25C6864**

Telephone: +1 604 263 4188

REFER TO BACK PAGE FOR ALS LOCATIONS AND SAMPLING INFORMATION

WHITE - LABORATORY COPY YELLOW - CLIENT COPY

JAN 2023 FRONT

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

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

**CERTIFICATE OF ANALYSIS**

<b>Work Order</b>	: <b>VA25C6864</b>	<b>Laboratory</b>	: ALS Environmental - Vancouver
<b>Amendment</b>	: <b>1</b>	<b>Account Manager</b>	: Kevin Bhikadia
<b>Client</b>	: <b>Frontier-Kemper Michels Joint Venture</b>	<b>Address</b>	: 8081 Lougheed Highway Burnaby BC Canada V5A 1W9
<b>Contact</b>	: Sara Derakhshi	<b>E-mail</b>	: Kevin.Bhikadia@alsglobal.com
<b>Address</b>	: 404-850 Harbourside Drive North Vancouver British Columbia Canada V7P 0A3	<b>Telephone</b>	: +1 604 253 4188
<b>Telephone</b>	: ----	<b>Date Samples Received</b>	: 09-Oct-2025 21:00
<b>Project</b>	: EGP 150	<b>Date Analysis Commenced</b>	: 09-Oct-2025
<b>PO</b>	: ----	<b>Issue Date</b>	: 15-Oct-2025 15:59
<b>C-O-C number</b>	: 23-1085343		
<b>Sampler</b>	: ----		
<b>Site</b>	: BCR		
<b>Quote number</b>	: WTP Discharge		
<b>No. of samples received</b>	: 1		
<b>No. of samples analysed</b>	: 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>
Dinesha Hewabaddege	Analyst- General	Inorganics, Burnaby, British Columbia
Erika Vanegas	Lab Assistant	Metals, Burnaby, British Columbia
Harsha Attanayake	Laboratory Analyst	Metals, Burnaby, British Columbia
Hdeep Kaur	Lab Assistant	Inorganics, Burnaby, British Columbia
James Diacon	Lab Analyst	Inorganics, Edmonton, Alberta
Kate Dimitrova	Supervisor - Inorganic	Inorganics, Burnaby, British Columbia
Miles Gropen	Department Manager - Inorganics	Inorganics, Burnaby, British Columbia
Monica Ko	Supervisor - Inorganic	Inorganics, Burnaby, British Columbia
Paolo Obillo	Account Manager Assistant	Administration, Burnaby, British Columbia
Robin Weeks	Supervisor - Organics Extractions	Organics, Burnaby, British Columbia



## General Comments

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

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

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

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

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

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

<: less than.

>: greater than.

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

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

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

## Workorder Comments

Amendment 1 (15/10/2025): This report has been amended and re-released to allow the reporting of additional analytical data. LEPH/HEPH + EPH + PAH, Phenols, Anions & Nutrients, VOC/VPH and Glycols are now reported for this sample.



---

## Qualifiers

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



### Analytical Results

Sub-Matrix: Water (Matrix: Water)					Client sample ID	WTP	---	---	---	---
					Client sampling date / time	09-Oct-2025 17:45	---	---	---	---
Analyte	CAS Number	Method/Lab	LOR	Unit	VA25C6864-001	---	---	---	---	---
					ResultMU	---	---	---	---	---
<b>Field Tests</b>										
pH, field	---	EF001/VA	0.10	pH units	7.50	---	---	---	---	---
Temperature, field	---	EF001/VA	0.10	°C	16.0	---	---	---	---	---
<b>Sample Preparation</b>										
Dissolved carbon filtration location	---	EP358/VA	-	-	lab	---	---	---	---	---
<b>Physical Tests</b>										
Alkalinity, bicarbonate (as CaCO3)	---	E290/VA	2.0	mg/L	59.8	---	---	---	---	---
Alkalinity, carbonate (as CaCO3)	---	E290/VA	2.0	mg/L	<2.0	---	---	---	---	---
Alkalinity, hydroxide (as CaCO3)	---	E290/VA	2.0	mg/L	<2.0	---	---	---	---	---
Alkalinity, phenolphthalein (as CaCO3)	---	E290/VA	2.0	mg/L	<2.0	---	---	---	---	---
Alkalinity, total (as CaCO3)	---	E290/VA	2.0	mg/L	59.8	---	---	---	---	---
Conductivity	---	E100/VA	2.0	µS/cm	352	---	---	---	---	---
Hardness (as CaCO3), dissolved	---	EC100/VA	0.60	mg/L	4.10	---	---	---	---	---
Hardness (as CaCO3), from total Ca/Mg	---	EC100A/VA	0.60	mg/L	4.31	---	---	---	---	---
Oxidation-reduction potential [ORP]	---	E125/VA	0.10	mV	237	---	---	---	---	---
pH	---	E108/VA	0.10	pH units	7.95	---	---	---	---	---
Solids, total dissolved [TDS]	---	E162/VA	10	mg/L	212	---	---	---	---	---
Solids, total suspended [TSS]	---	E160/VA	3.0	mg/L	<3.0	---	---	---	---	---
Turbidity	---	E121/VA	0.10	NTU	0.69	---	---	---	---	---
<b>Anions and Nutrients</b>										
Ammonia, total (as N)	7664-41-7	E298/VA	0.0050	mg/L	0.0509	---	---	---	---	---
Ammonium (as NH4), field	14798-03-9	EC298A/VA	0.0010	mg/L	0.0649	---	---	---	---	---



**Analytical Results**

Sub-Matrix: Water  
 (Matrix: Water)

					Client sample ID	WTP	---	---	---	---
					Client sampling date / time	09-Oct-2025 17:45	---	---	---	---
Analyte	CAS Number	Method/Lab	LOR	Unit	VA25C6864-001	---	---	---	---	---
						ResultMU	---	---	---	---
<b>Anions and Nutrients</b>										
Bromide	24959-67-9	E235.Br-L/VA	0.050	mg/L	0.188	---	---	---	---	---
Chloride	16887-00-6	E235.Cl/VA	0.50	mg/L	68.2	---	---	---	---	---
Fluoride	16984-48-8	E235.F/VA	0.020	mg/L	0.255	---	---	---	---	---
Nitrate (as N)	14797-55-8	E235.NO3-L/VA	0.0050	mg/L	0.497	---	---	---	---	---
Nitrite (as N)	14797-65-0	E235.NO2-L/VA	0.0010	mg/L	0.0123	---	---	---	---	---
Nitrogen, total	7727-37-9	E366/VA	0.030	mg/L	0.717	---	---	---	---	---
Phosphorus, total	7723-14-0	E372-U/VA	0.0020	mg/L	0.140	---	---	---	---	---
Sulfate (as SO4)	14808-79-8	E235.SO4/VA	0.30	mg/L	5.67	---	---	---	---	---
<b>Organic / Inorganic Carbon</b>										
Carbon, dissolved organic [DOC]	---	E358-L/VA	0.50	mg/L	1.61	---	---	---	---	---
Carbon, total organic [TOC]	---	E355-L/VA	0.50	mg/L	1.54	---	---	---	---	---
<b>Total Metals</b>										
Aluminum, total	7429-90-5	E420/VA	0.0030	mg/L	0.276	---	---	---	---	---
Antimony, total	7440-36-0	E420/VA	0.00010	mg/L	0.00022	---	---	---	---	---
Arsenic, total	7440-38-2	E420/VA	0.00010	mg/L	0.00035	---	---	---	---	---
Barium, total	7440-39-3	E420/VA	0.00010	mg/L	0.00145	---	---	---	---	---
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	0.014	---	---	---	---	---
Cadmium, total	7440-43-9	E420/VA	0.0000050	mg/L	<0.0000100 <sup>DLM</sup>	---	---	---	---	---
Calcium, total	7440-70-2	E420/VA	0.050	mg/L	1.01	---	---	---	---	---



### Analytical Results

Sub-Matrix: Water  
 (Matrix: Water)

					Client sample ID	WTP	---	---	---	---
					Client sampling date / time	09-Oct-2025 17:45	---	---	---	---
Analyte	CAS Number	Method/Lab	LOR	Unit	VA25C6864-001	---	---	---	---	---
						ResultMU	---	---	---	---
<b>Total Metals</b>										
Cesium, total	7440-46-2	E420/VA	0.000010	mg/L	0.000031	---	---	---	---	---
Chromium, total	7440-47-3	E420/VA	0.00050	mg/L	<0.00050	---	---	---	---	---
Cobalt, total	7440-48-4	E420/VA	0.00010	mg/L	0.00013	---	---	---	---	---
Copper, total	7440-50-8	E420/VA	0.00050	mg/L	0.00181	---	---	---	---	---
Iron, total	7439-89-6	E420/VA	0.010	mg/L	0.100	---	---	---	---	---
Lead, total	7439-92-1	E420/VA	0.000050	mg/L	<0.000050	---	---	---	---	---
Lithium, total	7439-93-2	E420/VA	0.0010	mg/L	0.0013	---	---	---	---	---
Magnesium, total	7439-95-4	E420/VA	0.0050	mg/L	0.435	---	---	---	---	---
Manganese, total	7439-96-5	E420/VA	0.00010	mg/L	0.00105	---	---	---	---	---
Mercury, total	7439-97-6	E508/VA	0.0000050	mg/L	<0.0000050	---	---	---	---	---
Molybdenum, total	7439-98-7	E420/VA	0.000050	mg/L	0.0264	---	---	---	---	---
Nickel, total	7440-02-0	E420/VA	0.00050	mg/L	0.00090	---	---	---	---	---
Phosphorus, total	7723-14-0	E420/VA	0.050	mg/L	0.133	---	---	---	---	---
Potassium, total	7440-09-7	E420/VA	0.050	mg/L	4.81	---	---	---	---	---
Rubidium, total	7440-17-7	E420/VA	0.00020	mg/L	0.00129	---	---	---	---	---
Selenium, total	7782-49-2	E420/VA	0.000050	mg/L	0.000076	---	---	---	---	---
Silicon, total	7440-21-3	E420/VA	0.10	mg/L	9.86	---	---	---	---	---
Silver, total	7440-22-4	E420/VA	0.000010	mg/L	<0.000010	---	---	---	---	---
Sodium, total	7440-23-5	E420/VA	0.050	mg/L	69.5	---	---	---	---	---
Strontium, total	7440-24-6	E420/VA	0.00020	mg/L	0.0127	---	---	---	---	---
Sulfur, total	7704-34-9	E420/VA	0.50	mg/L	1.72	---	---	---	---	---



## Analytical Results

Sub-Matrix: Water  
 (Matrix: Water)

					Client sample ID	WTP	----	----	----	----
					Client sampling date / time	09-Oct-2025 17:45	----	----	----	----
Analyte	CAS Number	Method/Lab	LOR	Unit	VA25C6864-001	----	----	----	----	----
						ResultMU	----	----	----	----
<b>Total Metals</b>										
Tellurium, total	13494-80-9	E420/VA	0.00020	mg/L	<0.00020	----	----	----	----	----
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	0.00081	----	----	----	----	----
Tungsten, total	7440-33-7	E420/VA	0.00010	mg/L	0.00021	----	----	----	----	----
Uranium, total	7440-61-1	E420/VA	0.000010	mg/L	<0.000010	----	----	----	----	----
Vanadium, total	7440-62-2	E420/VA	0.00050	mg/L	0.00539	----	----	----	----	----
Zinc, total	7440-66-6	E420/VA	0.0030	mg/L	0.0112	----	----	----	----	----
Zirconium, total	7440-67-7	E420/VA	0.00020	mg/L	<0.00020	----	----	----	----	----
<b>Dissolved Metals</b>										
Aluminum, dissolved	7429-90-5	E421/VA	0.0010	mg/L	0.110	----	----	----	----	----
Antimony, dissolved	7440-36-0	E421/VA	0.00010	mg/L	0.00021	----	----	----	----	----
Arsenic, dissolved	7440-38-2	E421/VA	0.00010	mg/L	0.00027	----	----	----	----	----
Barium, dissolved	7440-39-3	E421/VA	0.00010	mg/L	0.00124	----	----	----	----	----
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	0.014	----	----	----	----	----
Cadmium, dissolved	7440-43-9	E421/VA	0.0000050	mg/L	<0.0000100 <sup>DLM</sup>	----	----	----	----	----
Calcium, dissolved	7440-70-2	E421/VA	0.050	mg/L	0.949	----	----	----	----	----
Cesium, dissolved	7440-46-2	E421/VA	0.000010	mg/L	0.000026	----	----	----	----	----



### Analytical Results

Sub-Matrix: Water  
 (Matrix: Water)

					Client sample ID	WTP	---	---	---	---
					Client sampling date / time	09-Oct-2025 17:45	---	---	---	---
Analyte	CAS Number	Method/Lab	LOR	Unit	VA25C6864-001	---	---	---	---	
						ResultMU	---	---	---	---
<b>Dissolved Metals</b>										
Chromium, dissolved	7440-47-3	E421/VA	0.00050	mg/L	<0.00050	---	---	---	---	
Cobalt, dissolved	7440-48-4	E421/VA	0.00010	mg/L	<0.00010	---	---	---	---	
Copper, dissolved	7440-50-8	E421/VA	0.00020	mg/L	0.00115	---	---	---	---	
Iron, dissolved	7439-89-6	E421/VA	0.010	mg/L	0.073	---	---	---	---	
Lead, dissolved	7439-92-1	E421/VA	0.000050	mg/L	<0.000050	---	---	---	---	
Lithium, dissolved	7439-93-2	E421/VA	0.0010	mg/L	0.0012	---	---	---	---	
Magnesium, dissolved	7439-95-4	E421/VA	0.0050	mg/L	0.420	---	---	---	---	
Manganese, dissolved	7439-96-5	E421/VA	0.00010	mg/L	0.00056	---	---	---	---	
Mercury, dissolved	7439-97-6	E509/VA	0.0000050	mg/L	<0.0000050	---	---	---	---	
Molybdenum, dissolved	7439-98-7	E421/VA	0.000050	mg/L	0.0272	---	---	---	---	
Nickel, dissolved	7440-02-0	E421/VA	0.00050	mg/L	0.00071	---	---	---	---	
Phosphorus, dissolved	7723-14-0	E421/VA	0.050	mg/L	0.111	---	---	---	---	
Potassium, dissolved	7440-09-7	E421/VA	0.050	mg/L	4.69	---	---	---	---	
Rubidium, dissolved	7440-17-7	E421/VA	0.00020	mg/L	0.00123	---	---	---	---	
Selenium, dissolved	7782-49-2	E421/VA	0.000050	mg/L	<0.000050	---	---	---	---	
Silicon, dissolved	7440-21-3	E421/VA	0.050	mg/L	9.55	---	---	---	---	
Silver, dissolved	7440-22-4	E421/VA	0.000010	mg/L	<0.000010	---	---	---	---	
Sodium, dissolved	7440-23-5	E421/VA	0.050	mg/L	67.5	---	---	---	---	
Strontium, dissolved	7440-24-6	E421/VA	0.00020	mg/L	0.0114	---	---	---	---	
Sulfur, dissolved	7704-34-9	E421/VA	0.50	mg/L	1.58	---	---	---	---	
Tellurium, dissolved	13494-80-9	E421/VA	0.00020	mg/L	<0.00020	---	---	---	---	



### Analytical Results

Sub-Matrix: Water  
 (Matrix: Water)

					Client sample ID	WTP	----	----	----	----
					Client sampling date / time	09-Oct-2025 17:45	----	----	----	----
Analyte	CAS Number	Method/Lab	LOR	Unit	VA25C6864-001	----	----	----	----	
					ResultMU	----	----	----	----	
<b>Dissolved Metals</b>										
Thallium, dissolved	7440-28-0	E421/VA	0.000010	mg/L	<0.000010	----	----	----	----	
Thorium, dissolved	7440-29-1	E421/VA	0.00010	mg/L	<0.00010	----	----	----	----	
Tin, dissolved	7440-31-5	E421/VA	0.00010	mg/L	<0.00010	----	----	----	----	
Titanium, dissolved	7440-32-6	E421/VA	0.00030	mg/L	0.00037	----	----	----	----	
Tungsten, dissolved	7440-33-7	E421/VA	0.00010	mg/L	0.00020	----	----	----	----	
Uranium, dissolved	7440-61-1	E421/VA	0.000010	mg/L	<0.000010	----	----	----	----	
Vanadium, dissolved	7440-62-2	E421/VA	0.00050	mg/L	0.00487	----	----	----	----	
Zinc, dissolved	7440-66-6	E421/VA	0.0010	mg/L	0.0075	----	----	----	----	
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	----	----	----	----	
<b>Aggregate Organics</b>										
Phenols, total (4AAP)	----	E562/EO	0.0010	mg/L	<0.0010	----	----	----	----	
<b>Volatile Organic Compounds</b>										
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	----	----	----	----	



### Analytical Results

Sub-Matrix: Water  
 (Matrix: Water)

					Client sample ID	WTP	----	----	----	----
					Client sampling date / time	09-Oct-2025 17:45	----	----	----	----
Analyte	CAS Number	Method/Lab	LOR	Unit	VA25C6864-001	----	----	----	----	----
					ResultMU	----	----	----	----	----
<b>Volatile Organic Compounds</b>										
Dichloropropylene, cis+trans-1,3-	542-75-6	E611CVA	0.75	µg/L	<0.75	----	----	----	----	----
Tetrachloroethane, 1,1,1,2-	630-20-6	E611CVA	0.50	µg/L	<0.50	----	----	----	----	----
Tetrachloroethane, 1,1,2,2-	79-34-5	E611CVA	0.20	µg/L	<0.20	----	----	----	----	----
Trichloroethane, 1,1,2-	79-00-5	E611CVA	0.50	µg/L	<0.50	----	----	----	----	----
Trichlorofluoromethane	75-69-4	E611CVA	0.50	µg/L	<0.50	----	----	----	----	----
<b>Volatile Organic Compounds [Drycleaning]</b>										
Carbon tetrachloride	56-23-5	E611CVA	0.50	µg/L	<0.50	----	----	----	----	----
Chloroethane	75-00-3	E611CVA	0.50	µg/L	<0.50	----	----	----	----	----
Dichloroethane, 1,1-	75-34-3	E611CVA	0.50	µg/L	<0.50	----	----	----	----	----
Dichloroethane, 1,2-	107-06-2	E611CVA	0.50	µg/L	<0.50	----	----	----	----	----
Dichloroethylene, 1,1-	75-35-4	E611CVA	0.50	µg/L	<0.50	----	----	----	----	----
Dichloroethylene, cis-1,2-	156-59-2	E611CVA	0.50	µg/L	<0.50	----	----	----	----	----
Dichloroethylene, trans-1,2-	156-60-5	E611CVA	0.50	µg/L	<0.50	----	----	----	----	----
Dichloromethane	75-09-2	E611CVA	1.0	µg/L	<1.0	----	----	----	----	----
Dichloropropylene, trans-1,3-	10061-02-6	E611CVA	0.50	µg/L	<0.50	----	----	----	----	----
Tetrachloroethylene	127-18-4	E611CVA	0.50	µg/L	<0.50	----	----	----	----	----
Trichloroethane, 1,1,1-	71-55-6	E611CVA	0.50	µg/L	<0.50	----	----	----	----	----
Trichloroethylene	79-01-6	E611CVA	0.50	µg/L	<0.50	----	----	----	----	----
Vinyl chloride	75-01-4	E611CVA	0.40	µg/L	<0.40	----	----	----	----	----
<b>Volatile Organic Compounds [Fuels]</b>										
Benzene	71-43-2	E611CVA	0.50	µg/L	<0.50	----	----	----	----	----



## Analytical Results

Sub-Matrix: Water  
 (Matrix: Water)

					Client sample ID	WTP	---	---	---	---
					Client sampling date / time	09-Oct-2025 17:45	---	---	---	---
Analyte	CAS Number	Method/Lab	LOR	Unit	VA25C6864-001	---	---	---	---	---
						ResultMU	---	---	---	---
<b>Volatile Organic Compounds [Fuels]</b>										
Ethylbenzene	100-41-4	E611C/VA	0.50	µg/L	<0.50	---	---	---	---	---
Methyl-tert-butyl ether [MTBE]	1634-04-4	E611C/VA	0.50	µg/L	<0.50	---	---	---	---	---
Styrene	100-42-5	E611C/VA	0.50	µg/L	<0.50	---	---	---	---	---
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	---	---	---	---	---
<b>Volatile Organic Compounds [THMs]</b>										
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	---	---	---	---	---
<b>Hydrocarbons</b>										
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	---	---	---	---	---
<b>Hydrocarbons Surrogates</b>										
Bromobenzotrifluoride, 2- (EPH surrogate)	392-83-6	E601A/VA	1.0	%	82.9	---	---	---	---	---



## Analytical Results

Sub-Matrix: Water  
 (Matrix: Water)

					Client sample ID	WTP	---	---	---	---
					Client sampling date / time	09-Oct-2025 17:45	---	---	---	---
Analyte	CAS Number	Method/Lab	LOR	Unit	VA25C6864-001	---	---	---	---	---
						ResultMU	---	---	---	---
<b>Hydrocarbons Surrogates</b>										
Dichlorotoluene, 3,4-	95-75-0	E581.VH+F1/VA	1.0	%	95.8	---	---	---	---	---
<b>Volatile Organic Compounds Surrogates</b>										
Bromofluorobenzene, 4-	460-00-4	E611C/VA	1.0	%	95.8	---	---	---	---	---
Difluorobenzene, 1,4-	540-36-3	E611C/VA	1.0	%	99.4	---	---	---	---	---
<b>Polycyclic Aromatic Hydrocarbons</b>										
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	---	---	---	---	---



### Analytical Results

Sub-Matrix: Water  
 (Matrix: Water)

					Client sample ID	WTP	----	----	----	----
					Client sampling date / time	09-Oct-2025 17:45	----	----	----	----
Analyte	CAS Number	Method/Lab	LOR	Unit	VA25C6864-001	----	----	----	----	----
						ResultMU	----	----	----	----
<b>Polycyclic Aromatic Hydrocarbons</b>										
Methylnaphthalene, 2-	91-57-6	E641A/VA	0.010	µg/L	<0.010	----	----	----	----	----
Naphthalene	91-20-3	E641A/VA	0.050	µg/L	<0.050	----	----	----	----	----
Phenanthrene	85-01-8	E641A/VA	0.020	µg/L	<0.020	----	----	----	----	----
Pyrene	129-00-0	E641A/VA	0.010	µg/L	<0.010	----	----	----	----	----
Quinoline	91-22-5	E641A/VA	0.050	µg/L	<0.050	----	----	----	----	----
<b>Polycyclic Aromatic Hydrocarbons Surrogates</b>										
Chrysene-d12	1719-03-5	E641A/VA	0.1	%	94.0	----	----	----	----	----
Naphthalene-d8	1146-65-2	E641A/VA	0.1	%	100	----	----	----	----	----
Phenanthrene-d10	1517-22-2	E641A/VA	0.1	%	102	----	----	----	----	----
<b>Glycols</b>										
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	----	----	----	----	----
<b>Glycols Surrogates</b>										
Propanediol, 1,3-	504-63-2	E680E/VA	1.0	%	99.9	----	----	----	----	----

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

## QUALITY CONTROL REPORT

<b>Work Order</b>	: <b>VA25C6864</b>	<b>Page</b>	: 1 of 21
<b>Amendment</b>	: <b>1</b>		
<b>Client</b>	: Frontier-Kemper Michels Joint Venture	<b>Laboratory</b>	: ALS Environmental - Vancouver
<b>Contact</b>	: Sara Derakhshi	<b>Account Manager</b>	: Kevin Bhikadia
<b>Address</b>	: 404-850 Harbourside Drive North Vancouver BC Canada V7P 0A3	<b>Address</b>	: 8081 Lougheed Highway Burnaby, British Columbia Canada V5A 1W9
<b>Telephone</b>	: ----	<b>Telephone</b>	: +1 604 253 4188
<b>Project</b>	: EGP 150	<b>Date Samples Received</b>	: 09-Oct-2025 21:00
<b>PO</b>	: ----	<b>Date Analysis Commenced</b>	: 09-Oct-2025
<b>C-O-C number</b>	: 23-1085343	<b>Issue Date</b>	: 15-Oct-2025 15:58
<b>Sampler</b>	: ----		
<b>Site</b>	: BCR		
<b>Quote number</b>	: WTP Discharge		
<b>No. of samples received</b>	: 1		
<b>No. of samples analysed</b>	: 1		

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

This Quality Control Report contains the following information:

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

### Signatories

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

<i>Signatories</i>	<i>Position</i>	<i>Laboratory Department</i>
Chau Tran	Analyst	Vancouver Inorganics, Burnaby, British Columbia
Dinesha Hewabaddege	Analyst- General	Vancouver Inorganics, Burnaby, British Columbia
Erika Vanegas	Lab Assistant	Vancouver Metals, Burnaby, British Columbia
Harsha Attanayake	Laboratory Analyst	Vancouver Metals, Burnaby, British Columbia
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Monica Ko	Supervisor - Inorganic	Vancouver Inorganics, Burnaby, British Columbia
Paolo Obillo	Account Manager Assistant	Vancouver Administration, Burnaby, British Columbia
Robin Weeks	Supervisor - Organics Extractions	Vancouver Organics, Burnaby, British Columbia



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## 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

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

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### 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: <b>Water</b>					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
<b>Physical Tests (QC Lot: 2269204)</b>											
VA25C6864-001	WTP	Solids, total suspended [TSS]	----	E160	3.0	mg/L	<3.0	<3.0	0	Diff <2x LOR	----
<b>Physical Tests (QC Lot: 2269205)</b>											
VA25C6864-001	WTP	Solids, total dissolved [TDS]	----	E162	10	mg/L	212	210	1.42%	20%	----
<b>Physical Tests (QC Lot: 2269609)</b>											
VA25C6746-040	Anonymous	Turbidity	----	E121	0.10	NTU	152	152	0.00%	15%	----
<b>Physical Tests (QC Lot: 2269619)</b>											
VA25C6487-001	Anonymous	Oxidation-reduction potential [ORP]	----	E125	0.10	mV	292	291	0.171%	10%	----
<b>Physical Tests (QC Lot: 2269750)</b>											
VA25C6864-001	WTP	pH	----	E108	0.10	pH units	7.95	7.95	0.00%	4%	----
<b>Physical Tests (QC Lot: 2269752)</b>											
VA25C6864-001	WTP	Conductivity	----	E100	2.0	µS/cm	352	352	0.00%	10%	----
<b>Anions and Nutrients (QC Lot: 2269255)</b>											
VA25C6864-001	WTP	Ammonia, total (as N)	7664-41-7	E298	0.0050	mg/L	0.0509	0.0508	0.181%	20%	----
<b>Anions and Nutrients (QC Lot: 2272743)</b>											
VA25C6864-001	WTP	Nitrogen, total	7727-37-9	E366	0.150	mg/L	0.717	0.694	0.023	Diff <2x LOR	----
<b>Anions and Nutrients (QC Lot: 2272744)</b>											
FJ2503160-008	Anonymous	Phosphorus, total	7723-14-0	E372-U	0.0020	mg/L	0.0199	0.0230	14.4%	20%	----
<b>Anions and Nutrients (QC Lot: 2272893)</b>											
VA25C6864-001	WTP	Fluoride	16984-48-8	E235.F	0.020	mg/L	0.255	0.244	4.41%	20%	----
<b>Anions and Nutrients (QC Lot: 2272894)</b>											
VA25C6864-001	WTP	Chloride	16887-00-6	E235.Cl	0.50	mg/L	68.2	68.1	0.234%	20%	----
<b>Anions and Nutrients (QC Lot: 2272895)</b>											
VA25C6864-001	WTP	Bromide	24959-67-9	E235.Br-L	0.050	mg/L	0.188	0.186	0.002	Diff <2x LOR	----
<b>Anions and Nutrients (QC Lot: 2272896)</b>											
VA25C6864-001	WTP	Nitrate (as N)	14797-55-8	E235.NO3-L	0.0050	mg/L	0.497	0.497	0.0692%	20%	----
<b>Anions and Nutrients (QC Lot: 2272897)</b>											
VA25C6864-001	WTP	Nitrite (as N)	14797-65-0	E235.NO2-L	0.0010	mg/L	0.0123	0.0127	3.09%	20%	----
<b>Anions and Nutrients (QC Lot: 2272898)</b>											
VA25C6864-001	WTP	Sulfate (as SO4)	14808-79-8	E235.SO4	0.30	mg/L	5.67	5.64	0.601%	20%	----
<b>Organic / Inorganic Carbon (QC Lot: 2269256)</b>											



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
<b>Organic / Inorganic Carbon (QC Lot: 2269256) - continued</b>											
VA25C6864-001	WTP	Carbon, dissolved organic [DOC]	----	E358-L	0.50	mg/L	1.61	1.61	0.006	Diff <2x LOR	----
<b>Organic / Inorganic Carbon (QC Lot: 2272742)</b>											
FJ2503160-010	Anonymous	Carbon, total organic [TOC]	----	E355-L	0.50	mg/L	<0.50	<0.50	0	Diff <2x LOR	----
<b>Total Metals (QC Lot: 2269249)</b>											
VA25C6864-001	WTP	Aluminum, total	7429-90-5	E420	0.0030	mg/L	0.276	0.279	1.18%	20%	----
		Antimony, total	7440-36-0	E420	0.00010	mg/L	0.00022	0.00022	0.000005	Diff <2x LOR	----
		Arsenic, total	7440-38-2	E420	0.00010	mg/L	0.00035	0.00035	0.000002	Diff <2x LOR	----
		Barium, total	7440-39-3	E420	0.00010	mg/L	0.00145	0.00150	3.49%	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	0.014	0.014	0.0004	Diff <2x LOR	----
		Cadmium, total	7440-43-9	E420	0.0000100	mg/L	<0.0000100	<0.0000100	0	Diff <2x LOR	----
		Calcium, total	7440-70-2	E420	0.050	mg/L	1.01	1.06	4.11%	20%	----
		Cesium, total	7440-46-2	E420	0.000010	mg/L	0.000031	0.000030	0.0000009	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	0.00013	0.00013	0.000002	Diff <2x LOR	----
		Copper, total	7440-50-8	E420	0.00050	mg/L	0.00181	0.00179	0.00002	Diff <2x LOR	----
		Iron, total	7439-89-6	E420	0.010	mg/L	0.100	0.098	0.002	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	0.0013	0.0013	0.00004	Diff <2x LOR	----
		Magnesium, total	7439-95-4	E420	0.0050	mg/L	0.435	0.444	1.98%	20%	----
		Manganese, total	7439-96-5	E420	0.00010	mg/L	0.00105	0.00107	1.47%	20%	----
		Molybdenum, total	7439-98-7	E420	0.000050	mg/L	0.0264	0.0267	0.951%	20%	----
		Nickel, total	7440-02-0	E420	0.00050	mg/L	0.00090	0.00095	0.00005	Diff <2x LOR	----
		Phosphorus, total	7723-14-0	E420	0.050	mg/L	0.133	0.142	0.008	Diff <2x LOR	----
		Potassium, total	7440-09-7	E420	0.050	mg/L	4.81	4.94	2.55%	20%	----
		Rubidium, total	7440-17-7	E420	0.00020	mg/L	0.00129	0.00141	0.00012	Diff <2x LOR	----
		Selenium, total	7782-49-2	E420	0.000050	mg/L	0.000076	<0.000050	0.000026	Diff <2x LOR	----
		Silicon, total	7440-21-3	E420	0.10	mg/L	9.86	9.54	3.30%	20%	----
		Silver, total	7440-22-4	E420	0.000010	mg/L	<0.000010	<0.000010	0	Diff <2x LOR	----
		Sodium, total	7440-23-5	E420	0.050	mg/L	69.5	71.0	2.19%	20%	----
		Strontium, total	7440-24-6	E420	0.00020	mg/L	0.0127	0.0127	0.00744%	20%	----
		Sulfur, total	7704-34-9	E420	0.50	mg/L	1.72	1.56	0.16	Diff <2x LOR	----
		Tellurium, total	13494-80-9	E420	0.00020	mg/L	<0.00020	<0.00020	0	Diff <2x LOR	----



Sub-Matrix: Water					Laboratory Duplicate (DUP) Report						
Laboratory sample ID	Client sample ID	Analyte	CAS Number	Method	LOR	Unit	Original Result	Duplicate Result	RPD(%) or Difference	Duplicate Limits	Qualifier
<b>Total Metals (QC Lot: 2269249) - continued</b>											
VA25C6864-001	WTP	Thallium, total	7440-28-0	E420	0.000010	mg/L	<0.000010	<0.000010	0	Diff <2x LOR	----
		Thorium, total	7440-29-1	E420	0.000010	mg/L	<0.000010	<0.000010	0	Diff <2x LOR	----
		Tin, total	7440-31-5	E420	0.000010	mg/L	<0.000010	<0.000010	0	Diff <2x LOR	----
		Titanium, total	7440-32-6	E420	0.000030	mg/L	0.000081	0.000071	0.000009	Diff <2x LOR	----
		Tungsten, total	7440-33-7	E420	0.000010	mg/L	0.000021	0.000020	0.000007	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	0.000050	mg/L	0.00539	0.00547	1.46%	20%	----
		Zinc, total	7440-66-6	E420	0.0030	mg/L	0.0112	0.0115	0.0003	Diff <2x LOR	----
Zirconium, total	7440-67-7	E420	0.000020	mg/L	<0.000020	<0.000020	0	Diff <2x LOR	----		
<b>Total Metals (QC Lot: 2271637)</b>											
VA25C6864-001	WTP	Mercury, total	7439-97-6	E508	0.0000050	mg/L	<0.0000050	<0.0000050	0	Diff <2x LOR	----
<b>Dissolved Metals (QC Lot: 2269250)</b>											
VA25C6864-001	WTP	Aluminum, dissolved	7429-90-5	E421	0.0010	mg/L	0.110	0.107	2.85%	20%	----
		Antimony, dissolved	7440-36-0	E421	0.000010	mg/L	0.000021	0.000020	0.000005	Diff <2x LOR	----
		Arsenic, dissolved	7440-38-2	E421	0.000010	mg/L	0.000027	0.000031	0.000004	Diff <2x LOR	----
		Barium, dissolved	7440-39-3	E421	0.000010	mg/L	0.00124	0.00128	3.48%	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	0.014	0.014	0.00004	Diff <2x LOR	----
		Cadmium, dissolved	7440-43-9	E421	0.0000100	mg/L	<0.0000100	<0.0000100	0	Diff <2x LOR	----
		Calcium, dissolved	7440-70-2	E421	0.050	mg/L	0.949	0.933	1.78%	20%	----
		Cesium, dissolved	7440-46-2	E421	0.000010	mg/L	0.000026	0.000026	0.0000006	Diff <2x LOR	----
		Chromium, dissolved	7440-47-3	E421	0.000050	mg/L	<0.000050	<0.000050	0	Diff <2x LOR	----
		Cobalt, dissolved	7440-48-4	E421	0.000010	mg/L	<0.000010	<0.000010	0	Diff <2x LOR	----
		Copper, dissolved	7440-50-8	E421	0.000020	mg/L	0.00115	0.00118	0.00002	Diff <2x LOR	----
		Iron, dissolved	7439-89-6	E421	0.010	mg/L	0.073	0.074	0.0008	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	0.0012	0.0012	0.00002	Diff <2x LOR	----
		Magnesium, dissolved	7439-95-4	E421	0.0050	mg/L	0.420	0.417	0.732%	20%	----
		Manganese, dissolved	7439-96-5	E421	0.000010	mg/L	0.000056	0.000057	0.000010	Diff <2x LOR	----
		Molybdenum, dissolved	7439-98-7	E421	0.000050	mg/L	0.0272	0.0270	1.03%	20%	----
		Nickel, dissolved	7440-02-0	E421	0.000050	mg/L	0.000071	0.000069	0.00002	Diff <2x LOR	----
Phosphorus, dissolved	7723-14-0	E421	0.050	mg/L	0.111	0.088	0.023	Diff <2x LOR	----		
Potassium, dissolved	7440-09-7	E421	0.050	mg/L	4.69	4.67	0.424%	20%	----		



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
<b>Dissolved Metals (QC Lot: 2269250) - continued</b>											
VA25C6864-001	WTP	Rubidium, dissolved	7440-17-7	E421	0.00020	mg/L	0.00123	0.00119	0.00004	Diff <2x LOR	----
		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	9.55	9.82	2.83%	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	67.5	66.9	0.965%	20%	----
		Strontium, dissolved	7440-24-6	E421	0.00020	mg/L	0.0114	0.0113	1.38%	20%	----
		Sulfur, dissolved	7704-34-9	E421	0.50	mg/L	1.58	1.70	0.11	Diff <2x LOR	----
		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	0.00037	0.00039	0.00002	Diff <2x LOR	----
		Tungsten, dissolved	7440-33-7	E421	0.00010	mg/L	0.00020	0.00021	0.000009	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	0.00487	0.00479	0.00008	Diff <2x LOR	----
		Zinc, dissolved	7440-66-6	E421	0.0010	mg/L	0.0075	0.0074	0.00007	Diff <2x LOR	----
		Zirconium, dissolved	7440-67-7	E421	0.00020	mg/L	<0.00020	<0.00020	0	Diff <2x LOR	----
<b>Dissolved Metals (QC Lot: 2271658)</b>											
VA25C6864-001	WTP	Mercury, dissolved	7439-97-6	E509	0.0000050	mg/L	<0.0000050	<0.0000050	0	Diff <2x LOR	----
<b>Aggregate Organics (QC Lot: 2277463)</b>											
VA25C6864-001	WTP	Phenols, total (4AAP)	----	E562	0.0010	mg/L	<0.0010	<0.0010	0	Diff <2x LOR	----
<b>Volatile Organic Compounds (QC Lot: 2272934)</b>											
VA25C6424-001	Anonymous	Benzene	71-43-2	E611C	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----
		Bromodichloromethane	75-27-4	E611C	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----
		Bromoform	75-25-2	E611C	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----
		Carbon tetrachloride	56-23-5	E611C	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----
		Chlorobenzene	108-90-7	E611C	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----
		Chloroethane	75-00-3	E611C	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----
		Chloroform	67-66-3	E611C	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----
		Chloromethane	74-87-3	E611C	5.0	µg/L	<5.0	<5.0	0	Diff <2x LOR	----
		Dibromochloromethane	124-48-1	E611C	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----
		Dichlorobenzene, 1,2-	95-50-1	E611C	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----
		Dichlorobenzene, 1,3-	541-73-1	E611C	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----
		Dichlorobenzene, 1,4-	106-46-7	E611C	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----



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
<b>Volatile Organic Compounds (QC Lot: 2272934) - continued</b>											
VA25C6424-001	Anonymous	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, 1,1,1,2,2-	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	----
<b>Hydrocarbons (QC Lot: 2272933)</b>											
VA25C6424-001	Anonymous	VHw (C6-C10)	----	E581.VH+F1	100	µg/L	<100	<100	0.0%	30%	----
<b>Glycols (QC Lot: 2273034)</b>											
VA25C6864-001	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
<b>Physical Tests (QCLot: 2269204)</b>						
Solids, total suspended [TSS]	---	E160	3	mg/L	<3.0	---
<b>Physical Tests (QCLot: 2269205)</b>						
Solids, total dissolved [TDS]	---	E162	10	mg/L	<10	---
<b>Physical Tests (QCLot: 2269609)</b>						
Turbidity	---	E121	0.1	NTU	<0.10	---
<b>Physical Tests (QCLot: 2269751)</b>						
Alkalinity, bicarbonate (as CaCO <sub>3</sub> )	---	E290	1	mg/L	<1.0	---
Alkalinity, carbonate (as CaCO <sub>3</sub> )	---	E290	1	mg/L	<1.0	---
Alkalinity, hydroxide (as CaCO <sub>3</sub> )	---	E290	1	mg/L	<1.0	---
Alkalinity, phenolphthalein (as CaCO <sub>3</sub> )	---	E290	1	mg/L	<1.0	---
Alkalinity, total (as CaCO <sub>3</sub> )	---	E290	1	mg/L	<1.0	---
<b>Physical Tests (QCLot: 2269752)</b>						
Conductivity	---	E100	1	µS/cm	<1.0	---
<b>Anions and Nutrients (QCLot: 2269255)</b>						
Ammonia, total (as N)	7664-41-7	E298	0.005	mg/L	<0.0050	---
<b>Anions and Nutrients (QCLot: 2272743)</b>						
Nitrogen, total	7727-37-9	E366	0.03	mg/L	<0.030	---
<b>Anions and Nutrients (QCLot: 2272744)</b>						
Phosphorus, total	7723-14-0	E372-U	0.002	mg/L	<0.0020	---
<b>Anions and Nutrients (QCLot: 2272893)</b>						
Fluoride	16984-48-8	E235.F	0.02	mg/L	<0.020	---
<b>Anions and Nutrients (QCLot: 2272894)</b>						
Chloride	16887-00-6	E235.Cl	0.5	mg/L	<0.50	---
<b>Anions and Nutrients (QCLot: 2272895)</b>						
Bromide	24959-67-9	E235.Br-L	0.05	mg/L	<0.050	---
<b>Anions and Nutrients (QCLot: 2272896)</b>						
Nitrate (as N)	14797-55-8	E235.NO3-L	0.005	mg/L	<0.0050	---
<b>Anions and Nutrients (QCLot: 2272897)</b>						
Nitrite (as N)	14797-65-0	E235.NO2-L	0.001	mg/L	<0.0010	---
<b>Anions and Nutrients (QCLot: 2272898)</b>						
Sulfate (as SO <sub>4</sub> )	14808-79-8	E235.SO4	0.3	mg/L	<0.30	---
<b>Organic / Inorganic Carbon (QCLot: 2269256)</b>						



Sub-Matrix: **Water**

Analyte	CAS Number	Method	LOR	Unit	Result	Qualifier
<b>Organic / Inorganic Carbon (QCLot: 2269256) - continued</b>						
Carbon, dissolved organic [DOC]	---	E358-L	0.5	mg/L	<0.50	---
<b>Organic / Inorganic Carbon (QCLot: 2272742)</b>						
Carbon, total organic [TOC]	---	E355-L	0.5	mg/L	<0.50	---
<b>Total Metals (QCLot: 2269249)</b>						
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
<b>Total Metals (QCLot: 2269249) - continued</b>						
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	----
<b>Total Metals (QCLot: 2271637)</b>						
Mercury, total	7439-97-6	E508	0.000005	mg/L	<0.0000050	----
<b>Dissolved Metals (QCLot: 2269250)</b>						
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
<b>Dissolved Metals (QCLot: 2269250) - continued</b>						
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	----
<b>Dissolved Metals (QCLot: 2271658)</b>						
Mercury, dissolved	7439-97-6	E509	0.000005	mg/L	<0.0000050	----
<b>Aggregate Organics (QCLot: 2277463)</b>						
Phenols, total (4AAP)	----	E562	0.001	mg/L	<0.0010	----
<b>Volatile Organic Compounds (QCLot: 2272934)</b>						
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
<b>Volatile Organic Compounds (QCLot: 2272934) - continued</b>						
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	----
<b>Hydrocarbons (QCLot: 2272933)</b>						
VHw (C6-C10)	----	E581.VH+F1	100	µg/L	<100	----
<b>Hydrocarbons (QCLot: 2274974)</b>						
EPH (C10-C19)	----	E601A	250	µg/L	<250	----
EPH (C19-C32)	----	E601A	250	µg/L	<250	----
<b>Polycyclic Aromatic Hydrocarbons (QCLot: 2274975)</b>						
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
<b>Polycyclic Aromatic Hydrocarbons (QCLot: 2274975) - continued</b>						
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	----
<b>Glycols (QCLot: 2273034)</b>						
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
<b>Physical Tests (QCLot: 2269204)</b>									
Solids, total suspended [TSS]	----	E160	3	mg/L	150 mg/L	90.5	85.0	115	----
<b>Physical Tests (QCLot: 2269205)</b>									
Solids, total dissolved [TDS]	----	E162	10	mg/L	1000 mg/L	104	85.0	115	----
<b>Physical Tests (QCLot: 2269609)</b>									
Turbidity	----	E121	0.1	NTU	200 NTU	99.5	85.0	115	----
<b>Physical Tests (QCLot: 2269750)</b>									
pH	----	E108	----	pH units	7 pH units	99.7	98.0	102	----
<b>Physical Tests (QCLot: 2269751)</b>									
Alkalinity, phenolphthalein (as CaCO <sub>3</sub> )	----	E290	1	mg/L	229 mg/L	108	75.0	125	----
Alkalinity, total (as CaCO <sub>3</sub> )	----	E290	1	mg/L	500 mg/L	100	85.0	115	----
<b>Physical Tests (QCLot: 2269752)</b>									
Conductivity	----	E100	1	µS/cm	147 µS/cm	98.6	90.0	110	----
<b>Anions and Nutrients (QCLot: 2269255)</b>									
Ammonia, total (as N)	7664-41-7	E298	0.005	mg/L	0.2 mg/L	95.6	85.0	115	----
<b>Anions and Nutrients (QCLot: 2272743)</b>									
Nitrogen, total	7727-37-9	E366	0.03	mg/L	0.5 mg/L	103	75.0	125	----
<b>Anions and Nutrients (QCLot: 2272744)</b>									
Phosphorus, total	7723-14-0	E372-U	0.002	mg/L	0.05 mg/L	92.2	80.0	120	----
<b>Anions and Nutrients (QCLot: 2272893)</b>									
Fluoride	16984-48-8	E235.F	0.02	mg/L	1 mg/L	97.0	90.0	110	----
<b>Anions and Nutrients (QCLot: 2272894)</b>									
Chloride	16887-00-6	E235.Cl	0.5	mg/L	100 mg/L	100	90.0	110	----
<b>Anions and Nutrients (QCLot: 2272895)</b>									
Bromide	24959-67-9	E235.Br-L	0.05	mg/L	0.5 mg/L	107	85.0	115	----
<b>Anions and Nutrients (QCLot: 2272896)</b>									
Nitrate (as N)	14797-55-8	E235.NO3-L	0.005	mg/L	2.5 mg/L	100	90.0	110	----
<b>Anions and Nutrients (QCLot: 2272897)</b>									
Nitrite (as N)	14797-65-0	E235.NO2-L	0.001	mg/L	0.5 mg/L	98.0	90.0	110	----
<b>Anions and Nutrients (QCLot: 2272898)</b>									
Sulfate (as SO <sub>4</sub> )	14808-79-8	E235.SO4	0.3	mg/L	100 mg/L	102	90.0	110	----



Sub-Matrix: <b>Water</b>					Laboratory Control Sample (LCS) Report				
					<i>Spike</i>	<i>Recovery (%)</i>	<i>Recovery Limits (%)</i>		<i>Qualifier</i>
<i>Analyte</i>	<i>CAS Number</i>	<i>Method</i>	<i>LOR</i>	<i>Unit</i>	<i>Target Concentration</i>	<i>LCS</i>	<i>Low</i>	<i>High</i>	
<b>Organic / Inorganic Carbon (QCLot: 2269256)</b>									
Carbon, dissolved organic [DOC]	---	E358-L	0.5	mg/L	8.57 mg/L	104	80.0	120	---
<b>Organic / Inorganic Carbon (QCLot: 2272742)</b>									
Carbon, total organic [TOC]	---	E355-L	0.5	mg/L	8.57 mg/L	104	80.0	120	---
<b>Total Metals (QCLot: 2269249)</b>									
Aluminum, total	7429-90-5	E420	0.003	mg/L	2 mg/L	100	80.0	120	---
Antimony, total	7440-36-0	E420	0.0001	mg/L	1 mg/L	97.4	80.0	120	---
Arsenic, total	7440-38-2	E420	0.0001	mg/L	1 mg/L	101	80.0	120	---
Barium, total	7440-39-3	E420	0.0001	mg/L	0.25 mg/L	98.8	80.0	120	---
Beryllium, total	7440-41-7	E420	0.00002	mg/L	0.1 mg/L	101	80.0	120	---
Bismuth, total	7440-69-9	E420	0.00005	mg/L	1 mg/L	102	80.0	120	---
Boron, total	7440-42-8	E420	0.01	mg/L	1 mg/L	95.8	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	99.6	80.0	120	---
Cesium, total	7440-46-2	E420	0.00001	mg/L	0.05 mg/L	102	80.0	120	---
Chromium, total	7440-47-3	E420	0.0005	mg/L	0.25 mg/L	101	80.0	120	---
Cobalt, total	7440-48-4	E420	0.0001	mg/L	0.25 mg/L	100	80.0	120	---
Copper, total	7440-50-8	E420	0.0005	mg/L	0.25 mg/L	102	80.0	120	---
Iron, total	7439-89-6	E420	0.01	mg/L	1 mg/L	103	80.0	120	---
Lead, total	7439-92-1	E420	0.00005	mg/L	0.5 mg/L	102	80.0	120	---
Lithium, total	7439-93-2	E420	0.001	mg/L	0.25 mg/L	102	80.0	120	---
Magnesium, total	7439-95-4	E420	0.005	mg/L	50 mg/L	103	80.0	120	---
Manganese, total	7439-96-5	E420	0.0001	mg/L	0.25 mg/L	104	80.0	120	---
Molybdenum, total	7439-98-7	E420	0.00005	mg/L	0.25 mg/L	103	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	99.4	80.0	120	---
Rubidium, total	7440-17-7	E420	0.0002	mg/L	0.1 mg/L	97.2	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	111	80.0	120	---
Silver, total	7440-22-4	E420	0.00001	mg/L	0.1 mg/L	95.5	80.0	120	---
Sodium, total	7440-23-5	E420	0.05	mg/L	50 mg/L	108	80.0	120	---
Strontium, total	7440-24-6	E420	0.0002	mg/L	0.25 mg/L	103	80.0	120	---
Sulfur, total	7704-34-9	E420	0.5	mg/L	50 mg/L	89.6	80.0	120	---
Tellurium, total	13494-80-9	E420	0.0002	mg/L	0.1 mg/L	101	80.0	120	---
Thallium, total	7440-28-0	E420	0.00001	mg/L	1 mg/L	103	80.0	120	---



Sub-Matrix: **Water**

					Laboratory Control Sample (LCS) Report				
					Spike	Recovery (%)	Recovery Limits (%)		
Analyte	CAS Number	Method	LOR	Unit	Target Concentration	LCS	Low	High	Qualifier
<b>Total Metals (QCLot: 2269249) - continued</b>									
Thorium, total	7440-29-1	E420	0.0001	mg/L	0.1 mg/L	99.2	80.0	120	----
Tin, total	7440-31-5	E420	0.0001	mg/L	0.5 mg/L	99.7	80.0	120	----
Titanium, total	7440-32-6	E420	0.0003	mg/L	0.25 mg/L	98.1	80.0	120	----
Tungsten, total	7440-33-7	E420	0.0001	mg/L	0.1 mg/L	99.1	80.0	120	----
Uranium, total	7440-61-1	E420	0.00001	mg/L	0.005 mg/L	104	80.0	120	----
Vanadium, total	7440-62-2	E420	0.0005	mg/L	0.5 mg/L	101	80.0	120	----
Zinc, total	7440-66-6	E420	0.003	mg/L	0.5 mg/L	99.6	80.0	120	----
Zirconium, total	7440-67-7	E420	0.0002	mg/L	0.1 mg/L	103	80.0	120	----
<b>Total Metals (QCLot: 2271637)</b>									
Mercury, total	7439-97-6	E508	0.000005	mg/L	0 mg/L	94.0	80.0	120	----
<b>Dissolved Metals (QCLot: 2269250)</b>									
Aluminum, dissolved	7429-90-5	E421	0.001	mg/L	2 mg/L	102	80.0	120	----
Antimony, dissolved	7440-36-0	E421	0.0001	mg/L	1 mg/L	99.4	80.0	120	----
Arsenic, dissolved	7440-38-2	E421	0.0001	mg/L	1 mg/L	102	80.0	120	----
Barium, dissolved	7440-39-3	E421	0.0001	mg/L	0.25 mg/L	101	80.0	120	----
Beryllium, dissolved	7440-41-7	E421	0.00002	mg/L	0.1 mg/L	98.7	80.0	120	----
Bismuth, dissolved	7440-69-9	E421	0.00005	mg/L	1 mg/L	101	80.0	120	----
Boron, dissolved	7440-42-8	E421	0.01	mg/L	1 mg/L	95.4	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	99.6	80.0	120	----
Cesium, dissolved	7440-46-2	E421	0.00001	mg/L	0.05 mg/L	102	80.0	120	----
Chromium, dissolved	7440-47-3	E421	0.0005	mg/L	0.25 mg/L	99.8	80.0	120	----
Cobalt, dissolved	7440-48-4	E421	0.0001	mg/L	0.25 mg/L	99.1	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	104	80.0	120	----
Lead, dissolved	7439-92-1	E421	0.00005	mg/L	0.5 mg/L	104	80.0	120	----
Lithium, dissolved	7439-93-2	E421	0.001	mg/L	0.25 mg/L	102	80.0	120	----
Magnesium, dissolved	7439-95-4	E421	0.005	mg/L	50 mg/L	102	80.0	120	----
Manganese, dissolved	7439-96-5	E421	0.0001	mg/L	0.25 mg/L	107	80.0	120	----
Molybdenum, dissolved	7439-98-7	E421	0.00005	mg/L	0.25 mg/L	106	80.0	120	----
Nickel, dissolved	7440-02-0	E421	0.0005	mg/L	0.5 mg/L	102	80.0	120	----
Phosphorus, dissolved	7723-14-0	E421	0.05	mg/L	10 mg/L	100	80.0	120	----
Potassium, dissolved	7440-09-7	E421	0.05	mg/L	50 mg/L	99.2	80.0	120	----
Rubidium, dissolved	7440-17-7	E421	0.0002	mg/L	0.1 mg/L	102	80.0	120	----
Selenium, dissolved	7782-49-2	E421	0.00005	mg/L	1 mg/L	101	80.0	120	----



Sub-Matrix: **Water**

					Laboratory Control Sample (LCS) Report				
					Spike	Recovery (%)	Recovery Limits (%)		
Analyte	CAS Number	Method	LOR	Unit	Target Concentration	LCS	Low	High	Qualifier
<b>Dissolved Metals (QCLot: 2269250) - continued</b>									
Silicon, dissolved	7440-21-3	E421	0.05	mg/L	10 mg/L	108	80.0	120	----
Silver, dissolved	7440-22-4	E421	0.00001	mg/L	0.1 mg/L	97.0	80.0	120	----
Sodium, dissolved	7440-23-5	E421	0.05	mg/L	50 mg/L	104	80.0	120	----
Strontium, dissolved	7440-24-6	E421	0.0002	mg/L	0.25 mg/L	105	80.0	120	----
Sulfur, dissolved	7704-34-9	E421	0.5	mg/L	50 mg/L	89.3	80.0	120	----
Tellurium, dissolved	13494-80-9	E421	0.0002	mg/L	0.1 mg/L	104	80.0	120	----
Thallium, dissolved	7440-28-0	E421	0.00001	mg/L	1 mg/L	101	80.0	120	----
Thorium, dissolved	7440-29-1	E421	0.0001	mg/L	0.1 mg/L	100	80.0	120	----
Tin, dissolved	7440-31-5	E421	0.0001	mg/L	0.5 mg/L	99.6	80.0	120	----
Titanium, dissolved	7440-32-6	E421	0.0003	mg/L	0.25 mg/L	98.0	80.0	120	----
Tungsten, dissolved	7440-33-7	E421	0.0001	mg/L	0.1 mg/L	101	80.0	120	----
Uranium, dissolved	7440-61-1	E421	0.00001	mg/L	0.005 mg/L	108	80.0	120	----
Vanadium, dissolved	7440-62-2	E421	0.0005	mg/L	0.5 mg/L	101	80.0	120	----
Zinc, dissolved	7440-66-6	E421	0.001	mg/L	0.5 mg/L	99.8	80.0	120	----
Zirconium, dissolved	7440-67-7	E421	0.0002	mg/L	0.1 mg/L	104	80.0	120	----
Mercury, dissolved	7439-97-6	E509	0.000005	mg/L	0 mg/L	94.0	80.0	120	----
<b>Aggregate Organics (QCLot: 2277463)</b>									
Phenols, total (4AAP)	----	E562	0.001	mg/L	0.02 mg/L	97.4	85.0	115	----
<b>Volatile Organic Compounds (QCLot: 2272934)</b>									
Benzene	71-43-2	E611C	0.5	µg/L	100 µg/L	95.6	70.0	130	----
Bromodichloromethane	75-27-4	E611C	0.5	µg/L	100 µg/L	90.3	70.0	130	----
Bromoform	75-25-2	E611C	0.5	µg/L	100 µg/L	108	70.0	130	----
Carbon tetrachloride	56-23-5	E611C	0.5	µg/L	100 µg/L	98.9	70.0	130	----
Chlorobenzene	108-90-7	E611C	0.5	µg/L	100 µg/L	95.1	70.0	130	----
Chloroethane	75-00-3	E611C	0.5	µg/L	100 µg/L	92.8	60.0	140	----
Chloroform	67-66-3	E611C	0.5	µg/L	100 µg/L	93.0	70.0	130	----
Chloromethane	74-87-3	E611C	5	µg/L	100 µg/L	84.0	60.0	140	----
Dibromochloromethane	124-48-1	E611C	0.5	µg/L	100 µg/L	98.9	70.0	130	----
Dichlorobenzene, 1,2-	95-50-1	E611C	0.5	µg/L	100 µg/L	100	70.0	130	----
Dichlorobenzene, 1,3-	541-73-1	E611C	0.5	µg/L	100 µg/L	102	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	93.1	70.0	130	----
Dichloroethane, 1,2-	107-06-2	E611C	0.5	µg/L	100 µg/L	88.0	70.0	130	----
Dichloroethylene, 1,1-	75-35-4	E611C	0.5	µg/L	100 µg/L	84.4	70.0	130	----



Sub-Matrix: **Water**

					Laboratory Control Sample (LCS) Report				
					Spike	Recovery (%)	Recovery Limits (%)		
Analyte	CAS Number	Method	LOR	Unit	Target Concentration	LCS	Low	High	Qualifier
<b>Volatile Organic Compounds (QCLot: 2272934) - continued</b>									
Dichloroethylene, cis-1,2-	156-59-2	E611C	0.5	µg/L	100 µg/L	87.8	70.0	130	----
Dichloroethylene, trans-1,2-	156-60-5	E611C	0.5	µg/L	100 µg/L	97.7	70.0	130	----
Dichloromethane	75-09-2	E611C	1	µg/L	100 µg/L	92.5	70.0	130	----
Dichloropropane, 1,2-	78-87-5	E611C	0.5	µg/L	100 µg/L	94.0	70.0	130	----
Dichloropropylene, cis-1,3-	10061-01-5	E611C	0.5	µg/L	100 µg/L	101	70.0	130	----
Dichloropropylene, trans-1,3-	10061-02-6	E611C	0.5	µg/L	100 µg/L	103	70.0	130	----
Ethylbenzene	100-41-4	E611C	0.5	µg/L	100 µg/L	105	70.0	130	----
Methyl-tert-butyl ether [MTBE]	1634-04-4	E611C	0.5	µg/L	100 µg/L	95.7	70.0	130	----
Styrene	100-42-5	E611C	0.5	µg/L	100 µg/L	106	70.0	130	----
Tetrachloroethane, 1,1,1,2-	630-20-6	E611C	0.5	µg/L	100 µg/L	97.8	70.0	130	----
Tetrachloroethane, 1,1,2,2-	79-34-5	E611C	0.2	µg/L	100 µg/L	88.9	70.0	130	----
Tetrachloroethylene	127-18-4	E611C	0.5	µg/L	100 µg/L	100	70.0	130	----
Toluene	108-88-3	E611C	0.4	µg/L	100 µg/L	98.5	70.0	130	----
Trichloroethane, 1,1,1-	71-55-6	E611C	0.5	µg/L	100 µg/L	98.0	70.0	130	----
Trichloroethane, 1,1,2-	79-00-5	E611C	0.5	µg/L	100 µg/L	89.1	70.0	130	----
Trichloroethylene	79-01-6	E611C	0.5	µg/L	100 µg/L	99.0	70.0	130	----
Trichlorofluoromethane	75-69-4	E611C	0.5	µg/L	100 µg/L	108	60.0	140	----
Vinyl chloride	75-01-4	E611C	0.4	µg/L	100 µg/L	88.9	60.0	140	----
Xylene, m+p-	179601-23-1	E611C	0.4	µg/L	200 µg/L	107	70.0	130	----
Xylene, o-	95-47-6	E611C	0.3	µg/L	100 µg/L	100	70.0	130	----
<b>Hydrocarbons (QCLot: 2272933)</b>									
VHw (C6-C10)	---	E581.VH+F1	100	µg/L	6310 µg/L	96.2	70.0	130	----
<b>Hydrocarbons (QCLot: 2274974)</b>									
EPH (C10-C19)	---	E601A	250	µg/L	6490 µg/L	98.1	70.0	130	----
EPH (C19-C32)	---	E601A	250	µg/L	3360 µg/L	103	70.0	130	----
<b>Polycyclic Aromatic Hydrocarbons (QCLot: 2274975)</b>									
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	101	60.0	130	----
Acridine	260-94-6	E641A	0.01	µg/L	0.5 µg/L	96.5	60.0	130	----
Anthracene	120-12-7	E641A	0.01	µg/L	0.5 µg/L	103	60.0	130	----
Benz(a)anthracene	56-55-3	E641A	0.01	µg/L	0.5 µg/L	99.0	60.0	130	----
Benzo(a)pyrene	50-32-8	E641A	0.005	µg/L	0.5 µg/L	98.2	60.0	130	----
Benzo(b+j)fluoranthene	n/a	E641A	0.01	µg/L	0.5 µg/L	104	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 (%)		
Analyte	CAS Number	Method	LOR	Unit	Target Concentration	LCS	Low	High	Qualifier
<b>Polycyclic Aromatic Hydrocarbons (QCLot: 2274975) - continued</b>									
Benzo(k)fluoranthene	207-08-9	E641A	0.01	µg/L	0.5 µg/L	98.4	60.0	130	----
Chrysene	218-01-9	E641A	0.01	µg/L	0.5 µg/L	102	60.0	130	----
Dibenz(a,h)anthracene	53-70-3	E641A	0.005	µg/L	0.5 µg/L	107	60.0	130	----
Fluoranthene	206-44-0	E641A	0.01	µg/L	0.5 µg/L	104	60.0	130	----
Fluorene	86-73-7	E641A	0.01	µg/L	0.5 µg/L	99.2	60.0	130	----
Indeno(1,2,3-c,d)pyrene	193-39-5	E641A	0.01	µg/L	0.5 µg/L	104	60.0	130	----
Methylnaphthalene, 1-	90-12-0	E641A	0.01	µg/L	0.5 µg/L	96.9	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	104	50.0	130	----
Phenanthrene	85-01-8	E641A	0.02	µg/L	0.5 µg/L	106	60.0	130	----
Pyrene	129-00-0	E641A	0.01	µg/L	0.5 µg/L	105	60.0	130	----
Quinoline	91-22-5	E641A	0.05	µg/L	0.5 µg/L	92.8	60.0	130	----
<b>Glycols (QCLot: 2273034)</b>									
Diethylene glycol	111-46-6	E680E	5	mg/L	25 mg/L	99.8	70.0	130	----
Ethylene glycol	107-21-1	E680E	5	mg/L	25 mg/L	99.4	70.0	130	----
Propylene glycol, 1,2-	57-55-6	E680E	5	mg/L	25 mg/L	98.5	70.0	130	----
Triethylene glycol	112-27-6	E680E	5	mg/L	25 mg/L	101	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
<b>Anions and Nutrients (QCLot: 2272743)</b>										
VA25C6974-008	Anonymous	Nitrogen, total	7727-37-9	E366	0.377 mg/L	0.4 mg/L	94.2	70.0	130	----
<b>Anions and Nutrients (QCLot: 2272744)</b>										
FJ2503160-009	Anonymous	Phosphorus, total	7723-14-0	E372-U	0.0477 mg/L	0.05 mg/L	95.5	70.0	130	----
<b>Anions and Nutrients (QCLot: 2272893)</b>										
VA25C7022-002	Anonymous	Fluoride	16984-48-8	E235.F	1.06 mg/L	1 mg/L	106	75.0	125	----
<b>Anions and Nutrients (QCLot: 2272894)</b>										
VA25C7022-002	Anonymous	Chloride	16887-00-6	E235.Cl	104 mg/L	100 mg/L	104	75.0	125	----
<b>Anions and Nutrients (QCLot: 2272895)</b>										
VA25C7022-002	Anonymous	Bromide	24959-67-9	E235.Br-L	0.517 mg/L	0.5 mg/L	103	75.0	125	----
<b>Anions and Nutrients (QCLot: 2272896)</b>										
VA25C7022-002	Anonymous	Nitrate (as N)	14797-55-8	E235.NO3-L	2.58 mg/L	2.5 mg/L	103	75.0	125	----
<b>Anions and Nutrients (QCLot: 2272897)</b>										
VA25C7022-002	Anonymous	Nitrite (as N)	14797-65-0	E235.NO2-L	0.506 mg/L	0.5 mg/L	101	75.0	125	----
<b>Anions and Nutrients (QCLot: 2272898)</b>										
VA25C7022-002	Anonymous	Sulfate (as SO4)	14808-79-8	E235.SO4	ND mg/L	----	ND	75.0	125	----
<b>Organic / Inorganic Carbon (QCLot: 2272742)</b>										
FJ2503160-011	Anonymous	Carbon, total organic [TOC]	----	E355-L	5.20 mg/L	5 mg/L	104	70.0	130	----
<b>Aggregate Organics (QCLot: 2277463)</b>										
VA25C6864-001	WTP	Phenols, total (4AAP)	----	E562	0.0216 mg/L	0.02 mg/L	108	75.0	125	----
<b>Volatile Organic Compounds (QCLot: 2272934)</b>										
VA25C6424-002	Anonymous	Benzene	71-43-2	E611C	94.6 µg/L	100 µg/L	94.6	60.0	140	----
		Bromodichloromethane	75-27-4	E611C	92.8 µg/L	100 µg/L	92.8	60.0	140	----
		Bromoform	75-25-2	E611C	108 µg/L	100 µg/L	108	60.0	140	----
		Carbon tetrachloride	56-23-5	E611C	96.6 µg/L	100 µg/L	96.6	60.0	140	----
		Chlorobenzene	108-90-7	E611C	95.6 µg/L	100 µg/L	95.6	60.0	140	----
		Chloroethane	75-00-3	E611C	75.4 µg/L	100 µg/L	75.4	50.0	150	----
		Chloroform	67-66-3	E611C	93.8 µg/L	100 µg/L	93.8	60.0	140	----
		Chloromethane	74-87-3	E611C	56.0 µg/L	100 µg/L	56.0	50.0	150	----
		Dibromochloromethane	124-48-1	E611C	100 µg/L	100 µg/L	100	60.0	140	----
		Dichlorobenzene, 1,2-	95-50-1	E611C	99.5 µg/L	100 µg/L	99.5	60.0	140	----
		Dichlorobenzene, 1,3-	541-73-1	E611C	101 µg/L	100 µg/L	101	60.0	140	----
		Dichlorobenzene, 1,4-	106-46-7	E611C	103 µg/L	100 µg/L	103	60.0	140	----
		Dichloroethane, 1,1-	75-34-3	E611C	91.0 µg/L	100 µg/L	91.0	60.0	140	----



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
<b>Volatile Organic Compounds (QCLot: 2272934) - continued</b>										
VA25C6424-002	Anonymous	Dichloroethane, 1,2-	107-06-2	E611C	89.8 µg/L	100 µg/L	89.8	60.0	140	----
		Dichloroethylene, 1,1-	75-35-4	E611C	74.4 µg/L	100 µg/L	74.4	60.0	140	----
		Dichloroethylene, cis-1,2-	156-59-2	E611C	87.6 µg/L	100 µg/L	87.6	60.0	140	----
		Dichloroethylene, trans-1,2-	156-60-5	E611C	92.5 µg/L	100 µg/L	92.5	60.0	140	----
		Dichloromethane	75-09-2	E611C	90.0 µg/L	100 µg/L	90.0	60.0	140	----
		Dichloropropane, 1,2-	78-87-5	E611C	96.0 µg/L	100 µg/L	96.0	60.0	140	----
		Dichloropropylene, cis-1,3-	10061-01-5	E611C	104 µg/L	100 µg/L	104	60.0	140	----
		Dichloropropylene, trans-1,3-	10061-02-6	E611C	105 µg/L	100 µg/L	105	60.0	140	----
		Ethylbenzene	100-41-4	E611C	105 µg/L	100 µg/L	105	60.0	140	----
		Methyl-tert-butyl ether [MTBE]	1634-04-4	E611C	102 µg/L	100 µg/L	102	60.0	140	----
		Styrene	100-42-5	E611C	107 µg/L	100 µg/L	107	60.0	140	----
		Tetrachloroethane, 1,1,1,2-	630-20-6	E611C	98.6 µg/L	100 µg/L	98.6	60.0	140	----
		Tetrachloroethane, 1,1,2,2-	79-34-5	E611C	89.2 µg/L	100 µg/L	89.2	60.0	140	----
		Tetrachloroethylene	127-18-4	E611C	98.5 µg/L	100 µg/L	98.5	60.0	140	----
		Toluene	108-88-3	E611C	97.7 µg/L	100 µg/L	97.7	60.0	140	----
		Trichloroethane, 1,1,1-	71-55-6	E611C	96.0 µg/L	100 µg/L	96.0	60.0	140	----
		Trichloroethane, 1,1,2-	79-00-5	E611C	91.0 µg/L	100 µg/L	91.0	60.0	140	----
		Trichloroethylene	79-01-6	E611C	98.6 µg/L	100 µg/L	98.6	60.0	140	----
		Trichlorofluoromethane	75-69-4	E611C	88.7 µg/L	100 µg/L	88.7	50.0	150	----
		Vinyl chloride	75-01-4	E611C	62.8 µg/L	100 µg/L	62.8	50.0	150	----
		Xylene, m+p-	179601-23-1	E611C	213 µg/L	200 µg/L	106	60.0	140	----
		Xylene, o-	95-47-6	E611C	100 µg/L	100 µg/L	100	60.0	140	----
<b>Hydrocarbons (QCLot: 2272933)</b>										
VA25C6424-003	Anonymous	VHw (C6-C10)	----	E581.VH+F1	5320 µg/L	6310 µg/L	84.4	60.0	140	----

**Reference Material (RM) Report**

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

Sub-Matrix:

					Reference Material (RM) Report					
					RM Target	Recovery (%)	Recovery Limits (%)			
Laboratory sample ID	Reference Material ID	Analyte	CAS Number	Method	Concentration	RM	Low	High	Qualifier	
<b>Physical Tests (QCLot: 2269619)</b>										
QC-2269619-001	RM	Oxidation-reduction potential [ORP]	----	E125	220 mV	101	95.0	105	----	

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## QUALITY CONTROL INTERPRETIVE REPORT

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<p><b>Work Order</b> : <b>VA25C6864</b></p> <p><b>Amendment</b> : <b>1</b></p> <p><b>Client</b> : <b>Frontier-Kemper Michels Joint Venture</b></p> <p><b>Contact</b> : Sara Derakhshi</p> <p><b>Address</b> : 404-850 Harbourside Drive North Vancouver BC Canada V7P 0A3</p> <p><b>Telephone</b> : ----</p> <p><b>Project</b> : EGP 150</p> <p><b>PO</b> : ----</p> <p><b>C-O-C number</b> : 23-1085343</p> <p><b>Sampler</b> : ----</p> <p><b>Site</b> : BCR</p> <p><b>Quote number</b> : WTP Discharge</p> <p><b>No. of samples received</b> : 1</p> <p><b>No. of samples analysed</b> : 1</p>	<p><b>Page</b> : 1 of 14</p> <p><b>Laboratory</b> : ALS Environmental - Vancouver</p> <p><b>Account Manager</b> : Kevin Bhikadia</p> <p><b>Address</b> : 8081 Lougheed Highway Burnaby, British Columbia Canada V5A 1W9</p> <p><b>Telephone</b> : +1 604 253 4188</p> <p><b>Date Samples Received</b> : 09-Oct-2025 21:00</p> <p><b>Issue Date</b> : 15-Oct-2025 15:58</p>
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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.
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### ***Workorder Comments***

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

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### ***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		
<b>Aggregate Organics : Phenols (4AAP) in Water by Colorimetry</b>											
Amber glass total (sulfuric acid) WTP	E562	09-Oct-2025	15-Oct-2025	28 days	6 days	✔	15-Oct-2025	28 days	6 days	✔	
<b>Anions and Nutrients : Ammonia by Fluorescence</b>											
Amber glass total (sulfuric acid) WTP	E298	09-Oct-2025	09-Oct-2025	28 days	0 days	✔	10-Oct-2025	28 days	0 days	✔	
<b>Anions and Nutrients : Bromide in Water by IC (Low Level)</b>											
HDPE WTP	E235.Br-L	09-Oct-2025	12-Oct-2025	28 days	3 days	✔	12-Oct-2025	28 days	3 days	✔	
<b>Anions and Nutrients : Chloride in Water by IC</b>											
HDPE WTP	E235.Cl	09-Oct-2025	12-Oct-2025	28 days	3 days	✔	12-Oct-2025	28 days	3 days	✔	
<b>Anions and Nutrients : Fluoride in Water by IC</b>											
HDPE WTP	E235.F	09-Oct-2025	12-Oct-2025	28 days	3 days	✔	12-Oct-2025	28 days	3 days	✔	
<b>Anions and Nutrients : Nitrate in Water by IC (Low Level)</b>											
HDPE WTP	E235.NO3-L	09-Oct-2025	12-Oct-2025	3 days	3 days	✔	12-Oct-2025	3 days	3 days	✔	
<b>Anions and Nutrients : Nitrite in Water by IC (Low Level)</b>											
HDPE WTP	E235.NO2-L	09-Oct-2025	12-Oct-2025	3 days	3 days	✔	12-Oct-2025	3 days	3 days	✔	



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

Analyte Group : Analytical Method Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times		Eval	Analysis Date	Holding Times		Eval
				Rec	Actual			Rec	Actual	
<b>Anions and Nutrients : Sulfate in Water by IC</b>										
HDPE WTP	E235.SO4	09-Oct-2025	12-Oct-2025	28 days	3 days	✔	12-Oct-2025	28 days	3 days	✔
<b>Anions and Nutrients : Total Nitrogen by Colourimetry</b>										
Amber glass total (sulfuric acid) WTP	E366	09-Oct-2025	11-Oct-2025	28 days	2 days	✔	12-Oct-2025	28 days	2 days	✔
<b>Anions and Nutrients : Total Phosphorus by Colourimetry (0.002 mg/L)</b>										
Amber glass total (sulfuric acid) WTP	E372-U	09-Oct-2025	11-Oct-2025	28 days	2 days	✔	12-Oct-2025	28 days	2 days	✔
<b>Dissolved Metals : Dissolved Mercury in Water by CVAAS</b>										
Glass vial dissolved (hydrochloric acid) WTP	E509	09-Oct-2025	10-Oct-2025	28 days	1 days	✔	10-Oct-2025	28 days	1 days	✔
<b>Dissolved Metals : Dissolved Metals in Water by CRC ICPMS</b>										
HDPE dissolved (nitric acid) WTP	E421	09-Oct-2025	10-Oct-2025	180 days	1 days	✔	10-Oct-2025	180 days	1 days	✔
<b>Field Tests : Field pH,EC,Salinity, TDS, Cl2,CIO2,ORP,DO, Turbidity,T,T-P,o-PO4,NH3,Chloramine</b>										
Glass vial dissolved (hydrochloric acid) WTP	EF001	09-Oct-2025	----	----	----		10-Oct-2025	----	----	
<b>Glycols : Glycols (4 analytes) by GC-FID</b>										
Glass vial (sodium bisulfate) WTP	E680E	09-Oct-2025	12-Oct-2025	14 days	3 days	✔	14-Oct-2025	40 days	2 days	✔
<b>Hydrocarbons : BC PHCs - EPH by GC-FID</b>										
Amber glass/Teflon lined cap (sodium bisulfate) WTP	E601A	09-Oct-2025	14-Oct-2025	14 days	5 days	✔	14-Oct-2025	40 days	0 days	✔
<b>Hydrocarbons : VH and F1 by Headspace GC-FID</b>										
Glass vial (sodium bisulfate) WTP	E581.VH+F1	09-Oct-2025	12-Oct-2025	14 days	3 days	✔	13-Oct-2025	14 days	3 days	✔



Matrix: **Water** Evaluation: \* = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group : Analytical Method Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis				
			Preparation Date	Holding Times		Eval	Analysis Date	Holding Times		Eval	
				Rec	Actual			Rec	Actual		
<b>Organic / Inorganic Carbon : Dissolved Organic Carbon by Combustion (Low Level)</b>											
Amber glass - dissolved (unpreserved) WTP	E358-L	09-Oct-2025	09-Oct-2025	3 days	0 days	✓	09-Oct-2025	28 days	0 days	✓	
<b>Organic / Inorganic Carbon : Total Organic Carbon (Non-Purgeable) by Combustion (Low Level)</b>											
Amber glass total (sulfuric acid) WTP	E355-L	09-Oct-2025	11-Oct-2025	28 days	2 days	✓	11-Oct-2025	28 days	2 days	✓	
<b>Physical Tests : Alkalinity Species by Titration</b>											
HDPE WTP	E290	09-Oct-2025	10-Oct-2025	14 days	1 days	✓	10-Oct-2025	14 days	1 days	✓	
<b>Physical Tests : Conductivity in Water</b>											
HDPE WTP	E100	09-Oct-2025	10-Oct-2025	28 days	1 days	✓	10-Oct-2025	28 days	1 days	✓	
<b>Physical Tests : ORP by Electrode</b>											
HDPE WTP	E125	09-Oct-2025	----	----	----		10-Oct-2025	0.25 hrs	12 hrs	* EHTR-FM	
<b>Physical Tests : pH by Meter</b>											
HDPE WTP	E108	09-Oct-2025	10-Oct-2025	0.25 hrs	14 hrs	* EHTR-FM	10-Oct-2025	0.25 hrs	14 hrs	* EHTR-FM	
<b>Physical Tests : TDS by Gravimetry</b>											
HDPE WTP	E162	09-Oct-2025	----	----	----		09-Oct-2025	7 days	0 days	✓	
<b>Physical Tests : TSS by Gravimetry</b>											
HDPE WTP	E160	09-Oct-2025	----	----	----		09-Oct-2025	7 days	0 days	✓	
<b>Physical Tests : Turbidity by Nephelometry</b>											
HDPE WTP	E121	09-Oct-2025	----	----	----		10-Oct-2025	3 days	1 days	✓	



Matrix: **Water** Evaluation: \* = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group : Analytical Method Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times		Eval	Analysis Date	Holding Times		Eval
				Rec	Actual			Rec	Actual	
<b>Polycyclic Aromatic Hydrocarbons : PAHs in Water by Hexane LVI GC-MS</b>										
<b>Amber glass/Teflon lined cap (sodium bisulfate)</b> WTP	E641A	09-Oct-2025	14-Oct-2025	14 days	5 days	✓	14-Oct-2025	40 days	0 days	✓
<b>Total Metals : Total Mercury in Water by CVAAS</b>										
<b>Glass vial total (hydrochloric acid)</b> WTP	E508	09-Oct-2025	10-Oct-2025	28 days	1 days	✓	10-Oct-2025	28 days	1 days	✓
<b>Total Metals : Total Metals in Water by CRC ICPMS</b>										
<b>HDPE total (nitric acid)</b> WTP	E420	09-Oct-2025	10-Oct-2025	180 days	1 days	✓	10-Oct-2025	180 days	1 days	✓
<b>Volatile Organic Compounds : VOCs (BC List) by Headspace GC-MS</b>										
<b>Glass vial (sodium bisulfate)</b> WTP	E611C	09-Oct-2025	12-Oct-2025	14 days	3 days	✓	13-Oct-2025	14 days	3 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).



## Quality Control Parameter Frequency Compliance

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

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

Quality Control Sample Type	Method	QC Lot #	Count		Frequency (%)		Evaluation
			QC	Regular	Actual	Expected	
<b>Analytical Methods</b>							
<b>Laboratory Duplicates (DUP)</b>							
Conductivity in Water	E100	2269752	1	1	100.0	5.0	✔
pH by Meter	E108	2269750	1	1	100.0	5.0	✔
Turbidity by Nephelometry	E121	2269609	1	4	25.0	5.0	✔
ORP by Electrode	E125	2269619	1	13	7.6	5.0	✔
TSS by Gravimetry	E160	2269204	1	5	20.0	5.0	✔
TDS by Gravimetry	E162	2269205	1	5	20.0	5.0	✔
Bromide in Water by IC (Low Level)	E235.Br-L	2272895	1	2	50.0	5.0	✔
Chloride in Water by IC	E235.Cl	2272894	1	2	50.0	5.0	✔
Fluoride in Water by IC	E235.F	2272893	1	2	50.0	5.0	✔
Nitrite in Water by IC (Low Level)	E235.NO2-L	2272897	1	2	50.0	5.0	✔
Nitrate in Water by IC (Low Level)	E235.NO3-L	2272896	1	2	50.0	5.0	✔
Sulfate in Water by IC	E235.SO4	2272898	1	2	50.0	5.0	✔
Alkalinity Species by Titration	E290	2269751	0	1	0.0	5.0	✖
Ammonia by Fluorescence	E298	2269255	1	1	100.0	5.0	✔
Total Organic Carbon (Non-Purgeable) by Combustion (Low Level)	E355-L	2272742	1	5	20.0	5.0	✔
Dissolved Organic Carbon by Combustion (Low Level)	E358-L	2269256	1	1	100.0	5.0	✔
Total Nitrogen by Colourimetry	E366	2272743	1	2	50.0	5.0	✔
Total Phosphorus by Colourimetry (0.002 mg/L)	E372-U	2272744	1	6	16.6	5.0	✔
Total Metals in Water by CRC ICPMS	E420	2269249	1	1	100.0	5.0	✔
Dissolved Metals in Water by CRC ICPMS	E421	2269250	1	1	100.0	5.0	✔
Total Mercury in Water by CVAAS	E508	2271637	1	1	100.0	5.0	✔
Dissolved Mercury in Water by CVAAS	E509	2271658	1	1	100.0	5.0	✔
Phenols (4AAP) in Water by Colorimetry	E562	2277463	1	20	5.0	5.0	✔
VH and F1 by Headspace GC-FID	E581.VH+F1	2272933	1	13	7.6	5.0	✔
VOCs (BC List) by Headspace GC-MS	E611C	2272934	1	20	5.0	5.0	✔
Glycols (4 analytes) by GC-FID	E680E	2273034	1	2	50.0	5.0	✔
<b>Laboratory Control Samples (LCS)</b>							
Conductivity in Water	E100	2269752	1	1	100.0	5.0	✔
pH by Meter	E108	2269750	1	1	100.0	5.0	✔
Turbidity by Nephelometry	E121	2269609	1	4	25.0	5.0	✔
ORP by Electrode	E125	2269619	1	13	7.6	5.0	✔
TSS by Gravimetry	E160	2269204	1	5	20.0	5.0	✔
TDS by Gravimetry	E162	2269205	1	5	20.0	5.0	✔
Bromide in Water by IC (Low Level)	E235.Br-L	2272895	1	2	50.0	5.0	✔
Chloride in Water by IC	E235.Cl	2272894	1	2	50.0	5.0	✔
Fluoride in Water by IC	E235.F	2272893	1	2	50.0	5.0	✔



Matrix: **Water**

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

Quality Control Sample Type	Method	QC Lot #	Count		Frequency (%)		
			QC	Regular	Actual	Expected	Evaluation
<b>Analytical Methods</b>							
<b>Laboratory Control Samples (LCS) - Continued</b>							
Nitrite in Water by IC (Low Level)	E235.NO2-L	2272897	1	2	50.0	5.0	✔
Nitrate in Water by IC (Low Level)	E235.NO3-L	2272896	1	2	50.0	5.0	✔
Sulfate in Water by IC	E235.SO4	2272898	1	2	50.0	5.0	✔
Alkalinity Species by Titration	E290	2269751	1	1	100.0	5.0	✔
Ammonia by Fluorescence	E298	2269255	1	1	100.0	5.0	✔
Total Organic Carbon (Non-Purgeable) by Combustion (Low Level)	E355-L	2272742	1	5	20.0	5.0	✔
Dissolved Organic Carbon by Combustion (Low Level)	E358-L	2269256	1	1	100.0	5.0	✔
Total Nitrogen by Colourimetry	E366	2272743	1	2	50.0	5.0	✔
Total Phosphorus by Colourimetry (0.002 mg/L)	E372-U	2272744	1	6	16.6	5.0	✔
Total Metals in Water by CRC ICPMS	E420	2269249	1	1	100.0	5.0	✔
Dissolved Metals in Water by CRC ICPMS	E421	2269250	1	1	100.0	5.0	✔
Total Mercury in Water by CVAAS	E508	2271637	1	1	100.0	5.0	✔
Dissolved Mercury in Water by CVAAS	E509	2271658	1	1	100.0	5.0	✔
Phenols (4AAP) in Water by Colorimetry	E562	2277463	1	20	5.0	5.0	✔
VH and F1 by Headspace GC-FID	E581.VH+F1	2272933	1	13	7.6	5.0	✔
BC PHCs - EPH by GC-FID	E601A	2274974	1	1	100.0	5.0	✔
VOCs (BC List) by Headspace GC-MS	E611C	2272934	1	20	5.0	5.0	✔
PAHs in Water by Hexane LVI GC-MS	E641A	2274975	1	1	100.0	5.0	✔
Glycols (4 analytes) by GC-FID	E680E	2273034	1	2	50.0	5.0	✔
<b>Method Blanks (MB)</b>							
Conductivity in Water	E100	2269752	1	1	100.0	5.0	✔
Turbidity by Nephelometry	E121	2269609	1	4	25.0	5.0	✔
TSS by Gravimetry	E160	2269204	1	5	20.0	5.0	✔
TDS by Gravimetry	E162	2269205	1	5	20.0	5.0	✔
Bromide in Water by IC (Low Level)	E235.Br-L	2272895	1	2	50.0	5.0	✔
Chloride in Water by IC	E235.Cl	2272894	1	2	50.0	5.0	✔
Fluoride in Water by IC	E235.F	2272893	1	2	50.0	5.0	✔
Nitrite in Water by IC (Low Level)	E235.NO2-L	2272897	1	2	50.0	5.0	✔
Nitrate in Water by IC (Low Level)	E235.NO3-L	2272896	1	2	50.0	5.0	✔
Sulfate in Water by IC	E235.SO4	2272898	1	2	50.0	5.0	✔
Alkalinity Species by Titration	E290	2269751	1	1	100.0	5.0	✔
Ammonia by Fluorescence	E298	2269255	1	1	100.0	5.0	✔
Total Organic Carbon (Non-Purgeable) by Combustion (Low Level)	E355-L	2272742	1	5	20.0	5.0	✔
Dissolved Organic Carbon by Combustion (Low Level)	E358-L	2269256	1	1	100.0	5.0	✔
Total Nitrogen by Colourimetry	E366	2272743	1	2	50.0	5.0	✔
Total Phosphorus by Colourimetry (0.002 mg/L)	E372-U	2272744	1	6	16.6	5.0	✔
Total Metals in Water by CRC ICPMS	E420	2269249	1	1	100.0	5.0	✔
Dissolved Metals in Water by CRC ICPMS	E421	2269250	1	1	100.0	5.0	✔
Total Mercury in Water by CVAAS	E508	2271637	1	1	100.0	5.0	✔



Matrix: **Water**

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

Quality Control Sample Type	Method	QC Lot #	Count		Frequency (%)		
			QC	Regular	Actual	Expected	Evaluation
<b>Analytical Methods</b>							
<b>Method Blanks (MB) - Continued</b>							
Dissolved Mercury in Water by CVAAS	E509	2271658	1	1	100.0	5.0	✔
Phenols (4AAP) in Water by Colorimetry	E562	2277463	1	20	5.0	5.0	✔
VH and F1 by Headspace GC-FID	E581.VH+F1	2272933	1	13	7.6	5.0	✔
BC PHCs - EPH by GC-FID	E601A	2274974	1	1	100.0	5.0	✔
VOCs (BC List) by Headspace GC-MS	E611C	2272934	1	20	5.0	5.0	✔
PAHs in Water by Hexane LVI GC-MS	E641A	2274975	1	1	100.0	5.0	✔
Glycols (4 analytes) by GC-FID	E680E	2273034	1	2	50.0	5.0	✔
<b>Matrix Spikes (MS)</b>							
Bromide in Water by IC (Low Level)	E235.Br-L	2272895	1	2	50.0	5.0	✔
Chloride in Water by IC	E235.Cl	2272894	1	2	50.0	5.0	✔
Fluoride in Water by IC	E235.F	2272893	1	2	50.0	5.0	✔
Nitrite in Water by IC (Low Level)	E235.NO2-L	2272897	1	2	50.0	5.0	✔
Nitrate in Water by IC (Low Level)	E235.NO3-L	2272896	1	2	50.0	5.0	✔
Sulfate in Water by IC	E235.SO4	2272898	1	2	50.0	5.0	✔
Ammonia by Fluorescence	E298	2269255	0	1	0.0	5.0	✖
Total Organic Carbon (Non-Purgeable) by Combustion (Low Level)	E355-L	2272742	1	5	20.0	5.0	✔
Dissolved Organic Carbon by Combustion (Low Level)	E358-L	2269256	0	1	0.0	5.0	✖
Total Nitrogen by Colourimetry	E366	2272743	1	2	50.0	5.0	✔
Total Phosphorus by Colourimetry (0.002 mg/L)	E372-U	2272744	1	6	16.6	5.0	✔
Total Metals in Water by CRC ICPMS	E420	2269249	0	1	0.0	5.0	✖
Dissolved Metals in Water by CRC ICPMS	E421	2269250	0	1	0.0	5.0	✖
Total Mercury in Water by CVAAS	E508	2271637	0	1	0.0	5.0	✖
Dissolved Mercury in Water by CVAAS	E509	2271658	0	1	0.0	5.0	✖
Phenols (4AAP) in Water by Colorimetry	E562	2277463	1	20	5.0	5.0	✔
VH and F1 by Headspace GC-FID	E581.VH+F1	2272933	1	13	7.6	5.0	✔
VOCs (BC List) by Headspace GC-MS	E611C	2272934	1	20	5.0	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 ± 5°C). For high accuracy test results, pH should be measured in the field within the recommended 15 minute hold time.
Turbidity by Nephelometry	E121 ALS Environmental - Vancouver	Water	APHA 2130 B (mod)	Turbidity is measured by the nephelometric method, by measuring the intensity of light scatter under defined conditions.
ORP by Electrode	E125 ALS Environmental - Vancouver	Water	ASTM D1498 (mod)	Oxidation reduction potential is reported as the oxidation-reduction potential of the platinum metal-reference electrode employed, measured in mV. For high accuracy test results, it is recommended that this analysis be conducted in the field.
TSS by Gravimetry	E160 ALS Environmental - Vancouver	Water	APHA 2540 D (mod)	Total Suspended Solids (TSS) are determined by filtering a sample through a glass fibre filter, following by drying of the filter at 104 ± 1°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 ± 2°C for 16 hours or to constant weight, with gravimetric measurement of the residue.
Bromide in Water by IC (Low Level)	E235.Br-L ALS Environmental - Vancouver	Water	EPA 300.1 (mod)	Inorganic anions are analyzed by Ion Chromatography with conductivity and/or UV detection.
Chloride in Water by IC	E235.Cl ALS Environmental - Vancouver	Water	EPA 300.1 (mod)	Inorganic anions are analyzed by Ion Chromatography with conductivity and/or UV detection.
Fluoride in Water by IC	E235.F ALS Environmental - Vancouver	Water	EPA 300.1 (mod)	Inorganic anions are analyzed by Ion Chromatography with conductivity and/or UV detection.



Analytical Methods	Method / Lab	Matrix	Method Reference	Method Descriptions
Nitrite in Water by IC (Low Level)	E235.NO2-L ALS Environmental - Vancouver	Water	EPA 300.1 (mod)	Inorganic anions are analyzed by Ion Chromatography with conductivity and/or UV detection.
Nitrate in Water by IC (Low Level)	E235.NO3-L ALS Environmental - Vancouver	Water	EPA 300.1 (mod)	Inorganic anions are analyzed by Ion Chromatography with conductivity and/or UV detection.
Sulfate in Water by IC	E235.SO4 ALS Environmental - Vancouver	Water	EPA 300.1 (mod)	Inorganic anions are analyzed by Ion Chromatography with conductivity and/or UV detection.
Alkalinity Species by Titration	E290 ALS Environmental - Vancouver	Water	APHA 2320 B (mod)	Total alkalinity is determined by potentiometric titration to a pH 4.5 endpoint. Bicarbonate, carbonate and hydroxide alkalinity are calculated from phenolphthalein alkalinity and total alkalinity values.
Ammonia by Fluorescence	E298 ALS Environmental - Vancouver	Water	Method Fialab 100, 2018	Ammonia in water is determined by automated continuous flow analysis with membrane diffusion and fluorescence detection, after reaction with OPA (ortho-phthalaldehyde). This method is approved under US EPA 40 CFR Part 136 (May 2021)
Total Organic Carbon (Non-Purgeable) by Combustion (Low Level)	E355-L ALS Environmental - Vancouver	Water	APHA 5310 B (mod)	Total Organic Carbon (Non-Purgeable), also known as NPOC (total), is a direct measurement of TOC after an acidified sample has been purged to remove carbonate-based Inorganic Carbon (IC). Analysis is by high temperature combustion with infrared detection of CO <sub>2</sub> . 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 <sub>2</sub> . 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 determined colourimetrically using a discrete analyzer utilizing the vanadium chloride reduction method. This method of analysis is approved under US EPA 40 CFR Part 136 (May 2021).
Total Phosphorus by Colourimetry (0.002 mg/L)	E372-U ALS Environmental - Vancouver	Water	APHA 4500-P E (mod).	Total Phosphorus is determined colourimetrically using a discrete analyzer after heated persulfate digestion of the sample.



Analytical Methods	Method / Lab	Matrix	Method Reference	Method Descriptions
Total Metals in Water by CRC ICPMS	E420 ALS Environmental - Vancouver	Water	EPA 200.2/6020B (mod)	Water samples are digested with nitric and hydrochloric acids, and analyzed by Collision/Reaction Cell ICPMS.  Method Limitation (re: Sulfur): Sulfide and volatile sulfur species may not be recovered by this method.
Dissolved Metals in Water by CRC ICPMS	E421 ALS Environmental - Vancouver	Water	APHA 3030B/EPA 6020B (mod)	Water samples are filtered (0.45 um), preserved with nitric acid, and analyzed by Collision/Reaction Cell ICPMS.  Method Limitation (re: Sulfur): Sulfide and volatile sulfur species may not be recovered by this method.
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 <sub>3</sub> Fe(CN) <sub>6</sub> ) 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.



Analytical Methods	Method / Lab	Matrix	Method Reference	Method Descriptions
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. Totals and sub-totals (e.g., ΣPAH, low and high MW PAHs) are reported as the sum of the individual target compounds detected; the detection limit for any sum is calculated by the root-sum-of-squares (RSS) of the individual analyte limits (per CCME Vol. 4 Analytical Methods). Benzo[a]pyrene total potency equivalents (B[a]P-TEQ/TPEQ) are calculated in accordance with CCME using the published potency-equivalency factors; non-detects are assigned one-half of the limit of reporting (LOR) in the TEQ calculation.
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 <sub>3</sub> ), dissolved" is calculated from the sum of dissolved Calcium and Magnesium concentrations, expressed in CaCO <sub>3</sub> 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 <sub>3</sub> ), from total Ca/Mg" is calculated from the sum of total Calcium and Magnesium concentrations, expressed as CaCO <sub>3</sub> 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 <sub>2</sub> ,ClO <sub>2</sub> ,ORP,DO, Turbidity,T,T-P,o-PO <sub>4</sub> ,NH <sub>3</sub> ,Chloramine	EF001 ALS Environmental - Vancouver	Water	Field Measurement (Client Supplied)	Field pH,EC,Salinity, TDS, Cl <sub>2</sub> ,ClO <sub>2</sub> ,ORP,DO, Turbidity,T,T-P,o-PO <sub>4</sub> ,NH <sub>3</sub> 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
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Preparation Methods	Method / Lab	Matrix	Method Reference	Method Descriptions
Preparation for Ammonia	EP298 ALS Environmental - Vancouver	Water		Sample preparation for Preserved Nutrients Water Quality Analysis.
Preparation for Total Organic Carbon by Combustion	EP355 ALS Environmental - Vancouver	Water		Preparation for Total Organic Carbon by Combustion
Preparation for Dissolved Organic Carbon for Combustion	EP358 ALS Environmental - Vancouver	Water	APHA 5310 B (mod)	Preparation for Dissolved Organic Carbon
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 HNO3.
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.