



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

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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. 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 Observator NEP9504GPI
	Electrical Conductivity	Monitoring using ProCon C450
Weekly (or per batch) Lab Samples	List prescribed in permit	Lab samples

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

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



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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 (GPM)	Discharge Volume (batch)	Results
BC Rail	2025-10-08	2025-10-06	N/A	N/A	145	24.91m ³	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	2025-10-07	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	2025-10-07	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:

Oct 6: Temperature, ORP, pH, and turbidity data were missing at 11:00 and 15:00.

Oct 7: Temperature, ORP, pH, and turbidity data were missing at 02:00.

Oct 8: Temperature, ORP, pH, and turbidity data were missing at 19:00.

Oct 9: Temperature, ORP, pH, and turbidity data were missing at 21:00.



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Oct 10: Temperature, ORP, pH, and turbidity data were missing at 21:00.

Oct 11: Temperature, ORP, pH, and turbidity data were missing at 03:00.

SQU DS:

Oct 7: All data were missing at 13:00.

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 (0.000298 mg/L) was above its sample-specific BC ST WQGPAL (freshwater) of 0.0002 mg/L by a factor of 1.5 times, although it is important to note that this guideline includes a 2-fold safety factor.
 - Additionally, D-Cu at the upstream reference WLNG US (0.000664 mg/L) station was below the sample-specific BC ST WQGPAL (freshwater) of 0.00108 mg/L, but this background concentration exceeded the value observed in the EOP sample, indicating elevated background concentrations.
 - D-Cu at the downstream WLNG DS (0.000078 mg/L) station was below the BC ST freshwater WQGPAL guideline (i.e., 0.0002 mg/L) and the WLNG US upstream reference station results.
 - These results suggest negligible additional risk to downstream aquatic life from the EOP D-Cu discharge concentration on Oct 7 given that it was less than the upstream reference results. Additionally, the rainbow trout toxicity test conducted on Oct 7 indicated an LC50 value of >100% of the EOP sample.

Discharge from Water Treatment Plant

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

Table 6: Discharges from Water Treatment System

Location	Date of Discharge	Real Time Monitored and Daily Monitoring	Discharge Volume
Woodfibre	2025-10-06	Yes-Appendix C	2,777 m ³
Woodfibre	2025-10-07	Yes-Appendix C	2,854 m ³
Woodfibre	2025-10-08	Yes-Appendix C	2,316 m ³
Woodfibre	2025-10-09	Yes-Appendix C	2,470 m ³
Woodfibre	2025-10-10	Yes-Appendix C	2,572 m ³
Woodfibre	2025-10-11	Yes-Appendix C	2,472 m ³
Woodfibre	2025-10-12	Yes-Appendix C	2,409 m ³

*Max discharge is 1500m³/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	2025-10-07	Yes *	Full set of lab sample results, photo and documentation are provided in Appendix D.

Table 8: Downstream Monitoring Information

Location	Date of Lab Sample	Real Time Monitored	Results
East Creek Downstream	2025-10-07	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:

Oct 6: Temperature was missing at 23:00.

Oct 9: Temperature was missing at 21:00.

WLNG DS:

Oct 6: All data were missing at 11:00, 13:00, and 14:00. All data except conductivity were missing at 21:00.

Oct 7: All data except conductivity were missing at 09:00, 13:00, 19:00.

Oct 8: All data except conductivity were missing at 03:00, 12:00, 13:00, and 23:00.

Oct 9: All data except conductivity were missing at 00:00.

Oct 10: All data except conductivity were missing at 02:00, and from 10:00 to 23:00.

Oct 11: All data except conductivity were missing from 16:00 to 23:00.

Oct 12: All data except conductivity were missing at 00:00, 01:00, and 03:00. All data except conductivity and salinity were missing at 02:00 and 06:00.

Turbidity at the downstream station was elevated for a period of 24 hours from Oct 9 at 01:00 to Oct 10 at 01:00. 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. In addition, on October 10th the WLNG DS sonde was removed to replace the NTU probe and was back recording on October 12, 2025.

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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

		Eagle Mountain- Woodfibre Gas Pipeline Project- Tunnel Scope	
Title	BC Rail Batch Water Discharge Report	Revision:	0
Date	October 08, 2025	Prepared by: Reviewed by: Date:	SD BC1 October 9, 2025

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

Executive Summary and Field Notes:

On October 8th, FKM initiated a new batch discharge at the BC Rail site. The discharge began on October 8 at 11:00 pm and ended on October 9 at 00:05 am. Total volume of discharge water was 24.91 m³, with an average flow rate of 145 GPM.

Table 1: Discharge details

Date	Start Time	Flow Rate (GPM)	Volume (m ³)
08-Oct-2025	11:00 PM	145	24.91

Table 2: In-Situ Sample

Date	Time	pH	Temperature (°C)	DO (mg/L)	NTU	Conductivity (µS/cm)	ORP (mV)	Salinity (ppt)	Visible sheen
08/10/2025	10:57 PM	7.7	14.7	8.95	0.17	359.4	167.7	0.17	No



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Discharge Sample results:

Table 3: Lab Sample

Client Sample ID			WTP		
Date Sampled			06-Oct-2025		
Time Sampled			16:00		
ALS Sample ID			VA25C6407-001		
Analyte	Lowest Detection Limit	Units	Sub-Matrix: Water	ST-FAL	ST-MAL
Field Tests (Matrix: Water)					
Temperature, field	0.10	°C	18.0		
pH, field	0.10	pH units	7.50		
Sample Preparation (Matrix: Water)					
Dissolved carbon filtration location			lab		
Physical Tests (Matrix: Water)					
Conductivity	2.0	µS/cm	333		
Alkalinity, bicarbonate (as CaCO3)	2.0	mg/L	50.2		
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	50.2		
Hardness (as CaCO3), dissolved	0.60	mg/L	3.68		
Hardness (as CaCO3), from total Ca/Mg	0.60	mg/L	3.83		
Oxidation-reduction potential [ORP]	0.10	mV	280		
Solids, total dissolved [TDS]	10	mg/L	200		
Solids, total suspended [TSS]	3.0	mg/L	<3.0		
Turbidity	0.10	NTU	0.18	US value + 8 = DS guideline	US value + 8 = DS guideline
pH	0.10	pH units	7.61	6.5-9	7.0-8.7
Anions and Nutrients (Matrix: Water)					
Ammonia, total (as N)	0.0050	mg/L	0.0155	44	



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Bromide	0.050	mg/L	0.206		
Chloride	0.50	mg/L	67.2	600	
Fluoride	0.020	mg/L	0.262	0.793	1.5
Nitrate (as N)	0.0050	mg/L	0.0976	32.8	
Nitrite (as N)	0.0010	mg/L	<0.0010	0.06	
Nitrogen, total	0.030	mg/L	0.236		
Phosphorus, total	0.0020	mg/L	0.117		
Sulfate (as SO4)	0.30	mg/L	5.19		
Ammonium (as NH4), field	0.0010	mg/L	0.0197		
Organic / Inorganic Carbon (Matrix: Water)					
Carbon, dissolved organic [DOC]	0.50	mg/L	1.09		
Carbon, total organic [TOC]	0.50	mg/L	1.17		
Total Metals (Matrix: Water)					
Aluminum, total	0.0030	mg/L	0.0360		
Antimony, total	0.00010	mg/L	0.00018	0.25	
Arsenic, total	0.00010	mg/L	0.00032		
Barium, total	0.00010	mg/L	0.00106		
Beryllium, total	0.000100	mg/L	<0.000100		
Bismuth, total	0.000050	mg/L	<0.000050		
Boron, total	0.010	mg/L	0.019		
Cadmium, total	0.0000050	mg/L	<0.0000050		
Calcium, total	0.050	mg/L	0.912		
Cesium, total	0.000010	mg/L	0.000026		
Chromium, total	0.00050	mg/L	<0.00050		
Cobalt, total	0.00010	mg/L	<0.00010	0.00039	
Copper, total	0.00050	mg/L	0.00089		0.003
Iron, total	0.010	mg/L	0.064	1	
Lead, total	0.000050	mg/L	<0.000050		0.14
Lithium, total	0.0010	mg/L	0.0012		
Magnesium, total	0.0050	mg/L	0.377		
Manganese, total	0.00010	mg/L	0.00028	0.715	
Mercury, total	0.0000050	mg/L	<0.0000050		
Molybdenum, total	0.000050	mg/L	0.0290	46	
Nickel, total	0.00050	mg/L	<0.00050		



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Title	BC Rail Batch Water Discharge Report	Revision:	0
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Phosphorus, total	0.050	mg/L	0.123		
Potassium, total	0.050	mg/L	4.57		
Rubidium, total	0.00020	mg/L	0.00127		
Selenium, total	0.000050	mg/L	<0.000050		
Silicon, total	0.10	mg/L	9.76		
Silver, total	0.000010	mg/L	<0.000010	0.0001	0.003
Sodium, total	0.050	mg/L	64.9		
Strontium, total	0.00020	mg/L	0.0103		
Sulfur, total	0.50	mg/L	2.01		
Tellurium, total	0.00020	mg/L	<0.00020		
Thallium, total	0.000010	mg/L	<0.000010		
Thorium, total	0.00010	mg/L	<0.00010		
Tin, total	0.00010	mg/L	<0.00010		
Titanium, total	0.00030	mg/L	<0.00030		
Tungsten, total	0.00010	mg/L	0.00021	0.0165	
Uranium, total	0.000010	mg/L	<0.000010		
Vanadium, total	0.00050	mg/L	0.00489		
Zinc, total	0.0030	mg/L	0.0043		0.055
Zirconium, total	0.00020	mg/L	<0.00020		
Dissolved Metals (Matrix: Water)					
Aluminum, dissolved	0.0010	mg/L	0.0319		
Antimony, dissolved	0.00010	mg/L	0.00017		
Arsenic, dissolved	0.00010	mg/L	0.00025		
Barium, dissolved	0.00010	mg/L	0.00110		
Beryllium, dissolved	0.000100	mg/L	<0.000100		
Bismuth, dissolved	0.000050	mg/L	<0.000050		
Boron, dissolved	0.010	mg/L	0.018		
Cadmium, dissolved	0.0000050	mg/L	<0.0000100	0.000107	
Calcium, dissolved	0.050	mg/L	0.871		
Cesium, dissolved	0.000010	mg/L	0.000024		
Chromium, dissolved	0.00050	mg/L	<0.00050		
Cobalt, dissolved	0.00010	mg/L	<0.00010		
Copper, dissolved	0.00020	mg/L	0.00086	0.00219	
Iron, dissolved	0.010	mg/L	0.057	0.35	
Lead, dissolved	0.000050	mg/L	<0.000050		



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Lithium, dissolved	0.0010	mg/L	0.0011		
Magnesium, dissolved	0.0050	mg/L	0.366		
Manganese, dissolved	0.00010	mg/L	0.00023		
Mercury, dissolved	0.0000050	mg/L	<0.0000050		
Molybdenum, dissolved	0.000050	mg/L	0.0293		
Nickel, dissolved	0.00050	mg/L	<0.00050	0.0095	
Phosphorus, dissolved	0.050	mg/L	0.118		
Potassium, dissolved	0.050	mg/L	4.60		
Rubidium, dissolved	0.00020	mg/L	0.00115		
Selenium, dissolved	0.000050	mg/L	<0.000050		
Silicon, dissolved	0.050	mg/L	10.0		
Silver, dissolved	0.000010	mg/L	<0.000010		
Sodium, dissolved	0.050	mg/L	64.3		
Strontium, dissolved	0.00020	mg/L	0.0102		
Sulfur, dissolved	0.50	mg/L	1.73		
Tellurium, dissolved	0.00020	mg/L	<0.00020		
Thallium, dissolved	0.000010	mg/L	<0.000010		
Thorium, dissolved	0.00010	mg/L	<0.00010		
Tin, dissolved	0.00010	mg/L	<0.00010		
Titanium, dissolved	0.00030	mg/L	<0.00030		
Tungsten, dissolved	0.00010	mg/L	0.00021		
Uranium, dissolved	0.000010	mg/L	<0.000010		
Vanadium, dissolved	0.00050	mg/L	0.00472		
Zinc, dissolved	0.0010	mg/L	0.0048	0.00802	
Zirconium, dissolved	0.00020	mg/L	<0.00020		
Dissolved mercury filtration location			Field		
Dissolved metals filtration location			Field		
Aggregate Organics (Matrix: Water)					
Phenols, total (4AAP)	0.001000000	mg/L	<0.0010		
Volatile Organic Compounds (Matrix: Water)					
Chlorobenzene	0.50	µg/L	<0.50		
Chloromethane	5.0	µg/L	<5.0		
Dichlorobenzene, 1,2-	0.50	µg/L	<0.50		
Dichlorobenzene, 1,3-	0.50	µg/L	<0.50		



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



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Bromoform	0.50	µg/L	<0.50		
Chloroform	0.50	µg/L	<0.50		
Dibromochloromethane	0.50	µg/L	<0.50		
Hydrocarbons (Matrix: Water)					
EPH (C10-C19)	250	µg/L	<250		
EPH (C19-C32)	250	µg/L	<250		
VHw (C6-C10)	100	µg/L	<100		
LEPHw	250	µg/L	<250		
VPHw	100	µg/L	<100		
HEPHw	250	µg/L	<250		
Hydrocarbons Surrogates (Matrix: Water)					
Bromobenzotrifluoride, 2- (EPH surrogate)	1.0	%	81.5		
Dichlorotoluene, 3,4-	1.0	%	99.8		
Volatile Organic Compounds Surrogates (Matrix: Water)					
Bromofluorobenzene, 4-	1.0	%	93.1		
Difluorobenzene, 1,4-	1.0	%	98.3		
Polycyclic Aromatic Hydrocarbons (Matrix: Water)					
Acenaphthene	0.010	µg/L	<0.010		
Acenaphthylene	0.010	µg/L	<0.010		
Acridine	0.010	µg/L	<0.010		
Anthracene	0.010	µg/L	<0.010		
Benz(a)anthracene	0.010	µg/L	<0.010		
Benzo(a)pyrene	0.0050	µg/L	<0.0050		
Benzo(b+j)fluoranthene	0.010	µg/L	<0.010		
Benzo(b+j+k)fluoranthene	0.015	µg/L	<0.015		
Benzo(g,h,i)perylene	0.010	µg/L	<0.010		
Benzo(k)fluoranthene	0.010	µg/L	<0.010		
Chrysene	0.010	µg/L	<0.010		
Dibenz(a,h)anthracene	0.0050	µg/L	<0.0050		
Fluoranthene	0.010	µg/L	<0.010		
Fluorene	0.010	µg/L	<0.010		
Indeno(1,2,3-c,d)pyrene	0.010	µg/L	<0.010		



Eagle Mountain- Woodfibre Gas Pipeline Project- Tunnel Scope

Title	BC Rail Batch Water Discharge Report	Revision:	0
Date	October 08, 2025	Prepared by: Reviewed by: Date:	SD BC1 October 9, 2025

Methylnaphthalene, 1-	0.010	µg/L	<0.010		
Methylnaphthalene, 2-	0.010	µg/L	<0.010		
Naphthalene	0.050	µg/L	<0.050		
Phenanthrene	0.020	µg/L	<0.020		
Pyrene	0.010	µg/L	<0.010		
Quinoline	0.050	µg/L	<0.050		
Polycyclic Aromatic Hydrocarbons Surrogates (Matrix: Water)					
Chrysene-d12	0.1	%	90.5		
Naphthalene-d8	0.1	%	93.5		
Phenanthrene-d10	0.1	%	99.9		
Glycols (Matrix: Water)					
Diethylene glycol	5.0	mg/L	<5.0		
Ethylene glycol	5.0	mg/L	<5.0		
Propylene glycol, 1,2-	5.0	mg/L	<5.0		
Triethylene glycol	5.0	mg/L	<5.0		
Glycols, total (EG+DEG+PG)	10	mg/L	<10		



Eagle Mountain- Woodfibre Gas Pipeline Project- Tunnel Scope

Title	BC Rail Batch Water Discharge Report	Revision:	0
Date	October 08, 2025	Prepared by: Reviewed by: Date:	SD BC1 October 9, 2025

Photo:

Photo 1: No visible sheen observed in the WTP water, September 5, 10:59 pm



 Eagle Mountain - Woodfibre Gas Pipeline Project Waste Discharge Permit PE-110163 Report	Reporting Week	Oct 6 th to Oct 12 th , 2025
	Report #	81
	Appendix B	B-1

**Appendix B: BCR Site Receiving Environment
Documentation**

 Eagle Mountain - Woodfibre Gas Pipeline Project Waste Discharge Permit PE-110163 Report	Reporting Week	Oct 6 th to Oct 12 th , 2025
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	Appendix B	B-2

BCR Site Receiving Environment Sample Analysis



Analyte	Unit	BC Approved Water Quality Guideline - Freshwater Aquatic Life - Long Term Average	BC Approved Water Quality Guideline - Freshwater Aquatic Life - Short Term Max	BC Working Water Quality Guideline - Freshwater Aquatic Life - Long Term Average	BC Approved Water Quality Guideline - Marine Aquatic Life - Long Term Average	BC Approved Water Quality Guideline - Marine Aquatic Life - Short Term Max	BC Working Water Quality Guideline - Marine Aquatic Life - Long Term Average	SQU US 2025-10-07 13:31:00	SQU DS 2025-10-07 13:06:00
In situ Parameters									
Field pH	pH Units	6.5 - 9				7 - 8.7		6.44	6.59
Field Temperature	°C	18	19					10.6	11.3
General Parameters									
pH	pH Units							6.55	6.49
Alkalinity (Total as CaCO ₃)	mg/L							17	13
Alkalinity (PP as CaCO ₃)	mg/L							<1	<1
Hardness (CaCO ₃)-Total	mg/L							18.4	15.7
Hardness (CaCO ₃)-Dissolved	mg/L							15.6	14.7
Sulphide-Total	mg/L							<0.0018	<0.0018
Sulphide (as H ₂ S)	mg/L			0.002				<0.002	<0.002
Anions and Nutrients									
Ammonia (N)-Total	mg/L	1.81	24.3		20	131		0.092	0.056
Bicarbonate (HCO ₃)	mg/L							21	16
Carbonate (CO ₃)	mg/L							<1	<1
Hydroxide (OH)	mg/L							<1	<1
Nitrate (N)	mg/L	3	32.8		3.7			0.084	0.062
Nitrite (N)	mg/L	0.02	0.06					<0.005	<0.005
Nitrate plus Nitrite (N)	mg/L							0.084	0.062
Nitrogen (N)-Total	mg/L							0.177	0.141
Phosphorus (P)-Total (4500-P)	mg/L							0.078	0.083
Bromide (Br)	mg/L							<0.01	<0.01
Chloride (Cl)	mg/L	150	600					<1	<1
Fluoride (F)	mg/L		0.59			1.5		<0.05	<0.05
Sulphate (SO ₄)-Dissolved	mg/L	128						4.2	3.9
Total Metals									
Aluminum (Al)-Total	mg/L	0.020867						0.669	0.855
Antimony (Sb)-Total	mg/L	0.074	0.25					0.000033	<0.00002
Arsenic (As)-Total	mg/L	0.005			0.0125			0.000195	0.000198
Barium (Ba)-Total	mg/L			1				0.0173	0.019
Beryllium (Be)-Total	mg/L			0.00013			0.1	0.000012	0.000019
Bismuth (Bi)-Total	mg/L							<0.00001	<0.00001
Boron (B)-Total	mg/L	1.2			1.2			0.011	<0.01
Cadmium (Cd)-Total	mg/L						0.00012	0.00001	0.0000102
Calcium (Ca)-Total	mg/L							5.92	4.92
Cesium (Cs)-Total	mg/L							0.000056	0.00006
Chromium (Cr)-Total	mg/L							0.00029	0.00039
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							0.000302	0.000398
Copper (Cu)-Total	mg/L				0.002	0.003		0.00185	0.00195
Iron (Fe)-Total	mg/L		1					0.601	0.736
Lead (Pb)-Total	mg/L				0.002	0.14		0.000138	0.000169
Lithium (Li)-Total	mg/L							0.00139	0.00132



Analyte	Unit	BC Approved Water Quality Guideline - Freshwater Aquatic Life - Long Term Average	BC Approved Water Quality Guideline - Freshwater Aquatic Life - Short Term Max	BC Working Water Quality Guideline - Freshwater Aquatic Life - Long Term Average	BC Approved Water Quality Guideline - Marine Aquatic Life - Long Term Average	BC Approved Water Quality Guideline - Marine Aquatic Life - Short Term Max	BC Working Water Quality Guideline - Marine Aquatic Life - Long Term Average	SQU US 2025-10-07 13:31:00	SQU DS 2025-10-07 13:06:00
Total Metals (Cont'd.)									
Magnesium (Mg)-Total	mg/L							0.88	0.82
Manganese (Mn)-Total	mg/L	0.674	0.713				0.1	0.0254	0.0278
Mercury (Hg)-Total	mg/L	0.00002			0.00002			<0.0000019	<0.0000019
Molybdenum (Mo)-Total	mg/L	7.6	46					0.000539	0.000462
Nickel (Ni)-Total	mg/L						0.0083	0.00041	0.00048
Phosphorus (P)-Total (ICPMS)	mg/L							0.0605	0.0634
Potassium (K)-Total	mg/L							0.88	0.85
Rubidium (Rb)-Total	mg/L							0.00177	0.0018
Selenium (Se)-Total	mg/L	0.002			0.002			<0.00004	<0.00004
Silicon (Si)-Total	mg/L							5.32	4.24
Silver (Ag)-Total	mg/L	0.00012			0.0005	0.0037	0.0005	<0.00001	<0.00001
Sodium (Na)-Total	mg/L							2.37	1.82
Strontium (Sr)-Total	mg/L							0.0421	0.0366
Sulphur (S)-Total	mg/L							<3	<3
Tellurium (Te)-Total	mg/L							<0.00002	<0.00002
Thallium (Tl)-Total	mg/L			0.00003				0.000081	0.000081
Thorium (Th)-Total	mg/L							<0.00005	<0.00005
Tin (Sn)-Total	mg/L							<0.0002	<0.0002
Titanium (Ti)-Total	mg/L							0.0323	0.0417
Uranium (U)-Total	mg/L		0.0165	0.0075				0.000046	0.0000548
Vanadium (V)-Total	mg/L			0.06			0.005	0.00236	0.00239
Zinc (Zn)-Total	mg/L				0.01	0.055		0.0035	0.0063
Zirconium (Zr)-Total	mg/L							0.0002	0.00017
Dissolved Metals									
Aluminum (Al)-Dissolved	mg/L							0.0235	0.025
Antimony (Sb)-Dissolved	mg/L							<0.00002	<0.00002
Arsenic (As)-Dissolved	mg/L							0.000144	0.000138
Barium (Ba)-Dissolved	mg/L							0.00729	0.00738
Beryllium (Be)-Dissolved	mg/L							<0.00001	<0.00001
Bismuth (Bi)-Dissolved	mg/L							<0.000005	<0.000005
Boron (B)-Dissolved	mg/L							<0.01	<0.01
Cadmium (Cd)-Dissolved	mg/L	0.000054	0.000087					<0.000005	<0.000005
Calcium (Ca)-Dissolved	mg/L							5.28	4.99
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						0.0000196	0.0000213
Copper (Cu)-Dissolved	mg/L	0.0002	0.0002					0.000563	0.000574
Iron (Fe)-Dissolved	mg/L		0.35					0.0366	0.0337
Lead (Pb)-Dissolved	mg/L	0.001327						0.000084	0.000064
Lithium (Li)-Dissolved	mg/L							0.00094	0.00088
Manganese (Mn)-Dissolved	mg/L							0.00669	0.00653
Magnesium (Mg)-Dissolved	mg/L							0.587	0.546
Mercury (Hg)-Dissolved	mg/L							<0.0000019	<0.0000019
Molybdenum (Mo)-Dissolved	mg/L							0.000526	0.000502
Nickel (Ni)-Dissolved	mg/L	0.0006	0.0093					0.000102	0.000116



Analyte	Unit	BC Approved Water Quality Guideline - Freshwater Aquatic Life - Long Term Average	BC Approved Water Quality Guideline - Freshwater Aquatic Life - Short Term Max	BC Working Water Quality Guideline - Freshwater Aquatic Life - Long Term Average	BC Approved Water Quality Guideline - Marine Aquatic Life - Long Term Average	BC Approved Water Quality Guideline - Marine Aquatic Life - Short Term Max	BC Working Water Quality Guideline - Marine Aquatic Life - Long Term Average	SQU US 2025-10-07 13:31:00	SQU DS 2025-10-07 13:06:00
Dissolved Metals (Cont'd.)									
Phosphorus (P)-Dissolved	mg/L							0.0093	0.0089
Potassium (K)-Dissolved	mg/L							0.684	0.667
Rubidium (Rb)-Dissolved	mg/L							0.00101	0.001
Selenium (Se)-Dissolved	mg/L							<0.00004	<0.00004
Silicon (Si)-Dissolved	mg/L							3.86	3.51
Silver (Ag)-Dissolved	mg/L							<0.000005	<0.000005
Sodium (Na)-Dissolved	mg/L							1.99	1.88
Strontium (Sr)-Dissolved	mg/L			1.25				0.0351	0.0334
Sulphur (S)-Dissolved	mg/L							<3	<3
Tellurium (Te)-Dissolved	mg/L							<0.00002	<0.00002
Thallium (Tl)-Dissolved	mg/L							0.000003	0.0000034
Thorium (Th)-Dissolved	mg/L							<0.000005	<0.000005
Tin (Sn)-Dissolved	mg/L							<0.0002	<0.0002
Titanium (Ti)-Dissolved	mg/L							0.00058	0.00064
Uranium (U)-Dissolved	mg/L							0.0000217	0.0000243
Vanadium (V)-Dissolved	mg/L							0.00108	0.00091
Zinc (Zn)-Dissolved	mg/L	0.004523	0.008199					0.00029	0.00077
Zirconium (Zr)-Dissolved	mg/L							<0.0001	<0.0001
Inorganics									
Organic Carbon (C)-Total	mg/L							0.94	0.97
Organic Carbon (C)-Dissolved	mg/L							0.92	0.91
Solids-Total Dissolved	mg/L							24	20
Solids-Total Suspended	mg/L	67	87					62	31

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

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

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

 Eagle Mountain - Woodfibre Gas Pipeline Project Waste Discharge Permit PE-110163 Report	Reporting Week	Oct 6 th to Oct 12 th , 2025
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BCR Site Receiving Environment Field Notes and Logs

Water Quality Field Data Sheet



Project: FORTIS11234

Location Information

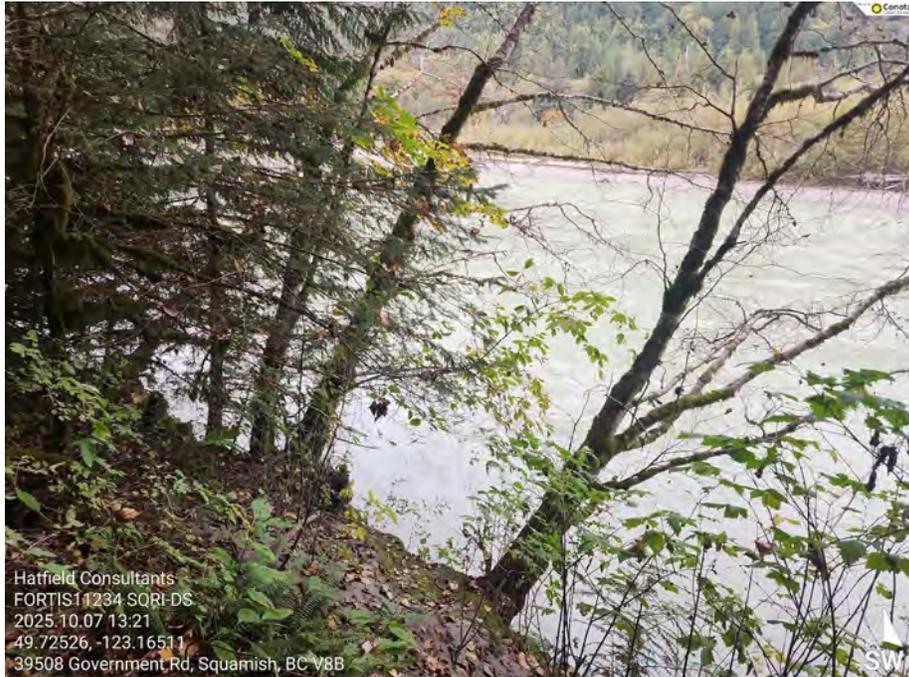
Site ID: SQU_DS Date: October 7, 2025
Site Name: Squamish River Time: 13:09
Site UTM: Zone: E: _____ Crew: JM
(NAD83) N: _____ Weather: Overcast

In Situ Parameters

pH: 6.59 DO: - (mg/L)
Temp.: 11.3 (°C) Cond: - (us)
Turbidity: 34.7 NTU
Visible Sheen: N
Water Surface Condition: Turbid

Photo Record

Photo



Observations

Water Quality Field Data Sheet



Project: FORTIS11234

Location Information

Site ID: SQU US Date: October 7, 2025
Site Name: Squamish River Time: 13:26
Site UTM: Zone: E: _____ Crew: JM
(NAD83) N: _____ Weather: Overcast

In Situ Parameters

pH: 6.44 DO: - (mg/L)
Temp.: 10.6 (°C) Cond: - (us)
Turbidity: 68.3 NTU
Visible Sheen: N
Water Surface Condition: Turbid

Photo Record

Photo



Observations

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	2025-10-06 00:00:00	9.39	38.94	0.41	7.08	10.21	0.00	0.02
SQU-DS	2025-10-06 00:15:00	9.38	39.13	0.41	7.07	10.21	0.00	0.02
SQU-DS	2025-10-06 00:30:00	9.38	39.35	0.41	7.06	10.20	0.00	0.02
SQU-DS	2025-10-06 00:45:00	9.37	39.50	0.41	7.08	10.18	0.00	0.02
SQU-DS	2025-10-06 01:00:00	9.35	39.71	0.41	7.09	10.21	0.00	0.02
SQU-DS	2025-10-06 01:15:00	9.34	39.85	0.41	7.12	10.18	0.00	0.02
SQU-DS	2025-10-06 01:30:00	9.31	40.04	0.40	7.16	10.17	0.00	0.02
SQU-DS	2025-10-06 01:45:00	9.30	40.21	0.40	7.17	10.17	0.00	0.02
SQU-DS	2025-10-06 02:00:00	9.27	40.42	0.40	7.19	10.17	0.00	0.02
SQU-DS	2025-10-06 02:15:00	9.25	40.51	0.40	7.19	10.16	0.00	0.02
SQU-DS	2025-10-06 02:30:00	9.23	40.66	0.40	7.20	10.15	0.00	0.02
SQU-DS	2025-10-06 02:45:00	9.21	40.81	0.40	7.19	10.15	0.00	0.02
SQU-DS	2025-10-06 03:00:00	9.18	41.00	0.40	7.19	10.17	0.00	0.02
SQU-DS	2025-10-06 03:15:00	9.17	41.10	0.40	7.18	10.17	0.00	0.02
SQU-DS	2025-10-06 03:30:00	9.14	41.25	0.40	7.18	10.16	0.00	0.02
SQU-DS	2025-10-06 03:45:00	9.10	41.39	0.39	7.17	10.15	0.00	0.02
SQU-DS	2025-10-06 04:00:00	9.06	41.53	0.39	7.17	10.15	0.00	0.02
SQU-DS	2025-10-06 04:15:00	9.03	41.69	0.39	7.16	10.16	0.00	0.02
SQU-DS	2025-10-06 04:30:00	8.99	41.80	0.39	7.15	10.16	0.00	0.02
SQU-DS	2025-10-06 04:45:00	8.95	41.94	0.39	7.14	10.17	0.00	0.02
SQU-DS	2025-10-06 05:00:00	8.91	42.07	0.40	7.13	10.12	0.00	0.02
SQU-DS	2025-10-06 05:15:00	8.87	42.20	0.40	7.13	10.14	0.00	0.02
SQU-DS	2025-10-06 05:30:00	8.84	42.31	0.40	7.12	10.16	0.00	0.02
SQU-DS	2025-10-06 05:45:00	8.80	42.47	0.40	7.12	10.15	0.00	0.02
SQU-DS	2025-10-06 06:00:00	8.76	42.58	0.40	7.11	10.11	0.00	0.02
SQU-DS	2025-10-06 06:15:00	8.73	42.76	0.40	7.11	10.05	0.00	0.02
SQU-DS	2025-10-06 06:30:00	8.70	42.88	0.40	7.10	10.03	0.00	0.02
SQU-DS	2025-10-06 06:45:00	8.67	43.04	0.40	7.10	10.01	0.00	0.02
SQU-DS	2025-10-06 07:00:00	8.64	43.17	0.39	7.10	10.01	0.00	0.02
SQU-DS	2025-10-06 07:15:00	8.61	43.31	0.39	7.09	9.98	0.00	0.02
SQU-DS	2025-10-06 07:30:00	8.59	43.41	0.39	7.09	9.99	0.00	0.02
SQU-DS	2025-10-06 07:45:00	8.57	43.52	0.39	7.08	9.95	0.00	0.02
SQU-DS	2025-10-06 08:00:00	8.56	43.66	0.39	7.08	9.93	0.00	0.02
SQU-DS	2025-10-06 08:15:00	8.55	43.77	0.39	7.08	9.93	0.00	0.02
SQU-DS	2025-10-06 08:30:00	8.53	43.91	0.39	7.07	9.94	0.00	0.02
SQU-DS	2025-10-06 08:45:00	8.54	44.04	0.39	7.07	9.92	0.00	0.02
SQU-DS	2025-10-06 09:00:00	8.54	44.15	0.38	7.07	9.96	0.00	0.02
SQU-DS	2025-10-06 09:15:00	8.56	44.31	0.38	7.08	9.93	0.00	0.02
SQU-DS	2025-10-06 09:30:00	8.57	44.45	0.38	7.08	9.92	0.00	0.02
SQU-DS	2025-10-06 09:45:00	8.59	44.62	0.38	7.08	9.90	0.00	0.02
SQU-DS	2025-10-06 10:00:00	8.63	44.79	0.38	7.08	9.89	0.00	0.02
SQU-DS	2025-10-06 10:15:00	8.68	44.98	0.37	7.08	9.86	0.00	0.02
SQU-DS	2025-10-06 10:30:00	8.73	45.13	0.37	7.08	9.75	0.00	0.02
SQU-DS	2025-10-06 10:45:00	8.78	45.27	0.37	7.08	9.70	0.00	0.02
SQU-DS	2025-10-06 11:00:00	8.85	45.43	0.37	7.08	9.58	0.00	0.02
SQU-DS	2025-10-06 11:15:00	8.91	45.63	0.36	7.08	9.44	0.00	0.02
SQU-DS	2025-10-06 11:30:00	8.98	45.79	0.36	7.08	9.31	0.00	0.02
SQU-DS	2025-10-06 11:45:00	9.05	45.98	0.36	7.08	9.20	0.00	0.02
SQU-DS	2025-10-06 12:00:00	9.12	46.19	0.35	7.08	9.09	0.00	0.02
SQU-DS	2025-10-06 12:15:00	9.18	46.40	0.35	7.08	8.98	0.00	0.02
SQU-DS	2025-10-06 12:30:00	9.25	46.60	0.34	7.08	8.85	0.00	0.02
SQU-DS	2025-10-06 12:45:00	9.32	46.83	0.34	7.08	8.68	0.00	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	2025-10-06 13:00:00	9.38	47.04	0.34	7.08	8.48	0.00	0.02
SQU-DS	2025-10-06 13:15:00	9.45	47.24	0.33	7.08	8.34	0.00	0.02
SQU-DS	2025-10-06 13:30:00	9.51	47.48	0.33	7.08	8.19	0.00	0.02
SQU-DS	2025-10-06 13:45:00	9.57	47.71	0.32	7.07	8.00	0.00	0.02
SQU-DS	2025-10-06 14:00:00	9.63	47.92	0.32	7.07	7.80	0.00	0.02
SQU-DS	2025-10-06 14:15:00	9.68	48.14	0.31	7.07	7.57	0.00	0.02
SQU-DS	2025-10-06 14:30:00	9.72	48.39	0.31	7.07	7.38	0.00	0.02
SQU-DS	2025-10-06 14:45:00	9.76	48.63	0.30	7.07	7.15	0.00	0.02
SQU-DS	2025-10-06 15:00:00	9.79	48.86	0.30	7.07	6.89	0.00	0.02
SQU-DS	2025-10-06 15:15:00	9.82	49.09	0.29	7.07	6.66	0.00	0.02
SQU-DS	2025-10-06 15:30:00	9.84	49.30	0.29	7.07	6.40	0.00	0.02
SQU-DS	2025-10-06 15:45:00	9.86	49.50	0.28	7.06	6.19	0.00	0.02
SQU-DS	2025-10-06 16:00:00	9.87	49.69	0.27	7.06	5.98	0.00	0.02
SQU-DS	2025-10-06 16:15:00	9.87	49.90	0.27	7.06	5.83	0.00	0.02
SQU-DS	2025-10-06 16:30:00	9.86	50.06	0.26	7.06	5.72	0.00	0.02
SQU-DS	2025-10-06 16:45:00	9.84	50.32	0.26	7.06	5.66	0.00	0.02
SQU-DS	2025-10-06 17:00:00	9.81	50.46	0.26	7.06	5.64	0.00	0.02
SQU-DS	2025-10-06 17:15:00	9.77	51.55	0.25	7.05	5.67	0.00	0.02
SQU-DS	2025-10-06 17:30:00	9.71	54.43	0.25	7.05	5.78	0.00	0.02
SQU-DS	2025-10-06 17:45:00	9.65	53.61	0.25	7.05	5.91	0.00	0.02
SQU-DS	2025-10-06 18:00:00	9.57	53.74	0.25	7.05	5.97	0.00	0.02
SQU-DS	2025-10-06 18:15:00	9.49	53.81	0.25	7.04	6.23	0.00	0.02
SQU-DS	2025-10-06 18:30:00	9.42	54.02	0.24	7.04	6.34	0.00	0.02
SQU-DS	2025-10-06 18:45:00	9.36	53.91	0.24	7.04	6.40	0.00	0.02
SQU-DS	2025-10-06 19:00:00	9.32	53.60	0.24	7.04	6.32	0.00	0.02
SQU-DS	2025-10-06 19:15:00	9.29	53.86	0.24	7.04	6.23	0.00	0.02
SQU-DS	2025-10-06 19:30:00	9.29	54.10	0.23	7.03	6.07	0.00	0.02
SQU-DS	2025-10-06 19:45:00	9.27	54.28	0.23	7.03	5.93	0.00	0.02
SQU-DS	2025-10-06 20:00:00	9.28	52.13	0.23	7.03	5.71	0.00	0.02
SQU-DS	2025-10-06 20:15:00	9.27	52.41	0.22	7.03	5.51	0.00	0.02
SQU-DS	2025-10-06 20:30:00	9.26	52.66	0.22	7.03	5.26	0.00	0.02
SQU-DS	2025-10-06 20:45:00	9.26	52.22	0.21	7.04	4.97	0.00	0.02
SQU-DS	2025-10-06 21:00:00	9.27	54.30	0.21	7.04	4.66	0.00	0.02
SQU-DS	2025-10-06 21:15:00	9.27	51.88	0.20	7.04	4.33	0.00	0.02
SQU-DS	2025-10-06 21:30:00	9.27	52.11	0.19	7.04	3.95	0.00	0.02
SQU-DS	2025-10-06 21:45:00	9.26	52.31	0.19	7.04	3.65	0.00	0.02
SQU-DS	2025-10-06 22:00:00	9.24	52.50	0.18	7.05	3.41	0.00	0.02
SQU-DS	2025-10-06 22:15:00	9.24	52.72	0.17	7.05	3.13	0.00	0.02
SQU-DS	2025-10-06 22:30:00	9.23	52.92	0.17	7.05	2.85	0.00	0.02
SQU-DS	2025-10-06 22:45:00	9.23	53.08	0.16	7.05	2.64	0.00	0.02
SQU-DS	2025-10-06 23:00:00	9.21	53.30	0.15	7.05	2.47	0.00	0.02
SQU-DS	2025-10-06 23:15:00	9.21	53.52	0.15	7.05	2.32	0.00	0.02
SQU-DS	2025-10-06 23:30:00	9.19	53.74	0.14	7.06	2.18	0.00	0.02
SQU-DS	2025-10-06 23:45:00	9.19	53.94	0.14	7.06	2.04	0.00	0.02
SQU-DS	2025-10-07 00:00:00	9.17	54.15	0.13	7.06	1.92	0.00	0.02
SQU-DS	2025-10-07 00:15:00	9.16	54.36	0.12	7.06	1.83	0.00	0.02
SQU-DS	2025-10-07 00:30:00	9.16	54.59	0.12	7.06	1.74	0.00	0.02
SQU-DS	2025-10-07 00:45:00	9.15	54.83	0.11	7.06	1.66	0.00	0.02
SQU-DS	2025-10-07 01:00:00	9.14	55.09	0.11	7.06	1.58	0.00	0.02
SQU-DS	2025-10-07 01:15:00	9.13	55.35	0.10	7.06	1.49	0.00	0.02
SQU-DS	2025-10-07 01:30:00	9.12	55.60	0.10	7.06	1.41	0.00	0.02
SQU-DS	2025-10-07 01:45:00	9.11	55.85	0.09	7.06	1.36	0.00	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	2025-10-07 02:00:00	9.10	56.06	0.09	7.06	1.28	0.00	0.03
SQU-DS	2025-10-07 02:15:00	9.09	56.30	0.08	7.06	1.21	0.00	0.03
SQU-DS	2025-10-07 02:30:00	9.07	56.54	0.08	7.06	1.15	0.00	0.03
SQU-DS	2025-10-07 02:45:00	9.06	56.09	0.07	7.06	1.10	0.00	0.03
SQU-DS	2025-10-07 03:00:00	9.05	56.31	0.07	7.06	1.03	0.00	0.03
SQU-DS	2025-10-07 03:15:00	9.03	56.72	0.07	7.06	0.96	0.00	0.03
SQU-DS	2025-10-07 03:30:00	9.02	56.92	0.06	7.06	0.91	0.00	0.03
SQU-DS	2025-10-07 03:45:00	9.00	57.05	0.06	7.06	0.89	0.00	0.03
SQU-DS	2025-10-07 04:00:00	8.98	57.26	0.05	7.06	0.88	0.00	0.03
SQU-DS	2025-10-07 04:15:00	8.96	57.50	0.05	7.06	0.87	0.00	0.03
SQU-DS	2025-10-07 04:30:00	8.93	57.73	0.05	7.07	0.86	0.00	0.03
SQU-DS	2025-10-07 04:45:00	8.90	57.94	0.04	7.07	0.87	0.00	0.03
SQU-DS	2025-10-07 05:00:00	8.88	58.17	0.04	7.07	0.87	0.00	0.03
SQU-DS	2025-10-07 05:15:00	8.84	58.35	0.03	7.07	0.86	0.00	0.03
SQU-DS	2025-10-07 05:30:00	8.81	58.51	0.03	7.07	0.87	0.00	0.03
SQU-DS	2025-10-07 05:45:00	8.77	58.66	0.03	7.07	0.87	0.00	0.03
SQU-DS	2025-10-07 06:00:00	8.73	58.84	0.02	7.06	0.86	0.00	0.03
SQU-DS	2025-10-07 06:15:00	8.69	58.96	0.02	7.06	0.86	0.00	0.03
SQU-DS	2025-10-07 06:30:00	8.65	59.12	0.01	7.06	0.88	0.00	0.03
SQU-DS	2025-10-07 06:45:00	8.62	59.27	0.01	7.06	0.88	0.00	0.03
SQU-DS	2025-10-07 07:00:00	8.59	59.43	0.00	7.06	0.90	0.00	0.03
SQU-DS	2025-10-07 07:15:00	8.58	59.57	0.00	7.06	0.90	0.00	0.03
SQU-DS	2025-10-07 07:30:00	8.57	59.72	0.00	7.06	0.90	0.00	0.03
SQU-DS	2025-10-07 07:45:00	8.57	59.88	-0.01	7.06	0.88	0.00	0.03
SQU-DS	2025-10-07 08:00:00	8.57	60.20	-0.01	7.06	0.87	0.00	0.03
SQU-DS	2025-10-07 08:15:00	8.59	60.65	-0.02	7.06	0.83	0.00	0.03
SQU-DS	2025-10-07 08:30:00	8.61	60.69	-0.02	7.06	0.77	0.00	0.03
SQU-DS	2025-10-07 08:45:00	8.63	59.95	-0.03	7.06	0.73	1.05	0.03
SQU-DS	2025-10-07 09:00:00	8.65	60.14	-0.03	7.06	0.65	0.94	0.03
SQU-DS	2025-10-07 09:15:00	8.68	60.36	-0.03	7.06	0.59	0.96	0.03
SQU-DS	2025-10-07 09:30:00	8.71	60.57	-0.04	7.06	0.51	0.94	0.03
SQU-DS	2025-10-07 09:45:00	8.74	60.76	-0.04	7.06	0.44	0.89	0.03
SQU-DS	2025-10-07 10:00:00	8.78	60.97	-0.05	7.06	0.36	0.91	0.03
SQU-DS	2025-10-07 10:15:00	8.82	61.16	-0.05	7.06	0.28	0.91	0.03
SQU-DS	2025-10-07 10:30:00	8.87	61.35	-0.05	7.07	0.22	0.78	0.03
SQU-DS	2025-10-07 10:45:00	8.92	61.55	-0.06	7.07	0.18	0.76	0.03
SQU-DS	2025-10-07 11:00:00	8.98	61.73	-0.06	7.07	0.14	0.78	0.03
SQU-DS	2025-10-07 11:15:00	9.02	61.96	-0.07	7.07	0.10	0.72	0.03
SQU-DS	2025-10-07 11:30:00	9.06	62.14	-0.07	7.07	0.07	0.70	0.03
SQU-DS	2025-10-07 11:45:00	9.09	62.31	-0.08	7.07	0.05	0.57	0.03
SQU-DS	2025-10-07 12:00:00	9.12	62.50	-0.08	7.07	0.02	0.51	0.03
SQU-DS	2025-10-07 12:15:00	9.15	62.77	-0.08	7.07	0.01	0.44	0.03
SQU-DS	2025-10-07 12:30:00	9.17	62.88	-0.09	7.07	0.00	0.40	0.03
SQU-DS	2025-10-07 12:45:00	9.19	63.06	-0.09	7.07	0.00	0.38	0.03
SQU-DS	2025-10-07 13:00:00							
SQU-DS	2025-10-07 13:15:00	9.24	63.36	-0.10	7.06	0.00	0.38	0.03
SQU-DS	2025-10-07 13:30:00	9.26	49.28	0.26	7.22	9.67	0.18	0.02
SQU-DS	2025-10-07 13:45:00	9.27	49.32	0.29	7.18	9.81	0.17	0.02
SQU-DS	2025-10-07 14:00:00	9.27	49.36	0.30	7.21	9.92	0.17	0.02
SQU-DS	2025-10-07 14:15:00	9.27	49.40	0.31	7.22	9.96	0.17	0.02
SQU-DS	2025-10-07 14:30:00	9.27	49.45	0.32	7.23	9.96	0.16	0.02
SQU-DS	2025-10-07 14:45:00	9.26	49.49	0.32	7.21	9.98	0.17	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	2025-10-07 15:00:00	9.26	49.57	0.33	7.21	9.96	0.18	0.02
SQU-DS	2025-10-07 15:15:00	9.27	49.63	0.33	7.22	9.94	0.18	0.02
SQU-DS	2025-10-07 15:30:00	9.28	49.64	0.33	7.23	9.94	0.15	0.02
SQU-DS	2025-10-07 15:45:00	9.28	49.59	0.34	7.25	9.94	0.16	0.02
SQU-DS	2025-10-07 16:00:00	9.28	49.56	0.34	7.25	9.95	0.16	0.02
SQU-DS	2025-10-07 16:15:00	9.28	49.57	0.34	7.26	9.99	0.18	0.02
SQU-DS	2025-10-07 16:30:00	9.28	49.58	0.35	7.28	9.95	0.20	0.02
SQU-DS	2025-10-07 16:45:00	9.28	49.53	0.35	7.29	9.93	0.21	0.02
SQU-DS	2025-10-07 17:00:00	9.29	49.59	0.35	7.30	9.94	0.18	0.02
SQU-DS	2025-10-07 17:15:00	9.30	49.68	0.35	7.29	9.93	0.19	0.02
SQU-DS	2025-10-07 17:30:00	9.31	49.76	0.34	7.30	9.90	0.13	0.02
SQU-DS	2025-10-07 17:45:00	9.31	49.80	0.34	7.28	9.95	0.00	0.02
SQU-DS	2025-10-07 18:00:00	9.32	49.81	0.34	7.26	10.00	0.00	0.02
SQU-DS	2025-10-07 18:15:00	9.30	50.03	0.34	7.28	10.05	0.00	0.02
SQU-DS	2025-10-07 18:30:00	9.27	49.83	0.34	7.26	10.08	0.00	0.02
SQU-DS	2025-10-07 18:45:00	9.24	49.93	0.34	7.27	10.08	0.00	0.02
SQU-DS	2025-10-07 19:00:00	9.20	50.05	0.34	7.28	10.06	0.00	0.02
SQU-DS	2025-10-07 19:15:00	9.16	50.12	0.34	7.27	10.09	0.00	0.02
SQU-DS	2025-10-07 19:30:00	9.12	50.24	0.34	7.25	10.05	0.00	0.02
SQU-DS	2025-10-07 19:45:00	9.10	50.32	0.33	7.26	10.04	0.00	0.02
SQU-DS	2025-10-07 20:00:00	9.08	50.37	0.33	7.24	10.02	0.00	0.02
SQU-DS	2025-10-07 20:15:00	9.06	50.40	0.33	7.18	10.01	0.00	0.02
SQU-DS	2025-10-07 20:30:00	9.04	50.41	0.33	7.22	9.99	0.00	0.02
SQU-DS	2025-10-07 20:45:00	9.02	50.42	0.33	7.21	9.97	0.00	0.02
SQU-DS	2025-10-07 21:00:00	9.01	50.37	0.33	7.14	9.97	0.00	0.02
SQU-DS	2025-10-07 21:15:00	9.00	50.32	0.33	7.21	9.99	0.00	0.02
SQU-DS	2025-10-07 21:30:00	8.98	50.31	0.33	7.19	9.99	0.00	0.02
SQU-DS	2025-10-07 21:45:00	8.98	50.33	0.33	7.19	9.98	0.00	0.02
SQU-DS	2025-10-07 22:00:00	8.98	50.33	0.33	7.18	9.98	0.00	0.02
SQU-DS	2025-10-07 22:15:00	8.98	50.36	0.33	7.18	9.96	0.00	0.02
SQU-DS	2025-10-07 22:30:00	8.98	50.40	0.34	7.17	9.95	0.00	0.02
SQU-DS	2025-10-07 22:45:00	8.98	50.43	0.34	7.16	9.94	0.00	0.02
SQU-DS	2025-10-07 23:00:00	8.98	50.46	0.34	7.18	9.92	0.00	0.02
SQU-DS	2025-10-07 23:15:00	8.98	50.48	0.34	7.19	9.90	0.00	0.02
SQU-DS	2025-10-07 23:30:00	8.98	50.51	0.34	7.18	9.89	0.00	0.02
SQU-DS	2025-10-07 23:45:00	8.98	50.52	0.34	7.19	9.87	0.00	0.02
SQU-DS	2025-10-08 00:00:00	8.98	50.54	0.34	7.18	9.85	0.00	0.02
SQU-DS	2025-10-08 00:15:00	8.98	50.58	0.34	7.17	9.84	0.00	0.02
SQU-DS	2025-10-08 00:30:00	8.98	50.60	0.34	7.19	9.83	0.00	0.02
SQU-DS	2025-10-08 00:45:00	8.99	50.63	0.34	7.17	9.82	0.00	0.02
SQU-DS	2025-10-08 01:00:00	8.99	50.64	0.33	7.18	9.79	0.00	0.02
SQU-DS	2025-10-08 01:15:00	9.00	50.65	0.33	7.17	9.78	0.00	0.02
SQU-DS	2025-10-08 01:30:00	9.01	50.65	0.33	7.17	9.76	0.00	0.02
SQU-DS	2025-10-08 01:45:00	9.02	50.67	0.33	7.19	9.73	0.00	0.02
SQU-DS	2025-10-08 02:00:00	9.03	50.66	0.33	7.17	9.71	0.00	0.02
SQU-DS	2025-10-08 02:15:00	9.04	50.69	0.33	7.19	9.68	0.00	0.02
SQU-DS	2025-10-08 02:30:00	9.05	50.67	0.33	7.15	9.66	0.00	0.02
SQU-DS	2025-10-08 02:45:00	9.06	50.68	0.33	7.16	9.65	0.00	0.02
SQU-DS	2025-10-08 03:00:00	9.06	50.67	0.33	7.16	9.64	0.00	0.02
SQU-DS	2025-10-08 03:15:00	9.06	50.68	0.33	7.16	9.62	0.00	0.02
SQU-DS	2025-10-08 03:30:00	9.07	50.70	0.32	7.17	9.60	0.00	0.02
SQU-DS	2025-10-08 03:45:00	9.07	50.72	0.32	7.15	9.57	0.00	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	2025-10-08 04:00:00	9.07	50.73	0.32	7.16	9.55	0.00	0.02
SQU-DS	2025-10-08 04:15:00	9.07	50.75	0.32	7.18	9.54	0.00	0.02
SQU-DS	2025-10-08 04:30:00	9.07	50.78	0.32	7.15	9.53	0.00	0.02
SQU-DS	2025-10-08 04:45:00	9.06	50.81	0.32	7.15	9.50	0.00	0.02
SQU-DS	2025-10-08 05:00:00	9.05	50.84	0.32	7.18	9.49	0.00	0.02
SQU-DS	2025-10-08 05:15:00	9.05	50.85	0.32	7.16	9.47	0.00	0.02
SQU-DS	2025-10-08 05:30:00	9.03	50.85	0.32	7.15	9.45	0.00	0.02
SQU-DS	2025-10-08 05:45:00	9.02	50.88	0.31	7.19	9.44	0.00	0.02
SQU-DS	2025-10-08 06:00:00	9.01	50.88	0.31	7.20	9.44	0.00	0.02
SQU-DS	2025-10-08 06:15:00	8.99	50.94	0.31	7.21	9.45	0.00	0.02
SQU-DS	2025-10-08 06:30:00	8.98	50.99	0.31	7.21	9.44	0.00	0.02
SQU-DS	2025-10-08 06:45:00	8.98	51.06	0.31	7.21	9.43	0.00	0.02
SQU-DS	2025-10-08 07:00:00	8.98	51.14	0.31	7.21	9.41	0.00	0.02
SQU-DS	2025-10-08 07:15:00	8.97	51.24	0.31	7.20	9.40	0.00	0.02
SQU-DS	2025-10-08 07:30:00	8.97	51.33	0.31	7.21	9.37	0.00	0.02
SQU-DS	2025-10-08 07:45:00	8.97	51.45	0.31	7.20	9.36	0.00	0.02
SQU-DS	2025-10-08 08:00:00	8.96	51.52	0.31	7.20	9.33	0.00	0.02
SQU-DS	2025-10-08 08:15:00	8.95	51.62	0.31	7.19	9.32	0.00	0.02
SQU-DS	2025-10-08 08:30:00	8.95	51.73	0.31	7.20	9.30	0.00	0.02
SQU-DS	2025-10-08 08:45:00	8.95	51.79	0.31	7.19	9.28	0.00	0.02
SQU-DS	2025-10-08 09:00:00	8.95	51.85	0.31	7.19	9.26	0.00	0.02
SQU-DS	2025-10-08 09:15:00	8.96	51.92	0.31	7.18	9.24	0.00	0.02
SQU-DS	2025-10-08 09:30:00	8.97	52.00	0.31	7.17	9.22	0.00	0.02
SQU-DS	2025-10-08 09:45:00	8.98	52.04	0.30	7.17	9.20	0.00	0.02
SQU-DS	2025-10-08 10:00:00	8.99	52.05	0.30	7.16	9.18	0.00	0.02
SQU-DS	2025-10-08 10:15:00	9.00	52.08	0.30	7.16	9.15	0.00	0.02
SQU-DS	2025-10-08 10:30:00	9.01	52.11	0.30	7.14	9.14	0.00	0.02
SQU-DS	2025-10-08 10:45:00	9.02	52.15	0.30	7.14	9.14	0.00	0.02
SQU-DS	2025-10-08 11:00:00	9.03	52.11	0.30	7.13	9.12	0.00	0.02
SQU-DS	2025-10-08 11:15:00	9.04	52.11	0.30	7.12	9.14	0.00	0.02
SQU-DS	2025-10-08 11:30:00	9.06	52.26	0.30	7.11	9.18	0.00	0.02
SQU-DS	2025-10-08 11:45:00	9.08	52.29	0.30	7.13	9.19	0.00	0.02
SQU-DS	2025-10-08 12:00:00	9.11	52.31	0.30	7.10	9.21	0.00	0.02
SQU-DS	2025-10-08 12:15:00	9.14	44.15	0.31	7.08	10.21	18.55	0.02
SQU-DS	2025-10-08 12:30:00	9.16	44.16	0.34	7.12	10.22	18.48	0.02
SQU-DS	2025-10-08 12:45:00	9.19	43.77	0.36	7.04	10.22	16.56	0.02
SQU-DS	2025-10-08 13:00:00	9.21	43.32	0.37	6.98	10.22	15.99	0.02
SQU-DS	2025-10-08 13:15:00	9.24	43.00	0.38	6.96	10.22	14.93	0.02
SQU-DS	2025-10-08 13:30:00	9.27	43.10	0.38	6.98	10.22	14.39	0.02
SQU-DS	2025-10-08 13:45:00	9.31	42.12	0.38	6.99	10.21	14.09	0.02
SQU-DS	2025-10-08 14:00:00	9.37	41.29	0.39	6.94	10.16	13.96	0.02
SQU-DS	2025-10-08 14:15:00	9.41	40.07	0.39	6.97	10.20	13.73	0.02
SQU-DS	2025-10-08 14:30:00	9.45	38.57	0.39	7.03	10.20	13.58	0.02
SQU-DS	2025-10-08 14:45:00	9.49	34.95	0.39	6.91	10.19	13.12	0.02
SQU-DS	2025-10-08 15:00:00	9.52	30.69	0.40	6.92	10.18	12.98	0.01
SQU-DS	2025-10-08 15:15:00	9.54	28.56	0.40	6.92	10.18	12.93	0.01
SQU-DS	2025-10-08 15:30:00	9.57	28.07	0.40	6.91	10.18	12.99	0.01
SQU-DS	2025-10-08 15:45:00	9.57	27.42	0.40	6.96	10.19	12.74	0.01
SQU-DS	2025-10-08 16:00:00	9.57	27.10	0.40	6.94	10.19	12.68	0.01
SQU-DS	2025-10-08 16:15:00	9.57	27.07	0.40	6.96	10.19	12.66	0.01
SQU-DS	2025-10-08 16:30:00	9.55	26.93	0.41	6.93	10.20	12.60	0.01
SQU-DS	2025-10-08 16:45:00	9.54	26.98	0.41	6.96	10.20	12.59	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-DS	2025-10-08 17:00:00	9.52	26.97	0.41	6.98	10.20	12.55	0.01
SQU-DS	2025-10-08 17:15:00	9.51	27.11	0.42	6.95	10.18	12.47	0.01
SQU-DS	2025-10-08 17:30:00	9.49	27.19	0.42	6.95	10.17	12.30	0.01
SQU-DS	2025-10-08 17:45:00	9.49	27.43	0.42	6.97	10.15	12.37	0.01
SQU-DS	2025-10-08 18:00:00	9.48	27.61	0.42	6.92	10.14	12.31	0.01
SQU-DS	2025-10-08 18:15:00	9.46	27.89	0.42	6.95	10.14	12.31	0.01
SQU-DS	2025-10-08 18:30:00	9.44	28.21	0.42	6.96	10.10	12.27	0.01
SQU-DS	2025-10-08 18:45:00	9.43	28.43	0.42	6.94	10.14	12.29	0.01
SQU-DS	2025-10-08 19:00:00	9.40	28.55	0.42	6.93	10.14	12.25	0.01
SQU-DS	2025-10-08 19:15:00	9.38	28.84	0.43	6.93	10.16	12.31	0.01
SQU-DS	2025-10-08 19:30:00	9.35	29.26	0.43	6.92	10.15	12.27	0.01
SQU-DS	2025-10-08 19:45:00	9.33	29.56	0.43	6.91	10.12	12.27	0.01
SQU-DS	2025-10-08 20:00:00	9.32	29.68	0.43	6.89	10.12	12.16	0.01
SQU-DS	2025-10-08 20:15:00	9.31	30.15	0.43	6.87	10.11	12.20	0.01
SQU-DS	2025-10-08 20:30:00	9.32	30.35	0.43	6.87	10.10	12.14	0.01
SQU-DS	2025-10-08 20:45:00	9.32	30.35	0.43	6.90	10.10	12.05	0.01
SQU-DS	2025-10-08 21:00:00	9.31	30.81	0.43	6.89	10.09	12.12	0.01
SQU-DS	2025-10-08 21:15:00	9.31	31.25	0.43	6.87	10.09	12.30	0.01
SQU-DS	2025-10-08 21:30:00	9.30	31.44	0.43	6.88	10.10	12.70	0.01
SQU-DS	2025-10-08 21:45:00	9.28	32.49	0.44	6.87	10.10	12.58	0.01
SQU-DS	2025-10-08 22:00:00	9.27	33.19	0.44	6.89	10.13	12.68	0.01
SQU-DS	2025-10-08 22:15:00	9.26	30.18	0.43	6.98	10.14	12.62	0.01
SQU-DS	2025-10-08 22:30:00	9.24	28.21	0.43	7.04	10.11	12.73	0.01
SQU-DS	2025-10-08 22:45:00	9.23	27.72	0.43	7.05	10.10	12.70	0.01
SQU-DS	2025-10-08 23:00:00	9.23	27.72	0.43	7.05	10.02	12.66	0.01
SQU-DS	2025-10-08 23:15:00	9.23	27.78	0.43	7.05	9.91	12.58	0.01
SQU-DS	2025-10-08 23:30:00	9.22	28.02	0.43	7.05	9.79	12.32	0.01
SQU-DS	2025-10-08 23:45:00	9.23	28.27	0.44	7.04	9.63	12.42	0.01
SQU-DS	2025-10-09 00:00:00	9.23	28.51	0.44	7.04	9.47	12.44	0.01
SQU-DS	2025-10-09 00:15:00	9.22	28.79	0.44	7.03	9.24	12.50	0.01
SQU-DS	2025-10-09 00:30:00	9.22	29.13	0.44	7.03	8.99	13.05	0.01
SQU-DS	2025-10-09 00:45:00	9.21	29.44	0.44	7.02	8.71	13.06	0.01
SQU-DS	2025-10-09 01:00:00	9.19	29.79	0.44	7.01	8.43	12.95	0.01
SQU-DS	2025-10-09 01:15:00	9.18	30.16	0.44	7.01	8.15	12.92	0.01
SQU-DS	2025-10-09 01:30:00	9.17	30.52	0.44	7.00	7.88	12.87	0.01
SQU-DS	2025-10-09 01:45:00	9.16	30.91	0.44	6.99	7.55	12.81	0.01
SQU-DS	2025-10-09 02:00:00	9.15	31.29	0.44	6.98	7.22	12.80	0.01
SQU-DS	2025-10-09 02:15:00	9.13	31.70	0.44	6.98	6.90	12.79	0.01
SQU-DS	2025-10-09 02:30:00	9.12	32.13	0.44	6.97	6.55	12.80	0.01
SQU-DS	2025-10-09 02:45:00	9.10	32.49	0.44	6.96	6.19	12.82	0.01
SQU-DS	2025-10-09 03:00:00	9.09	32.88	0.44	6.96	5.85	12.82	0.01
SQU-DS	2025-10-09 03:15:00	9.09	33.22	0.43	6.95	5.50	12.81	0.01
SQU-DS	2025-10-09 03:30:00	9.08	33.56	0.43	6.94	5.17	12.81	0.01
SQU-DS	2025-10-09 03:45:00	9.07	33.93	0.42	6.94	4.82	12.80	0.01
SQU-DS	2025-10-09 04:00:00	9.07	34.25	0.41	6.93	4.50	12.77	0.01
SQU-DS	2025-10-09 04:15:00	9.07	34.65	0.40	6.93	4.15	12.79	0.01
SQU-DS	2025-10-09 04:30:00	9.07	35.04	0.40	6.92	3.79	12.79	0.02
SQU-DS	2025-10-09 04:45:00	9.06	35.39	0.39	6.91	3.45	12.79	0.02
SQU-DS	2025-10-09 05:00:00	9.06	35.78	0.39	6.90	3.12	12.81	0.02
SQU-DS	2025-10-09 05:15:00	9.06	36.14	0.38	6.90	2.79	12.74	0.02
SQU-DS	2025-10-09 05:30:00	9.06	36.56	0.38	6.89	2.47	12.74	0.02
SQU-DS	2025-10-09 05:45:00	9.06	37.00	0.37	6.88	2.17	12.73	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	2025-10-09 06:00:00	9.05	37.40	0.37	6.88	1.89	12.76	0.02
SQU-DS	2025-10-09 06:15:00	9.04	37.73	0.36	6.88	1.64	12.79	0.02
SQU-DS	2025-10-09 06:30:00	9.02	38.00	0.36	6.88	1.42	12.77	0.02
SQU-DS	2025-10-09 06:45:00	9.00	38.14	0.35	6.89	1.24	12.80	0.02
SQU-DS	2025-10-09 07:00:00	8.98	38.26	0.35	6.89	1.08	12.76	0.02
SQU-DS	2025-10-09 07:15:00	8.96	38.39	0.35	6.89	0.94	12.76	0.02
SQU-DS	2025-10-09 07:30:00	8.93	38.52	0.35	6.89	0.81	12.82	0.02
SQU-DS	2025-10-09 07:45:00	8.91	38.64	0.35	6.88	0.71	12.80	0.02
SQU-DS	2025-10-09 08:00:00	8.89	38.76	0.34	6.88	0.62	12.90	0.02
SQU-DS	2025-10-09 08:15:00	8.88	38.89	0.34	6.88	0.54	12.87	0.02
SQU-DS	2025-10-09 08:30:00	8.86	39.00	0.34	6.87	0.46	12.88	0.02
SQU-DS	2025-10-09 08:45:00	8.85	39.14	0.34	6.87	0.40	12.92	0.02
SQU-DS	2025-10-09 09:00:00	8.84	39.23	0.33	6.87	0.34	12.90	0.02
SQU-DS	2025-10-09 09:15:00	8.83	39.38	0.33	6.87	0.29	12.86	0.02
SQU-DS	2025-10-09 09:30:00	8.82	39.54	0.33	6.86	0.24	12.85	0.02
SQU-DS	2025-10-09 09:45:00	8.81	39.72	0.32	6.86	0.20	12.80	0.02
SQU-DS	2025-10-09 10:00:00	8.81	39.88	0.32	6.86	0.16	12.85	0.02
SQU-DS	2025-10-09 10:15:00	8.81	40.05	0.32	6.86	0.13	12.87	0.02
SQU-DS	2025-10-09 10:30:00	8.81	40.26	0.31	6.86	0.10	12.85	0.02
SQU-DS	2025-10-09 10:45:00	8.81	40.73	0.31	6.86	0.08	12.89	0.02
SQU-DS	2025-10-09 11:00:00	8.82	40.63	0.31	6.86	0.05	12.83	0.02
SQU-DS	2025-10-09 11:15:00	8.84	40.97	0.30	6.86	0.03	12.79	0.02
SQU-DS	2025-10-09 11:30:00	8.85	41.28	0.30	6.86	0.00	12.83	0.02
SQU-DS	2025-10-09 11:45:00	8.88	41.62	0.29	6.86	0.00	12.77	0.02
SQU-DS	2025-10-09 12:00:00	8.90	41.96	0.29	6.86	0.00	12.76	0.02
SQU-DS	2025-10-09 12:15:00	8.92	42.31	0.29	6.86	0.00	12.70	0.02
SQU-DS	2025-10-09 12:30:00	8.95	42.66	0.28	6.86	0.00	12.71	0.02
SQU-DS	2025-10-09 12:45:00	8.98	43.04	0.28	6.86	0.00	12.71	0.02
SQU-DS	2025-10-09 13:00:00	9.00	43.45	0.27	6.87	0.00	12.67	0.02
SQU-DS	2025-10-09 13:15:00	9.03	43.87	0.27	6.86	0.00	12.70	0.02
SQU-DS	2025-10-09 13:30:00	9.06	44.34	0.27	6.86	0.00	12.73	0.02
SQU-DS	2025-10-09 13:45:00	9.10	44.75	0.26	6.86	0.00	12.64	0.02
SQU-DS	2025-10-09 14:00:00	9.15	45.20	0.26	6.87	0.00	12.65	0.02
SQU-DS	2025-10-09 14:15:00	9.23	45.69	0.26	6.87	0.00	12.59	0.02
SQU-DS	2025-10-09 14:30:00	9.30	46.16	0.25	6.87	0.00	12.59	0.02
SQU-DS	2025-10-09 14:45:00	9.37	46.61	0.25	6.87	0.00	12.60	0.02
SQU-DS	2025-10-09 15:00:00	9.44	47.11	0.25	6.86	0.00	12.52	0.02
SQU-DS	2025-10-09 15:15:00	9.48	47.60	0.24	6.87	0.00	12.52	0.02
SQU-DS	2025-10-09 15:30:00	9.52	48.06	0.24	6.87	0.00	12.49	0.02
SQU-DS	2025-10-09 15:45:00	9.56	48.50	0.23	6.87	0.00	12.48	0.02
SQU-DS	2025-10-09 16:00:00	9.59	48.89	0.22	6.87	0.00	12.54	0.02
SQU-DS	2025-10-09 16:15:00	9.62	49.25	0.22	6.87	0.00	12.54	0.02
SQU-DS	2025-10-09 16:30:00	9.65	49.58	0.21	6.87	0.00	12.54	0.02
SQU-DS	2025-10-09 16:45:00	9.66	49.91	0.20	6.87	0.00	12.49	0.02
SQU-DS	2025-10-09 17:00:00	9.65	50.20	0.20	6.88	0.00	12.54	0.02
SQU-DS	2025-10-09 17:15:00	9.64	50.41	0.19	6.88	0.00	12.53	0.02
SQU-DS	2025-10-09 17:30:00	9.61	50.57	0.18	6.87	0.00	12.54	0.02
SQU-DS	2025-10-09 17:45:00	9.58	50.73	0.18	6.87	0.00	12.51	0.02
SQU-DS	2025-10-09 18:00:00	9.55	50.86	0.17	6.87	0.00	12.52	0.02
SQU-DS	2025-10-09 18:15:00	9.51	50.99	0.17	6.86	0.00	12.48	0.02
SQU-DS	2025-10-09 18:30:00	9.48	51.06	0.16	6.86	0.00	12.46	0.02
SQU-DS	2025-10-09 18:45:00	9.44	51.15	0.15	6.85	0.00	12.49	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	2025-10-09 19:00:00	9.41	51.22	0.15	6.85	0.00	12.43	0.02
SQU-DS	2025-10-09 19:15:00	9.38	51.32	0.15	6.84	0.00	12.45	0.02
SQU-DS	2025-10-09 19:30:00	9.35	51.42	0.14	6.83	0.00	12.52	0.02
SQU-DS	2025-10-09 19:45:00	9.31	51.56	0.14	6.83	0.00	12.51	0.02
SQU-DS	2025-10-09 20:00:00	9.28	51.69	0.13	6.83	0.00	12.50	0.02
SQU-DS	2025-10-09 20:15:00	9.25	51.83	0.12	6.83	0.00	12.48	0.02
SQU-DS	2025-10-09 20:30:00	9.22	52.04	0.11	6.83	0.00	12.49	0.02
SQU-DS	2025-10-09 20:45:00	9.21	52.26	0.11	6.83	0.00	12.48	0.02
SQU-DS	2025-10-09 21:00:00	9.23	52.55	0.10	6.83	0.00	12.45	0.02
SQU-DS	2025-10-09 21:15:00	9.25	52.89	0.10	6.83	0.00	12.45	0.02
SQU-DS	2025-10-09 21:30:00	9.25	53.27	0.09	6.84	0.00	12.45	0.02
SQU-DS	2025-10-09 21:45:00	9.25	53.72	0.09	6.84	0.00	12.43	0.02
SQU-DS	2025-10-09 22:00:00	9.25	54.22	0.09	6.84	0.00	12.41	0.02
SQU-DS	2025-10-09 22:15:00	9.25	54.79	0.08	6.84	0.00	12.63	0.02
SQU-DS	2025-10-09 22:30:00	9.26	55.54	0.08	6.85	0.00	11.91	0.02
SQU-DS	2025-10-09 22:45:00	9.29	56.96	0.07	6.80	0.00	11.91	0.03
SQU-DS	2025-10-09 23:00:00	9.34	59.22	0.07	6.76	0.00	11.91	0.03
SQU-DS	2025-10-09 23:15:00	9.41	62.77	0.07	6.74	0.00	11.73	0.03
SQU-DS	2025-10-09 23:30:00	9.46	66.41	0.07	6.72	0.00	11.72	0.03
SQU-DS	2025-10-09 23:45:00	9.49	69.30	0.07	6.71	0.00	11.69	0.03
SQU-DS	2025-10-10 00:00:00	9.50	71.59	0.07	6.69	0.00	11.67	0.03
SQU-DS	2025-10-10 00:15:00	9.51	73.79	0.06	6.69	0.00	11.81	0.03
SQU-DS	2025-10-10 00:30:00	9.53	76.07	0.06	6.71	0.00	11.52	0.03
SQU-DS	2025-10-10 00:45:00	9.54	78.19	0.06	6.72	0.00	11.49	0.04
SQU-DS	2025-10-10 01:00:00	9.55	80.20	0.05	6.73	0.00	11.51	0.04
SQU-DS	2025-10-10 01:15:00	9.55	82.09	0.05	6.73	0.00	11.54	0.04
SQU-DS	2025-10-10 01:30:00	9.55	83.67	0.05	6.73	0.00	11.51	0.04
SQU-DS	2025-10-10 01:45:00	9.55	84.96	0.05	6.73	0.00	11.45	0.04
SQU-DS	2025-10-10 02:00:00	9.55	86.11	0.04	6.72	0.00	11.41	0.04
SQU-DS	2025-10-10 02:15:00	9.55	87.12	0.04	6.72	0.00	11.45	0.04
SQU-DS	2025-10-10 02:30:00	9.54	87.91	0.03	6.71	0.00	11.42	0.04
SQU-DS	2025-10-10 02:45:00	9.54	88.66	0.03	6.70	0.00	11.38	0.04
SQU-DS	2025-10-10 03:00:00	9.54	89.39	0.03	6.70	0.00	11.26	0.04
SQU-DS	2025-10-10 03:15:00	9.54	89.99	0.02	6.69	0.00	11.21	0.04
SQU-DS	2025-10-10 03:30:00	9.54	90.67	0.02	6.69	0.00	10.93	0.04
SQU-DS	2025-10-10 03:45:00	9.54	91.35	0.02	6.68	0.00	10.90	0.04
SQU-DS	2025-10-10 04:00:00	9.54	91.96	0.01	6.68	0.00	10.89	0.04
SQU-DS	2025-10-10 04:15:00	9.55	92.50	0.01	6.67	0.00	10.84	0.04
SQU-DS	2025-10-10 04:30:00	9.54	93.11	0.01	6.67	0.00	10.71	0.04
SQU-DS	2025-10-10 04:45:00	9.53	93.68	0.01	6.66	0.00	10.74	0.04
SQU-DS	2025-10-10 05:00:00	9.51	94.24	0.00	6.66	0.00	10.75	0.04
SQU-DS	2025-10-10 05:15:00	9.49	94.66	0.00	6.66	0.00	10.75	0.04
SQU-DS	2025-10-10 05:30:00	9.47	95.01	0.00	6.65	0.00	10.69	0.04
SQU-DS	2025-10-10 05:45:00	9.46	95.29	0.00	6.65	0.00	10.09	0.04
SQU-DS	2025-10-10 06:00:00	9.44	95.55	0.00	6.64	0.00	9.66	0.04
SQU-DS	2025-10-10 06:15:00	9.43	95.69	-0.01	6.64	0.00	9.49	0.04
SQU-DS	2025-10-10 06:30:00	9.41	95.76	-0.01	6.68	0.00	9.38	0.04
SQU-DS	2025-10-10 06:45:00	9.34	95.94	-0.02	6.70	0.00	8.94	0.04
SQU-DS	2025-10-10 07:00:00	9.26	96.12	-0.03	6.70	0.00	8.44	0.04
SQU-DS	2025-10-10 07:15:00	9.19	96.31	-0.03	6.70	0.00	8.45	0.04
SQU-DS	2025-10-10 07:30:00	9.12	96.52	-0.03	6.70	0.00	8.42	0.04
SQU-DS	2025-10-10 07:45:00	9.05	96.66	-0.03	6.70	0.00	8.43	0.04

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	2025-10-10 08:00:00	8.99	96.82	-0.03	6.70	0.00	8.40	0.04
SQU-DS	2025-10-10 08:15:00	8.93	97.04	-0.03	6.70	0.00	8.44	0.04
SQU-DS	2025-10-10 08:30:00	8.87	97.23	-0.03	6.69	0.00	8.46	0.04
SQU-DS	2025-10-10 08:45:00	8.83	97.42	-0.03	6.69	0.00	8.43	0.05
SQU-DS	2025-10-10 09:00:00	8.78	97.56	-0.03	6.68	0.00	8.47	0.05
SQU-DS	2025-10-10 09:15:00	8.75	97.73	-0.03	6.67	0.00	8.51	0.05
SQU-DS	2025-10-10 09:30:00	8.72	97.86	-0.03	6.67	0.00	8.50	0.05
SQU-DS	2025-10-10 09:45:00	8.71	97.97	-0.03	6.67	0.00	8.49	0.05
SQU-DS	2025-10-10 10:00:00	8.70	98.13	-0.03	6.66	0.00	8.51	0.05
SQU-DS	2025-10-10 10:15:00	8.70	98.20	-0.03	6.66	0.00	8.49	0.05
SQU-DS	2025-10-10 10:30:00	8.71	98.27	-0.03	6.66	0.00	8.44	0.05
SQU-DS	2025-10-10 10:45:00	8.72	98.34	-0.03	6.66	0.00	8.44	0.05
SQU-DS	2025-10-10 11:00:00	8.73	98.41	-0.03	6.66	0.00	8.47	0.05
SQU-DS	2025-10-10 11:15:00	8.74	98.47	-0.04	6.66	0.00	8.43	0.05
SQU-DS	2025-10-10 11:30:00	8.76	98.49	-0.04	6.66	0.00	8.44	0.05
SQU-DS	2025-10-10 11:45:00	8.77	98.51	-0.04	6.67	0.00	8.46	0.05
SQU-DS	2025-10-10 12:00:00	8.79	98.53	-0.04	6.67	0.00	8.43	0.05
SQU-DS	2025-10-10 12:15:00	8.79	98.54	-0.04	6.67	0.00	8.40	0.05
SQU-DS	2025-10-10 12:30:00	8.79	98.51	-0.04	6.67	0.00	8.39	0.05
SQU-DS	2025-10-10 12:45:00	8.81	98.46	-0.05	6.67	0.00	8.41	0.05
SQU-DS	2025-10-10 13:00:00	8.82	98.41	-0.05	6.67	0.00	8.39	0.05
SQU-DS	2025-10-10 13:15:00	8.84	98.39	-0.05	6.67	0.00	8.37	0.05
SQU-DS	2025-10-10 13:30:00	8.85	98.33	-0.05	6.67	0.00	8.36	0.05
SQU-DS	2025-10-10 13:45:00	8.88	98.28	-0.05	6.67	0.00	8.38	0.05
SQU-DS	2025-10-10 14:00:00	8.90	98.24	-0.05	6.67	0.00	8.38	0.05
SQU-DS	2025-10-10 14:15:00	8.93	98.20	-0.05	6.67	0.00	8.34	0.05
SQU-DS	2025-10-10 14:30:00	8.94	98.19	-0.05	6.66	0.00	8.39	0.05
SQU-DS	2025-10-10 14:45:00	8.96	98.20	-0.06	6.66	0.00	8.33	0.05
SQU-DS	2025-10-10 15:00:00	8.97	98.24	-0.06	6.66	0.00	8.37	0.05
SQU-DS	2025-10-10 15:15:00	8.98	98.27	-0.06	6.66	0.00	8.35	0.05
SQU-DS	2025-10-10 15:30:00	8.99	98.33	-0.06	6.66	0.00	8.35	0.05
SQU-DS	2025-10-10 15:45:00	9.00	98.40	-0.06	6.66	0.00	8.34	0.05
SQU-DS	2025-10-10 16:00:00	9.01	98.49	-0.06	6.66	0.00	8.35	0.05
SQU-DS	2025-10-10 16:15:00	9.01	98.58	-0.06	6.66	0.00	8.33	0.05
SQU-DS	2025-10-10 16:30:00	9.02	98.66	-0.06	6.66	0.00	8.31	0.05
SQU-DS	2025-10-10 16:45:00	9.02	98.77	-0.06	6.67	0.00	8.33	0.05
SQU-DS	2025-10-10 17:00:00	9.02	98.88	-0.06	6.67	0.00	8.31	0.05
SQU-DS	2025-10-10 17:15:00	9.03	98.98	-0.06	6.67	0.00	8.35	0.05
SQU-DS	2025-10-10 17:30:00	9.03	99.07	-0.07	6.67	0.00	8.31	0.05
SQU-DS	2025-10-10 17:45:00	9.04	99.19	-0.07	6.67	0.00	8.31	0.05
SQU-DS	2025-10-10 18:00:00	9.04	99.35	-0.07	6.67	0.00	8.34	0.05
SQU-DS	2025-10-10 18:15:00	9.05	99.47	-0.07	6.67	0.00	8.35	0.05
SQU-DS	2025-10-10 18:30:00	9.05	99.63	-0.07	6.67	0.00	8.35	0.05
SQU-DS	2025-10-10 18:45:00	9.04	99.77	-0.07	6.66	0.00	8.35	0.05
SQU-DS	2025-10-10 19:00:00	9.04	99.92	-0.07	6.66	0.00	8.34	0.05
SQU-DS	2025-10-10 19:15:00	9.03	100.03	-0.07	6.66	0.00	8.32	0.05
SQU-DS	2025-10-10 19:30:00	9.03	100.19	-0.07	6.65	0.00	8.32	0.05
SQU-DS	2025-10-10 19:45:00	9.02	100.31	-0.07	6.65	0.00	8.34	0.05
SQU-DS	2025-10-10 20:00:00	9.01	100.43	-0.07	6.65	0.00	8.35	0.05
SQU-DS	2025-10-10 20:15:00	9.00	100.53	-0.07	6.64	0.00	8.35	0.05
SQU-DS	2025-10-10 20:30:00	8.99	100.61	-0.07	6.64	0.00	8.32	0.05
SQU-DS	2025-10-10 20:45:00	8.98	100.64	-0.07	6.64	0.00	8.32	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	2025-10-10 21:00:00	8.98	100.66	-0.07	6.64	0.00	8.35	0.05
SQU-DS	2025-10-10 21:15:00	8.98	100.64	-0.08	6.64	0.00	8.33	0.05
SQU-DS	2025-10-10 21:30:00	8.99	100.57	-0.08	6.65	0.00	8.34	0.05
SQU-DS	2025-10-10 21:45:00	8.99	100.51	-0.08	6.65	0.00	8.29	0.05
SQU-DS	2025-10-10 22:00:00	9.00	100.43	-0.08	6.65	0.00	8.31	0.05
SQU-DS	2025-10-10 22:15:00	9.02	100.36	-0.08	6.65	0.00	8.29	0.05
SQU-DS	2025-10-10 22:30:00	9.03	100.24	-0.08	6.65	0.00	8.32	0.05
SQU-DS	2025-10-10 22:45:00	9.04	100.08	-0.08	6.65	0.00	8.30	0.05
SQU-DS	2025-10-10 23:00:00	9.06	99.94	-0.09	6.65	0.00	8.31	0.05
SQU-DS	2025-10-10 23:15:00	9.07	99.77	-0.09	6.65	0.00	8.28	0.05
SQU-DS	2025-10-10 23:30:00	9.08	99.63	-0.09	6.65	0.00	8.29	0.05
SQU-DS	2025-10-10 23:45:00	9.09	99.45	-0.09	6.65	0.00	8.28	0.05
SQU-DS	2025-10-11 00:00:00	9.09	99.25	-0.09	6.65	0.00	8.29	0.05
SQU-DS	2025-10-11 00:15:00	9.10	99.05	-0.09	6.66	0.00	8.24	0.05
SQU-DS	2025-10-11 00:30:00	9.11	98.83	-0.09	6.66	0.00	8.29	0.05
SQU-DS	2025-10-11 00:45:00	9.11	98.62	-0.09	6.66	0.00	8.28	0.05
SQU-DS	2025-10-11 01:00:00	9.11	98.39	-0.09	6.66	0.00	8.25	0.05
SQU-DS	2025-10-11 01:15:00	9.11	98.15	-0.09	6.66	0.00	8.30	0.05
SQU-DS	2025-10-11 01:30:00	9.12	97.88	-0.09	6.66	0.00	8.29	0.05
SQU-DS	2025-10-11 01:45:00	9.12	97.63	-0.09	6.66	0.00	8.27	0.05
SQU-DS	2025-10-11 02:00:00	9.12	97.39	-0.10	6.66	0.00	8.31	0.05
SQU-DS	2025-10-11 02:15:00	9.12	97.15	-0.10	6.66	0.00	8.23	0.04
SQU-DS	2025-10-11 02:30:00	9.12	96.93	-0.10	6.66	0.00	8.29	0.04
SQU-DS	2025-10-11 02:45:00	9.12	97.07	-0.10	6.66	0.00	8.27	0.04
SQU-DS	2025-10-11 03:00:00	9.12	96.81	-0.10	6.66	0.00	8.28	0.04
SQU-DS	2025-10-11 03:15:00	9.12	96.59	-0.10	6.66	0.00	8.30	0.04
SQU-DS	2025-10-11 03:30:00	9.11	96.41	-0.10	6.66	0.00	8.28	0.04
SQU-DS	2025-10-11 03:45:00	9.11	96.21	-0.10	6.67	0.00	8.28	0.04
SQU-DS	2025-10-11 04:00:00	9.11	96.08	-0.10	6.67	0.00	8.24	0.04
SQU-DS	2025-10-11 04:15:00	9.10	95.93	-0.10	6.67	0.00	8.24	0.04
SQU-DS	2025-10-11 04:30:00	9.10	95.81	-0.10	6.67	0.00	8.24	0.04
SQU-DS	2025-10-11 04:45:00	9.09	95.73	-0.11	6.67	0.00	8.27	0.04
SQU-DS	2025-10-11 05:00:00	9.08	95.52	-0.11	6.67	0.00	7.69	0.04
SQU-DS	2025-10-11 05:15:00	9.07	95.48	-0.11	6.67	0.00	7.67	0.04
SQU-DS	2025-10-11 05:30:00	9.06	95.43	-0.11	6.68	0.00	7.71	0.04
SQU-DS	2025-10-11 05:45:00	9.05	95.44	-0.11	6.68	0.00	7.70	0.04
SQU-DS	2025-10-11 06:00:00	9.04	95.43	-0.11	6.68	0.00	7.68	0.04
SQU-DS	2025-10-11 06:15:00	9.03	95.43	-0.11	6.68	0.00	7.70	0.04
SQU-DS	2025-10-11 06:30:00	9.02	95.44	-0.11	6.69	0.00	7.71	0.04
SQU-DS	2025-10-11 06:45:00	9.01	95.49	-0.11	6.69	0.00	7.69	0.04
SQU-DS	2025-10-11 07:00:00	9.00	95.48	-0.12	6.69	0.00	7.69	0.04
SQU-DS	2025-10-11 07:15:00	8.99	95.52	-0.12	6.69	0.00	7.69	0.04
SQU-DS	2025-10-11 07:30:00	8.98	95.63	-0.12	6.69	0.00	7.70	0.04
SQU-DS	2025-10-11 07:45:00	8.97	95.73	-0.12	6.69	0.00	7.72	0.04
SQU-DS	2025-10-11 08:00:00	8.96	95.89	-0.12	6.70	0.00	7.68	0.04
SQU-DS	2025-10-11 08:15:00	8.94	96.06	-0.12	6.70	0.00	7.64	0.04
SQU-DS	2025-10-11 08:30:00	8.92	96.26	-0.12	6.70	0.00	7.68	0.04
SQU-DS	2025-10-11 08:45:00	8.90	96.49	-0.12	6.70	0.00	7.67	0.04
SQU-DS	2025-10-11 09:00:00	8.87	96.73	-0.12	6.71	0.00	7.67	0.04
SQU-DS	2025-10-11 09:15:00	8.85	96.99	-0.13	6.70	0.00	7.67	0.04
SQU-DS	2025-10-11 09:30:00	8.82	97.26	-0.13	6.70	0.00	7.72	0.04
SQU-DS	2025-10-11 09:45:00	8.79	97.51	-0.13	6.70	0.00	7.70	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	2025-10-11 10:00:00	8.77	97.74	-0.13	6.69	0.00	7.68	0.05
SQU-DS	2025-10-11 10:15:00	8.75	97.93	-0.13	6.69	0.00	7.66	0.05
SQU-DS	2025-10-11 10:30:00	8.73	98.03	-0.13	6.68	0.00	7.70	0.05
SQU-DS	2025-10-11 10:45:00	8.72	98.12	-0.13	6.67	0.00	7.65	0.05
SQU-DS	2025-10-11 11:00:00	8.71	98.18	-0.13	6.67	0.00	7.67	0.05
SQU-DS	2025-10-11 11:15:00	8.71	98.18	-0.13	6.67	0.00	7.67	0.05
SQU-DS	2025-10-11 11:30:00	8.71	98.13	-0.13	6.66	0.00	7.69	0.05
SQU-DS	2025-10-11 11:45:00	8.72	98.06	-0.13	6.66	0.00	7.66	0.05
SQU-DS	2025-10-11 12:00:00	8.73	97.97	-0.13	6.66	0.00	7.64	0.05
SQU-DS	2025-10-11 12:15:00	8.75	97.92	-0.13	6.66	0.00	7.68	0.05
SQU-DS	2025-10-11 12:30:00	8.76	97.87	-0.13	6.66	0.00	7.65	0.05
SQU-DS	2025-10-11 12:45:00	8.78	97.81	-0.13	6.67	0.00	7.64	0.05
SQU-DS	2025-10-11 13:00:00	8.80	97.79	-0.14	6.67	0.00	7.64	0.05
SQU-DS	2025-10-11 13:15:00	8.82	97.75	-0.14	6.67	0.00	7.64	0.05
SQU-DS	2025-10-11 13:30:00	8.84	97.78	-0.14	6.67	0.00	7.66	0.05
SQU-DS	2025-10-11 13:45:00	8.87	97.80	-0.14	6.68	0.00	7.60	0.05
SQU-DS	2025-10-11 14:00:00	8.89	97.85	-0.15	6.68	0.00	7.70	0.05
SQU-DS	2025-10-11 14:15:00	8.90	97.89	-0.15	6.68	0.00	7.62	0.05
SQU-DS	2025-10-11 14:30:00	8.91	97.97	-0.15	6.68	0.00	7.63	0.05
SQU-DS	2025-10-11 14:45:00	8.93	98.07	-0.15	6.68	0.00	7.61	0.05
SQU-DS	2025-10-11 15:00:00	8.95	98.15	-0.15	6.68	0.00	7.58	0.05
SQU-DS	2025-10-11 15:15:00	8.98	98.26	-0.15	6.68	0.00	7.56	0.05
SQU-DS	2025-10-11 15:30:00	9.00	98.37	-0.16	6.68	0.00	7.63	0.05
SQU-DS	2025-10-11 15:45:00	9.02	98.44	-0.16	6.69	0.00	7.62	0.05
SQU-DS	2025-10-11 16:00:00	9.03	98.55	-0.16	6.69	0.00	7.62	0.05
SQU-DS	2025-10-11 16:15:00	9.04	98.67	-0.16	6.69	0.00	7.61	0.05
SQU-DS	2025-10-11 16:30:00	9.05	98.76	-0.16	6.69	0.00	7.60	0.05
SQU-DS	2025-10-11 16:45:00	9.06	98.85	-0.17	6.70	0.00	7.59	0.05
SQU-DS	2025-10-11 17:00:00	9.06	98.98	-0.17	6.70	0.00	7.57	0.05
SQU-DS	2025-10-11 17:15:00	9.06	99.11	-0.17	6.70	0.00	7.62	0.05
SQU-DS	2025-10-11 17:30:00	9.06	99.23	-0.17	6.70	0.00	7.57	0.05
SQU-DS	2025-10-11 17:45:00	9.06	99.32	-0.17	6.70	0.00	7.61	0.05
SQU-DS	2025-10-11 18:00:00	9.05	99.43	-0.18	6.71	0.00	7.54	0.05
SQU-DS	2025-10-11 18:15:00	9.05	99.56	-0.18	6.71	0.00	7.62	0.05
SQU-DS	2025-10-11 18:30:00	9.04	99.68	-0.18	6.71	0.00	7.59	0.05
SQU-DS	2025-10-11 18:45:00	9.04	99.78	-0.18	6.71	0.00	7.60	0.05
SQU-DS	2025-10-11 19:00:00	9.03	99.90	-0.18	6.71	0.00	7.61	0.05
SQU-DS	2025-10-11 19:15:00	9.02	100.01	-0.18	6.71	0.00	7.62	0.05
SQU-DS	2025-10-11 19:30:00	9.02	100.11	-0.19	6.71	0.00	7.57	0.05
SQU-DS	2025-10-11 19:45:00	9.01	100.22	-0.19	6.71	0.00	7.57	0.05
SQU-DS	2025-10-11 20:00:00	9.00	100.34	-0.19	6.71	0.00	7.56	0.05
SQU-DS	2025-10-11 20:15:00	8.99	100.43	-0.19	6.71	0.00	7.61	0.05
SQU-DS	2025-10-11 20:30:00	8.99	100.53	-0.19	6.71	0.00	7.59	0.05
SQU-DS	2025-10-11 20:45:00	8.99	100.58	-0.20	6.71	0.00	7.57	0.05
SQU-DS	2025-10-11 21:00:00	8.98	100.68	-0.20	6.71	0.00	7.60	0.05
SQU-DS	2025-10-11 21:15:00	8.98	100.77	-0.20	6.71	0.00	7.58	0.05
SQU-DS	2025-10-11 21:30:00	8.98	100.83	-0.20	6.71	0.00	7.60	0.05
SQU-DS	2025-10-11 21:45:00	8.98	100.92	-0.20	6.71	0.00	7.59	0.05
SQU-DS	2025-10-11 22:00:00	8.99	101.01	-0.21	6.71	0.00	7.62	0.05
SQU-DS	2025-10-11 22:15:00	9.00	101.08	-0.21	6.71	0.00	7.60	0.05
SQU-DS	2025-10-11 22:30:00	9.01	101.14	-0.21	6.71	0.00	7.57	0.05
SQU-DS	2025-10-11 22:45:00	9.02	101.21	-0.21	6.71	0.00	7.58	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	2025-10-11 23:00:00	9.03	101.32	-0.21	6.71	0.00	7.58	0.05
SQU-DS	2025-10-11 23:15:00	9.04	101.40	-0.22	6.71	0.00	7.57	0.05
SQU-DS	2025-10-11 23:30:00	9.05	101.54	-0.22	6.71	0.00	7.58	0.05
SQU-DS	2025-10-11 23:45:00	9.06	101.64	-0.22	6.71	0.00	7.57	0.05
SQU-DS	2025-10-12 00:00:00	9.08	101.75	-0.22	6.71	0.00	7.58	0.05
SQU-DS	2025-10-12 00:15:00	9.08	101.86	-0.22	6.71	0.00	7.58	0.05
SQU-DS	2025-10-12 00:30:00	9.09	101.96	-0.23	6.71	0.00	7.54	0.05
SQU-DS	2025-10-12 00:45:00	9.10	101.99	-0.23	6.71	0.00	7.57	0.05
SQU-DS	2025-10-12 01:00:00	9.10	102.04	-0.23	6.71	0.00	7.57	0.05
SQU-DS	2025-10-12 01:15:00	9.10	102.01	-0.23	6.71	0.00	7.58	0.05
SQU-DS	2025-10-12 01:30:00	9.10	101.94	-0.23	6.71	0.00	7.56	0.05
SQU-DS	2025-10-12 01:45:00	9.10	101.82	-0.23	6.71	0.00	7.53	0.05
SQU-DS	2025-10-12 02:00:00	9.10	101.65	-0.24	6.71	0.00	7.56	0.05
SQU-DS	2025-10-12 02:15:00	9.09	101.44	-0.24	6.71	0.00	7.59	0.05
SQU-DS	2025-10-12 02:30:00	9.09	101.16	-0.24	6.71	0.00	7.56	0.05
SQU-DS	2025-10-12 02:45:00	9.09	100.84	-0.24	6.71	0.00	7.59	0.05
SQU-DS	2025-10-12 03:00:00	9.08	100.41	-0.24	6.71	0.00	7.59	0.05
SQU-DS	2025-10-12 03:15:00	9.08	100.00	-0.24	6.72	0.00	7.59	0.05
SQU-DS	2025-10-12 03:30:00	9.08	99.56	-0.24	6.72	0.00	7.54	0.05
SQU-DS	2025-10-12 03:45:00	9.07	99.16	-0.25	6.72	0.00	7.63	0.05
SQU-DS	2025-10-12 04:00:00	9.07	98.71	-0.25	6.72	0.00	7.52	0.05
SQU-DS	2025-10-12 04:15:00	9.06	98.30	-0.25	6.72	0.00	7.58	0.05
SQU-DS	2025-10-12 04:30:00	9.06	97.87	-0.25	6.72	0.00	7.59	0.05
SQU-DS	2025-10-12 04:45:00	9.05	97.47	-0.25	6.72	0.00	7.57	0.05
SQU-DS	2025-10-12 05:00:00	9.04	97.11	-0.25	6.72	0.00	7.57	0.04
SQU-DS	2025-10-12 05:15:00	9.04	96.76	-0.25	6.72	0.00	7.56	0.04
SQU-DS	2025-10-12 05:30:00	9.03	96.46	-0.25	6.73	0.00	7.55	0.04
SQU-DS	2025-10-12 05:45:00	9.02	96.18	-0.25	6.73	0.00	7.58	0.04
SQU-DS	2025-10-12 06:00:00	9.02	95.96	-0.25	6.73	0.00	7.60	0.04
SQU-DS	2025-10-12 06:15:00	9.00	95.76	-0.25	6.73	0.00	6.08	0.04
SQU-DS	2025-10-12 06:30:00	8.99	95.58	-0.26	6.73	0.00	3.85	0.04
SQU-DS	2025-10-12 06:45:00	8.98	95.37	-0.26	6.74	0.00	3.78	0.04
SQU-DS	2025-10-12 07:00:00	8.97	95.28	-0.26	6.74	0.00	3.84	0.04
SQU-DS	2025-10-12 07:15:00	8.96	95.21	-0.26	6.74	0.00	3.81	0.04
SQU-DS	2025-10-12 07:30:00	8.95	95.17	-0.26	6.74	0.00	3.85	0.04
SQU-DS	2025-10-12 07:45:00	8.94	95.14	-0.26	6.74	0.00	3.64	0.04
SQU-DS	2025-10-12 08:00:00	8.92	95.23	-0.26	6.74	0.00	3.67	0.04
SQU-DS	2025-10-12 08:15:00	8.91	95.33	-0.26	6.74	0.00	3.50	0.04
SQU-DS	2025-10-12 08:30:00	8.89	95.47	-0.26	6.75	0.00	3.31	0.04
SQU-DS	2025-10-12 08:45:00	8.87	95.56	-0.26	6.75	0.00	3.28	0.04
SQU-DS	2025-10-12 09:00:00	8.86	95.74	-0.26	6.75	0.00	3.21	0.04
SQU-DS	2025-10-12 09:15:00	8.83	95.98	-0.26	6.76	0.00	3.02	0.04
SQU-DS	2025-10-12 09:30:00	8.81	96.26	-0.26	6.76	0.00	2.97	0.04
SQU-DS	2025-10-12 09:45:00	8.78	96.54	-0.26	6.77	0.00	2.98	0.04
SQU-DS	2025-10-12 10:00:00	8.75	96.81	-0.26	6.77	0.00	2.94	0.04
SQU-DS	2025-10-12 10:15:00	8.71	97.09	-0.26	6.77	0.00	2.83	0.04
SQU-DS	2025-10-12 10:30:00	8.68	97.38	-0.26	6.77	0.00	2.55	0.04
SQU-DS	2025-10-12 10:45:00	8.64	97.70	-0.26	6.77	0.00	2.48	0.05
SQU-DS	2025-10-12 11:00:00	8.60	98.04	-0.25	6.76	0.00	2.47	0.05
SQU-DS	2025-10-12 11:15:00	8.57	98.34	-0.25	6.75	0.00	2.47	0.05
SQU-DS	2025-10-12 11:30:00	8.54	98.64	-0.25	6.75	0.00	2.49	0.05
SQU-DS	2025-10-12 11:45:00	8.51	98.94	-0.25	6.74	0.00	2.47	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	2025-10-12 12:00:00	8.49	99.19	-0.25	6.74	0.00	2.38	0.05
SQU-DS	2025-10-12 12:15:00	8.47	99.42	-0.25	6.74	0.00	2.42	0.05
SQU-DS	2025-10-12 12:30:00	8.45	99.61	-0.25	6.73	0.00	2.44	0.05
SQU-DS	2025-10-12 12:45:00	8.43	99.79	-0.25	6.73	0.00	2.46	0.05
SQU-DS	2025-10-12 13:00:00	8.42	99.92	-0.25	6.73	0.00	2.47	0.05
SQU-DS	2025-10-12 13:15:00	8.42	100.01	-0.25	6.73	0.00	2.48	0.05
SQU-DS	2025-10-12 13:30:00	8.42	100.09	-0.25	6.73	0.00	2.45	0.05
SQU-DS	2025-10-12 13:45:00	8.42	100.17	-0.25	6.73	0.00	2.41	0.05
SQU-DS	2025-10-12 14:00:00	8.43	100.20	-0.25	6.73	0.00	2.41	0.05
SQU-DS	2025-10-12 14:15:00	8.44	100.26	-0.25	6.73	0.00	2.44	0.05
SQU-DS	2025-10-12 14:30:00	8.45	100.25	-0.25	6.73	0.00	2.42	0.05
SQU-DS	2025-10-12 14:45:00	8.46	100.25	-0.25	6.73	0.00	2.42	0.05
SQU-DS	2025-10-12 15:00:00	8.48	100.25	-0.26	6.74	0.00	2.44	0.05
SQU-DS	2025-10-12 15:15:00	8.51	100.25	-0.26	6.74	0.00	2.43	0.05
SQU-DS	2025-10-12 15:30:00	8.53	100.28	-0.26	6.74	0.00	2.45	0.05
SQU-DS	2025-10-12 15:45:00	8.55	100.22	-0.26	6.74	0.00	2.41	0.05
SQU-DS	2025-10-12 16:00:00	8.57	100.22	-0.26	6.74	0.00	2.43	0.05
SQU-DS	2025-10-12 16:15:00	8.57	100.21	-0.26	6.74	0.00	2.38	0.05
SQU-DS	2025-10-12 16:30:00	8.57	100.25	-0.27	6.74	0.00	2.41	0.05
SQU-DS	2025-10-12 16:45:00	8.57	100.30	-0.27	6.74	0.00	2.42	0.05
SQU-DS	2025-10-12 17:00:00	8.57	100.35	-0.27	6.75	0.00	2.37	0.05
SQU-DS	2025-10-12 17:15:00	8.56	100.48	-0.27	6.75	0.00	2.39	0.05
SQU-DS	2025-10-12 17:30:00	8.55	100.56	-0.27	6.75	0.00	2.37	0.05
SQU-DS	2025-10-12 17:45:00	8.53	100.65	-0.27	6.75	0.00	2.41	0.05
SQU-DS	2025-10-12 18:00:00	8.51	100.75	-0.27	6.75	0.00	2.36	0.05
SQU-DS	2025-10-12 18:15:00	8.49	100.88	-0.27	6.75	0.00	2.44	0.05
SQU-DS	2025-10-12 18:30:00	8.47	101.04	-0.27	6.76	0.00	2.42	0.05
SQU-DS	2025-10-12 18:45:00	8.45	101.16	-0.27	6.76	0.00	2.39	0.05
SQU-DS	2025-10-12 19:00:00	8.43	101.29	-0.27	6.76	0.00	2.44	0.05
SQU-DS	2025-10-12 19:15:00	8.40	101.43	-0.27	6.76	0.00	2.38	0.05
SQU-DS	2025-10-12 19:30:00	8.38	101.58	-0.27	6.76	0.00	2.38	0.05
SQU-DS	2025-10-12 19:45:00	8.36	101.73	-0.27	6.76	0.00	2.36	0.05
SQU-DS	2025-10-12 20:00:00	8.34	101.91	-0.27	6.76	0.00	2.38	0.05
SQU-DS	2025-10-12 20:15:00	8.32	102.03	-0.27	6.77	0.00	2.37	0.05
SQU-DS	2025-10-12 20:30:00	8.30	102.18	-0.27	6.77	0.00	2.38	0.05
SQU-DS	2025-10-12 20:45:00	8.27	102.36	-0.27	6.77	0.00	2.35	0.05
SQU-DS	2025-10-12 21:00:00	8.25	102.52	-0.27	6.77	0.00	2.40	0.05
SQU-DS	2025-10-12 21:15:00	8.23	102.65	-0.27	6.77	0.00	2.40	0.05
SQU-DS	2025-10-12 21:30:00	8.20	102.78	-0.27	6.77	0.00	2.38	0.05
SQU-DS	2025-10-12 21:45:00	8.19	102.91	-0.27	6.77	0.00	2.40	0.05
SQU-DS	2025-10-12 22:00:00	8.17	102.99	-0.27	6.77	0.00	2.40	0.05
SQU-DS	2025-10-12 22:15:00	8.15	103.07	-0.27	6.77	0.00	2.36	0.05
SQU-DS	2025-10-12 22:30:00	8.14	103.13	-0.27	6.77	0.00	2.41	0.05
SQU-DS	2025-10-12 22:45:00	8.13	103.21	-0.28	6.77	0.00	2.40	0.05
SQU-DS	2025-10-12 23:00:00	8.13	103.23	-0.28	6.77	0.00	2.41	0.05
SQU-DS	2025-10-12 23:15:00	8.12	103.23	-0.28	6.76	0.00	2.41	0.05
SQU-DS	2025-10-12 23:30:00	8.13	103.24	-0.28	6.76	0.00	2.38	0.05
SQU-DS	2025-10-12 23:45:00	8.13	103.21	-0.28	6.76	0.00	2.42	0.05
SQU-US	2025-10-06 00:00:00	8.27	0.00	0.09	6.79	12.09	1.03	0.00
SQU-US	2025-10-06 00:15:00	8.21	0.00	0.09	6.74	12.11	1.01	0.00
SQU-US	2025-10-06 00:30:00	8.17	0.00	0.10	6.70	12.13	1.04	0.00
SQU-US	2025-10-06 00:45:00	8.11	0.00	0.10	6.65	12.15	1.05	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	2025-10-06 01:00:00	8.04	0.00	0.10	6.56	12.17	1.05	0.00
SQU-US	2025-10-06 01:15:00	7.97	0.00	0.10	6.50	12.18	1.02	0.00
SQU-US	2025-10-06 01:30:00	7.91	0.00	0.10	6.46	12.20	1.01	0.00
SQU-US	2025-10-06 01:45:00	7.88	0.00	0.11	6.42	12.21	1.05	0.00
SQU-US	2025-10-06 02:00:00	7.85	0.00	0.11	6.40	12.21	1.01	0.00
SQU-US	2025-10-06 02:15:00	7.81	0.00	0.11	6.36	12.22	1.02	0.00
SQU-US	2025-10-06 02:30:00	7.81	0.00	0.11	6.38	12.23	1.05	0.00
SQU-US	2025-10-06 02:45:00	7.76	0.00	0.11	6.29	12.25	1.06	0.00
SQU-US	2025-10-06 03:00:00	7.71	0.00	0.11	6.29	12.28	1.04	0.00
SQU-US	2025-10-06 03:15:00	7.68	0.00	0.11	6.22	12.26	1.01	0.00
SQU-US	2025-10-06 03:30:00	7.79	0.00	0.12	6.29	12.26	1.15	0.00
SQU-US	2025-10-06 03:45:00	8.79	28.88	0.08	7.07	11.54	1.16	0.01
SQU-US	2025-10-06 04:00:00	8.76	45.51	0.07	7.10	11.53	33.25	0.02
SQU-US	2025-10-06 04:15:00	8.73	45.46	0.07	7.06	11.54	28.04	0.02
SQU-US	2025-10-06 04:30:00	8.70	45.73	0.07	7.09	11.54	31.76	0.02
SQU-US	2025-10-06 04:45:00	8.67	45.52	0.07	7.09	11.56	37.81	0.02
SQU-US	2025-10-06 05:00:00	8.62	45.95	0.07	7.10	11.56	34.23	0.02
SQU-US	2025-10-06 05:15:00	8.60	45.62	0.07	7.09	11.57	47.27	0.02
SQU-US	2025-10-06 05:30:00	8.57	46.02	0.07	7.08	11.57	35.00	0.02
SQU-US	2025-10-06 05:45:00	8.53	46.42	0.07	7.09	11.58	34.56	0.02
SQU-US	2025-10-06 06:00:00	8.49	46.91	0.07	7.09	11.58	40.16	0.02
SQU-US	2025-10-06 06:15:00	8.47	46.25	0.07	7.08	11.59	42.52	0.02
SQU-US	2025-10-06 06:30:00	8.43	46.86	0.07	7.07	11.61	36.32	0.02
SQU-US	2025-10-06 06:45:00	8.41	46.63	0.07	7.05	11.60	44.11	0.02
SQU-US	2025-10-06 07:00:00	8.37	46.42	0.07	7.04	11.62	42.10	0.02
SQU-US	2025-10-06 07:15:00	8.35	46.47	0.07	7.08	11.62	41.93	0.02
SQU-US	2025-10-06 07:30:00	8.32	46.35	0.07	7.03	11.62	52.06	0.02
SQU-US	2025-10-06 07:45:00	8.30	11.69	0.06	7.13	11.66	1.06	0.00
SQU-US	2025-10-06 08:00:00	8.18	0.00	0.06	7.19	12.12	1.17	0.00
SQU-US	2025-10-06 08:15:00	7.93	0.00	0.06	7.17	12.19	1.12	0.00
SQU-US	2025-10-06 08:30:00	7.79	0.00	0.07	7.16	12.24	1.10	0.00
SQU-US	2025-10-06 08:45:00	7.75	0.00	0.07	7.15	12.25	1.12	0.00
SQU-US	2025-10-06 09:00:00	7.75	0.00	0.07	7.15	12.27	1.10	0.00
SQU-US	2025-10-06 09:15:00	7.82	0.00	0.07	7.15	12.24	1.08	0.00
SQU-US	2025-10-06 09:30:00	7.94	0.00	0.07	7.15	12.21	1.10	0.00
SQU-US	2025-10-06 09:45:00	8.11	0.00	0.07	7.15	12.16	1.09	0.00
SQU-US	2025-10-06 10:00:00	8.32	0.00	0.08	7.11	12.09	1.06	0.00
SQU-US	2025-10-06 10:15:00	8.52	0.00	0.08	7.14	12.03	1.06	0.00
SQU-US	2025-10-06 10:30:00	8.72	0.00	0.08	7.06	11.97	1.13	0.00
SQU-US	2025-10-06 10:45:00	8.91	0.00	0.08	7.07	11.91	1.06	0.00
SQU-US	2025-10-06 11:00:00		0.00			11.86		0.00
SQU-US	2025-10-06 11:15:00	9.26	0.00	0.08	7.08	11.81	1.05	0.00
SQU-US	2025-10-06 11:30:00	9.43	0.00	0.09	7.07	11.77	1.06	0.00
SQU-US	2025-10-06 11:45:00	9.59	0.00	0.09	7.03	11.73	1.11	0.00
SQU-US	2025-10-06 12:00:00	9.68	0.00	0.09	7.00	11.67	1.09	0.00
SQU-US	2025-10-06 12:15:00	9.80	0.00	0.09	6.96	11.66	1.09	0.00
SQU-US	2025-10-06 12:30:00	9.94	0.00	0.09	6.92	11.61	1.04	0.00
SQU-US	2025-10-06 12:45:00	10.10	0.00	0.10	6.90	11.57	1.05	0.00
SQU-US	2025-10-06 13:00:00	10.21	0.00	0.10	6.87	11.54	1.11	0.00
SQU-US	2025-10-06 13:15:00	10.33	0.00	0.10	6.83	11.51	1.10	0.00
SQU-US	2025-10-06 13:30:00	10.40	0.00	0.11	6.78	11.47	1.07	0.00
SQU-US	2025-10-06 13:45:00	10.43	0.00	0.11	6.69	11.47	1.07	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	2025-10-06 14:00:00	10.47	0.00	0.11	6.64	11.46	1.02	0.00
SQU-US	2025-10-06 14:15:00	10.58	0.00	0.12	6.65	11.43	1.08	0.00
SQU-US	2025-10-06 14:30:00	10.72	0.00	0.12	6.66	11.40	1.06	0.00
SQU-US	2025-10-06 14:45:00	10.87	0.00	0.12	6.64	11.36	1.06	0.00
SQU-US	2025-10-06 15:00:00		0.00			11.31		0.00
SQU-US	2025-10-06 15:15:00	11.19	0.00	0.13	6.62	11.27	1.09	0.00
SQU-US	2025-10-06 15:30:00	10.55	0.00	0.13	6.44	11.26	1.24	0.00
SQU-US	2025-10-06 15:45:00	9.77	46.59	0.08	7.11	11.47	28.45	0.02
SQU-US	2025-10-06 16:00:00	9.75	46.88	0.08	7.08	11.48	27.21	0.02
SQU-US	2025-10-06 16:15:00	9.72	47.25	0.07	7.13	11.46	24.80	0.02
SQU-US	2025-10-06 16:30:00	9.70	47.21	0.07	7.13	11.47	27.41	0.02
SQU-US	2025-10-06 16:45:00	9.65	47.82	0.07	7.12	11.46	34.86	0.02
SQU-US	2025-10-06 17:00:00	9.60	47.67	0.07	7.13	11.46	31.26	0.02
SQU-US	2025-10-06 17:15:00	9.52	48.73	0.07	7.13	11.44	32.91	0.02
SQU-US	2025-10-06 17:30:00	9.45	49.57	0.08	7.13	11.45	23.45	0.02
SQU-US	2025-10-06 17:45:00	9.36	50.95	0.08	7.13	11.43	25.90	0.02
SQU-US	2025-10-06 18:00:00	9.26	51.08	0.08	7.12	11.43	26.87	0.02
SQU-US	2025-10-06 18:15:00	9.17	51.13	0.08	7.12	11.44	31.18	0.02
SQU-US	2025-10-06 18:30:00	9.11	52.46	0.08	7.11	11.42	26.84	0.02
SQU-US	2025-10-06 18:45:00	9.06	52.96	0.07	7.10	11.40	30.62	0.02
SQU-US	2025-10-06 19:00:00	9.01	53.61	0.07	7.10	11.40	21.45	0.02
SQU-US	2025-10-06 19:15:00	9.01	54.63	0.07	7.08	11.36	23.80	0.02
SQU-US	2025-10-06 19:30:00	9.00	55.07	0.08	7.05	11.37	27.83	0.02
SQU-US	2025-10-06 19:45:00	8.98	55.02	0.07	7.06	11.36	37.42	0.02
SQU-US	2025-10-06 20:00:00	8.99	54.84	0.07	7.06	11.35	32.55	0.02
SQU-US	2025-10-06 20:15:00	8.99	0.00	0.07	7.22	11.85	1.07	0.00
SQU-US	2025-10-06 20:30:00	9.02	0.00	0.07	7.21	11.85	1.05	0.00
SQU-US	2025-10-06 20:45:00	9.02	0.00	0.07	7.20	11.85	1.09	0.00
SQU-US	2025-10-06 21:00:00	9.01	0.00	0.07	7.19	11.85	1.07	0.00
SQU-US	2025-10-06 21:15:00	8.97	0.00	0.08	7.17	11.85	1.04	0.00
SQU-US	2025-10-06 21:30:00	8.92	0.00	0.08	7.14	11.87	1.07	0.00
SQU-US	2025-10-06 21:45:00	8.86	0.00	0.08	7.12	11.89	1.05	0.00
SQU-US	2025-10-06 22:00:00	8.80	0.00	0.08	7.10	11.91	1.07	0.00
SQU-US	2025-10-06 22:15:00	8.75	0.00	0.08	7.07	11.92	1.06	0.00
SQU-US	2025-10-06 22:30:00	8.68	0.00	0.08	7.04	11.92	1.03	0.00
SQU-US	2025-10-06 22:45:00	8.61	0.00	0.08	7.02	11.96	1.01	0.00
SQU-US	2025-10-06 23:00:00	8.56	0.00	0.09	7.00	11.97	1.00	0.00
SQU-US	2025-10-06 23:15:00	8.52	0.00	0.09	6.97	11.99	1.02	0.00
SQU-US	2025-10-06 23:30:00	8.45	0.00	0.09	6.94	12.00	1.02	0.00
SQU-US	2025-10-06 23:45:00	8.38	0.00	0.09	6.91	12.02	1.02	0.00
SQU-US	2025-10-07 00:00:00	8.33	0.00	0.10	6.89	12.03	0.99	0.00
SQU-US	2025-10-07 00:15:00	8.28	0.00	0.10	6.87	12.05	0.98	0.00
SQU-US	2025-10-07 00:30:00	8.22	0.00	0.10	6.83	12.06	1.00	0.00
SQU-US	2025-10-07 00:45:00	8.14	0.00	0.10	6.80	12.09	0.97	0.00
SQU-US	2025-10-07 01:00:00	8.10	0.00	0.11	6.77	12.10	1.00	0.00
SQU-US	2025-10-07 01:15:00	8.04	0.00	0.11	6.73	12.12	0.99	0.00
SQU-US	2025-10-07 01:30:00	8.00	0.00	0.11	6.70	12.13	1.05	0.00
SQU-US	2025-10-07 01:45:00	7.94	0.00	0.11	6.67	12.13	1.02	0.00
SQU-US	2025-10-07 02:00:00		0.00			12.15		0.00
SQU-US	2025-10-07 02:15:00	7.83	0.00	0.12	6.60	12.16	1.00	0.00
SQU-US	2025-10-07 02:30:00	7.80	0.00	0.12	6.58	12.18	1.01	0.00
SQU-US	2025-10-07 02:45:00	7.75	0.00	0.12	6.55	12.20	1.00	0.00

Squamish River								
Station	Date/Time	Temperature (C)	Specific Conductivity (µS/cm)	ORP (V)	pH (pH units)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	Salinity (PSU)
SQU-US	2025-10-07 03:00:00	7.72	0.00	0.12	6.53	12.20	1.02	0.00
SQU-US	2025-10-07 03:15:00	7.67	0.00	0.13	6.51	12.22	1.04	0.00
SQU-US	2025-10-07 03:30:00	7.65	0.00	0.13	6.49	12.23	1.01	0.00
SQU-US	2025-10-07 03:45:00	7.59	0.00	0.13	6.46	12.23	1.01	0.00
SQU-US	2025-10-07 04:00:00	7.54	0.00	0.13	6.43	12.24	1.03	0.00
SQU-US	2025-10-07 04:15:00	7.50	0.00	0.13	6.41	12.25	1.04	0.00
SQU-US	2025-10-07 04:30:00	7.47	0.00	0.13	6.38	12.27	0.99	0.00
SQU-US	2025-10-07 04:45:00	8.61	42.27	0.08	7.06	11.52	1.07	0.02
SQU-US	2025-10-07 05:00:00	8.59	46.17	0.07	7.10	11.51	38.67	0.02
SQU-US	2025-10-07 05:15:00	8.57	46.00	0.07	7.12	11.51	35.45	0.02
SQU-US	2025-10-07 05:30:00	8.54	45.88	0.07	7.12	11.52	45.28	0.02
SQU-US	2025-10-07 05:45:00	8.50	45.99	0.07	7.11	11.54	44.60	0.02
SQU-US	2025-10-07 06:00:00	8.48	46.60	0.07	7.11	11.52	38.35	0.02
SQU-US	2025-10-07 06:15:00	8.44	46.38	0.07	7.12	11.54	48.72	0.02
SQU-US	2025-10-07 06:30:00	8.41	47.08	0.07	7.12	11.53	45.31	0.02
SQU-US	2025-10-07 06:45:00	8.38	46.99	0.07	7.12	11.56	50.88	0.02
SQU-US	2025-10-07 07:00:00	8.37	47.34	0.07	7.11	11.55	41.43	0.02
SQU-US	2025-10-07 07:15:00	8.35	47.26	0.07	7.11	11.58	47.64	0.02
SQU-US	2025-10-07 07:30:00	8.35	47.35	0.07	7.11	11.58	49.80	0.02
SQU-US	2025-10-07 07:45:00	8.35	46.74	0.07	7.12	11.59	46.61	0.02
SQU-US	2025-10-07 08:00:00	8.37	46.65	0.07	7.10	11.58	50.56	0.02
SQU-US	2025-10-07 08:15:00	8.40	46.96	0.07	7.11	11.59	44.06	0.02
SQU-US	2025-10-07 08:30:00	8.43	47.08	0.07	7.04	11.58	43.17	0.02
SQU-US	2025-10-07 08:45:00	8.45	46.75	0.07	7.10	11.58	43.19	0.02
SQU-US	2025-10-07 09:00:00	8.50	46.71	0.07	7.08	11.57	42.04	0.02
SQU-US	2025-10-07 09:15:00	8.54	39.78	0.07	7.01	11.58	1.10	0.02
SQU-US	2025-10-07 09:30:00	8.59	0.00	0.07	7.19	11.84	1.20	0.00
SQU-US	2025-10-07 09:45:00	8.68	0.00	0.07	7.24	11.88	1.06	0.00
SQU-US	2025-10-07 10:00:00	8.80	0.00	0.07	7.23	11.85	1.04	0.00
SQU-US	2025-10-07 10:15:00	8.96	0.00	0.07	7.23	11.80	1.08	0.00
SQU-US	2025-10-07 10:30:00	9.15	0.00	0.07	7.22	11.74	1.06	0.00
SQU-US	2025-10-07 10:45:00	9.33	0.00	0.07	7.21	11.69	1.05	0.00
SQU-US	2025-10-07 11:00:00	9.51	0.00	0.07	7.20	11.63	1.04	0.00
SQU-US	2025-10-07 11:15:00	9.68	0.00	0.07	7.19	11.58	1.06	0.00
SQU-US	2025-10-07 11:30:00	9.86	0.00	0.08	7.18	11.53	1.05	0.00
SQU-US	2025-10-07 11:45:00	10.00	0.00	0.08	7.16	11.49	1.06	0.00
SQU-US	2025-10-07 12:00:00	10.11	0.00	0.08	7.15	11.46	1.04	0.00
SQU-US	2025-10-07 12:15:00	10.27	0.00	0.08	7.13	11.42	1.06	0.00
SQU-US	2025-10-07 12:30:00	10.40	0.00	0.08	7.11	11.38	1.00	0.00
SQU-US	2025-10-07 12:45:00	10.55	0.00	0.09	7.09	11.34	1.06	0.00
SQU-US	2025-10-07 13:00:00	10.65	0.00	0.09	7.06	11.31	1.00	0.00
SQU-US	2025-10-07 13:15:00	10.64	0.00	0.09	7.02	11.30	1.06	0.00
SQU-US	2025-10-07 13:30:00	10.66	0.00	0.10	6.98	11.29	1.02	0.00
SQU-US	2025-10-07 13:45:00	10.69	0.00	0.10	6.95	11.29	1.02	0.00
SQU-US	2025-10-07 14:00:00	9.18	47.30	0.08	7.06	11.41	39.41	0.02
SQU-US	2025-10-07 14:15:00	9.17	47.32	0.08	7.05	11.40	34.16	0.02
SQU-US	2025-10-07 14:30:00	9.16	47.67	0.08	7.07	11.39	45.78	0.02
SQU-US	2025-10-07 14:45:00	9.14	47.85	0.08	7.05	11.41	44.04	0.02
SQU-US	2025-10-07 15:00:00	9.14	48.08	0.08	7.07	11.40	32.19	0.02
SQU-US	2025-10-07 15:15:00	9.14	47.65	0.08	7.06	11.40	35.03	0.02
SQU-US	2025-10-07 15:30:00	9.15	47.38	0.08	7.09	11.41	38.36	0.02
SQU-US	2025-10-07 15:45:00	9.14	46.91	0.07	7.13	11.44	25.72	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	2025-10-07 16:00:00	9.13	46.63	0.07	7.17	11.45	25.51	0.02
SQU-US	2025-10-07 16:15:00	9.12	46.91	0.07	7.18	11.45	28.07	0.02
SQU-US	2025-10-07 16:30:00	9.13	46.90	0.07	7.18	11.45	26.57	0.02
SQU-US	2025-10-07 16:45:00	9.14	46.54	0.07	7.20	11.46	28.06	0.02
SQU-US	2025-10-07 17:00:00	9.15	46.51	0.07	7.20	11.44	24.80	0.02
SQU-US	2025-10-07 17:15:00	9.17	48.32	0.07	7.20	11.41	41.67	0.02
SQU-US	2025-10-07 17:30:00	9.18	48.77	0.07	7.19	11.39	37.05	0.02
SQU-US	2025-10-07 17:45:00	9.18	49.74	0.08	7.20	11.39	30.51	0.02
SQU-US	2025-10-07 18:00:00	9.16	50.04	0.08	7.15	11.37	25.54	0.02
SQU-US	2025-10-07 18:15:00	9.12	50.25	0.08	7.18	11.38	28.22	0.02
SQU-US	2025-10-07 18:30:00	9.09	50.44	0.08	7.19	11.38	27.82	0.02
SQU-US	2025-10-07 18:45:00	9.05	51.36	0.08	7.19	11.37	25.19	0.02
SQU-US	2025-10-07 19:00:00	9.01	52.26	0.08	7.19	11.36	27.79	0.02
SQU-US	2025-10-07 19:15:00	9.00	54.02	0.08	7.18	11.32	28.53	0.02
SQU-US	2025-10-07 19:30:00	8.98	54.72	0.08	7.15	11.26	25.23	0.02
SQU-US	2025-10-07 19:45:00	8.96	55.74	0.08	7.13	11.23	28.92	0.03
SQU-US	2025-10-07 20:00:00	8.93	55.60	0.08	7.14	11.23	22.17	0.02
SQU-US	2025-10-07 20:15:00	8.91	54.81	0.08	7.14	11.26	25.19	0.02
SQU-US	2025-10-07 20:30:00	8.90	54.71	0.08	7.12	11.26	23.33	0.02
SQU-US	2025-10-07 20:45:00	8.88	53.62	0.08	7.13	11.26	31.71	0.02
SQU-US	2025-10-07 21:00:00	8.87	52.97	0.08	7.12	11.25	38.57	0.02
SQU-US	2025-10-07 21:15:00	8.85	52.32	0.08	7.08	11.24	37.63	0.02
SQU-US	2025-10-07 21:30:00	8.84	51.17	0.08	7.02	11.23	39.40	0.02
SQU-US	2025-10-07 21:45:00	8.84	50.31	0.08	7.00	11.24	30.62	0.02
SQU-US	2025-10-07 22:00:00	8.83	49.51	0.08	7.02	11.25	29.32	0.02
SQU-US	2025-10-07 22:15:00	8.83	49.04	0.08	6.99	11.27	30.30	0.02
SQU-US	2025-10-07 22:30:00	8.85	49.26	0.08	7.02	11.28	34.11	0.02
SQU-US	2025-10-07 22:45:00	8.84	48.98	0.08	7.01	11.28	29.85	0.02
SQU-US	2025-10-07 23:00:00	8.85	49.14	0.07	7.03	11.28	24.61	0.02
SQU-US	2025-10-07 23:15:00	8.85	49.11	0.08	7.01	11.27	27.58	0.02
SQU-US	2025-10-07 23:30:00	8.85	48.94	0.08	7.04	11.28	37.95	0.02
SQU-US	2025-10-07 23:45:00	8.85	48.66	0.08	7.02	11.28	26.93	0.02
SQU-US	2025-10-08 00:00:00	8.85	49.08	0.08	7.00	11.26	24.47	0.02
SQU-US	2025-10-08 00:15:00	8.86	49.02	0.08	7.01	11.27	27.02	0.02
SQU-US	2025-10-08 00:30:00	8.85	48.75	0.08	7.00	11.29	27.56	0.02
SQU-US	2025-10-08 00:45:00	8.87	48.51	0.08	7.01	11.27	24.45	0.02
SQU-US	2025-10-08 01:00:00	8.87	48.30	0.07	7.04	11.27	25.24	0.02
SQU-US	2025-10-08 01:15:00	8.88	48.44	0.07	7.04	11.27	28.28	0.02
SQU-US	2025-10-08 01:30:00	8.90	48.11	0.08	7.03	11.27	30.00	0.02
SQU-US	2025-10-08 01:45:00	8.91	48.00	0.08	7.04	11.28	34.20	0.02
SQU-US	2025-10-08 02:00:00	8.92	48.24	0.08	7.02	11.26	29.55	0.02
SQU-US	2025-10-08 02:15:00	8.93	48.20	0.08	7.02	11.27	23.08	0.02
SQU-US	2025-10-08 02:30:00	8.94	48.12	0.08	7.04	11.27	22.35	0.02
SQU-US	2025-10-08 02:45:00	8.95	47.99	0.08	7.04	11.26	29.99	0.02
SQU-US	2025-10-08 03:00:00	8.95	47.93	0.08	7.04	11.26	24.13	0.02
SQU-US	2025-10-08 03:15:00	8.96	47.99	0.08	7.01	11.26	35.90	0.02
SQU-US	2025-10-08 03:30:00	8.96	47.82	0.08	7.04	11.26	25.92	0.02
SQU-US	2025-10-08 03:45:00	8.97	47.76	0.08	7.04	11.26	34.80	0.02
SQU-US	2025-10-08 04:00:00	8.97	47.81	0.08	7.02	11.26	37.22	0.02
SQU-US	2025-10-08 04:15:00	8.96	47.49	0.08	7.04	11.27	35.62	0.02
SQU-US	2025-10-08 04:30:00	8.95	47.48	0.08	7.06	11.27	30.50	0.02
SQU-US	2025-10-08 04:45:00	8.95	47.30	0.08	7.02	11.26	35.10	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	2025-10-08 05:00:00	8.94	47.15	0.08	7.06	11.28	32.67	0.02
SQU-US	2025-10-08 05:15:00	8.93	46.84	0.08	7.08	11.30	27.68	0.02
SQU-US	2025-10-08 05:30:00	8.91	46.43	0.08	7.12	11.34	28.18	0.02
SQU-US	2025-10-08 05:45:00	8.89	46.11	0.07	7.15	11.35	29.86	0.02
SQU-US	2025-10-08 06:00:00	8.87	45.72	0.07	7.16	11.37	26.27	0.02
SQU-US	2025-10-08 06:15:00	8.86	46.33	0.07	7.15	11.35	28.66	0.02
SQU-US	2025-10-08 06:30:00	8.85	46.52	0.07	7.17	11.36	32.14	0.02
SQU-US	2025-10-08 06:45:00	8.86	46.95	0.07	7.17	11.34	27.04	0.02
SQU-US	2025-10-08 07:00:00	8.85	47.69	0.08	7.17	11.34	26.77	0.02
SQU-US	2025-10-08 07:15:00	8.86	48.45	0.08	7.17	11.33	33.25	0.02
SQU-US	2025-10-08 07:30:00	8.86	49.27	0.08	7.17	11.31	31.32	0.02
SQU-US	2025-10-08 07:45:00	8.84	48.64	0.08	7.16	11.33	27.04	0.02
SQU-US	2025-10-08 08:00:00	8.84	49.43	0.08	7.17	11.33	28.08	0.02
SQU-US	2025-10-08 08:15:00	8.84	50.42	0.08	7.16	11.31	31.67	0.02
SQU-US	2025-10-08 08:30:00	8.84	50.12	0.08	7.17	11.31	30.59	0.02
SQU-US	2025-10-08 08:45:00	8.84	49.59	0.08	7.16	11.32	29.37	0.02
SQU-US	2025-10-08 09:00:00	8.84	49.16	0.08	7.17	11.33	31.03	0.02
SQU-US	2025-10-08 09:15:00	8.87	49.97	0.08	7.15	11.30	30.14	0.02
SQU-US	2025-10-08 09:30:00	8.88	50.17	0.08	7.16	11.29	29.97	0.02
SQU-US	2025-10-08 09:45:00	8.89	49.84	0.08	7.15	11.30	30.59	0.02
SQU-US	2025-10-08 10:00:00	8.90	49.85	0.08	7.15	11.29	32.85	0.02
SQU-US	2025-10-08 10:15:00	8.91	49.51	0.08	7.13	11.30	30.31	0.02
SQU-US	2025-10-08 10:30:00	8.92	49.64	0.08	7.09	11.26	31.28	0.02
SQU-US	2025-10-08 10:45:00	8.93	49.15	0.08	7.08	11.25	35.63	0.02
SQU-US	2025-10-08 11:00:00	8.94	48.57	0.08	7.03	11.26	39.31	0.02
SQU-US	2025-10-08 11:15:00	8.97	48.28	0.08	7.00	11.25	29.82	0.02
SQU-US	2025-10-08 11:30:00	8.99	47.91	0.08	6.99	11.24	31.32	0.02
SQU-US	2025-10-08 11:45:00	9.02	47.72	0.08	7.03	11.27	34.88	0.02
SQU-US	2025-10-08 12:00:00	9.04	47.45	0.08	7.02	11.27	27.56	0.02
SQU-US	2025-10-08 12:15:00	9.06	47.42	0.08	7.03	11.29	43.96	0.02
SQU-US	2025-10-08 12:30:00	9.10	47.53	0.08	7.00	11.28	38.85	0.02
SQU-US	2025-10-08 12:45:00	9.13	47.33	0.08	7.03	11.29	34.56	0.02
SQU-US	2025-10-08 13:00:00	9.16	47.69	0.08	7.00	11.27	45.46	0.02
SQU-US	2025-10-08 13:15:00	9.19	47.58	0.08	7.05	11.29	29.76	0.02
SQU-US	2025-10-08 13:30:00	9.23	47.75	0.08	7.06	11.28	26.20	0.02
SQU-US	2025-10-08 13:45:00	9.27	47.34	0.08	7.01	11.27	30.92	0.02
SQU-US	2025-10-08 14:00:00	9.34	47.80	0.08	7.04	11.27	34.47	0.02
SQU-US	2025-10-08 14:15:00	9.38	47.59	0.08	7.08	11.28	43.04	0.02
SQU-US	2025-10-08 14:30:00	9.45	47.99	0.08	7.05	11.25	21.37	0.02
SQU-US	2025-10-08 14:45:00	9.48	48.06	0.08	7.05	11.23	37.54	0.02
SQU-US	2025-10-08 15:00:00	9.51	48.03	0.08	7.07	11.25	26.77	0.02
SQU-US	2025-10-08 15:15:00	9.54	47.92	0.08	7.06	11.23	24.57	0.02
SQU-US	2025-10-08 15:30:00	9.56	47.82	0.08	7.09	11.24	27.74	0.02
SQU-US	2025-10-08 15:45:00	9.56	47.66	0.08	7.12	11.25	30.31	0.02
SQU-US	2025-10-08 16:00:00	9.54	47.58	0.08	7.11	11.25	23.85	0.02
SQU-US	2025-10-08 16:15:00	9.52	47.45	0.08	7.14	11.27	26.66	0.02
SQU-US	2025-10-08 16:30:00	9.49	46.94	0.08	7.18	11.30	28.25	0.02
SQU-US	2025-10-08 16:45:00	9.46	46.82	0.08	7.18	11.29	23.01	0.02
SQU-US	2025-10-08 17:00:00	9.43	46.55	0.08	7.19	11.32	24.14	0.02
SQU-US	2025-10-08 17:15:00	9.41	46.77	0.08	7.19	11.31	29.65	0.02
SQU-US	2025-10-08 17:30:00	9.41	47.49	0.08	7.20	11.29	26.31	0.02
SQU-US	2025-10-08 17:45:00	9.40	47.45	0.08	7.20	11.30	26.17	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	2025-10-08 18:00:00	9.38	48.37	0.08	7.18	11.27	27.73	0.02
SQU-US	2025-10-08 18:15:00	9.36	49.41	0.09	7.20	11.28	23.68	0.02
SQU-US	2025-10-08 18:30:00	9.34	50.94	0.09	7.18	11.25	30.36	0.02
SQU-US	2025-10-08 18:45:00	9.31	50.61	0.09	7.19	11.25	24.56	0.02
SQU-US	2025-10-08 19:00:00		51.07			11.27		0.02
SQU-US	2025-10-08 19:15:00	9.24	52.43	0.09	7.20	11.27	23.11	0.02
SQU-US	2025-10-08 19:30:00	9.23	54.04	0.09	7.20	11.25	38.73	0.02
SQU-US	2025-10-08 19:45:00	9.24	55.25	0.09	7.19	11.22	24.00	0.02
SQU-US	2025-10-08 20:00:00	9.21	55.79	0.09	7.16	11.20	25.00	0.03
SQU-US	2025-10-08 20:15:00	9.24	57.23	0.09	7.15	11.15	20.95	0.03
SQU-US	2025-10-08 20:30:00	9.23	56.60	0.09	7.16	11.15	25.18	0.03
SQU-US	2025-10-08 20:45:00	9.21	55.40	0.09	7.15	11.17	22.82	0.02
SQU-US	2025-10-08 21:00:00	9.21	55.48	0.09	7.14	11.16	25.72	0.02
SQU-US	2025-10-08 21:15:00	9.20	54.54	0.09	7.13	11.14	25.56	0.02
SQU-US	2025-10-08 21:30:00	9.17	53.12	0.09	7.09	11.14	28.58	0.02
SQU-US	2025-10-08 21:45:00	9.15	52.26	0.09	7.07	11.14	28.01	0.02
SQU-US	2025-10-08 22:00:00	9.12	51.19	0.09	7.04	11.17	31.77	0.02
SQU-US	2025-10-08 22:15:00	9.10	50.67	0.09	7.00	11.18	51.10	0.02
SQU-US	2025-10-08 22:30:00	9.08	50.68	0.08	7.03	11.17	31.02	0.02
SQU-US	2025-10-08 22:45:00	9.07	50.18	0.08	7.03	11.19	23.26	0.02
SQU-US	2025-10-08 23:00:00	9.07	50.64	0.08	6.98	11.16	20.32	0.02
SQU-US	2025-10-08 23:15:00	9.06	49.81	0.08	7.03	11.21	25.18	0.02
SQU-US	2025-10-08 23:30:00	9.06	50.03	0.08	7.00	11.19	25.51	0.02
SQU-US	2025-10-08 23:45:00	9.05	50.04	0.08	7.03	11.19	33.48	0.02
SQU-US	2025-10-09 00:00:00	9.05	49.90	0.08	7.05	11.22	19.59	0.02
SQU-US	2025-10-09 00:15:00	9.04	49.59	0.08	7.04	11.21	1.98	0.02
SQU-US	2025-10-09 00:30:00	9.02	49.43	0.08	7.07	11.23	20.26	0.02
SQU-US	2025-10-09 00:45:00	9.01	49.60	0.08	7.06	11.23	31.15	0.02
SQU-US	2025-10-09 01:00:00	8.98	49.32	0.08	7.05	11.22	24.39	0.02
SQU-US	2025-10-09 01:15:00	8.97	49.71	0.08	7.04	11.21	19.26	0.02
SQU-US	2025-10-09 01:30:00	8.96	49.56	0.08	7.04	11.24	21.96	0.02
SQU-US	2025-10-09 01:45:00	8.95	49.56	0.08	7.01	11.21	102.57	0.02
SQU-US	2025-10-09 02:00:00	8.93	49.45	0.09	7.01	11.26	0.59	0.02
SQU-US	2025-10-09 02:15:00	8.91	49.30	0.08	7.07	11.29	28.21	0.02
SQU-US	2025-10-09 02:30:00	8.90	48.85	0.08	7.08	11.27	152.07	0.02
SQU-US	2025-10-09 02:45:00	8.89	44.85	0.08	7.11	11.27	73.87	0.02
SQU-US	2025-10-09 03:00:00	8.87	49.37	0.08	7.11	11.29	25.95	0.02
SQU-US	2025-10-09 03:15:00	8.87	49.21	0.08	7.06	11.29	42.01	0.02
SQU-US	2025-10-09 03:30:00	8.87	46.13	0.08	7.18	11.29	0.58	0.02
SQU-US	2025-10-09 03:45:00	8.87	40.68	0.08	7.17	11.29	0.57	0.02
SQU-US	2025-10-09 04:00:00	8.87	44.70	0.08	7.19	11.30	25.58	0.02
SQU-US	2025-10-09 04:15:00	8.88	35.40	0.08	7.27	11.31	0.56	0.02
SQU-US	2025-10-09 04:30:00	8.87	44.32	0.08	7.28	11.28	0.57	0.02
SQU-US	2025-10-09 04:45:00	8.87	33.22	0.07	7.31	11.28	0.60	0.01
SQU-US	2025-10-09 05:00:00	8.87	14.74	0.07	7.25	11.24	0.53	0.01
SQU-US	2025-10-09 05:15:00	8.87	37.83	0.07	7.25	11.24	0.57	0.02
SQU-US	2025-10-09 05:30:00	8.86	39.81	0.07	7.26	11.30	0.56	0.02
SQU-US	2025-10-09 05:45:00	8.86	49.20	0.07	7.13	11.31	24.02	0.02
SQU-US	2025-10-09 06:00:00	8.85	48.79	0.07	7.13	11.31	32.03	0.02
SQU-US	2025-10-09 06:15:00	8.83	48.72	0.07	7.12	11.32	19.69	0.02
SQU-US	2025-10-09 06:30:00	8.81	48.36	0.08	7.15	11.33	22.50	0.02
SQU-US	2025-10-09 06:45:00	8.79	47.98	0.07	7.18	11.37	21.10	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	2025-10-09 07:00:00	8.77	47.85	0.07	7.19	11.30	22.53	0.02
SQU-US	2025-10-09 07:15:00	8.75	48.11	0.07	7.20	11.28	21.21	0.02
SQU-US	2025-10-09 07:30:00	8.73	49.21	0.08	7.19	11.37	19.80	0.02
SQU-US	2025-10-09 07:45:00	8.74	49.22	0.08	7.19	11.34	20.06	0.02
SQU-US	2025-10-09 08:00:00	8.73	48.55	0.08	7.19	11.39	30.48	0.02
SQU-US	2025-10-09 08:15:00	8.72	50.00	0.08	7.19	11.35	19.38	0.02
SQU-US	2025-10-09 08:30:00	8.70	51.38	0.08	7.19	11.30	24.49	0.02
SQU-US	2025-10-09 08:45:00	8.69	51.87	0.08	7.19	11.22	19.51	0.02
SQU-US	2025-10-09 09:00:00	8.69	50.51	0.08	7.20	11.27	22.87	0.02
SQU-US	2025-10-09 09:15:00	8.68	53.27	0.08	7.19	11.30	19.42	0.02
SQU-US	2025-10-09 09:30:00	8.69	53.08	0.08	7.18	11.27	22.84	0.02
SQU-US	2025-10-09 09:45:00	8.68	53.19	0.08	7.18	11.22	23.68	0.02
SQU-US	2025-10-09 10:00:00	8.67	51.43	0.08	7.19	11.19	24.14	0.02
SQU-US	2025-10-09 10:15:00	8.68	52.04	0.08	7.18	11.20	27.22	0.02
SQU-US	2025-10-09 10:30:00	8.67	51.99	0.08	7.18	11.22	23.97	0.02
SQU-US	2025-10-09 10:45:00	8.70	52.93	0.08	7.18	11.32	22.90	0.02
SQU-US	2025-10-09 11:00:00	8.73	53.04	0.09	7.16	11.26	26.75	0.02
SQU-US	2025-10-09 11:15:00	8.73	52.68	0.08	7.16	11.32	27.25	0.02
SQU-US	2025-10-09 11:30:00	8.78	52.41	0.09	7.13	11.27	24.58	0.02
SQU-US	2025-10-09 11:45:00	8.79	51.32	0.08	7.13	11.28	28.31	0.02
SQU-US	2025-10-09 12:00:00	8.81	51.02	0.08	7.09	11.28	30.06	0.02
SQU-US	2025-10-09 12:15:00	8.84	50.95	0.08	7.08	11.30	20.38	0.02
SQU-US	2025-10-09 12:30:00	8.87	50.83	0.09	7.07	11.35	32.54	0.02
SQU-US	2025-10-09 12:45:00	8.89	50.50	0.09	7.05	11.36	1.98	0.02
SQU-US	2025-10-09 13:00:00	8.92	49.24	0.08	7.09	11.36	0.57	0.02
SQU-US	2025-10-09 13:15:00	8.99	4.76	0.08	7.32	11.35	0.57	0.00
SQU-US	2025-10-09 13:30:00	9.11	4.37	0.08	7.28	10.97	0.51	0.00
SQU-US	2025-10-09 13:45:00	9.25	0.00	0.08	7.28	11.11	0.88	0.00
SQU-US	2025-10-09 14:00:00	9.35	11.15	0.09	7.18	11.47	0.95	0.00
SQU-US	2025-10-09 14:15:00	9.54	0.00	0.09	7.19	11.59	0.88	0.00
SQU-US	2025-10-09 14:30:00	9.72	0.00	0.09	7.20	11.56	0.92	0.00
SQU-US	2025-10-09 14:45:00	9.89	0.00	0.09	7.22	11.51	0.89	0.00
SQU-US	2025-10-09 15:00:00	9.84	17.80	0.09	7.17	11.42	0.89	0.01
SQU-US	2025-10-09 15:15:00	9.62	50.62	0.08	7.28	11.28	0.60	0.02
SQU-US	2025-10-09 15:30:00	9.61	51.14	0.08	7.12	11.30	25.30	0.02
SQU-US	2025-10-09 15:45:00	9.65	51.49	0.08	7.11	11.26	23.44	0.02
SQU-US	2025-10-09 16:00:00	9.69	51.86	0.08	7.10	11.26	18.03	0.02
SQU-US	2025-10-09 16:15:00	9.72	51.97	0.09	7.11	11.24	25.14	0.02
SQU-US	2025-10-09 16:30:00	9.70	51.63	0.09	7.16	11.27	15.01	0.02
SQU-US	2025-10-09 16:45:00	9.65	51.43	0.09	7.17	11.27	17.75	0.02
SQU-US	2025-10-09 17:00:00	9.60	51.60	0.08	7.20	11.29	20.77	0.02
SQU-US	2025-10-09 17:15:00	9.54	51.43	0.09	7.22	11.30	20.39	0.02
SQU-US	2025-10-09 17:30:00	9.48	51.25	0.08	7.21	11.31	17.83	0.02
SQU-US	2025-10-09 17:45:00	9.41	51.07	0.08	7.21	11.32	22.99	0.02
SQU-US	2025-10-09 18:00:00	9.36	51.93	0.08	7.21	11.32	16.67	0.02
SQU-US	2025-10-09 18:15:00	9.33	51.97	0.08	7.21	11.31	15.74	0.02
SQU-US	2025-10-09 18:30:00	9.28	51.97	0.08	7.21	11.32	14.29	0.02
SQU-US	2025-10-09 18:45:00	9.26	53.54	0.08	7.21	11.31	15.80	0.02
SQU-US	2025-10-09 19:00:00	9.22	54.27	0.09	7.20	11.29	13.97	0.02
SQU-US	2025-10-09 19:15:00	9.17	55.15	0.09	7.21	11.30	15.38	0.02
SQU-US	2025-10-09 19:30:00	9.13	55.77	0.09	7.21	11.30	17.50	0.03
SQU-US	2025-10-09 19:45:00	9.11	57.91	0.09	7.20	11.27	13.02	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	2025-10-09 20:00:00	9.06	57.74	0.09	7.20	11.28	16.08	0.03
SQU-US	2025-10-09 20:15:00	9.03	59.03	0.09	7.19	11.26	13.95	0.03
SQU-US	2025-10-09 20:30:00	9.06	62.56	0.09	7.16	11.19	17.73	0.03
SQU-US	2025-10-09 20:45:00	9.15	66.74	0.10	7.14	11.09	15.33	0.03
SQU-US	2025-10-09 21:00:00		65.61			11.02		0.03
SQU-US	2025-10-09 21:15:00	9.11	64.18	0.10	7.12	11.09	17.43	0.03
SQU-US	2025-10-09 21:30:00	9.09	62.73	0.10	7.11	11.06	15.80	0.03
SQU-US	2025-10-09 21:45:00	9.06	61.32	0.10	7.05	11.05	17.14	0.03
SQU-US	2025-10-09 22:00:00	9.03	0.00	0.10	7.18	11.77	0.93	0.00
SQU-US	2025-10-09 22:15:00	9.05	0.00	0.09	7.23	11.76	0.76	0.00
SQU-US	2025-10-09 22:30:00	9.08	0.00	0.09	7.26	11.76	0.61	0.00
SQU-US	2025-10-09 22:45:00	9.08	0.00	0.09	7.27	11.75	0.57	0.00
SQU-US	2025-10-09 23:00:00	9.08	0.00	0.09	7.25	11.75	0.58	0.00
SQU-US	2025-10-09 23:15:00	9.10	0.00	0.09	7.23	11.76	0.59	0.00
SQU-US	2025-10-09 23:30:00	9.11	0.00	0.09	7.21	11.75	0.60	0.00
SQU-US	2025-10-09 23:45:00	9.10	0.00	0.10	7.20	11.75	0.57	0.00
SQU-US	2025-10-10 00:00:00	9.06	0.00	0.10	7.18	11.74	0.58	0.00
SQU-US	2025-10-10 00:15:00	9.02	0.00	0.10	7.16	11.77	0.64	0.00
SQU-US	2025-10-10 00:30:00	9.00	0.00	0.10	7.15	11.76	0.64	0.00
SQU-US	2025-10-10 00:45:00	8.95	0.00	0.10	7.13	11.78	0.68	0.00
SQU-US	2025-10-10 01:00:00	8.92	0.00	0.10	7.12	11.78	0.69	0.00
SQU-US	2025-10-10 01:15:00	8.86	0.00	0.10	7.10	11.80	0.71	0.00
SQU-US	2025-10-10 01:30:00	8.82	0.00	0.11	7.08	11.81	0.74	0.00
SQU-US	2025-10-10 01:45:00	8.79	0.00	0.11	7.07	11.82	0.77	0.00
SQU-US	2025-10-10 02:00:00	8.76	0.00	0.11	7.05	11.82	0.75	0.00
SQU-US	2025-10-10 02:15:00	8.71	0.00	0.11	7.03	11.83	0.75	0.00
SQU-US	2025-10-10 02:30:00	8.68	0.00	0.11	7.01	11.84	0.81	0.00
SQU-US	2025-10-10 02:45:00	8.65	0.00	0.11	7.00	11.85	0.77	0.00
SQU-US	2025-10-10 03:00:00	8.66	0.00	0.11	6.99	11.84	0.79	0.00
SQU-US	2025-10-10 03:15:00	8.68	0.00	0.12	6.97	11.84	0.75	0.00
SQU-US	2025-10-10 03:30:00	8.69	0.00	0.12	6.96	11.82	0.80	0.00
SQU-US	2025-10-10 03:45:00	8.71	0.00	0.12	6.94	11.82	0.80	0.00
SQU-US	2025-10-10 04:00:00	8.73	0.00	0.12	6.93	11.80	0.86	0.00
SQU-US	2025-10-10 04:15:00	8.77	0.00	0.12	6.92	11.79	0.79	0.00
SQU-US	2025-10-10 04:30:00	8.78	0.00	0.12	6.90	11.78	0.83	0.00
SQU-US	2025-10-10 04:45:00	8.80	0.00	0.12	6.89	11.78	0.82	0.00
SQU-US	2025-10-10 05:00:00	8.82	0.00	0.12	6.88	11.77	0.88	0.00
SQU-US	2025-10-10 05:15:00	8.83	0.00	0.12	6.87	11.76	0.91	0.00
SQU-US	2025-10-10 05:30:00	8.81	0.00	0.13	6.85	11.76	0.90	0.00
SQU-US	2025-10-10 05:45:00	8.80	0.00	0.13	6.84	11.76	0.92	0.00
SQU-US	2025-10-10 06:00:00	8.81	0.00	0.13	6.82	11.76	0.94	0.00
SQU-US	2025-10-10 06:15:00	8.84	0.00	0.13	6.81	11.76	0.95	0.00
SQU-US	2025-10-10 06:30:00	8.88	0.00	0.13	6.79	11.75	0.98	0.00
SQU-US	2025-10-10 06:45:00	8.89	0.00	0.13	6.78	11.75	1.16	0.00
SQU-US	2025-10-10 07:00:00	8.59	52.93	0.10	7.11	11.27	23.14	0.02
SQU-US	2025-10-10 07:15:00	8.55	52.01	0.09	7.17	11.33	22.07	0.02
SQU-US	2025-10-10 07:30:00	8.52	51.43	0.10	7.20	11.36	20.36	0.02
SQU-US	2025-10-10 07:45:00	8.51	52.82	0.08	7.19	11.35	20.13	0.02
SQU-US	2025-10-10 08:00:00	8.49	52.06	0.08	7.19	11.34	19.70	0.02
SQU-US	2025-10-10 08:15:00	8.49	51.24	0.08	7.19	11.35	22.89	0.02
SQU-US	2025-10-10 08:30:00	8.50	50.78	0.09	7.18	11.36	23.08	0.02
SQU-US	2025-10-10 08:45:00	8.48	52.24	0.09	7.19	11.38	26.61	0.02

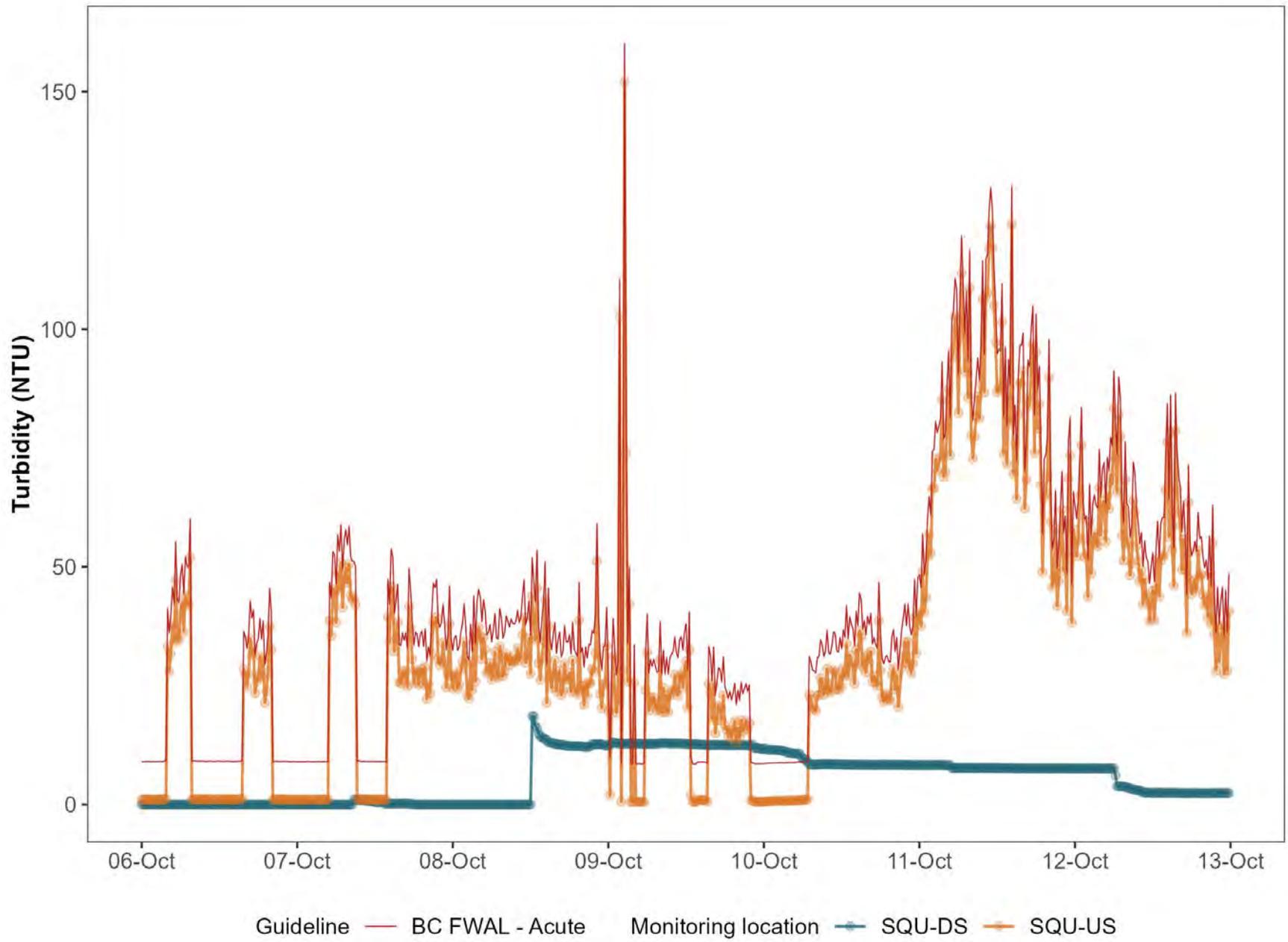
Squamish River								
Station	Date/Time	Temperature (C)	Specific Conductivity (µS/cm)	ORP (V)	pH (pH units)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	Salinity (PSU)
SQU-US	2025-10-10 09:00:00	8.49	53.84	0.09	7.18	11.33	25.62	0.02
SQU-US	2025-10-10 09:15:00	8.51	52.92	0.09	7.20	11.33	23.09	0.02
SQU-US	2025-10-10 09:30:00	8.54	53.16	0.08	7.21	11.36	24.20	0.02
SQU-US	2025-10-10 09:45:00	8.59	54.92	0.08	7.21	11.35	28.59	0.02
SQU-US	2025-10-10 10:00:00	8.64	57.62	0.09	7.20	11.34	23.98	0.03
SQU-US	2025-10-10 10:15:00	8.67	57.44	0.10	7.19	11.28	23.63	0.03
SQU-US	2025-10-10 10:30:00	8.67	55.32	0.09	7.20	11.33	25.40	0.02
SQU-US	2025-10-10 10:45:00	8.69	55.60	0.09	7.20	11.34	28.31	0.02
SQU-US	2025-10-10 11:00:00	8.72	57.05	0.09	7.20	11.32	27.97	0.03
SQU-US	2025-10-10 11:15:00	8.79	60.41	0.09	7.18	11.25	24.30	0.03
SQU-US	2025-10-10 11:30:00	8.79	58.57	0.09	7.18	11.27	24.07	0.03
SQU-US	2025-10-10 11:45:00	8.80	58.53	0.09	7.18	11.25	27.14	0.03
SQU-US	2025-10-10 12:00:00	8.74	54.66	0.10	7.12	11.34	24.82	0.02
SQU-US	2025-10-10 12:15:00	8.74	55.19	0.09	7.17	11.35	28.73	0.02
SQU-US	2025-10-10 12:30:00	8.77	57.73	0.09	7.17	11.26	27.17	0.03
SQU-US	2025-10-10 12:45:00	8.76	56.88	0.09	7.16	11.25	33.86	0.03
SQU-US	2025-10-10 13:00:00	8.73	53.49	0.09	7.17	11.33	26.99	0.02
SQU-US	2025-10-10 13:15:00	8.80	53.67	0.09	7.15	11.32	31.52	0.02
SQU-US	2025-10-10 13:30:00	8.82	52.21	0.09	7.16	11.34	29.90	0.02
SQU-US	2025-10-10 13:45:00	8.86	53.06	0.09	7.14	11.32	29.00	0.02
SQU-US	2025-10-10 14:00:00	8.85	52.50	0.09	7.13	11.32	25.41	0.02
SQU-US	2025-10-10 14:15:00	8.83	51.48	0.09	7.12	11.32	32.63	0.02
SQU-US	2025-10-10 14:30:00	8.82	51.56	0.09	7.08	11.31	29.61	0.02
SQU-US	2025-10-10 14:45:00	8.79	50.94	0.09	7.08	11.32	36.49	0.02
SQU-US	2025-10-10 15:00:00	8.78	50.85	0.09	7.07	11.32	35.29	0.02
SQU-US	2025-10-10 15:15:00	8.77	50.59	0.09	7.07	11.33	28.86	0.02
SQU-US	2025-10-10 15:30:00	8.78	50.55	0.09	7.09	11.34	30.67	0.02
SQU-US	2025-10-10 15:45:00	8.78	50.28	0.09	7.10	11.35	27.75	0.02
SQU-US	2025-10-10 16:00:00	8.78	50.10	0.09	7.14	11.37	31.61	0.02
SQU-US	2025-10-10 16:15:00	8.78	50.08	0.09	7.14	11.38	29.88	0.02
SQU-US	2025-10-10 16:30:00	8.78	50.19	0.09	7.16	11.39	32.16	0.02
SQU-US	2025-10-10 16:45:00	8.80	50.47	0.10	7.19	11.37	25.80	0.02
SQU-US	2025-10-10 17:00:00	8.80	50.57	0.09	7.20	11.36	27.08	0.02
SQU-US	2025-10-10 17:15:00	8.82	50.60	0.09	7.21	11.38	25.61	0.02
SQU-US	2025-10-10 17:30:00	8.83	50.52	0.09	7.22	11.39	24.88	0.02
SQU-US	2025-10-10 17:45:00	8.85	51.11	0.09	7.22	11.39	38.69	0.02
SQU-US	2025-10-10 18:00:00	8.85	50.87	0.09	7.22	11.39	28.17	0.02
SQU-US	2025-10-10 18:15:00	8.85	50.83	0.09	7.22	11.39	22.62	0.02
SQU-US	2025-10-10 18:30:00	8.86	51.47	0.09	7.22	11.37	21.55	0.02
SQU-US	2025-10-10 18:45:00	8.86	51.98	0.09	7.21	11.36	22.94	0.02
SQU-US	2025-10-10 19:00:00	8.85	52.08	0.09	7.22	11.37	23.32	0.02
SQU-US	2025-10-10 19:15:00	8.85	53.61	0.09	7.22	11.37	22.13	0.02
SQU-US	2025-10-10 19:30:00	8.83	54.11	0.10	7.22	11.35	21.94	0.02
SQU-US	2025-10-10 19:45:00	8.83	55.10	0.10	7.22	11.33	27.34	0.02
SQU-US	2025-10-10 20:00:00	8.81	55.58	0.10	7.22	11.30	28.74	0.02
SQU-US	2025-10-10 20:15:00	8.80	55.84	0.10	7.22	11.30	24.16	0.03
SQU-US	2025-10-10 20:30:00	8.81	57.02	0.10	7.20	11.28	27.14	0.03
SQU-US	2025-10-10 20:45:00	8.81	57.48	0.10	7.20	11.28	20.53	0.03
SQU-US	2025-10-10 21:00:00		57.77			11.27		0.03
SQU-US	2025-10-10 21:15:00	8.85	58.03	0.10	7.20	11.28	28.60	0.03
SQU-US	2025-10-10 21:30:00	8.85	58.29	0.10	7.18	11.26	31.17	0.03
SQU-US	2025-10-10 21:45:00	8.88	57.86	0.10	7.19	11.28	34.13	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	2025-10-10 22:00:00	8.87	56.19	0.10	7.20	11.23	29.67	0.03
SQU-US	2025-10-10 22:15:00	8.88	55.75	0.10	7.20	11.30	34.20	0.03
SQU-US	2025-10-10 22:30:00	8.88	54.71	0.10	7.18	11.31	29.46	0.02
SQU-US	2025-10-10 22:45:00	8.88	53.66	0.09	7.17	11.31	27.65	0.02
SQU-US	2025-10-10 23:00:00	8.87	52.43	0.09	7.15	11.33	29.62	0.02
SQU-US	2025-10-10 23:15:00	8.85	51.60	0.09	7.14	11.34	39.36	0.02
SQU-US	2025-10-10 23:30:00	8.83	50.89	0.09	7.16	11.35	31.78	0.02
SQU-US	2025-10-10 23:45:00	8.83	50.52	0.09	7.14	11.36	39.78	0.02
SQU-US	2025-10-11 00:00:00	8.83	50.23	0.09	7.15	11.36	40.36	0.02
SQU-US	2025-10-11 00:15:00	8.82	50.03	0.09	7.17	11.40	37.57	0.02
SQU-US	2025-10-11 00:30:00	8.82	50.04	0.09	7.17	11.39	48.93	0.02
SQU-US	2025-10-11 00:45:00	8.82	49.99	0.09	7.19	11.41	40.44	0.02
SQU-US	2025-10-11 01:00:00	8.82	49.51	0.10	7.17	11.40	43.47	0.02
SQU-US	2025-10-11 01:15:00	8.82	49.17	0.10	7.19	11.40	52.12	0.02
SQU-US	2025-10-11 01:30:00	8.82	49.14	0.09	7.18	11.41	56.84	0.02
SQU-US	2025-10-11 01:45:00	8.83	49.03	0.10	7.14	11.40	52.90	0.02
SQU-US	2025-10-11 02:00:00	8.83	48.44	0.09	7.18	11.41	66.42	0.02
SQU-US	2025-10-11 02:15:00	8.83	48.33	0.10	7.19	11.41	66.62	0.02
SQU-US	2025-10-11 02:30:00	8.83	47.62	0.10	7.19	11.41	72.62	0.02
SQU-US	2025-10-11 02:45:00	8.82	47.65	0.10	7.18	11.41	70.28	0.02
SQU-US	2025-10-11 03:00:00		47.25			11.42		0.02
SQU-US	2025-10-11 03:15:00	8.82	47.37	0.09	7.18	11.42	73.13	0.02
SQU-US	2025-10-11 03:30:00	8.81	46.62	0.09	7.17	11.44	85.16	0.02
SQU-US	2025-10-11 03:45:00	8.80	46.37	0.10	7.17	11.44	68.93	0.02
SQU-US	2025-10-11 04:00:00	8.79	46.21	0.10	7.19	11.43	69.98	0.02
SQU-US	2025-10-11 04:15:00	8.78	46.22	0.10	7.16	11.44	79.67	0.02
SQU-US	2025-10-11 04:30:00	8.77	46.07	0.11	7.19	11.44	87.34	0.02
SQU-US	2025-10-11 04:45:00	8.75	45.67	0.10	7.14	11.47	73.48	0.02
SQU-US	2025-10-11 05:00:00	8.74	45.43	0.10	7.20	11.47	93.97	0.02
SQU-US	2025-10-11 05:15:00	8.74	45.34	0.10	7.19	11.48	95.79	0.02
SQU-US	2025-10-11 05:30:00	8.72	44.96	0.10	7.20	11.50	102.79	0.02
SQU-US	2025-10-11 05:45:00	8.71	44.80	0.10	7.18	11.51	100.30	0.02
SQU-US	2025-10-11 06:00:00	8.69	44.81	0.10	7.19	11.51	82.39	0.02
SQU-US	2025-10-11 06:15:00	8.69	44.50	0.09	7.22	11.51	98.28	0.02
SQU-US	2025-10-11 06:30:00	8.68	44.03	0.10	7.21	11.52	111.80	0.02
SQU-US	2025-10-11 06:45:00	8.67	44.18	0.10	7.20	11.50	101.33	0.02
SQU-US	2025-10-11 07:00:00	8.65	43.70	0.10	7.22	11.53	91.14	0.02
SQU-US	2025-10-11 07:15:00	8.65	43.47	0.10	7.18	11.52	100.01	0.02
SQU-US	2025-10-11 07:30:00	8.64	43.21	0.10	7.21	11.54	85.58	0.02
SQU-US	2025-10-11 07:45:00	8.63	43.22	0.10	7.19	11.52	108.68	0.02
SQU-US	2025-10-11 08:00:00	8.61	42.77	0.10	7.22	11.50	77.67	0.02
SQU-US	2025-10-11 08:15:00	8.60	42.57	0.09	7.25	11.50	72.85	0.02
SQU-US	2025-10-11 08:30:00	8.59	42.60	0.10	7.25	11.54	77.41	0.02
SQU-US	2025-10-11 08:45:00	8.59	42.94	0.10	7.24	11.55	81.62	0.02
SQU-US	2025-10-11 09:00:00	8.57	42.63	0.10	7.20	11.44	85.95	0.02
SQU-US	2025-10-11 09:15:00	8.57	42.51	0.10	7.25	11.46	81.26	0.02
SQU-US	2025-10-11 09:30:00	8.57	42.31	0.10	7.25	11.48	88.19	0.02
SQU-US	2025-10-11 09:45:00	8.57	42.49	0.10	7.23	11.39	106.32	0.02
SQU-US	2025-10-11 10:00:00	8.57	42.82	0.10	7.22	10.65	86.76	0.02
SQU-US	2025-10-11 10:15:00	8.57	43.18	0.10	7.23	11.22	106.77	0.02
SQU-US	2025-10-11 10:30:00	8.57	42.65	0.10	7.26	10.93	107.67	0.02
SQU-US	2025-10-11 10:45:00	8.58	42.83	0.11	7.25	10.69	116.92	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	2025-10-11 11:00:00	8.60	42.98	0.11	7.26	10.36	121.76	0.02
SQU-US	2025-10-11 11:15:00	8.63	43.16	0.10	7.26	10.19	117.12	0.02
SQU-US	2025-10-11 11:30:00	8.69	44.02	0.11	7.26	9.97	104.97	0.02
SQU-US	2025-10-11 11:45:00	8.74	45.10	0.10	7.25	9.77	97.34	0.02
SQU-US	2025-10-11 12:00:00	8.75	44.34	0.11	7.26	9.54	86.84	0.02
SQU-US	2025-10-11 12:15:00	8.79	45.43	0.11	7.26	9.37	87.89	0.02
SQU-US	2025-10-11 12:30:00	8.82	45.41	0.11	7.25	9.00	87.39	0.02
SQU-US	2025-10-11 12:45:00	8.86	45.79	0.11	7.24	8.50	101.55	0.02
SQU-US	2025-10-11 13:00:00	8.90	45.78	0.11	7.23	8.28	73.64	0.02
SQU-US	2025-10-11 13:15:00	8.95	46.24	0.11	7.22	8.03	88.25	0.02
SQU-US	2025-10-11 13:30:00	8.99	45.19	0.11	7.23	7.80	71.63	0.02
SQU-US	2025-10-11 13:45:00	9.00	45.25	0.11	7.22	7.50	85.60	0.02
SQU-US	2025-10-11 14:00:00	8.98	45.02	0.11	7.23	7.27	80.21	0.02
SQU-US	2025-10-11 14:15:00	8.99	44.93	0.11	7.23	7.07	122.10	0.02
SQU-US	2025-10-11 14:30:00	9.03	44.58	0.11	7.23	6.94	69.62	0.02
SQU-US	2025-10-11 14:45:00	9.09	44.04	0.11	7.24	6.78	76.11	0.02
SQU-US	2025-10-11 15:00:00	9.14	45.41	0.11	7.22	6.61	64.37	0.02
SQU-US	2025-10-11 15:15:00	9.14	44.63	0.11	7.22	6.44	81.95	0.02
SQU-US	2025-10-11 15:30:00	9.14	43.78	0.11	7.22	6.29	88.65	0.02
SQU-US	2025-10-11 15:45:00	9.13	43.28	0.11	7.24	6.15	88.56	0.02
SQU-US	2025-10-11 16:00:00	9.10	43.75	0.11	7.22	6.01	91.18	0.02
SQU-US	2025-10-11 16:15:00	9.10	43.35	0.11	7.22	5.92	62.26	0.02
SQU-US	2025-10-11 16:30:00	9.10	43.44	0.11	7.23	5.82	68.31	0.02
SQU-US	2025-10-11 16:45:00	9.07	43.37	0.11	7.23	5.75	85.45	0.02
SQU-US	2025-10-11 17:00:00	9.02	43.20	0.11	7.24	5.68	84.11	0.02
SQU-US	2025-10-11 17:15:00	9.00	42.70	0.11	7.23	5.63	92.12	0.02
SQU-US	2025-10-11 17:30:00	8.99	43.05	0.11	7.23	5.56	96.88	0.02
SQU-US	2025-10-11 17:45:00	8.97	42.86	0.11	7.23	5.53	73.98	0.02
SQU-US	2025-10-11 18:00:00	8.95	42.81	0.11	7.23	5.48	95.16	0.02
SQU-US	2025-10-11 18:15:00	8.92	42.64	0.11	7.24	5.44	79.13	0.02
SQU-US	2025-10-11 18:30:00	8.91	43.11	0.11	7.23	5.39	84.28	0.02
SQU-US	2025-10-11 18:45:00	8.89	43.05	0.11	7.22	5.34	67.23	0.02
SQU-US	2025-10-11 19:00:00	8.87	43.17	0.11	7.23	5.28	48.87	0.02
SQU-US	2025-10-11 19:15:00	8.86	42.87	0.11	7.24	5.23	64.66	0.02
SQU-US	2025-10-11 19:30:00	8.84	43.22	0.11	7.24	5.19	65.62	0.02
SQU-US	2025-10-11 19:45:00	8.83	43.35	0.11	7.24	5.13	69.23	0.02
SQU-US	2025-10-11 20:00:00	8.84	44.33	0.11	7.24	5.08	89.77	0.02
SQU-US	2025-10-11 20:15:00	8.84	44.24	0.11	7.24	5.03	59.43	0.02
SQU-US	2025-10-11 20:30:00	8.84	45.35	0.11	7.23	4.99	45.68	0.02
SQU-US	2025-10-11 20:45:00	8.83	45.63	0.11	7.23	4.94	47.89	0.02
SQU-US	2025-10-11 21:00:00	8.83	46.97	0.11	7.22	4.90	58.10	0.02
SQU-US	2025-10-11 21:15:00	8.84	46.60	0.11	7.21	4.87	41.71	0.02
SQU-US	2025-10-11 21:30:00	8.86	47.57	0.11	7.22	4.82	47.04	0.02
SQU-US	2025-10-11 21:45:00	8.89	48.12	0.11	7.22	4.78	54.37	0.02
SQU-US	2025-10-11 22:00:00	8.89	47.61	0.11	7.23	4.73	62.05	0.02
SQU-US	2025-10-11 22:15:00	8.91	48.59	0.11	7.21	4.68	49.15	0.02
SQU-US	2025-10-11 22:30:00	8.92	48.41	0.11	7.19	4.64	52.73	0.02
SQU-US	2025-10-11 22:45:00	8.93	48.15	0.11	7.19	4.58	40.66	0.02
SQU-US	2025-10-11 23:00:00	8.93	47.36	0.11	7.19	4.54	68.59	0.02
SQU-US	2025-10-11 23:15:00	8.93	46.80	0.11	7.18	4.50	73.43	0.02
SQU-US	2025-10-11 23:30:00	8.93	47.02	0.11	7.13	4.47	38.34	0.02
SQU-US	2025-10-11 23:45:00	8.93	46.03	0.11	7.13	4.42	57.88	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	2025-10-12 00:00:00	8.92	45.42	0.11	7.11	4.45	54.90	0.02
SQU-US	2025-10-12 00:15:00	8.91	45.15	0.11	7.11	4.45	52.17	0.02
SQU-US	2025-10-12 00:30:00	8.90	45.04	0.10	7.12	4.47	56.28	0.02
SQU-US	2025-10-12 00:45:00	8.89	45.03	0.10	7.11	4.48	65.09	0.02
SQU-US	2025-10-12 01:00:00	8.87	44.76	0.10	7.11	4.48	75.58	0.02
SQU-US	2025-10-12 01:15:00	8.86	44.61	0.10	7.11	4.47	55.69	0.02
SQU-US	2025-10-12 01:30:00	8.85	44.44	0.10	7.10	4.41	51.92	0.02
SQU-US	2025-10-12 01:45:00	8.83	44.39	0.10	7.10	4.37	52.77	0.02
SQU-US	2025-10-12 02:00:00	8.82	44.43	0.10	7.10	4.33	43.76	0.02
SQU-US	2025-10-12 02:15:00	8.80	44.64	0.10	7.09	4.31	59.41	0.02
SQU-US	2025-10-12 02:30:00	8.80	44.41	0.10	7.09	4.31	48.62	0.02
SQU-US	2025-10-12 02:45:00	8.79	44.15	0.10	7.09	4.30	55.28	0.02
SQU-US	2025-10-12 03:00:00	8.78	44.18	0.10	7.08	4.29	57.12	0.02
SQU-US	2025-10-12 03:15:00	8.77	43.72	0.10	7.08	4.29	54.85	0.02
SQU-US	2025-10-12 03:30:00	8.76	44.00	0.11	7.07	4.30	54.36	0.02
SQU-US	2025-10-12 03:45:00	8.75	43.63	0.11	7.07	4.30	66.71	0.02
SQU-US	2025-10-12 04:00:00	8.74	43.47	0.11	7.06	4.31	56.80	0.02
SQU-US	2025-10-12 04:15:00	8.73	43.56	0.11	7.05	4.31	62.73	0.02
SQU-US	2025-10-12 04:30:00	8.72	43.61	0.11	7.05	4.31	63.89	0.02
SQU-US	2025-10-12 04:45:00	8.70	44.04	0.11	7.05	4.31	55.30	0.02
SQU-US	2025-10-12 05:00:00	8.69	44.26	0.11	7.04	4.30	65.06	0.02
SQU-US	2025-10-12 05:15:00	8.67	44.35	0.11	7.05	4.28	62.25	0.02
SQU-US	2025-10-12 05:30:00	8.66	44.50	0.11	7.05	4.26	69.33	0.02
SQU-US	2025-10-12 05:45:00	8.64	44.42	0.11	7.07	4.26	67.48	0.02
SQU-US	2025-10-12 06:00:00	8.61	44.47	0.11	7.07	4.27	83.31	0.02
SQU-US	2025-10-12 06:15:00	8.59	44.28	0.11	7.06	4.27	72.67	0.02
SQU-US	2025-10-12 06:30:00	8.56	44.18	0.11	7.07	4.25	65.71	0.02
SQU-US	2025-10-12 06:45:00	8.54	44.31	0.11	7.06	4.24	81.94	0.02
SQU-US	2025-10-12 07:00:00	8.52	44.28	0.11	7.06	4.23	77.48	0.02
SQU-US	2025-10-12 07:15:00	8.49	44.86	0.11	7.06	4.24	56.51	0.02
SQU-US	2025-10-12 07:30:00	8.46	44.49	0.11	7.07	4.22	51.27	0.02
SQU-US	2025-10-12 07:45:00	8.43	44.70	0.11	7.07	4.22	68.38	0.02
SQU-US	2025-10-12 08:00:00	8.40	44.51	0.11	7.08	4.23	55.26	0.02
SQU-US	2025-10-12 08:15:00	8.37	44.79	0.11	7.08	4.25	54.69	0.02
SQU-US	2025-10-12 08:30:00	8.35	44.78	0.11	7.07	4.27	48.23	0.02
SQU-US	2025-10-12 08:45:00	8.32	44.48	0.11	7.09	4.29	50.66	0.02
SQU-US	2025-10-12 09:00:00	8.30	44.23	0.11	7.11	4.31	64.01	0.02
SQU-US	2025-10-12 09:15:00	8.29	43.98	0.11	7.15	4.32	61.64	0.02
SQU-US	2025-10-12 09:30:00	8.28	43.85	0.11	7.19	4.37	54.41	0.02
SQU-US	2025-10-12 09:45:00	8.27	43.95	0.11	7.20	4.40	51.37	0.02
SQU-US	2025-10-12 10:00:00	8.27	44.99	0.11	7.20	4.40	46.93	0.02
SQU-US	2025-10-12 10:15:00	8.26	44.66	0.11	7.21	4.40	49.28	0.02
SQU-US	2025-10-12 10:30:00	8.26	44.96	0.11	7.21	4.39	42.07	0.02
SQU-US	2025-10-12 10:45:00	8.27	45.21	0.11	7.20	4.37	47.45	0.02
SQU-US	2025-10-12 11:00:00	8.27	45.69	0.11	7.20	4.36	43.88	0.02
SQU-US	2025-10-12 11:15:00	8.27	46.63	0.11	7.21	4.34	43.14	0.02
SQU-US	2025-10-12 11:30:00	8.27	46.79	0.11	7.21	4.34	38.54	0.02
SQU-US	2025-10-12 11:45:00	8.26	47.11	0.11	7.22	4.33	42.03	0.02
SQU-US	2025-10-12 12:00:00	8.24	47.78	0.11	7.23	4.31	44.97	0.02
SQU-US	2025-10-12 12:15:00	8.24	49.14	0.11	7.23	4.29	38.84	0.02
SQU-US	2025-10-12 12:30:00	8.23	49.00	0.11	7.24	4.26	45.44	0.02
SQU-US	2025-10-12 12:45:00	8.25	50.02	0.11	7.23	4.24	51.64	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	2025-10-12 13:00:00	8.28	50.81	0.11	7.22	4.21	43.80	0.02
SQU-US	2025-10-12 13:15:00	8.30	50.73	0.11	7.22	4.18	51.22	0.02
SQU-US	2025-10-12 13:30:00	8.33	50.83	0.11	7.22	4.15	52.42	0.02
SQU-US	2025-10-12 13:45:00	8.34	50.98	0.11	7.23	4.13	52.37	0.02
SQU-US	2025-10-12 14:00:00	8.35	51.43	0.11	7.23	4.10	66.16	0.02
SQU-US	2025-10-12 14:15:00	8.35	49.80	0.11	7.24	4.09	76.33	0.02
SQU-US	2025-10-12 14:30:00	8.41	50.99	0.11	7.24	4.08	56.29	0.02
SQU-US	2025-10-12 14:45:00	8.46	49.46	0.11	7.26	4.10	78.15	0.02
SQU-US	2025-10-12 15:00:00	8.50	49.24	0.11	7.24	4.07	53.71	0.02
SQU-US	2025-10-12 15:15:00	8.52	49.02	0.11	7.24	4.05	46.03	0.02
SQU-US	2025-10-12 15:30:00	8.50	48.03	0.11	7.24	4.05	78.64	0.02
SQU-US	2025-10-12 15:45:00	8.46	47.39	0.11	7.25	4.04	66.31	0.02
SQU-US	2025-10-12 16:00:00	8.39	47.22	0.11	7.24	4.04	61.24	0.02
SQU-US	2025-10-12 16:15:00	8.35	47.10	0.11	7.25	4.02	58.71	0.02
SQU-US	2025-10-12 16:30:00	8.29	46.90	0.11	7.25	4.02	49.40	0.02
SQU-US	2025-10-12 16:45:00	8.24	46.66	0.11	7.25	4.01	55.81	0.02
SQU-US	2025-10-12 17:00:00	8.18	46.85	0.11	7.24	4.01	49.31	0.02
SQU-US	2025-10-12 17:15:00	8.10	46.75	0.11	7.24	3.96	36.12	0.02
SQU-US	2025-10-12 17:30:00	8.01	46.56	0.11	7.24	3.92	63.54	0.02
SQU-US	2025-10-12 17:45:00	7.95	46.71	0.11	7.24	3.90	47.15	0.02
SQU-US	2025-10-12 18:00:00	7.89	46.53	0.11	7.24	3.92	44.38	0.02
SQU-US	2025-10-12 18:15:00	7.84	46.65	0.11	7.24	3.94	45.53	0.02
SQU-US	2025-10-12 18:30:00	7.78	46.39	0.11	7.25	3.94	47.31	0.02
SQU-US	2025-10-12 18:45:00	7.74	46.46	0.11	7.24	3.91	45.23	0.02
SQU-US	2025-10-12 19:00:00	7.70	46.46	0.11	7.24	3.80	53.43	0.02
SQU-US	2025-10-12 19:15:00	7.67	46.78	0.11	7.24	3.65	47.95	0.02
SQU-US	2025-10-12 19:30:00	7.64	46.52	0.11	7.24	3.50	48.39	0.02
SQU-US	2025-10-12 19:45:00	7.61	47.07	0.11	7.24	3.35	44.03	0.02
SQU-US	2025-10-12 20:00:00	7.58	47.05	0.11	7.25	3.21	41.81	0.02
SQU-US	2025-10-12 20:15:00	7.55	46.77	0.11	7.25	3.05	43.44	0.02
SQU-US	2025-10-12 20:30:00	7.54	46.75	0.11	7.24	2.91	39.37	0.02
SQU-US	2025-10-12 20:45:00	7.51	47.20	0.11	7.24	2.78	48.54	0.02
SQU-US	2025-10-12 21:00:00	7.50	47.71	0.11	7.24	2.66	38.02	0.02
SQU-US	2025-10-12 21:15:00	7.47	47.61	0.11	7.24	2.56	54.97	0.02
SQU-US	2025-10-12 21:30:00	7.46	47.39	0.11	7.24	2.42	35.81	0.02
SQU-US	2025-10-12 21:45:00	7.43	47.63	0.11	7.24	2.31	28.14	0.02
SQU-US	2025-10-12 22:00:00	7.40	47.86	0.11	7.24	2.20	37.71	0.02
SQU-US	2025-10-12 22:15:00	7.39	48.02	0.11	7.23	2.10	29.93	0.02
SQU-US	2025-10-12 22:30:00	7.36	48.10	0.11	7.22	1.99	34.85	0.02
SQU-US	2025-10-12 22:45:00	7.34	47.80	0.11	7.22	1.90	37.72	0.02
SQU-US	2025-10-12 23:00:00	7.31	48.14	0.11	7.21	1.82	27.50	0.02
SQU-US	2025-10-12 23:15:00	7.30	48.46	0.11	7.19	1.76	37.10	0.02
SQU-US	2025-10-12 23:30:00	7.28	47.95	0.11	7.16	1.69	28.14	0.02
SQU-US	2025-10-12 23:45:00	7.26	48.25	0.11	7.12	1.66	40.58	0.02



 Eagle Mountain - Woodfibre Gas Pipeline Project Waste Discharge Permit PE-110163 Report	Reporting Week	Oct 6 th to Oct 12 th , 2025
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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 6 th to Oct 12 th , 2025
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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 2025-10-07 09:22:00
In situ Parameters								
Field pH	pH Units	6.5 - 9	6.5 - 9			7 - 8.7		6.78
Field Temperature	°C	18	19					11.9
General Parameters								
pH	pH Units							7.14
Alkalinity (Total as CaCO ₃)	mg/L							48
Alkalinity (PP as CaCO ₃)	mg/L							<1
Hardness (CaCO ₃)-Total	mg/L							57.5
Hardness (CaCO ₃)-Dissolved	mg/L							57.9
Sulphide-Total	mg/L							<0.0018
Sulphide (as H ₂ S)	mg/L			0.002				<0.002
Anions and Nutrients								
Ammonia (N)-Total	mg/L	1.81	22.5		20	131		<0.015
Bicarbonate (HCO ₃)	mg/L							58
Carbonate (CO ₃)	mg/L							<1
Hydroxide (OH)	mg/L							<1
Nitrate (N)	mg/L	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							0.139
Phosphorus (P)-Total (4500-P)	mg/L							0.0036
Bromide (Br)	mg/L							<0.01
Chloride (Cl)	mg/L	150	600					17
Fluoride (F)	mg/L		1.112			1.5		0.2
Sulphate (SO ₄)-Dissolved	mg/L	218						12
Total Metals								
Aluminum (Al)-Total	mg/L	0.040953						0.124
Antimony (Sb)-Total	mg/L	0.074	0.25					0.000725
Arsenic (As)-Total	mg/L	0.005			0.0125			0.00125
Barium (Ba)-Total	mg/L			1				0.0107
Beryllium (Be)-Total	mg/L			0.00013			0.1	<0.00001
Bismuth (Bi)-Total	mg/L							<0.000005
Boron (B)-Total	mg/L	1.2			1.2			0.015
Cadmium (Cd)-Total	mg/L						0.00012	0.0000108
Calcium (Ca)-Total	mg/L							21.4
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							0.0000455
Copper (Cu)-Total	mg/L				0.002	0.003		0.000485



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 2025-10-07 09:22:00
Organics (Cont'd.)								
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						0.00053
trans-1,2-dichloroethene	mg/L							<0.001
trans-1,3-dichloropropene	mg/L							<0.001
Trichloroethene	mg/L							<0.0005
Trichlorofluoromethane	mg/L							<0.004
Vinyl chloride	mg/L							<0.0005
VPH (VH6 to 10 - BTEX)	mg/L							<0.3
Xylenes (Total)	mg/L	0.03						<0.0004
m & p-Xylene	mg/L							<0.0004
o-Xylene	mg/L							<0.0004
Phenols	mg/L		0.05					<0.0015
Rainbow Trout								
LC50	% vol/vol							>100%

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

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

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

 Eagle Mountain - Woodfibre Gas Pipeline Project Waste Discharge Permit PE-110163 Report	Reporting Week	Oct 6 th to Oct 12 th , 2025
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Woodfibre Site WTP Discharge Field Notes and Logs



Eagle Mountain- Woodfibre Gas Pipeline Project- Tunnel Scope

Title	WoodFibre Weekly Water Discharge Report	Revision:	0
Data Date Range	October 06,2025 to October 12, 2025	Prepared by: Approved by: Date:	SD BC2 October 28, 2025

Table of Contents:

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

Appendices:

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

1. Executive Summary and Field Notes:

The discharged water consistently remained within regulatory guidelines. The key parameters, including temperature, 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 06 was 659,068 m³. 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

Date	Location	Volume (m3)	Comments
October 06	Woodfibre (WF)	2,777	Exceeded discharge volume limit
October 07	WF	2,854	Exceeded discharge volume limit
October 08	WF	2,316	Exceeded discharge volume limit
October 09	WF	2,470	Exceeded discharge volume limit
October 10	WF	2,572	Exceeded discharge volume limit
October 11	WF	2,472	Exceeded discharge volume limit
October 12	WF	2,409	Exceeded discharge volume limit
Total		17,870	None

Title	WoodFibre Weekly Water Discharge Report	Revision:	0
Data Date Range	October 06,2025 to October 12, 2025	Prepared by: Approved by: Date:	SD BC2 October 28, 2025

2. Discharge Parameter Summary:

Table 2: Discharge Parameter Summary

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
10/6/2025	0:00:00	7.1	2.263	4.9	659,068	12.6	315
10/6/2025	0:15:00	7	2.612	4.4	659,101	12.6	312
10/6/2025	0:30:00	7	2.661	4.7	659,128	12.5	312
10/6/2025	0:45:00	7.1	2.816	7.6	659,144	12.6	312
10/6/2025	1:00:00	7.1	2.195	3.3	659,182	12.6	315
10/6/2025	1:15:00	7.1	2.653	2.5	659,220	12.6	315
10/6/2025	1:30:00	7	2.676	2.4	659,242	12.7	315
10/6/2025	1:45:00	7	2.714	1.8	659,276	13.2	313
10/6/2025	2:00:00	6.9	2.324	6.6	659,306	13.6	316
10/6/2025	3:00:00	6.4	2.263	3.4	659,405	13.6	308
10/6/2025	3:15:00	6.7	2.702	3.1	659,444	13.2	305
10/6/2025	3:30:00	6.8	2.725	3.6	659,465	13.2	309
10/6/2025	3:45:00	6.8	2.718	2.5	659,502	13.3	307
10/6/2025	4:00:00	6.9	2.320	4	659,516	13.1	307
10/6/2025	4:15:00	6.9	2.267	2.5	659,555	13.1	307
10/6/2025	4:30:00	6.8	2.702	1.7	659,592	13.4	303
10/6/2025	5:00:00	6.3	2.256	2.4	659,644	13.9	300
10/6/2025	5:15:00	6	2.691	1.5	659,683	13.7	301
10/6/2025	5:30:00	5.9	2.714	3.7	659,706	14	303
10/6/2025	6:15:00	6.2	2.279	2.2	659,787	14.8	307
10/6/2025	6:45:00	6.6	2.680	4	659,841	13.6	303



Eagle Mountain- Woodfibre Gas Pipeline Project- Tunnel Scope

Title	WoodFibre Weekly Water Discharge Report	Revision:	0
Data Date Range	October 06,2025 to October 12, 2025	Prepared by: Approved by: Date:	SD BC2 October 28, 2025

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
10/6/2025	7:00:00	6.6	2.222	3.5	659,878	13.1	304
10/6/2025	7:30:00	6.8	2.672	1.4	659,936	12.7	301
10/6/2025	7:45:00	6.8	2.665	1.5	659,973	12.6	300
10/6/2025	8:15:00	6.8	2.222	3.8	660,034	12.4	299
10/6/2025	8:30:00	6.9	2.661	3.1	660,071	12.4	299
10/6/2025	8:45:00	6.9	2.653	4.3	660,107	12.4	299
10/6/2025	9:00:00	6.9	2.207	4.6	660,129	12.5	299
10/6/2025	9:15:00	6.9	2.650	4.8	660,167	12.5	297
10/6/2025	9:45:00	6.9	2.653	5.9	660,224	12.7	296
10/6/2025	10:00:00	6.9	2.229	8.1	660,262	12.8	296
10/6/2025	10:15:00	6.9	2.207	10.7	660,285	12.8	296
10/6/2025	10:30:00	6.9	2.668	8.8	660,302	13.1	295
10/6/2025	10:45:00	6.9	2.668	12.2	660,323	13.2	300
10/6/2025	11:15:00	6.9	2.657	8.8	660,388	12.9	298
10/6/2025	11:30:00	7	2.646	10.2	660,424	12.9	298
10/6/2025	11:45:00	7	2.668	10.7	660,445	13.1	298
10/6/2025	12:00:00	7	2.245	3.1	660,480	13	298
10/6/2025	12:15:00	7	2.195	3.4	660,517	13	298
10/6/2025	12:30:00	7	2.646	2.7	660,550	13	299
10/6/2025	13:15:00	7	2.653	3.9	660,646	13.2	301
10/6/2025	13:30:00	7	2.653	3.9	660,682	13.2	303
10/6/2025	14:00:00	7	2.252	6.8	660,735	13.4	303
10/6/2025	14:15:00	7	2.188	5	660,768	13.4	303
10/6/2025	14:30:00	7	2.646	4.6	660,798	13.3	300
10/6/2025	15:15:00	7	2.638	5.8	660,860	13.3	299



Eagle Mountain- Woodfibre Gas Pipeline Project- Tunnel Scope

Title	WoodFibre Weekly Water Discharge Report	Revision:	0
Data Date Range	October 06,2025 to October 12, 2025	Prepared by: Approved by: Date:	SD BC2 October 28, 2025

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
10/6/2025	15:30:00	7	2.646	7.4	660,883	13.3	296
10/6/2025	15:45:00	7	2.650	8.4	660,904	13.2	293
10/6/2025	16:00:00	7	2.252	9.4	660,941	13.1	296
10/6/2025	16:15:00	7	2.188	11.7	660,979	13.2	298
10/6/2025	16:30:00	7	2.646	11.5	661,015	13.3	301
10/6/2025	16:45:00	7	2.665	14.8	661,032	13.5	306
10/6/2025	17:00:00	7	2.226	15.2	661,069	13.4	306
10/6/2025	17:30:00	7	2.627	4.5	661,108	13.5	303
10/6/2025	17:45:00	7	2.661	4.5	661,145	13.1	301
10/6/2025	18:00:00	7	2.245	5.9	661,181	13.1	301
10/6/2025	18:15:00	7.1	2.188	8	661,219	13	299
10/6/2025	18:30:00	7.1	2.570	7.6	661,222	13.1	299
10/6/2025	18:45:00	7	2.642	4.6	661,258	12.9	299
10/6/2025	19:15:00	7.1	2.245	5.1	661,319	12.9	299
10/6/2025	19:30:00	7.1	2.631	5.3	661,355	12.9	299
10/6/2025	19:45:00	7.1	2.657	5.9	661,377	12.9	298
10/6/2025	20:00:00	7	2.411	10.3	661,414	12.8	298
10/6/2025	20:15:00	7	2.184	11.7	661,451	12.7	298
10/6/2025	20:45:00	7	2.650	8.7	661,491	12.6	297
10/6/2025	21:00:00	7	1.749	10	661,525	12.6	300
10/6/2025	21:15:00	7.1	2.207	2.1	661,562	12.6	303
10/6/2025	21:30:00	7.1	2.597	2.4	661,598	12.7	305
10/6/2025	21:45:00	7.1	2.320	2.6	661,621	12.9	305
10/6/2025	22:00:00	7.1	2.210	3.1	661,659	12.7	303
10/6/2025	22:15:00	7.1	2.142	3	661,696	12.7	303



Eagle Mountain- Woodfibre Gas Pipeline Project- Tunnel Scope

Title	WoodFibre Weekly Water Discharge Report	Revision:	0
Data Date Range	October 06,2025 to October 12, 2025	Prepared by: Approved by: Date:	SD BC2 October 28, 2025

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
10/6/2025	22:30:00	7.1	2.612	2.6	661,720	12.7	303
10/6/2025	23:00:00	7.1	2.146	2.6	661,760	12.7	305
10/6/2025	23:30:00	7	2.623	1.7	661,809	12.6	302
10/6/2025	23:45:00	7	2.650	1.7	661,845	12.7	302
10/7/2025	0:15:00	7	2.086	1.9	661,903	12.9	300
10/7/2025	0:30:00	6.9	2.551	1.6	661,938	13	300
10/7/2025	1:00:00	6.7	2.093	2.1	661,993	13.4	299
10/7/2025	1:30:00	6.4	2.551	1	662,042	13.5	302
10/7/2025	1:45:00	6.3	2.547	1.1	662,076	13.5	301
10/7/2025	2:00:00	6.3	2.131	1.8	662,112	13.5	300
10/7/2025	2:15:00	6.1	2.074	2.7	662,130	13.6	298
10/7/2025	2:45:00	6	2.540	1.9	662,177	13.6	300
10/7/2025	3:00:00	6	2.082	2.2	662,212	13.6	300
10/7/2025	3:15:00	5.9	2.131	37	662,249	13.5	298
10/7/2025	3:30:00	5.9	2.547	1.1	662,284	13.5	297
10/7/2025	3:45:00	5.9	2.562	1.8	662,299	14	299
10/7/2025	4:00:00	5.9	2.142	2.5	662,335	13.6	302
10/7/2025	4:15:00	5.9	2.214	2.8	662,364	13.6	304
10/7/2025	4:30:00	6	2.634	2.5	662,400	13.5	303
10/7/2025	5:15:00	6.2	2.434	65.1	662,471	13.3	303
10/7/2025	5:30:00	6.2	2.631	1.1	662,507	13.3	302
10/7/2025	5:45:00	6.2	2.438	1.6	662,524	14.1	303
10/7/2025	6:15:00	6.2	2.222	1.6	662,585	13.4	302
10/7/2025	6:30:00	6	2.623	1.1	662,622	13.4	300
10/7/2025	6:45:00	5.9	2.619	1.7	662,657	13.3	302



Eagle Mountain- Woodfibre Gas Pipeline Project- Tunnel Scope

Title	WoodFibre Weekly Water Discharge Report	Revision:	0
Data Date Range	October 06,2025 to October 12, 2025	Prepared by: Approved by: Date:	SD BC2 October 28, 2025

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
10/7/2025	7:00:00	6	2.165	1.8	662,693	13.4	302
10/7/2025	7:15:00	6.1	2.483	15.5	662,732	13.2	301
10/7/2025	7:30:00	6.3	2.638	4.1	662,753	13.3	299
10/7/2025	7:45:00	6.4	2.634	2.1	662,789	13	297
10/7/2025	8:00:00	6.4	2.218	2	662,825	12.9	296
10/7/2025	8:15:00	6.5	2.165	1.7	662,863	12.9	294
10/7/2025	8:30:00	6.6	2.638	1.2	662,881	12.9	296
10/7/2025	8:45:00	6.6	2.615	0.8	662,917	12.8	294
10/7/2025	9:00:00	6.5	2.017	1	662,936	13	296
10/7/2025	9:15:00	6.5	2.733	1.2	662,969	12.9	294
10/7/2025	9:30:00	6.5	2.604	1.2	663,008	13	294
10/7/2025	9:45:00	6.5	2.710	2.6	663,048	13.1	298
10/7/2025	10:00:00	6.4	2.612	2.2	663,071	13.2	299
10/7/2025	10:15:00	6.5	2.600	2	663,110	13.1	299
10/7/2025	10:30:00	6.6	2.585	2.2	663,148	13.1	297
10/7/2025	11:15:00	6.6	2.150	4.6	663,227	13.2	297
10/7/2025	11:30:00	6.7	2.604	3	663,248	13.2	300
10/7/2025	12:00:00	6.7	2.612	2.7	663,306	13.1	297
10/7/2025	12:15:00	6.7	2.593	2.4	663,344	13.1	297
10/7/2025	12:30:00	6.7	2.146	10.7	663,383	13	296
10/7/2025	12:45:00	6.7	2.581	3	663,412	13	294
10/7/2025	13:00:00	6.7	2.578	3.1	663,450	13	296
10/7/2025	13:15:00	6.7	1.628	3.6	663,467	13.1	296
10/7/2025	13:30:00	6.7	2.581	3.4	663,504	13	297
10/7/2025	14:00:00	6.7	2.593	5.9	663,550	13.6	296



Eagle Mountain- Woodfibre Gas Pipeline Project- Tunnel Scope

Title	WoodFibre Weekly Water Discharge Report	Revision:	0
Data Date Range	October 06,2025 to October 12, 2025	Prepared by: Approved by: Date:	SD BC2 October 28, 2025

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
10/7/2025	15:00:00	6.8	2.665	5.4	663,644	13	289
10/7/2025	15:15:00	6.8	2.638	7	663,684	13	289
10/7/2025	15:30:00	6.8	1.389	18.7	663,716	13.3	291
10/7/2025	15:45:00	6.8	2.589	10	663,746	13	289
10/7/2025	16:00:00	6.8	2.631	4.6	663,776	13.1	287
10/7/2025	16:30:00	6.9	2.195	5.3	663,830	13	287
10/7/2025	16:45:00	6.8	2.642	4.3	663,849	13	287
10/7/2025	17:15:00	6.8	2.653	14.6	663,904	12.9	285
10/7/2025	17:30:00	6.8	2.297	8.1	663,942	12.8	285
10/7/2025	17:45:00	6.9	2.672	6.6	663,980	12.8	287
10/7/2025	18:00:00	6.9	2.687	9.9	664,003	12.9	288
10/7/2025	18:15:00	6.9	2.256	13.8	664,038	12.8	287
10/7/2025	18:45:00	6.9	2.668	9	664,069	13.4	286
10/7/2025	19:00:00	6.9	2.672	6.1	664,105	12.7	285
10/7/2025	19:30:00	6.9	1.836	10.4	664,156	12.7	283
10/7/2025	19:45:00	6.9	2.566	12.8	664,192	12.6	282
10/7/2025	20:00:00	7.3	1.927	7.4	664,215	12.7	279
10/7/2025	20:15:00	6.9	2.581	5.6	664,250	12.4	281
10/7/2025	20:30:00	7	0.291	8.9	664,282	12.4	281
10/7/2025	20:45:00	7	2.574	9.6	664,314	12.3	281
10/7/2025	21:00:00	6.9	2.585	4.8	664,349	12.7	281
10/7/2025	21:15:00	6.9	2.581	5.1	664,384	12.8	284
10/7/2025	21:30:00	6.9	2.154	6.3	664,421	12.9	284
10/7/2025	21:45:00	6.9	2.585	5.1	664,458	12.4	288
10/7/2025	22:00:00	6.9	2.578	6.5	664,493	12.4	288



Eagle Mountain- Woodfibre Gas Pipeline Project- Tunnel Scope

Title	WoodFibre Weekly Water Discharge Report	Revision:	0
Data Date Range	October 06,2025 to October 12, 2025	Prepared by: Approved by: Date:	SD BC2 October 28, 2025

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
10/7/2025	22:30:00	6.9	2.120	7	664,551	12.6	293
10/7/2025	22:45:00	7	2.581	0.4	664,588	12.4	296
10/7/2025	23:00:00	7	2.570	0.8	664,623	12.4	296
10/7/2025	23:15:00	7	2.581	0.6	664,647	12.5	299
10/7/2025	23:30:00	7	2.082	0.3	664,684	12.5	298
10/7/2025	23:45:00	7	2.570	0.6	664,721	12.5	298
10/8/2025	0:00:00	7	2.566	0.9	664,756	12.7	300
10/8/2025	0:15:00	7	2.581	0.9	664,776	12.8	302
10/8/2025	0:30:00	7	0.204	0.5	664,803	12.9	301
10/8/2025	0:45:00	7	2.578	1.3	664,838	12.7	301
10/8/2025	1:15:00	6.9	2.593	0.6	664,892	12.9	298
10/8/2025	1:30:00	6.9	2.157	0.9	664,929	12.9	298
10/8/2025	1:45:00	6.9	2.597	0.8	664,950	13.1	297
10/8/2025	2:00:00	6.9	2.581	0.2	664,985	13	297
10/8/2025	2:15:00	6.9	2.581	0.5	665,020	13	297
10/8/2025	2:30:00	6.9	2.112	1.1	665,057	13	297
10/8/2025	2:45:00	6.8	2.589	0.5	665,078	13	297
10/8/2025	3:00:00	6.8	2.581	1.4	665,113	13	297
10/8/2025	3:30:00	6.8	2.161	2.1	665,171	13.1	297
10/8/2025	4:15:00	6.9	2.661	9.5	665,230	13.1	295
10/8/2025	4:30:00	6.9	2.207	1.4	665,268	13	293
10/8/2025	4:45:00	6.9	2.646	1	665,306	12.9	287
10/8/2025	5:00:00	6.9	2.665	2	665,328	13.1	288
10/8/2025	5:15:00	6.9	2.646	1.3	665,364	13.1	292
10/8/2025	5:30:00	6.9	2.233	4.3	665,384	13.2	295



Eagle Mountain- Woodfibre Gas Pipeline Project- Tunnel Scope

Title	WoodFibre Weekly Water Discharge Report	Revision:	0
Data Date Range	October 06,2025 to October 12, 2025	Prepared by: Approved by: Date:	SD BC2 October 28, 2025

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
10/8/2025	5:45:00	6.9	2.263	3.2	665,422	13.1	297
10/8/2025	6:00:00	6.8	2.661	3.9	665,446	13.2	298
10/8/2025	6:15:00	6.8	2.665	5.5	665,482	13.1	298
10/8/2025	6:30:00	6.8	2.207	6	665,520	13.2	298
10/8/2025	6:45:00	6.9	2.638	6	665,558	13	298
10/8/2025	7:00:00	6.9	2.653	9.4	665,583	13	298
10/8/2025	7:15:00	6.9	2.650	8.9	665,619	12.9	298
10/8/2025	8:00:00	6.9	2.646	17	665,692	12.8	294
10/8/2025	8:15:00	6.9	2.797	17.8	665,720	12.7	293
10/8/2025	8:30:00	6.9	2.252	12.1	665,755	12.9	293
10/8/2025	8:45:00	6.9	2.332	6.6	665,778	13.1	291
10/8/2025	9:00:00	6.9	2.702	3.8	665,816	13.1	291
10/8/2025	9:15:00	6.9	2.687	2.6	665,852	13.3	294
10/8/2025	9:45:00	6.9	2.233	2.9	665,909	13.3	296
10/8/2025	10:00:00	6.9	2.672	3.8	665,946	13.3	296
10/8/2025	10:15:00	6.9	2.139	5.7	665,983	13.4	296
10/8/2025	10:30:00	6.9	2.260	7.5	666,007	13.4	294
10/8/2025	10:45:00	6.9	2.294	5.9	666,046	13.3	294
10/8/2025	11:00:00	6.9	2.714	13.2	666,069	13.6	294
10/8/2025	11:15:00	6.9	2.835	6.2	666,097	13.3	293
10/8/2025	11:30:00	7	2.021	17.9	666,132	12.8	291
10/8/2025	12:00:00	7.1	2.623	4.6	666,137	12.8	294
10/8/2025	12:15:00	7	2.634	7.5	666,172	12.7	293
10/8/2025	12:45:00	7	2.282	13.1	666,234	12.7	292
10/8/2025	13:15:00	7	2.718	5	666,267	13	294



Eagle Mountain- Woodfibre Gas Pipeline Project- Tunnel Scope

Title	WoodFibre Weekly Water Discharge Report	Revision:	0
Data Date Range	October 06,2025 to October 12, 2025	Prepared by: Approved by: Date:	SD BC2 October 28, 2025

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
10/8/2025	13:45:00	7	2.233	20.1	666,333	12.7	291
10/8/2025	14:00:00	7	2.650	9.7	666,369	12.8	291
10/8/2025	14:15:00	7	2.604	11	666,401	12.9	293
10/8/2025	14:30:00	7	2.207	6.6	666,424	13.1	293
10/8/2025	14:45:00	7	2.222	7.1	666,462	13.1	293
10/8/2025	15:00:00	7	2.653	8.8	666,484	13.3	294
10/8/2025	15:15:00	7	2.627	9	666,514	13.5	296
10/8/2025	15:30:00	7	1.344	13.8	666,548	13.4	296
10/8/2025	15:45:00	7	2.135	18.5	666,582	13	296
10/8/2025	16:00:00	7	2.612	12.1	666,604	13.2	298
10/8/2025	16:15:00	7	2.589	27.3	666,638	13.1	299
10/8/2025	16:30:00	7	2.135	18.7	666,651	13.2	299
10/8/2025	16:45:00	7	2.214	22.5	666,688	13.1	299
10/8/2025	18:00:00	6.9	2.706	4.2	666,780	13	299
10/8/2025	18:15:00	6.9	2.695	4.7	666,820	12.9	296
10/8/2025	18:45:00	6.9	2.759	7.7	666,872	13	294
10/8/2025	19:15:00	6.9	2.252	6.5	666,926	12.8	293
10/8/2025	19:30:00	6.9	2.559	1.7	666,962	12.9	291
10/8/2025	19:45:00	6.9	0.382	5.5	666,995	13.2	291
10/8/2025	20:00:00	6.9	2.139	5.6	667,024	13.3	293
10/8/2025	20:15:00	6.9	2.559	2.1	667,061	13.4	295
10/8/2025	20:30:00	6.9	2.562	3.9	667,086	13.7	298
10/8/2025	20:45:00	6.8	2.570	2.2	667,121	13.6	298
10/8/2025	21:00:00	6.8	2.097	1.5	667,159	13.6	300
10/8/2025	21:15:00	6.9	2.131	1.7	667,194	13.6	300

Title	WoodFibre Weekly Water Discharge Report	Revision:	0
Data Date Range	October 06,2025 to October 12, 2025	Prepared by: Approved by: Date:	SD BC2 October 28, 2025

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
10/8/2025	21:30:00	6.8	2.570	0.8	667,229	13.6	300
10/8/2025	21:45:00	6.8	2.101	2.2	667,265	13.7	300
10/8/2025	22:00:00	6.8	2.161	2.2	667,286	13.9	300
10/8/2025	22:15:00	6.9	2.570	0.9	667,323	13.4	302
10/8/2025	22:30:00	6.9	0.344	1.7	667,348	13.6	303
10/8/2025	22:45:00	6.9	0.326	1.6	667,372	13.6	305
10/8/2025	23:00:00	6.9	2.112	1.8	667,406	13.4	303
10/8/2025	23:15:00	6.9	2.150	1.2	667,441	13.4	303
10/8/2025	23:30:00	6.8	2.566	1.1	667,476	13.4	302
10/8/2025	23:45:00	6.8	0.356	3.7	667,504	13.6	300
10/9/2025	0:00:00	6.8	2.154	6	667,538	13.5	300
10/9/2025	0:15:00	6.8	2.574	0.7	667,576	13.4	300
10/9/2025	0:30:00	6.7	2.566	1.5	667,611	13.5	298
10/9/2025	0:45:00	6.7	2.589	1	667,635	13.5	298
10/9/2025	1:00:00	6.7	2.120	0.8	667,673	13.3	298
10/9/2025	1:15:00	6.7	2.150	1.2	667,708	13.3	298
10/9/2025	1:30:00	6.7	2.570	0.3	667,743	13.3	298
10/9/2025	1:45:00	6.7	2.116	1	667,767	13.5	298
10/9/2025	2:00:00	6.7	2.146	1.2	667,802	13.4	298
10/9/2025	2:15:00	6.7	0.363	1.3	667,831	13.3	297
10/9/2025	2:30:00	6.7	0.534	1.8	667,863	13.2	297
10/9/2025	2:45:00	6.7	2.627	0.9	667,889	13.3	297
10/9/2025	3:00:00	6.7	2.154	2.2	667,928	13.2	297
10/9/2025	3:15:00	6.8	0.333	1.2	667,956	13.3	297
10/9/2025	3:30:00	6.7	2.619	1	667,990	13.3	297

Title	WoodFibre Weekly Water Discharge Report	Revision:	0
Data Date Range	October 06,2025 to October 12, 2025	Prepared by: Approved by: Date:	SD BC2 October 28, 2025

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
10/9/2025	3:45:00	6.7	2.150	1.5	668,026	13.4	297
10/9/2025	4:00:00	6.8	0.382	1.1	668,053	13.4	297
10/9/2025	4:15:00	6.7	2.604	0.8	668,091	13.3	297
10/9/2025	4:30:00	6.7	2.600	0.8	668,126	13.4	293
10/9/2025	4:45:00	6.8	2.619	2.9	668,153	13.3	292
10/9/2025	5:00:00	6.7	2.173	1.7	668,192	13.3	292
10/9/2025	5:15:00	6.8	2.214	1.4	668,215	13.5	292
10/9/2025	5:30:00	6.7	2.627	0.9	668,251	13.3	291
10/9/2025	5:45:00	6.7	2.328	0.8	668,272	13.5	290
10/9/2025	6:00:00	6.7	2.233	1.8	668,299	13.4	289
10/9/2025	6:15:00	6.8	2.642	2.2	668,337	13.1	289
10/9/2025	6:30:00	6.8	2.638	1.8	668,373	13.2	293
10/9/2025	6:45:00	6.8	2.650	3.6	668,400	13.4	294
10/9/2025	7:00:00	6.8	2.180	5.4	668,439	13.1	293
10/9/2025	7:15:00	6.8	2.218	9.4	668,475	13	292
10/9/2025	7:30:00	6.8	2.638	5.9	668,512	12.9	292
10/9/2025	7:45:00	6.8	2.207	15.7	668,537	13.1	294
10/9/2025	8:00:00	6.8	2.294	9.5	668,573	12.9	291
10/9/2025	8:15:00	6.8	2.634	7	668,612	12.8	292
10/9/2025	8:30:00	6.8	2.634	6.7	668,631	12.9	291
10/9/2025	8:45:00	6.8	2.650	7.3	668,652	12.9	289
10/9/2025	9:00:00	6.9	2.354	15.3	668,691	12.8	289
10/9/2025	9:15:00	6.8	2.286	15.2	668,727	12.8	289
10/9/2025	9:30:00	6.9	2.653	17.1	668,745	12.9	289
10/9/2025	9:45:00	6.8	2.256	21.4	668,775	12.9	289



Eagle Mountain- Woodfibre Gas Pipeline Project- Tunnel Scope

Title	WoodFibre Weekly Water Discharge Report	Revision:	0
Data Date Range	October 06,2025 to October 12, 2025	Prepared by: Approved by: Date:	SD BC2 October 28, 2025

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
10/9/2025	10:00:00	6.8	1.427	11.3	668,806	12.8	289
10/9/2025	10:15:00	6.8	2.627	11.6	668,843	12.8	289
10/9/2025	10:30:00	6.8	2.608	11.3	668,870	12.7	289
10/9/2025	10:45:00	6.8	2.631	11.4	668,906	12.8	289
10/9/2025	11:00:00	6.8	1.915	16	668,945	12.8	289
10/9/2025	11:15:00	6.8	2.226	20.5	668,967	12.9	291
10/9/2025	11:30:00	6.8	2.623	16.6	669,004	12.9	291
10/9/2025	11:45:00	6.8	2.078	17.5	669,021	13.2	288
10/9/2025	12:15:00	6.9	2.608	11.2	669,063	12.5	288
10/9/2025	12:30:00	6.9	2.604	8.8	669,093	12.3	289
10/9/2025	12:45:00	6.9	2.612	9.8	669,124	12.3	289
10/9/2025	13:00:00	6.9	1.934	18.7	669,160	12.4	291
10/9/2025	13:15:00	6.9	2.180	12.9	669,194	12.5	292
10/9/2025	13:30:00	6.9	2.600	8	669,230	12.4	291
10/9/2025	13:45:00	6.9	1.238	9.5	669,260	12.5	289
10/9/2025	14:00:00	6.9	1.378	11	669,289	12.5	291
10/9/2025	14:45:00	6.9	2.801	11.9	669,351	12.8	289
10/9/2025	15:00:00	6.8	2.612	13.6	669,392	12.7	288
10/9/2025	15:15:00	6.8	2.873	23	669,424	12.7	288
10/9/2025	15:30:00	6.8	2.354	16.2	669,445	12.8	286
10/9/2025	15:45:00	6.8	1.597	11.9	669,472	12.8	286
10/9/2025	16:00:00	6.8	2.585	14	669,506	12.8	286
10/9/2025	16:15:00	6.8	1.518	16.4	669,538	12.8	284
10/9/2025	16:30:00	6.8	2.631	12.2	669,566	12.9	286
10/9/2025	16:45:00	6.8	2.604	12.6	669,605	12.9	286



Eagle Mountain- Woodfibre Gas Pipeline Project- Tunnel Scope

Title	WoodFibre Weekly Water Discharge Report	Revision:	0
Data Date Range	October 06,2025 to October 12, 2025	Prepared by: Approved by: Date:	SD BC2 October 28, 2025

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
10/9/2025	17:00:00	6.8	2.597	13.9	669,637	12.9	286
10/9/2025	17:15:00	6.8	2.574	14.1	669,669	12.9	286
10/9/2025	17:30:00	6.8	1.211	18.7	669,707	12.8	284
10/9/2025	17:45:00	6.8	1.658	15	669,719	12.7	283
10/9/2025	18:00:00	6.8	2.578	13.1	669,754	12.7	284
10/9/2025	18:15:00	6.8	2.139	14.5	669,787	12.7	284
10/9/2025	18:30:00	6.8	2.570	16.6	669,820	12.7	284
10/9/2025	18:45:00	6.8	2.555	13.4	669,858	12.6	288
10/9/2025	19:00:00	6.8	2.562	16.7	669,889	12.6	288
10/9/2025	19:15:00	6.9	2.551	2.2	669,917	12.6	288
10/9/2025	19:30:00	6.8	0.356	20.3	669,940	12.9	284
10/9/2025	19:45:00	6.9	1.764	25.9	669,971	12.4	283
10/9/2025	20:00:00	6.8	2.593	6.9	670,006	12.4	284
10/9/2025	20:15:00	6.8	2.173	13.4	670,042	12.4	284
10/9/2025	20:30:00	6.9	2.612	11.8	670,066	12.8	284
10/9/2025	20:45:00	6.8	2.589	8	670,104	12.4	284
10/9/2025	21:00:00	6.9	2.790	11.7	670,140	12.4	284
10/9/2025	21:15:00	6.9	3.043	14.1	670,166	12.7	284
10/9/2025	21:30:00	6.9	2.615	16.9	670,212	12.3	284
10/9/2025	21:45:00	6.9	0.167	7.2	670,223	12.7	289
10/9/2025	22:15:00	6.9	2.332	8.1	670,265	12.5	289
10/9/2025	22:30:00	-0.4	0.386	48.4	670,296	12.6	285
10/9/2025	22:45:00	6.8	2.763	11.3	670,333	12.5	289
10/9/2025	23:00:00	6.8	2.748	13.2	670,371	12.8	287
10/9/2025	23:15:00	6.7	2.748	53.5	670,395	13.2	285

Title	WoodFibre Weekly Water Discharge Report	Revision:	0
Data Date Range	October 06,2025 to October 12, 2025	Prepared by: Approved by: Date:	SD BC2 October 28, 2025

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
10/9/2025	23:30:00	6.7	2.192	7.5	670,435	13.4	286
10/9/2025	23:45:00	6.7	2.188	6	670,459	13.7	283
10/10/2025	0:00:00	6.7	2.638	4.6	670,497	13.5	283
10/10/2025	0:15:00	6.7	2.199	11.7	670,534	13.2	285
10/10/2025	0:30:00	6.8	2.631	9.9	670,569	13.2	285
10/10/2025	0:45:00	6.8	2.653	9.6	670,593	13.4	284
10/10/2025	1:00:00	6.8	2.646	10.3	670,629	13.1	284
10/10/2025	1:15:00	6.9	2.634	3.7	670,665	13	284
10/10/2025	1:30:00	6.8	2.192	5.3	670,704	12.8	283
10/10/2025	1:45:00	6.9	2.176	4.2	670,727	12.7	278
10/10/2025	2:00:00	6.9	2.627	3.4	670,764	12.2	278
10/10/2025	2:30:00	6.9	2.631	2.6	670,822	12.2	278
10/10/2025	2:45:00	6.8	2.316	1.3	670,861	12.2	278
10/10/2025	3:00:00	6.9	2.646	1.9	670,884	12.2	278
10/10/2025	3:15:00	6.9	2.627	1.5	670,920	12.2	276
10/10/2025	3:30:00	6.9	2.210	5.2	670,942	12.2	276
10/10/2025	3:45:00	6.9	2.169	3	670,976	12.2	276
10/10/2025	4:00:00	6.9	2.532	4.9	671,000	12.5	278
10/10/2025	4:15:00	6.9	2.207	14	671,037	12.3	279
10/10/2025	4:45:00	6.9	2.634	10.3	671,097	12.3	281
10/10/2025	5:00:00	6.9	2.684	2.6	671,131	12.3	283
10/10/2025	5:15:00	6.9	2.544	2.3	671,164	12.3	283
10/10/2025	5:45:00	6.9	2.074	5.5	671,217	12.3	284
10/10/2025	6:00:00	6.9	2.536	9.1	671,253	12.2	279
10/10/2025	6:15:00	6.9	2.297	16.7	671,288	12.3	279

Title	WoodFibre Weekly Water Discharge Report	Revision:	0
Data Date Range	October 06,2025 to October 12, 2025	Prepared by: Approved by: Date:	SD BC2 October 28, 2025

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
10/10/2025	6:30:00	6.9	2.619	8.3	671,323	12.6	279
10/10/2025	6:45:00	6.9	2.619	21.4	671,355	12.3	279
10/10/2025	7:00:00	7	0.397	14.1	671,388	12.5	281
10/10/2025	7:15:00	7	2.661	8.8	671,416	12.9	281
10/10/2025	7:30:00	7	2.210	8.8	671,455	13.3	281
10/10/2025	7:45:00	7	2.192	6.9	671,484	13.6	282
10/10/2025	8:00:00	7	2.657	9.1	671,512	14	284
10/10/2025	8:15:00	7	2.222	5.7	671,549	14.3	284
10/10/2025	8:30:00	7	0.424	4.5	671,573	14.5	282
10/10/2025	8:45:00	6.9	2.665	4.2	671,609	14.8	284
10/10/2025	9:00:00	6.9	2.422	3.3	671,645	15	284
10/10/2025	9:15:00	6.9	2.638	3.2	671,681	15.2	286
10/10/2025	9:30:00	6.9	2.210	3.8	671,705	15.4	282
10/10/2025	9:45:00	6.9	2.180	2.9	671,739	15.5	286
10/10/2025	10:00:00	7	2.657	4.3	671,764	13.5	281
10/10/2025	10:15:00	7	1.874	8	671,799	12.7	282
10/10/2025	10:30:00	6.9	2.589	5.7	671,830	12.6	282
10/10/2025	10:45:00	6.9	2.574	7.5	671,869	12.5	282
10/10/2025	11:00:00	6.9	2.108	8	671,904	12.5	282
10/10/2025	11:15:00	7	2.570	6.9	671,939	12.5	282
10/10/2025	11:30:00	7	2.120	7	671,977	12.5	282
10/10/2025	11:45:00	6.9	2.097	6.5	672,010	12.6	282
10/10/2025	12:00:00	6.9	2.578	5.7	672,031	12.9	282
10/10/2025	12:15:00	7	2.116	4.1	672,066	12.8	282
10/10/2025	12:30:00	7	0.420	4	672,089	13	282



Eagle Mountain- Woodfibre Gas Pipeline Project- Tunnel Scope

Title	WoodFibre Weekly Water Discharge Report	Revision:	0
Data Date Range	October 06,2025 to October 12, 2025	Prepared by: Approved by: Date:	SD BC2 October 28, 2025

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
10/10/2025	12:45:00	7	2.566	1.5	672,126	13.1	281
10/10/2025	13:00:00	6.9	1.893	3.5	672,158	13.5	280
10/10/2025	13:15:00	6.9	2.578	3.6	672,191	13.6	280
10/10/2025	13:30:00	6.9	1.760	6.4	672,228	13.5	278
10/10/2025	13:45:00	6.9	2.108	7.1	672,259	13.8	280
10/10/2025	14:00:00	6.8	2.578	3.2	672,296	13.9	278
10/10/2025	14:15:00	6.7	2.161	5.8	672,332	14.4	279
10/10/2025	14:30:00	6.7	2.585	5.3	672,366	14.6	277
10/10/2025	14:45:00	6.6	2.566	2	672,405	14.6	277
10/10/2025	15:00:00	6.6	2.574	3.4	672,433	14.6	277
10/10/2025	15:15:00	6.6	2.120	3.1	672,469	14.7	277
10/10/2025	15:30:00	6.6	2.316	3.2	672,493	14.5	277
10/10/2025	15:45:00	6.6	2.597	1.2	672,530	14.6	277
10/10/2025	16:15:00	6.5	2.203	3.2	672,570	15.3	274
10/10/2025	16:30:00	6.3	1.783	2.9	672,607	15.3	277
10/10/2025	16:45:00	6	2.578	0.7	672,642	15.4	277
10/10/2025	17:00:00	6	2.600	9.8	672,672	15.1	273
10/10/2025	17:15:00	6.3	2.139	2.8	672,707	15.2	276
10/10/2025	17:30:00	6.4	2.161	5.7	672,744	15	276
10/10/2025	17:45:00	6.4	2.585	10	672,755	16	278
10/10/2025	18:00:00	6.4	2.578	5.6	672,791	15.1	276
10/10/2025	18:15:00	6.3	2.207	8.7	672,826	15.2	276
10/10/2025	18:30:00	6.2	2.108	6.4	672,859	15.1	276
10/10/2025	18:45:00	6.1	2.566	4.3	672,895	15.2	278
10/10/2025	19:00:00	5.9	2.574	3.8	672,930	15.5	275

Title	WoodFibre Weekly Water Discharge Report	Revision:	0
Data Date Range	October 06,2025 to October 12, 2025	Prepared by: Approved by: Date:	SD BC2 October 28, 2025

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
10/10/2025	19:30:00	6	2.139	6.2	672,983	15.2	276
10/10/2025	19:45:00	6.1	2.566	2	673,020	15.2	278
10/10/2025	20:00:00	6	2.562	3.1	673,054	15.3	273
10/10/2025	20:15:00	6.2	2.570	12.4	673,089	15.2	273
10/10/2025	20:30:00	6.4	2.093	3.9	673,126	15	274
10/10/2025	20:45:00	6.4	2.551	2.4	673,162	14.8	274
10/10/2025	21:15:00	6.5	2.116	4.3	673,210	15.1	274
10/10/2025	21:30:00	6.5	2.139	2.1	673,247	15	276
10/10/2025	21:45:00	6.5	2.578	0.4	673,283	14.7	274
10/10/2025	22:00:00	6.4	2.570	1.5	673,317	13.7	276
10/10/2025	22:15:00	6.5	2.570	0.9	673,352	13.7	276
10/10/2025	22:30:00	6.5	2.112	0	673,381	13.5	276
10/10/2025	22:45:00	6.5	2.574	0	673,402	13.6	276
10/10/2025	23:00:00	6.5	2.581	0	673,436	13.4	276
10/10/2025	23:15:00	6.5	2.104	0	673,457	13.5	276
10/10/2025	23:30:00	6.5	2.142	2.2	673,494	13.5	276
10/10/2025	23:45:00	6.5	2.578	0	673,517	13.1	277
10/11/2025	0:00:00	6.6	2.574	0.3	673,552	12.9	277
10/11/2025	0:15:00	6.6	2.570	0.7	673,587	12.9	279
10/11/2025	0:30:00	6.6	2.104	5.9	673,612	12.9	281
10/11/2025	0:45:00	6.5	2.555	2.6	673,648	12.9	279
10/11/2025	1:00:00	6.5	2.555	1.5	673,683	13	279
10/11/2025	1:15:00	6.5	2.104	10.4	673,701	13.5	282
10/11/2025	1:45:00	6.5	2.551	1.6	673,758	13	279
10/11/2025	2:00:00	6.5	2.566	1.6	673,778	13.7	279

Title	WoodFibre Weekly Water Discharge Report	Revision:	0
Data Date Range	October 06,2025 to October 12, 2025	Prepared by: Approved by: Date:	SD BC2 October 28, 2025

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
10/11/2025	2:15:00	6.5	2.570	3.2	673,813	13.2	281
10/11/2025	2:30:00	6.5	2.097	3	673,850	13.2	281
10/11/2025	2:45:00	6.5	2.555	1.5	673,886	13.1	281
10/11/2025	3:00:00	6.5	2.585	6.5	673,903	13.7	283
10/11/2025	3:15:00	6.5	2.434	2.9	673,938	13.3	282
10/11/2025	3:30:00	6.5	2.146	3.9	673,961	13.3	282
10/11/2025	3:45:00	6.5	2.108	3.4	673,983	13.3	282
10/11/2025	4:00:00	6.3	2.566	0.2	674,020	13.4	310
10/11/2025	4:15:00	6.6	2.612	7.2	674,057	13.6	291
10/11/2025	4:45:00	6.6	2.600	4.7	674,117	13.3	287
10/11/2025	5:00:00	6.6	2.154	3.6	674,152	13.4	289
10/11/2025	5:15:00	6.3	2.570	0.8	674,175	13.4	292
10/11/2025	5:30:00	6.3	2.142	2.1	674,212	13.7	291
10/11/2025	5:45:00	6.4	2.142	1.3	674,230	13.8	289
10/11/2025	6:00:00	6.4	2.585	1.1	674,267	13.5	289
10/11/2025	6:15:00	6.4	2.578	3.1	674,303	13.7	287
10/11/2025	6:30:00	6.4	2.581	0.8	674,338	13.7	286
10/11/2025	7:00:00	6.5	2.139	0.6	674,395	13.4	282
10/11/2025	7:15:00	6.6	2.547	0.5	674,434	13.3	285
10/11/2025	7:30:00	6.6	2.411	0.7	674,470	13.4	284
10/11/2025	7:45:00	6.8	2.279	4.2	674,507	13.2	283
10/11/2025	8:00:00	6.6	2.593	0	674,531	13.2	283
10/11/2025	8:15:00	6.8	2.627	11.7	674,568	13.1	282
10/11/2025	8:30:00	6.8	2.793	3.9	674,589	13.1	282
10/11/2025	8:45:00	6.7	2.536	0.4	674,613	13.5	282



Eagle Mountain- Woodfibre Gas Pipeline Project- Tunnel Scope

Title	WoodFibre Weekly Water Discharge Report	Revision:	0
Data Date Range	October 06,2025 to October 12, 2025	Prepared by: Approved by: Date:	SD BC2 October 28, 2025

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
10/11/2025	9:00:00	6.8	1.824	5.5	674,645	12.9	278
10/11/2025	9:15:00	6.6	2.555	0.3	674,679	12.9	280
10/11/2025	9:30:00	6.8	2.210	6.5	674,716	13	280
10/11/2025	9:45:00	6.8	2.161	10.2	674,744	12.9	278
10/11/2025	10:00:00	6.8	2.619	10.5	674,769	12.8	278
10/11/2025	10:15:00	6.8	2.778	15.7	674,800	12.8	278
10/11/2025	10:30:00	6.7	2.615	15.2	674,819	13.1	277
10/11/2025	10:45:00	6.7	2.593	10.9	674,858	12.9	277
10/11/2025	11:00:00	6.8	1.787	18.3	674,890	12.9	277
10/11/2025	11:15:00	6.6	2.578	0.3	674,922	13	282
10/11/2025	11:30:00	6.7	1.870	9.2	674,957	13	278
10/11/2025	11:45:00	6.7	1.756	4.6	674,988	13	279
10/11/2025	12:00:00	6.6	2.562	0.3	675,024	13.2	281
10/11/2025	12:15:00	6.7	2.631	2	675,051	13.4	280
10/11/2025	12:30:00	6.7	2.233	14.2	675,080	13.4	281
10/11/2025	12:45:00	6.7	2.157	12.4	675,116	13.2	279
10/11/2025	13:00:00	6.7	2.585	6.3	675,133	13.8	279
10/11/2025	13:15:00	6.7	2.218	5.8	675,170	13.3	279
10/11/2025	13:30:00	6.6	2.188	6.5	675,205	13.4	279
10/11/2025	13:45:00	6.6	2.593	7.5	675,244	13.3	276
10/11/2025	14:00:00	6.6	2.585	6.7	675,273	13.2	274
10/11/2025	14:15:00	6.5	2.513	0	675,305	13.3	277
10/11/2025	14:30:00	6.6	2.195	4.5	675,335	13.4	276
10/11/2025	14:45:00	6.6	2.097	4.3	675,369	13.4	277
10/11/2025	15:15:00	6.7	1.798	4.1	675,419	13.4	274

Title	WoodFibre Weekly Water Discharge Report	Revision:	0
Data Date Range	October 06,2025 to October 12, 2025	Prepared by: Approved by: Date:	SD BC2 October 28, 2025

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
10/11/2025	15:30:00	6.7	1.851	4	675,450	13.2	276
10/11/2025	16:00:00	6.7	2.593	14.5	675,519	13.3	274
10/11/2025	16:15:00	6.7	2.048	6.8	675,552	13.3	277
10/11/2025	16:45:00	6.7	2.218	8.5	675,587	13.1	277
10/11/2025	17:00:00	6.6	2.581	0	675,611	13.4	277
10/11/2025	17:15:00	6.7	2.195	9.3	675,647	13.3	277
10/11/2025	17:30:00	6.6	2.566	0	675,685	13.3	277
10/11/2025	17:45:00	6.6	2.540	0	675,724	13.4	277
10/11/2025	18:00:00	6.6	1.654	17.9	675,761	13.2	276
10/11/2025	18:15:00	6.6	2.604	3	675,794	12.9	276
10/11/2025	18:30:00	6.7	2.309	4.6	675,832	13	276
10/11/2025	18:45:00	6.7	2.271	5.8	675,869	13	276
10/11/2025	19:00:00	6.6	2.547	0	675,907	12.9	275
10/11/2025	19:15:00	6.7	2.608	6.1	675,943	12.7	277
10/11/2025	19:30:00	6.7	2.744	0.9	675,983	12.7	277
10/11/2025	20:00:00	6.8	2.116	3.3	676,044	12.8	277
10/11/2025	20:15:00	6.8	2.555	6.4	676,079	12.9	277
10/11/2025	20:30:00	6.8	1.896	8.5	676,114	12.8	277
10/11/2025	21:00:00	6.8	2.725	4.9	676,157	12.7	275
10/11/2025	21:15:00	6.8	2.790	3.1	676,196	12.9	276
10/11/2025	21:30:00	6.8	2.547	0.7	676,234	13	276
10/11/2025	21:45:00	6.8	2.199	0.3	676,273	13	276
10/11/2025	22:15:00	6.7	2.680	0.4	676,319	13	276
10/11/2025	22:45:00	6.5	2.426	2.1	676,378	13.3	274
10/11/2025	23:00:00	6.4	2.634	0.3	676,418	13	274

Title	WoodFibre Weekly Water Discharge Report	Revision:	0
Data Date Range	October 06,2025 to October 12, 2025	Prepared by: Approved by: Date:	SD BC2 October 28, 2025

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
10/11/2025	23:15:00	6.6	2.702	5.3	676,443	13.2	277
10/11/2025	23:30:00	6.7	2.600	1.7	676,478	13.1	281
10/11/2025	23:45:00	6.8	2.188	2	676,517	13	280
10/12/2025	0:30:00	6.7	2.218	2.8	676,593	13.3	283
10/12/2025	0:45:00	6.8	2.199	1.7	676,628	13.2	283
10/12/2025	1:00:00	6.8	2.627	2.1	676,667	13.1	283
10/12/2025	1:45:00	6.9	2.263	7.7	676,748	13.1	285
10/12/2025	2:00:00	6.9	2.267	8.3	676,784	13.2	285
10/12/2025	2:15:00	6.9	2.657	6.6	676,821	13.1	286
10/12/2025	2:30:00	6.9	2.275	8.6	676,843	13.2	288
10/12/2025	3:00:00	6.9	2.650	7.4	676,894	13.2	288
10/12/2025	3:15:00	6.9	2.657	9.3	676,909	13.2	288
10/12/2025	3:45:00	6.9	1.707	8.6	676,956	13.1	285
10/12/2025	4:00:00	6.9	1.813	5.9	676,987	13	283
10/12/2025	4:15:00	6.9	2.650	3.9	677,022	13	283
10/12/2025	4:30:00	6.9	2.479	15.7	677,044	13.3	284
10/12/2025	4:45:00	6.9	2.241	4.7	677,080	13.2	284
10/12/2025	5:00:00	6.9	2.650	5	677,119	13.2	286
10/12/2025	5:30:00	6.9	2.653	4.2	677,169	13.3	286
10/12/2025	5:45:00	6.9	2.237	5.2	677,208	13.2	286
10/12/2025	6:00:00	6.9	1.018	6.3	677,243	13.3	286
10/12/2025	6:15:00	6.9	2.653	5.8	677,270	13.2	286
10/12/2025	6:30:00	6.9	2.290	8.4	677,307	13.2	286
10/12/2025	6:45:00	6.9	2.248	6.4	677,330	13.2	289
10/12/2025	7:00:00	7	2.642	6.1	677,369	13	289

Title	WoodFibre Weekly Water Discharge Report	Revision:	0
Data Date Range	October 06,2025 to October 12, 2025	Prepared by: Approved by: Date:	SD BC2 October 28, 2025

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
10/12/2025	7:15:00	7	2.646	4.3	677,406	12.9	288
10/12/2025	7:45:00	7	1.874	7.9	677,464	12.9	287
10/12/2025	8:00:00	7	1.802	3.8	677,495	12.8	283
10/12/2025	8:30:00	6.9	2.192	3.7	677,523	13.1	283
10/12/2025	8:45:00	6.9	2.188	2.6	677,554	13	285
10/12/2025	9:15:00	6.9	2.650	3.4	677,620	12.8	283
10/12/2025	9:30:00	6.9	2.585	1.4	677,653	12.9	283
10/12/2025	9:45:00	6.9	2.176	1.2	677,691	13	285
10/12/2025	10:00:00	6.8	2.161	4.9	677,722	13.4	281
10/12/2025	10:15:00	6.6	2.619	1.2	677,758	13.6	279
10/12/2025	10:30:00	6.3	2.195	0.9	677,795	13.9	279
10/12/2025	11:00:00	5.9	2.627	1.9	677,845	14	280
10/12/2025	11:15:00	5.7	2.597	4.1	677,877	13.9	281
10/12/2025	11:30:00	6	2.646	3.8	677,908	13.8	283
10/12/2025	11:45:00	6.3	2.222	11.6	677,934	14	288
10/12/2025	12:00:00	6.3	2.661	3.5	677,957	14	288
10/12/2025	12:15:00	6.2	2.650	5	677,996	13.8	286
10/12/2025	12:30:00	6.1	2.199	14.4	678,035	13.9	286
10/12/2025	12:45:00	6	2.631	2	678,068	13.8	286
10/12/2025	13:00:00	5.8	2.210	6.6	678,105	14.2	287
10/12/2025	13:15:00	5.6	2.199	7.9	678,124	14.3	285
10/12/2025	13:30:00	6.1	2.653	8.7	678,153	14	283
10/12/2025	13:45:00	6.1	2.612	8.8	678,184	13.7	281
10/12/2025	14:00:00	6.2	2.615	8.1	678,215	13.6	283
10/12/2025	14:15:00	6.3	2.646	8.4	678,224	13.6	282

Title	WoodFibre Weekly Water Discharge Report	Revision:	0
Data Date Range	October 06,2025 to October 12, 2025	Prepared by: Approved by: Date:	SD BC2 October 28, 2025

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
10/12/2025	14:30:00	6.4	2.642	6.5	678,264	13.7	283
10/12/2025	14:45:00	6.3	2.824	7.2	678,304	13.8	283
10/12/2025	15:00:00	6.5	2.581	9.6	678,332	13.9	282
10/12/2025	15:15:00	6.5	2.589	7.8	678,359	13.9	281
10/12/2025	15:30:00	6.6	2.604	7.5	678,399	13.8	281
10/12/2025	15:45:00	6.5	2.793	9.3	678,419	14.4	281
10/12/2025	16:15:00	6.5	2.059	10.5	678,469	14	279
10/12/2025	16:30:00	6.2	2.210	3.8	678,505	14.1	278
10/12/2025	17:00:00	5.9	2.642	7.2	678,562	14.4	277
10/12/2025	17:15:00	5.8	2.210	4.1	678,586	14.1	278
10/12/2025	17:45:00	6	2.790	1.1	678,636	13.9	277
10/12/2025	18:00:00	6.2	2.634	0	678,671	13.7	278
10/12/2025	18:30:00	6.5	2.188	0	678,740	13.4	277
10/12/2025	19:00:00	6.6	2.207	1.1	678,792	13.2	277
10/12/2025	19:15:00	6.6	2.199	0	678,827	13.3	278
10/12/2025	19:30:00	6.6	2.642	0	678,845	13.2	277
10/12/2025	19:45:00	6.6	2.835	5.1	678,881	13.3	277
10/12/2025	20:00:00	6.6	2.638	9.6	678,918	13.2	277
10/12/2025	20:15:00	6.6	2.634	6	678,957	13.1	276
10/12/2025	20:30:00	6.6	2.782	3.4	678,998	13.2	276
10/12/2025	20:45:00	6.6	2.914	1	679,041	13.1	276
10/12/2025	21:00:00	6.6	2.097	0.5	679,079	13.1	279
10/12/2025	21:15:00	6.6	2.752	0.6	679,114	13	279
10/12/2025	21:30:00	6.6	2.740	0.6	679,155	13	277
10/12/2025	21:45:00	6.6	2.294	1.2	679,191	13.1	278

Title	WoodFibre Weekly Water Discharge Report	Revision:	0
Data Date Range	October 06,2025 to October 12, 2025	Prepared by:	SD
		Approved by:	BC2
		Date:	October 28, 2025

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
10/12/2025	22:00:00	6.6	2.733	2.6	679,218	13.1	278
10/12/2025	22:15:00	6.6	2.207	1.4	679,257	13.2	277
10/12/2025	22:45:00	6.5	2.627	0	679,312	13.2	279
10/12/2025	23:15:00	6.5	2.627	2.7	679,366	13.3	276
10/12/2025	23:30:00	6.5	2.615	3	679,405	13.2	277
10/12/2025	23:45:00	6.5	2.199	1.5	679,440	13.3	278

Table 3. In-Situ Parameters

Date	Temperature °C	DO mg/L	Conductivity SPC-uS/cm	SAL-ppt	pH	ORP (mV)	NTU
10/06/2025	14.8	9.85	193.8	0.11	8.40	101.7	2.28
10/07/2025	12.3	9.28	181.8	0.09	7.33	186.1	1.63
10/08/2025	13.3	10.31	183.5	0.10	7.97	191.8	4.53
10/09/2025	13.4	10.63	196.1	0.09	7.45	193.7	3.72
10/10/2025	14.8	9.61	201.9	0.09	7.39	225.8	2.37
10/11/2025	10.4	10.41	211.4	0.10	7.80	178.1	4.43
10/12/2025	13.6	10.01	199.8	0.11	8.02	164.9	3.90

3. Calibration Log:

Table 4. Calibration Log

Date	Unit	pH	Conductivity/Temp.	Salinity	NTU
10/07/2025	YSI	✓	✓	✓	✓
10/7/2025	WTP	✓	N/A	N/A	✓



Eagle Mountain- Woodfibre Gas Pipeline Project- Tunnel Scope

Title	WoodFibre Weekly Water Discharge Report	Revision:	0
Data Date Range	October 06,2025 to October 12, 2025	Prepared by: Approved by: Date:	SD BC2 October 28, 2025

APPENDIX A: WTP Log



Eagle Mountain- Woodfibre Gas Pipeline Project- Tunnel Scope

Title	WoodFibre Weekly Water Discharge Report	Revision:	0
Data Date Range	October 06,2025 to October 12, 2025	Prepared by: Approved by: Date:	SD BC2 October 28, 2025

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Valve Status	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
10/6/2025	0:00:00	7.1	2.263	4.9	659,068	Open	12.6	315
10/6/2025	0:15:00	7	2.612	4.4	659,101	Open	12.6	312
10/6/2025	0:30:00	7	2.661	4.7	659,128	Open	12.5	312
10/6/2025	0:45:00	7.1	2.816	7.6	659,144	Open	12.6	312
10/6/2025	1:00:00	7.1	2.195	3.3	659,182	Open	12.6	315
10/6/2025	1:15:00	7.1	2.653	2.5	659,220	Open	12.6	315
10/6/2025	1:30:00	7	2.676	2.4	659,242	Open	12.7	315
10/6/2025	1:45:00	7	2.714	1.8	659,276	Open	13.2	313
10/6/2025	2:00:00	6.9	2.324	6.6	659,306	Open	13.6	316
10/6/2025	2:15:00	6.8	0.231	0.9	659,329	Closed	13.9	314
10/6/2025	2:30:00	6.6	2.574	1.3	659,348	Closed	14.3	314
10/6/2025	2:45:00	6.4	0.151	1.2	659,378	Closed	14	309
10/6/2025	3:00:00	6.4	2.263	3.4	659,405	Open	13.6	308
10/6/2025	3:15:00	6.7	2.702	3.1	659,444	Open	13.2	305
10/6/2025	3:30:00	6.8	2.725	3.6	659,465	Open	13.2	309
10/6/2025	3:45:00	6.8	2.718	2.5	659,502	Open	13.3	307
10/6/2025	4:00:00	6.9	2.320	4	659,516	Open	13.1	307
10/6/2025	4:15:00	6.9	2.267	2.5	659,555	Open	13.1	307
10/6/2025	4:30:00	6.8	2.702	1.7	659,592	Open	13.4	303
10/6/2025	4:45:00	6.6	0.821	2.3	659,618	Closed	13.9	302
10/6/2025	5:00:00	6.3	2.256	2.4	659,644	Open	13.9	300
10/6/2025	5:15:00	6	2.691	1.5	659,683	Open	13.7	301
10/6/2025	5:30:00	5.9	2.714	3.7	659,706	Open	14	303
10/6/2025	5:45:00	5.8	0.685	2.1	659,727	Closed	14.2	303



Eagle Mountain- Woodfibre Gas Pipeline Project- Tunnel Scope

Title	WoodFibre Weekly Water Discharge Report	Revision:	0
Data Date Range	October 06,2025 to October 12, 2025	Prepared by: Approved by: Date:	SD BC2 October 28, 2025

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Valve Status	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
10/6/2025	6:00:00	5.7	0.643	2	659,753	Closed	14	304
10/6/2025	6:15:00	6.2	2.279	2.2	659,787	Open	14.8	307
10/6/2025	6:30:00	6.4	0.977	1.9	659,822	Closed	14.3	303
10/6/2025	6:45:00	6.6	2.680	4	659,841	Open	13.6	303
10/6/2025	7:00:00	6.6	2.222	3.5	659,878	Open	13.1	304
10/6/2025	7:15:00	6.8	0.541	1.9	659,910	Closed	12.8	304
10/6/2025	7:30:00	6.8	2.672	1.4	659,936	Open	12.7	301
10/6/2025	7:45:00	6.8	2.665	1.5	659,973	Open	12.6	300
10/6/2025	8:00:00	6.8	0.526	1.7	659,998	Closed	12.6	300
10/6/2025	8:15:00	6.8	2.222	3.8	660,034	Open	12.4	299
10/6/2025	8:30:00	6.9	2.661	3.1	660,071	Open	12.4	299
10/6/2025	8:45:00	6.9	2.653	4.3	660,107	Open	12.4	299
10/6/2025	9:00:00	6.9	2.207	4.6	660,129	Open	12.5	299
10/6/2025	9:15:00	6.9	2.650	4.8	660,167	Open	12.5	297
10/6/2025	9:30:00	6.9	1.453	5.8	660,189	Closed	12.9	296
10/6/2025	9:45:00	6.9	2.653	5.9	660,224	Open	12.7	296
10/6/2025	10:00:00	6.9	2.229	8.1	660,262	Open	12.8	296
10/6/2025	10:15:00	6.9	2.207	10.7	660,285	Open	12.8	296
10/6/2025	10:30:00	6.9	2.668	8.8	660,302	Open	13.1	295
10/6/2025	10:45:00	6.9	2.668	12.2	660,323	Open	13.2	300
10/6/2025	11:00:00	6.9	0.295	9.9	660,356	Closed	12.9	298
10/6/2025	11:15:00	6.9	2.657	8.8	660,388	Open	12.9	298
10/6/2025	11:30:00	7	2.646	10.2	660,424	Open	12.9	298
10/6/2025	11:45:00	7	2.668	10.7	660,445	Open	13.1	298
10/6/2025	12:00:00	7	2.245	3.1	660,480	Open	13	298



Eagle Mountain- Woodfibre Gas Pipeline Project- Tunnel Scope

Title	WoodFibre Weekly Water Discharge Report	Revision:	0
Data Date Range	October 06,2025 to October 12, 2025	Prepared by: Approved by: Date:	SD BC2 October 28, 2025

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Valve Status	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
10/6/2025	12:15:00	7	2.195	3.4	660,517	Open	13	298
10/6/2025	12:30:00	7	2.646	2.7	660,550	Open	13	299
10/6/2025	12:45:00	7	2.562	4	660,585	Closed	13	299
10/6/2025	13:00:00	7	0.212	6	660,612	Closed	13.1	301
10/6/2025	13:15:00	7	2.653	3.9	660,646	Open	13.2	301
10/6/2025	13:30:00	7	2.653	3.9	660,682	Open	13.2	303
10/6/2025	13:45:00	7	0.488	3.5	660,717	Closed	13.3	303
10/6/2025	14:00:00	7	2.252	6.8	660,735	Open	13.4	303
10/6/2025	14:15:00	7	2.188	5	660,768	Open	13.4	303
10/6/2025	14:30:00	7	2.646	4.6	660,798	Open	13.3	300
10/6/2025	14:45:00	7	0.257	5.9	660,814	Closed	13.6	298
10/6/2025	15:00:00	7	1.938	6.2	660,833	Closed	13.6	299
10/6/2025	15:15:00	7	2.638	5.8	660,860	Open	13.3	299
10/6/2025	15:30:00	7	2.646	7.4	660,883	Open	13.3	296
10/6/2025	15:45:00	7	2.650	8.4	660,904	Open	13.2	293
10/6/2025	16:00:00	7	2.252	9.4	660,941	Open	13.1	296
10/6/2025	16:15:00	7	2.188	11.7	660,979	Open	13.2	298
10/6/2025	16:30:00	7	2.646	11.5	661,015	Open	13.3	301
10/6/2025	16:45:00	7	2.665	14.8	661,032	Open	13.5	306
10/6/2025	17:00:00	7	2.226	15.2	661,069	Open	13.4	306
10/6/2025	17:15:00	7	0.250	15.8	661,093	Closed	13.5	306
10/6/2025	17:30:00	7	2.627	4.5	661,108	Open	13.5	303
10/6/2025	17:45:00	7	2.661	4.5	661,145	Open	13.1	301
10/6/2025	18:00:00	7	2.245	5.9	661,181	Open	13.1	301
10/6/2025	18:15:00	7.1	2.188	8	661,219	Open	13	299



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Title	WoodFibre Weekly Water Discharge Report	Revision:	0
Data Date Range	October 06,2025 to October 12, 2025	Prepared by: Approved by: Date:	SD BC2 October 28, 2025

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Valve Status	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
10/6/2025	18:30:00	7.1	2.570	7.6	661,222	Open	13.1	299
10/6/2025	18:45:00	7	2.642	4.6	661,258	Open	12.9	299
10/6/2025	19:00:00	7.1	1.117	7.2	661,294	Closed	12.9	299
10/6/2025	19:15:00	7.1	2.245	5.1	661,319	Open	12.9	299
10/6/2025	19:30:00	7.1	2.631	5.3	661,355	Open	12.9	299
10/6/2025	19:45:00	7.1	2.657	5.9	661,377	Open	12.9	298
10/6/2025	20:00:00	7	2.411	10.3	661,414	Open	12.8	298
10/6/2025	20:15:00	7	2.184	11.7	661,451	Open	12.7	298
10/6/2025	20:30:00	7	0.833	6.7	661,457	Closed	12.6	298
10/6/2025	20:45:00	7	2.650	8.7	661,491	Open	12.6	297
10/6/2025	21:00:00	7	1.749	10	661,525	Open	12.6	300
10/6/2025	21:15:00	7.1	2.207	2.1	661,562	Open	12.6	303
10/6/2025	21:30:00	7.1	2.597	2.4	661,598	Open	12.7	305
10/6/2025	21:45:00	7.1	2.320	2.6	661,621	Open	12.9	305
10/6/2025	22:00:00	7.1	2.210	3.1	661,659	Open	12.7	303
10/6/2025	22:15:00	7.1	2.142	3	661,696	Open	12.7	303
10/6/2025	22:30:00	7.1	2.612	2.6	661,720	Open	12.7	303
10/6/2025	22:45:00	7.1	0.397	2.4	661,735	Closed	12.8	305
10/6/2025	23:00:00	7.1	2.146	2.6	661,760	Open	12.7	305
10/6/2025	23:15:00	7.1	2.063	1.9	661,779	Closed	12.7	302
10/6/2025	23:30:00	7	2.623	1.7	661,809	Open	12.6	302
10/6/2025	23:45:00	7	2.650	1.7	661,845	Open	12.7	302
10/7/2025	0:00:00	7	2.123	1.8	661,866	Closed	12.8	301
10/7/2025	0:15:00	7	2.086	1.9	661,903	Open	12.9	300
10/7/2025	0:30:00	6.9	2.551	1.6	661,938	Open	13	300



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Title	WoodFibre Weekly Water Discharge Report	Revision:	0
Data Date Range	October 06,2025 to October 12, 2025	Prepared by: Approved by: Date:	SD BC2 October 28, 2025

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Valve Status	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
10/7/2025	0:45:00	6.9	0.337	5.4	661,968	Closed	13.2	300
10/7/2025	1:00:00	6.7	2.093	2.1	661,993	Open	13.4	299
10/7/2025	1:15:00	6.5	2.021	0.7	662,020	Closed	13.5	300
10/7/2025	1:30:00	6.4	2.551	1	662,042	Open	13.5	302
10/7/2025	1:45:00	6.3	2.547	1.1	662,076	Open	13.5	301
10/7/2025	2:00:00	6.3	2.131	1.8	662,112	Open	13.5	300
10/7/2025	2:15:00	6.1	2.074	2.7	662,130	Open	13.6	298
10/7/2025	2:30:00	6	2.226	3.4	662,147	Closed	14.7	303
10/7/2025	2:45:00	6	2.540	1.9	662,177	Open	13.6	300
10/7/2025	3:00:00	6	2.082	2.2	662,212	Open	13.6	300
10/7/2025	3:15:00	5.9	2.131	37	662,249	Open	13.5	298
10/7/2025	3:30:00	5.9	2.547	1.1	662,284	Open	13.5	297
10/7/2025	3:45:00	5.9	2.562	1.8	662,299	Open	14	299
10/7/2025	4:00:00	5.9	2.142	2.5	662,335	Open	13.6	302
10/7/2025	4:15:00	5.9	2.214	2.8	662,364	Open	13.6	304
10/7/2025	4:30:00	6	2.634	2.5	662,400	Open	13.5	303
10/7/2025	4:45:00	6.1	2.521	2.8	662,434	Closed	13.5	303
10/7/2025	5:00:00	6.2	0.848	4	662,438	Closed	13.8	307
10/7/2025	5:15:00	6.2	2.434	65.1	662,471	Open	13.3	303
10/7/2025	5:30:00	6.2	2.631	1.1	662,507	Open	13.3	302
10/7/2025	5:45:00	6.2	2.438	1.6	662,524	Open	14.1	303
10/7/2025	6:00:00	6.1	0.742	0.8	662,556	Closed	13.4	301
10/7/2025	6:15:00	6.2	2.222	1.6	662,585	Open	13.4	302
10/7/2025	6:30:00	6	2.623	1.1	662,622	Open	13.4	300
10/7/2025	6:45:00	5.9	2.619	1.7	662,657	Open	13.3	302



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Title	WoodFibre Weekly Water Discharge Report	Revision:	0
Data Date Range	October 06,2025 to October 12, 2025	Prepared by: Approved by: Date:	SD BC2 October 28, 2025

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Valve Status	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
10/7/2025	7:00:00	6	2.165	1.8	662,693	Open	13.4	302
10/7/2025	7:15:00	6.1	2.483	15.5	662,732	Open	13.2	301
10/7/2025	7:30:00	6.3	2.638	4.1	662,753	Open	13.3	299
10/7/2025	7:45:00	6.4	2.634	2.1	662,789	Open	13	297
10/7/2025	8:00:00	6.4	2.218	2	662,825	Open	12.9	296
10/7/2025	8:15:00	6.5	2.165	1.7	662,863	Open	12.9	294
10/7/2025	8:30:00	6.6	2.638	1.2	662,881	Open	12.9	296
10/7/2025	8:45:00	6.6	2.615	0.8	662,917	Open	12.8	294
10/7/2025	9:00:00	6.5	2.017	1	662,936	Open	13	296
10/7/2025	9:15:00	6.5	2.733	1.2	662,969	Open	12.9	294
10/7/2025	9:30:00	6.5	2.604	1.2	663,008	Open	13	294
10/7/2025	9:45:00	6.5	2.710	2.6	663,048	Open	13.1	298
10/7/2025	10:00:00	6.4	2.612	2.2	663,071	Open	13.2	299
10/7/2025	10:15:00	6.5	2.600	2	663,110	Open	13.1	299
10/7/2025	10:30:00	6.6	2.585	2.2	663,148	Open	13.1	297
10/7/2025	10:45:00	6.6	0.397	1.5	663,177	Closed	13.3	299
10/7/2025	11:00:00	6.6	0.575	1.8	663,210	Closed	13.1	297
10/7/2025	11:15:00	6.6	2.150	4.6	663,227	Open	13.2	297
10/7/2025	11:30:00	6.7	2.604	3	663,248	Open	13.2	300
10/7/2025	11:45:00	6.6	0.261	2.5	663,278	Closed	13.3	298
10/7/2025	12:00:00	6.7	2.612	2.7	663,306	Open	13.1	297
10/7/2025	12:15:00	6.7	2.593	2.4	663,344	Open	13.1	297
10/7/2025	12:30:00	6.7	2.146	10.7	663,383	Open	13	296
10/7/2025	12:45:00	6.7	2.581	3	663,412	Open	13	294
10/7/2025	13:00:00	6.7	2.578	3.1	663,450	Open	13	296



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Title	WoodFibre Weekly Water Discharge Report	Revision:	0
Data Date Range	October 06,2025 to October 12, 2025	Prepared by: Approved by: Date:	SD BC2 October 28, 2025

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Valve Status	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
10/7/2025	13:15:00	6.7	1.628	3.6	663,467	Open	13.1	296
10/7/2025	13:30:00	6.7	2.581	3.4	663,504	Open	13	297
10/7/2025	13:45:00	6.7	2.422	3.6	663,536	Closed	13	297
10/7/2025	14:00:00	6.7	2.593	5.9	663,550	Open	13.6	296
10/7/2025	14:15:00	6.7	0.825	5.8	663,588	Closed	13.2	297
10/7/2025	14:30:00	6.7	2.070	48.2	663,610	Closed	13.2	296
10/7/2025	14:45:00	6.7	0.829	3.5	663,617	Closed	13.3	294
10/7/2025	15:00:00	6.8	2.665	5.4	663,644	Open	13	289
10/7/2025	15:15:00	6.8	2.638	7	663,684	Open	13	289
10/7/2025	15:30:00	6.8	1.389	18.7	663,716	Open	13.3	291
10/7/2025	15:45:00	6.8	2.589	10	663,746	Open	13	289
10/7/2025	16:00:00	6.8	2.631	4.6	663,776	Open	13.1	287
10/7/2025	16:15:00	6.9	2.562	28.1	663,792	Closed	13.6	285
10/7/2025	16:30:00	6.9	2.195	5.3	663,830	Open	13	287
10/7/2025	16:45:00	6.8	2.642	4.3	663,849	Open	13	287
10/7/2025	17:00:00	6.8	0.458	11	663,876	Closed	13.1	287
10/7/2025	17:15:00	6.8	2.653	14.6	663,904	Open	12.9	285
10/7/2025	17:30:00	6.8	2.297	8.1	663,942	Open	12.8	285
10/7/2025	17:45:00	6.9	2.672	6.6	663,980	Open	12.8	287
10/7/2025	18:00:00	6.9	2.687	9.9	664,003	Open	12.9	288
10/7/2025	18:15:00	6.9	2.256	13.8	664,038	Open	12.8	287
10/7/2025	18:30:00	6.9	2.146	26.7	664,063	Closed	12.8	287
10/7/2025	18:45:00	6.9	2.668	9	664,069	Open	13.4	286
10/7/2025	19:00:00	6.9	2.672	6.1	664,105	Open	12.7	285
10/7/2025	19:15:00	6.9	0.594	8.2	664,129	Closed	12.9	285

Title	WoodFibre Weekly Water Discharge Report	Revision:	0
Data Date Range	October 06,2025 to October 12, 2025	Prepared by: Approved by: Date:	SD BC2 October 28, 2025

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Valve Status	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
10/7/2025	19:30:00	6.9	1.836	10.4	664,156	Open	12.7	283
10/7/2025	19:45:00	6.9	2.566	12.8	664,192	Open	12.6	282
10/7/2025	20:00:00	7.3	1.927	7.4	664,215	Open	12.7	279
10/7/2025	20:15:00	6.9	2.581	5.6	664,250	Open	12.4	281
10/7/2025	20:30:00	7	0.291	8.9	664,282	Open	12.4	281
10/7/2025	20:45:00	7	2.574	9.6	664,314	Open	12.3	281
10/7/2025	21:00:00	6.9	2.585	4.8	664,349	Open	12.7	281
10/7/2025	21:15:00	6.9	2.581	5.1	664,384	Open	12.8	284
10/7/2025	21:30:00	6.9	2.154	6.3	664,421	Open	12.9	284
10/7/2025	21:45:00	6.9	2.585	5.1	664,458	Open	12.4	288
10/7/2025	22:00:00	6.9	2.578	6.5	664,493	Open	12.4	288
10/7/2025	22:15:00	7	0.693	9.8	664,527	Closed	12.6	293
10/7/2025	22:30:00	6.9	2.120	7	664,551	Open	12.6	293
10/7/2025	22:45:00	7	2.581	0.4	664,588	Open	12.4	296
10/7/2025	23:00:00	7	2.570	0.8	664,623	Open	12.4	296
10/7/2025	23:15:00	7	2.581	0.6	664,647	Open	12.5	299
10/7/2025	23:30:00	7	2.082	0.3	664,684	Open	12.5	298
10/7/2025	23:45:00	7	2.570	0.6	664,721	Open	12.5	298
10/8/2025	0:00:00	7	2.566	0.9	664,756	Open	12.7	300
10/8/2025	0:15:00	7	2.581	0.9	664,776	Open	12.8	302
10/8/2025	0:30:00	7	0.204	0.5	664,803	Open	12.9	301
10/8/2025	0:45:00	7	2.578	1.3	664,838	Open	12.7	301
10/8/2025	1:00:00	7	0.628	0.8	664,873	Closed	12.8	298
10/8/2025	1:15:00	6.9	2.593	0.6	664,892	Open	12.9	298
10/8/2025	1:30:00	6.9	2.157	0.9	664,929	Open	12.9	298



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Title	WoodFibre Weekly Water Discharge Report	Revision:	0
Data Date Range	October 06,2025 to October 12, 2025	Prepared by: Approved by: Date:	SD BC2 October 28, 2025

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Valve Status	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
10/8/2025	1:45:00	6.9	2.597	0.8	664,950	Open	13.1	297
10/8/2025	2:00:00	6.9	2.581	0.2	664,985	Open	13	297
10/8/2025	2:15:00	6.9	2.581	0.5	665,020	Open	13	297
10/8/2025	2:30:00	6.9	2.112	1.1	665,057	Open	13	297
10/8/2025	2:45:00	6.8	2.589	0.5	665,078	Open	13	297
10/8/2025	3:00:00	6.8	2.581	1.4	665,113	Open	13	297
10/8/2025	3:15:00	6.8	0.261	5.8	665,143	Closed	13.1	297
10/8/2025	3:30:00	6.8	2.161	2.1	665,171	Open	13.1	297
10/8/2025	3:45:00	6.8	2.619	2.6	665,191	Closed	13.1	297
10/8/2025	4:00:00	6.9	2.509	63.8	665,198	Closed	13.1	298
10/8/2025	4:15:00	6.9	2.661	9.5	665,230	Open	13.1	295
10/8/2025	4:30:00	6.9	2.207	1.4	665,268	Open	13	293
10/8/2025	4:45:00	6.9	2.646	1	665,306	Open	12.9	287
10/8/2025	5:00:00	6.9	2.665	2	665,328	Open	13.1	288
10/8/2025	5:15:00	6.9	2.646	1.3	665,364	Open	13.1	292
10/8/2025	5:30:00	6.9	2.233	4.3	665,384	Open	13.2	295
10/8/2025	5:45:00	6.9	2.263	3.2	665,422	Open	13.1	297
10/8/2025	6:00:00	6.8	2.661	3.9	665,446	Open	13.2	298
10/8/2025	6:15:00	6.8	2.665	5.5	665,482	Open	13.1	298
10/8/2025	6:30:00	6.8	2.207	6	665,520	Open	13.2	298
10/8/2025	6:45:00	6.9	2.638	6	665,558	Open	13	298
10/8/2025	7:00:00	6.9	2.653	9.4	665,583	Open	13	298
10/8/2025	7:15:00	6.9	2.650	8.9	665,619	Open	12.9	298
10/8/2025	7:30:00	6.9	0.401	12.3	665,642	Closed	13.1	298
10/8/2025	7:45:00	6.9	0.390	15.7	665,669	Closed	12.9	296



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Title	WoodFibre Weekly Water Discharge Report	Revision:	0
Data Date Range	October 06,2025 to October 12, 2025	Prepared by: Approved by: Date:	SD BC2 October 28, 2025

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Valve Status	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
10/8/2025	8:00:00	6.9	2.646	17	665,692	Open	12.8	294
10/8/2025	8:15:00	6.9	2.797	17.8	665,720	Open	12.7	293
10/8/2025	8:30:00	6.9	2.252	12.1	665,755	Open	12.9	293
10/8/2025	8:45:00	6.9	2.332	6.6	665,778	Open	13.1	291
10/8/2025	9:00:00	6.9	2.702	3.8	665,816	Open	13.1	291
10/8/2025	9:15:00	6.9	2.687	2.6	665,852	Open	13.3	294
10/8/2025	9:30:00	6.9	0.307	2.9	665,875	Closed	13.4	294
10/8/2025	9:45:00	6.9	2.233	2.9	665,909	Open	13.3	296
10/8/2025	10:00:00	6.9	2.672	3.8	665,946	Open	13.3	296
10/8/2025	10:15:00	6.9	2.139	5.7	665,983	Open	13.4	296
10/8/2025	10:30:00	6.9	2.260	7.5	666,007	Open	13.4	294
10/8/2025	10:45:00	6.9	2.294	5.9	666,046	Open	13.3	294
10/8/2025	11:00:00	6.9	2.714	13.2	666,069	Open	13.6	294
10/8/2025	11:15:00	6.9	2.835	6.2	666,097	Open	13.3	293
10/8/2025	11:30:00	7	2.021	17.9	666,132	Open	12.8	291
10/8/2025	11:45:00	7	1.787	53.4	666,137	Closed	12.8	291
10/8/2025	12:00:00	7.1	2.623	4.6	666,137	Open	12.8	294
10/8/2025	12:15:00	7	2.634	7.5	666,172	Open	12.7	293
10/8/2025	12:30:00	7	0.477	16.8	666,208	Closed	12.7	293
10/8/2025	12:45:00	7	2.282	13.1	666,234	Open	12.7	292
10/8/2025	13:00:00	7	2.551	19.7	666,242	Closed	12.8	293
10/8/2025	13:15:00	7	2.718	5	666,267	Open	13	294
10/8/2025	13:30:00	7	0.371	5.6	666,298	Closed	12.8	291
10/8/2025	13:45:00	7	2.233	20.1	666,333	Open	12.7	291
10/8/2025	14:00:00	7	2.650	9.7	666,369	Open	12.8	291

Title	WoodFibre Weekly Water Discharge Report	Revision:	0
Data Date Range	October 06,2025 to October 12, 2025	Prepared by: Approved by: Date:	SD BC2 October 28, 2025

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Valve Status	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
10/8/2025	14:15:00	7	2.604	11	666,401	Open	12.9	293
10/8/2025	14:30:00	7	2.207	6.6	666,424	Open	13.1	293
10/8/2025	14:45:00	7	2.222	7.1	666,462	Open	13.1	293
10/8/2025	15:00:00	7	2.653	8.8	666,484	Open	13.3	294
10/8/2025	15:15:00	7	2.627	9	666,514	Open	13.5	296
10/8/2025	15:30:00	7	1.344	13.8	666,548	Open	13.4	296
10/8/2025	15:45:00	7	2.135	18.5	666,582	Open	13	296
10/8/2025	16:00:00	7	2.612	12.1	666,604	Open	13.2	298
10/8/2025	16:15:00	7	2.589	27.3	666,638	Open	13.1	299
10/8/2025	16:30:00	7	2.135	18.7	666,651	Open	13.2	299
10/8/2025	16:45:00	7	2.214	22.5	666,688	Open	13.1	299
10/8/2025	17:00:00	7	3.312	20.4	666,705	Closed	13.4	301
10/8/2025	17:15:00	7	1.556	21.3	666,735	Closed	13.1	298
10/8/2025	17:30:00	6.9	2.570	23.2	666,737	Closed	12.9	298
10/8/2025	17:45:00	7	0.901	3	666,758	Closed	12.9	296
10/8/2025	18:00:00	6.9	2.706	4.2	666,780	Open	13	299
10/8/2025	18:15:00	6.9	2.695	4.7	666,820	Open	12.9	296
10/8/2025	18:30:00	7	0.727	2.9	666,849	Closed	13.1	296
10/8/2025	18:45:00	6.9	2.759	7.7	666,872	Open	13	294
10/8/2025	19:00:00	7	0.712	7.1	666,911	Closed	12.8	291
10/8/2025	19:15:00	6.9	2.252	6.5	666,926	Open	12.8	293
10/8/2025	19:30:00	6.9	2.559	1.7	666,962	Open	12.9	291
10/8/2025	19:45:00	6.9	0.382	5.5	666,995	Open	13.2	291
10/8/2025	20:00:00	6.9	2.139	5.6	667,024	Open	13.3	293
10/8/2025	20:15:00	6.9	2.559	2.1	667,061	Open	13.4	295



Eagle Mountain- Woodfibre Gas Pipeline Project- Tunnel Scope

Title	WoodFibre Weekly Water Discharge Report	Revision:	0
Data Date Range	October 06,2025 to October 12, 2025	Prepared by: Approved by: Date:	SD BC2 October 28, 2025

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Valve Status	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
10/8/2025	20:30:00	6.9	2.562	3.9	667,086	Open	13.7	298
10/8/2025	20:45:00	6.8	2.570	2.2	667,121	Open	13.6	298
10/8/2025	21:00:00	6.8	2.097	1.5	667,159	Open	13.6	300
10/8/2025	21:15:00	6.9	2.131	1.7	667,194	Open	13.6	300
10/8/2025	21:30:00	6.8	2.570	0.8	667,229	Open	13.6	300
10/8/2025	21:45:00	6.8	2.101	2.2	667,265	Open	13.7	300
10/8/2025	22:00:00	6.8	2.161	2.2	667,286	Open	13.9	300
10/8/2025	22:15:00	6.9	2.570	0.9	667,323	Open	13.4	302
10/8/2025	22:30:00	6.9	0.344	1.7	667,348	Open	13.6	303
10/8/2025	22:45:00	6.9	0.326	1.6	667,372	Open	13.6	305
10/8/2025	23:00:00	6.9	2.112	1.8	667,406	Open	13.4	303
10/8/2025	23:15:00	6.9	2.150	1.2	667,441	Open	13.4	303
10/8/2025	23:30:00	6.8	2.566	1.1	667,476	Open	13.4	302
10/8/2025	23:45:00	6.8	0.356	3.7	667,504	Open	13.6	300
10/9/2025	0:00:00	6.8	2.154	6	667,538	Open	13.5	300
10/9/2025	0:15:00	6.8	2.574	0.7	667,576	Open	13.4	300
10/9/2025	0:30:00	6.7	2.566	1.5	667,611	Open	13.5	298
10/9/2025	0:45:00	6.7	2.589	1	667,635	Open	13.5	298
10/9/2025	1:00:00	6.7	2.120	0.8	667,673	Open	13.3	298
10/9/2025	1:15:00	6.7	2.150	1.2	667,708	Open	13.3	298
10/9/2025	1:30:00	6.7	2.570	0.3	667,743	Open	13.3	298
10/9/2025	1:45:00	6.7	2.116	1	667,767	Open	13.5	298
10/9/2025	2:00:00	6.7	2.146	1.2	667,802	Open	13.4	298
10/9/2025	2:15:00	6.7	0.363	1.3	667,831	Open	13.3	297
10/9/2025	2:30:00	6.7	0.534	1.8	667,863	Open	13.2	297



Eagle Mountain- Woodfibre Gas Pipeline Project- Tunnel Scope

Title	WoodFibre Weekly Water Discharge Report	Revision:	0
Data Date Range	October 06,2025 to October 12, 2025	Prepared by: Approved by: Date:	SD BC2 October 28, 2025

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Valve Status	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
10/9/2025	2:45:00	6.7	2.627	0.9	667,889	Open	13.3	297
10/9/2025	3:00:00	6.7	2.154	2.2	667,928	Open	13.2	297
10/9/2025	3:15:00	6.8	0.333	1.2	667,956	Open	13.3	297
10/9/2025	3:30:00	6.7	2.619	1	667,990	Open	13.3	297
10/9/2025	3:45:00	6.7	2.150	1.5	668,026	Open	13.4	297
10/9/2025	4:00:00	6.8	0.382	1.1	668,053	Open	13.4	297
10/9/2025	4:15:00	6.7	2.604	0.8	668,091	Open	13.3	297
10/9/2025	4:30:00	6.7	2.600	0.8	668,126	Open	13.4	293
10/9/2025	4:45:00	6.8	2.619	2.9	668,153	Open	13.3	292
10/9/2025	5:00:00	6.7	2.173	1.7	668,192	Open	13.3	292
10/9/2025	5:15:00	6.8	2.214	1.4	668,215	Open	13.5	292
10/9/2025	5:30:00	6.7	2.627	0.9	668,251	Open	13.3	291
10/9/2025	5:45:00	6.7	2.328	0.8	668,272	Open	13.5	290
10/9/2025	6:00:00	6.7	2.233	1.8	668,299	Open	13.4	289
10/9/2025	6:15:00	6.8	2.642	2.2	668,337	Open	13.1	289
10/9/2025	6:30:00	6.8	2.638	1.8	668,373	Open	13.2	293
10/9/2025	6:45:00	6.8	2.650	3.6	668,400	Open	13.4	294
10/9/2025	7:00:00	6.8	2.180	5.4	668,439	Open	13.1	293
10/9/2025	7:15:00	6.8	2.218	9.4	668,475	Open	13	292
10/9/2025	7:30:00	6.8	2.638	5.9	668,512	Open	12.9	292
10/9/2025	7:45:00	6.8	2.207	15.7	668,537	Open	13.1	294
10/9/2025	8:00:00	6.8	2.294	9.5	668,573	Open	12.9	291
10/9/2025	8:15:00	6.8	2.634	7	668,612	Open	12.8	292
10/9/2025	8:30:00	6.8	2.634	6.7	668,631	Open	12.9	291
10/9/2025	8:45:00	6.8	2.650	7.3	668,652	Open	12.9	289



Eagle Mountain- Woodfibre Gas Pipeline Project- Tunnel Scope

Title	WoodFibre Weekly Water Discharge Report	Revision:	0
Data Date Range	October 06,2025 to October 12, 2025	Prepared by: Approved by: Date:	SD BC2 October 28, 2025

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Valve Status	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
10/9/2025	9:00:00	6.9	2.354	15.3	668,691	Open	12.8	289
10/9/2025	9:15:00	6.8	2.286	15.2	668,727	Open	12.8	289
10/9/2025	9:30:00	6.9	2.653	17.1	668,745	Open	12.9	289
10/9/2025	9:45:00	6.8	2.256	21.4	668,775	Open	12.9	289
10/9/2025	10:00:00	6.8	1.427	11.3	668,806	Open	12.8	289
10/9/2025	10:15:00	6.8	2.627	11.6	668,843	Open	12.8	289
10/9/2025	10:30:00	6.8	2.608	11.3	668,870	Open	12.7	289
10/9/2025	10:45:00	6.8	2.631	11.4	668,906	Open	12.8	289
10/9/2025	11:00:00	6.8	1.915	16	668,945	Open	12.8	289
10/9/2025	11:15:00	6.8	2.226	20.5	668,967	Open	12.9	291
10/9/2025	11:30:00	6.8	2.623	16.6	669,004	Open	12.9	291
10/9/2025	11:45:00	6.8	2.078	17.5	669,021	Open	13.2	288
10/9/2025	12:00:00	6.8	0.000	26.2	669,039	Closed	13	291
10/9/2025	12:15:00	6.9	2.608	11.2	669,063	Open	12.5	288
10/9/2025	12:30:00	6.9	2.604	8.8	669,093	Open	12.3	289
10/9/2025	12:45:00	6.9	2.612	9.8	669,124	Open	12.3	289
10/9/2025	13:00:00	6.9	1.934	18.7	669,160	Open	12.4	291
10/9/2025	13:15:00	6.9	2.180	12.9	669,194	Open	12.5	292
10/9/2025	13:30:00	6.9	2.600	8	669,230	Open	12.4	291
10/9/2025	13:45:00	6.9	1.238	9.5	669,260	Open	12.5	289
10/9/2025	14:00:00	6.9	1.378	11	669,289	Open	12.5	291
10/9/2025	14:15:00	6.9	0.000	10.4	669,322	Closed	12.6	291
10/9/2025	14:30:00	6.9	0.000	17	669,340	Closed	12.7	291
10/9/2025	14:45:00	6.9	2.801	11.9	669,351	Open	12.8	289
10/9/2025	15:00:00	6.8	2.612	13.6	669,392	Open	12.7	288



Eagle Mountain- Woodfibre Gas Pipeline Project- Tunnel Scope

Title	WoodFibre Weekly Water Discharge Report	Revision:	0
Data Date Range	October 06,2025 to October 12, 2025	Prepared by: Approved by: Date:	SD BC2 October 28, 2025

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Valve Status	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
10/9/2025	15:15:00	6.8	2.873	23	669,424	Open	12.7	288
10/9/2025	15:30:00	6.8	2.354	16.2	669,445	Open	12.8	286
10/9/2025	15:45:00	6.8	1.597	11.9	669,472	Open	12.8	286
10/9/2025	16:00:00	6.8	2.585	14	669,506	Open	12.8	286
10/9/2025	16:15:00	6.8	1.518	16.4	669,538	Open	12.8	284
10/9/2025	16:30:00	6.8	2.631	12.2	669,566	Open	12.9	286
10/9/2025	16:45:00	6.8	2.604	12.6	669,605	Open	12.9	286
10/9/2025	17:00:00	6.8	2.597	13.9	669,637	Open	12.9	286
10/9/2025	17:15:00	6.8	2.574	14.1	669,669	Open	12.9	286
10/9/2025	17:30:00	6.8	1.211	18.7	669,707	Open	12.8	284
10/9/2025	17:45:00	6.8	1.658	15	669,719	Open	12.7	283
10/9/2025	18:00:00	6.8	2.578	13.1	669,754	Open	12.7	284
10/9/2025	18:15:00	6.8	2.139	14.5	669,787	Open	12.7	284
10/9/2025	18:30:00	6.8	2.570	16.6	669,820	Open	12.7	284
10/9/2025	18:45:00	6.8	2.555	13.4	669,858	Open	12.6	288
10/9/2025	19:00:00	6.8	2.562	16.7	669,889	Open	12.6	288
10/9/2025	19:15:00	6.9	2.551	2.2	669,917	Open	12.6	288
10/9/2025	19:30:00	6.8	0.356	20.3	669,940	Open	12.9	284
10/9/2025	19:45:00	6.9	1.764	25.9	669,971	Open	12.4	283
10/9/2025	20:00:00	6.8	2.593	6.9	670,006	Open	12.4	284
10/9/2025	20:15:00	6.8	2.173	13.4	670,042	Open	12.4	284
10/9/2025	20:30:00	6.9	2.612	11.8	670,066	Open	12.8	284
10/9/2025	20:45:00	6.8	2.589	8	670,104	Open	12.4	284
10/9/2025	21:00:00	6.9	2.790	11.7	670,140	Open	12.4	284
10/9/2025	21:15:00	6.9	3.043	14.1	670,166	Open	12.7	284



Eagle Mountain- Woodfibre Gas Pipeline Project- Tunnel Scope

Title	WoodFibre Weekly Water Discharge Report	Revision:	0
Data Date Range	October 06,2025 to October 12, 2025	Prepared by: Approved by: Date:	SD BC2 October 28, 2025

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Valve Status	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
10/9/2025	21:30:00	6.9	2.615	16.9	670,212	Open	12.3	284
10/9/2025	21:45:00	6.9	0.167	7.2	670,223	Open	12.7	289
10/9/2025	22:00:00	6.9	2.790	21.5	670,229	Closed	12.8	286
10/9/2025	22:15:00	6.9	2.332	8.1	670,265	Open	12.5	289
10/9/2025	22:30:00	-0.4	0.386	48.4	670,296	Open	12.6	285
10/9/2025	22:45:00	6.8	2.763	11.3	670,333	Open	12.5	289
10/9/2025	23:00:00	6.8	2.748	13.2	670,371	Open	12.8	287
10/9/2025	23:15:00	6.7	2.748	53.5	670,395	Open	13.2	285
10/9/2025	23:30:00	6.7	2.192	7.5	670,435	Open	13.4	286
10/9/2025	23:45:00	6.7	2.188	6	670,459	Open	13.7	283
10/10/2025	0:00:00	6.7	2.638	4.6	670,497	Open	13.5	283
10/10/2025	0:15:00	6.7	2.199	11.7	670,534	Open	13.2	285
10/10/2025	0:30:00	6.8	2.631	9.9	670,569	Open	13.2	285
10/10/2025	0:45:00	6.8	2.653	9.6	670,593	Open	13.4	284
10/10/2025	1:00:00	6.8	2.646	10.3	670,629	Open	13.1	284
10/10/2025	1:15:00	6.9	2.634	3.7	670,665	Open	13	284
10/10/2025	1:30:00	6.8	2.192	5.3	670,704	Open	12.8	283
10/10/2025	1:45:00	6.9	2.176	4.2	670,727	Open	12.7	278
10/10/2025	2:00:00	6.9	2.627	3.4	670,764	Open	12.2	278
10/10/2025	2:15:00	6.9	0.197	6.4	670,797	Closed	12.3	278
10/10/2025	2:30:00	6.9	2.631	2.6	670,822	Open	12.2	278
10/10/2025	2:45:00	6.8	2.316	1.3	670,861	Open	12.2	278
10/10/2025	3:00:00	6.9	2.646	1.9	670,884	Open	12.2	278
10/10/2025	3:15:00	6.9	2.627	1.5	670,920	Open	12.2	276
10/10/2025	3:30:00	6.9	2.210	5.2	670,942	Open	12.2	276

Title	WoodFibre Weekly Water Discharge Report	Revision:	0
Data Date Range	October 06,2025 to October 12, 2025	Prepared by: Approved by: Date:	SD BC2 October 28, 2025

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Valve Status	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
10/10/2025	3:45:00	6.9	2.169	3	670,976	Open	12.2	276
10/10/2025	4:00:00	6.9	2.532	4.9	671,000	Open	12.5	278
10/10/2025	4:15:00	6.9	2.207	14	671,037	Open	12.3	279
10/10/2025	4:30:00	6.9	0.136	8	671,065	Closed	12.4	281
10/10/2025	4:45:00	6.9	2.634	10.3	671,097	Open	12.3	281
10/10/2025	5:00:00	6.9	2.684	2.6	671,131	Open	12.3	283
10/10/2025	5:15:00	6.9	2.544	2.3	671,164	Open	12.3	283
10/10/2025	5:30:00	6.9	0.167	1.8	671,187	Closed	12.5	283
10/10/2025	5:45:00	6.9	2.074	5.5	671,217	Open	12.3	284
10/10/2025	6:00:00	6.9	2.536	9.1	671,253	Open	12.2	279
10/10/2025	6:15:00	6.9	2.297	16.7	671,288	Open	12.3	279
10/10/2025	6:30:00	6.9	2.619	8.3	671,323	Open	12.6	279
10/10/2025	6:45:00	6.9	2.619	21.4	671,355	Open	12.3	279
10/10/2025	7:00:00	7	0.397	14.1	671,388	Open	12.5	281
10/10/2025	7:15:00	7	2.661	8.8	671,416	Open	12.9	281
10/10/2025	7:30:00	7	2.210	8.8	671,455	Open	13.3	281
10/10/2025	7:45:00	7	2.192	6.9	671,484	Open	13.6	282
10/10/2025	8:00:00	7	2.657	9.1	671,512	Open	14	284
10/10/2025	8:15:00	7	2.222	5.7	671,549	Open	14.3	284
10/10/2025	8:30:00	7	0.424	4.5	671,573	Open	14.5	282
10/10/2025	8:45:00	6.9	2.665	4.2	671,609	Open	14.8	284
10/10/2025	9:00:00	6.9	2.422	3.3	671,645	Open	15	284
10/10/2025	9:15:00	6.9	2.638	3.2	671,681	Open	15.2	286
10/10/2025	9:30:00	6.9	2.210	3.8	671,705	Open	15.4	282
10/10/2025	9:45:00	6.9	2.180	2.9	671,739	Open	15.5	286



Eagle Mountain- Woodfibre Gas Pipeline Project- Tunnel Scope

Title	WoodFibre Weekly Water Discharge Report	Revision:	0
Data Date Range	October 06,2025 to October 12, 2025	Prepared by: Approved by: Date:	SD BC2 October 28, 2025

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Valve Status	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
10/10/2025	10:00:00	7	2.657	4.3	671,764	Open	13.5	281
10/10/2025	10:15:00	7	1.874	8	671,799	Open	12.7	282
10/10/2025	10:30:00	6.9	2.589	5.7	671,830	Open	12.6	282
10/10/2025	10:45:00	6.9	2.574	7.5	671,869	Open	12.5	282
10/10/2025	11:00:00	6.9	2.108	8	671,904	Open	12.5	282
10/10/2025	11:15:00	7	2.570	6.9	671,939	Open	12.5	282
10/10/2025	11:30:00	7	2.120	7	671,977	Open	12.5	282
10/10/2025	11:45:00	6.9	2.097	6.5	672,010	Open	12.6	282
10/10/2025	12:00:00	6.9	2.578	5.7	672,031	Open	12.9	282
10/10/2025	12:15:00	7	2.116	4.1	672,066	Open	12.8	282
10/10/2025	12:30:00	7	0.420	4	672,089	Open	13	282
10/10/2025	12:45:00	7	2.566	1.5	672,126	Open	13.1	281
10/10/2025	13:00:00	6.9	1.893	3.5	672,158	Open	13.5	280
10/10/2025	13:15:00	6.9	2.578	3.6	672,191	Open	13.6	280
10/10/2025	13:30:00	6.9	1.760	6.4	672,228	Open	13.5	278
10/10/2025	13:45:00	6.9	2.108	7.1	672,259	Open	13.8	280
10/10/2025	14:00:00	6.8	2.578	3.2	672,296	Open	13.9	278
10/10/2025	14:15:00	6.7	2.161	5.8	672,332	Open	14.4	279
10/10/2025	14:30:00	6.7	2.585	5.3	672,366	Open	14.6	277
10/10/2025	14:45:00	6.6	2.566	2	672,405	Open	14.6	277
10/10/2025	15:00:00	6.6	2.574	3.4	672,433	Open	14.6	277
10/10/2025	15:15:00	6.6	2.120	3.1	672,469	Open	14.7	277
10/10/2025	15:30:00	6.6	2.316	3.2	672,493	Open	14.5	277
10/10/2025	15:45:00	6.6	2.597	1.2	672,530	Open	14.6	277
10/10/2025	16:00:00	6.6	0.329	3.9	672,543	Closed	15.2	281



Eagle Mountain- Woodfibre Gas Pipeline Project- Tunnel Scope

Title	WoodFibre Weekly Water Discharge Report	Revision:	0
Data Date Range	October 06,2025 to October 12, 2025	Prepared by: Approved by: Date:	SD BC2 October 28, 2025

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Valve Status	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
10/10/2025	16:15:00	6.5	2.203	3.2	672,570	Open	15.3	274
10/10/2025	16:30:00	6.3	1.783	2.9	672,607	Open	15.3	277
10/10/2025	16:45:00	6	2.578	0.7	672,642	Open	15.4	277
10/10/2025	17:00:00	6	2.600	9.8	672,672	Open	15.1	273
10/10/2025	17:15:00	6.3	2.139	2.8	672,707	Open	15.2	276
10/10/2025	17:30:00	6.4	2.161	5.7	672,744	Open	15	276
10/10/2025	17:45:00	6.4	2.585	10	672,755	Open	16	278
10/10/2025	18:00:00	6.4	2.578	5.6	672,791	Open	15.1	276
10/10/2025	18:15:00	6.3	2.207	8.7	672,826	Open	15.2	276
10/10/2025	18:30:00	6.2	2.108	6.4	672,859	Open	15.1	276
10/10/2025	18:45:00	6.1	2.566	4.3	672,895	Open	15.2	278
10/10/2025	19:00:00	5.9	2.574	3.8	672,930	Open	15.5	275
10/10/2025	19:15:00	5.9	2.051	6.1	672,965	Closed	15.7	277
10/10/2025	19:30:00	6	2.139	6.2	672,983	Open	15.2	276
10/10/2025	19:45:00	6.1	2.566	2	673,020	Open	15.2	278
10/10/2025	20:00:00	6	2.562	3.1	673,054	Open	15.3	273
10/10/2025	20:15:00	6.2	2.570	12.4	673,089	Open	15.2	273
10/10/2025	20:30:00	6.4	2.093	3.9	673,126	Open	15	274
10/10/2025	20:45:00	6.4	2.551	2.4	673,162	Open	14.8	274
10/10/2025	21:00:00	6.5	0.416	5.7	673,183	Closed	15.1	274
10/10/2025	21:15:00	6.5	2.116	4.3	673,210	Open	15.1	274
10/10/2025	21:30:00	6.5	2.139	2.1	673,247	Open	15	276
10/10/2025	21:45:00	6.5	2.578	0.4	673,283	Open	14.7	274
10/10/2025	22:00:00	6.4	2.570	1.5	673,317	Open	13.7	276
10/10/2025	22:15:00	6.5	2.570	0.9	673,352	Open	13.7	276



Eagle Mountain- Woodfibre Gas Pipeline Project- Tunnel Scope

Title	WoodFibre Weekly Water Discharge Report	Revision:	0
Data Date Range	October 06,2025 to October 12, 2025	Prepared by: Approved by: Date:	SD BC2 October 28, 2025

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Valve Status	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
10/10/2025	22:30:00	6.5	2.112	0	673,381	Open	13.5	276
10/10/2025	22:45:00	6.5	2.574	0	673,402	Open	13.6	276
10/10/2025	23:00:00	6.5	2.581	0	673,436	Open	13.4	276
10/10/2025	23:15:00	6.5	2.104	0	673,457	Open	13.5	276
10/10/2025	23:30:00	6.5	2.142	2.2	673,494	Open	13.5	276
10/10/2025	23:45:00	6.5	2.578	0	673,517	Open	13.1	277
10/11/2025	0:00:00	6.6	2.574	0.3	673,552	Open	12.9	277
10/11/2025	0:15:00	6.6	2.570	0.7	673,587	Open	12.9	279
10/11/2025	0:30:00	6.6	2.104	5.9	673,612	Open	12.9	281
10/11/2025	0:45:00	6.5	2.555	2.6	673,648	Open	12.9	279
10/11/2025	1:00:00	6.5	2.555	1.5	673,683	Open	13	279
10/11/2025	1:15:00	6.5	2.104	10.4	673,701	Open	13.5	282
10/11/2025	1:30:00	6.5	1.915	3.6	673,730	Closed	13.1	279
10/11/2025	1:45:00	6.5	2.551	1.6	673,758	Open	13	279
10/11/2025	2:00:00	6.5	2.566	1.6	673,778	Open	13.7	279
10/11/2025	2:15:00	6.5	2.570	3.2	673,813	Open	13.2	281
10/11/2025	2:30:00	6.5	2.097	3	673,850	Open	13.2	281
10/11/2025	2:45:00	6.5	2.555	1.5	673,886	Open	13.1	281
10/11/2025	3:00:00	6.5	2.585	6.5	673,903	Open	13.7	283
10/11/2025	3:15:00	6.5	2.434	2.9	673,938	Open	13.3	282
10/11/2025	3:30:00	6.5	2.146	3.9	673,961	Open	13.3	282
10/11/2025	3:45:00	6.5	2.108	3.4	673,983	Open	13.3	282
10/11/2025	4:00:00	6.3	2.566	0.2	674,020	Open	13.4	310
10/11/2025	4:15:00	6.6	2.612	7.2	674,057	Open	13.6	291
10/11/2025	4:30:00	6.6	2.434	2.3	674,087	Closed	13.4	286

Title	WoodFibre Weekly Water Discharge Report	Revision:	0
Data Date Range	October 06,2025 to October 12, 2025	Prepared by: Approved by: Date:	SD BC2 October 28, 2025

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Valve Status	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
10/11/2025	4:45:00	6.6	2.600	4.7	674,117	Open	13.3	287
10/11/2025	5:00:00	6.6	2.154	3.6	674,152	Open	13.4	289
10/11/2025	5:15:00	6.3	2.570	0.8	674,175	Open	13.4	292
10/11/2025	5:30:00	6.3	2.142	2.1	674,212	Open	13.7	291
10/11/2025	5:45:00	6.4	2.142	1.3	674,230	Open	13.8	289
10/11/2025	6:00:00	6.4	2.585	1.1	674,267	Open	13.5	289
10/11/2025	6:15:00	6.4	2.578	3.1	674,303	Open	13.7	287
10/11/2025	6:30:00	6.4	2.581	0.8	674,338	Open	13.7	286
10/11/2025	6:45:00	6.4	0.318	0.9	674,367	Closed	13.5	282
10/11/2025	7:00:00	6.5	2.139	0.6	674,395	Open	13.4	282
10/11/2025	7:15:00	6.6	2.547	0.5	674,434	Open	13.3	285
10/11/2025	7:30:00	6.6	2.411	0.7	674,470	Open	13.4	284
10/11/2025	7:45:00	6.8	2.279	4.2	674,507	Open	13.2	283
10/11/2025	8:00:00	6.6	2.593	0	674,531	Open	13.2	283
10/11/2025	8:15:00	6.8	2.627	11.7	674,568	Open	13.1	282
10/11/2025	8:30:00	6.8	2.793	3.9	674,589	Open	13.1	282
10/11/2025	8:45:00	6.7	2.536	0.4	674,613	Open	13.5	282
10/11/2025	9:00:00	6.8	1.824	5.5	674,645	Open	12.9	278
10/11/2025	9:15:00	6.6	2.555	0.3	674,679	Open	12.9	280
10/11/2025	9:30:00	6.8	2.210	6.5	674,716	Open	13	280
10/11/2025	9:45:00	6.8	2.161	10.2	674,744	Open	12.9	278
10/11/2025	10:00:00	6.8	2.619	10.5	674,769	Open	12.8	278
10/11/2025	10:15:00	6.8	2.778	15.7	674,800	Open	12.8	278
10/11/2025	10:30:00	6.7	2.615	15.2	674,819	Open	13.1	277
10/11/2025	10:45:00	6.7	2.593	10.9	674,858	Open	12.9	277

Title	WoodFibre Weekly Water Discharge Report	Revision:	0
Data Date Range	October 06,2025 to October 12, 2025	Prepared by: Approved by: Date:	SD BC2 October 28, 2025

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Valve Status	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
10/11/2025	11:00:00	6.8	1.787	18.3	674,890	Open	12.9	277
10/11/2025	11:15:00	6.6	2.578	0.3	674,922	Open	13	282
10/11/2025	11:30:00	6.7	1.870	9.2	674,957	Open	13	278
10/11/2025	11:45:00	6.7	1.756	4.6	674,988	Open	13	279
10/11/2025	12:00:00	6.6	2.562	0.3	675,024	Open	13.2	281
10/11/2025	12:15:00	6.7	2.631	2	675,051	Open	13.4	280
10/11/2025	12:30:00	6.7	2.233	14.2	675,080	Open	13.4	281
10/11/2025	12:45:00	6.7	2.157	12.4	675,116	Open	13.2	279
10/11/2025	13:00:00	6.7	2.585	6.3	675,133	Open	13.8	279
10/11/2025	13:15:00	6.7	2.218	5.8	675,170	Open	13.3	279
10/11/2025	13:30:00	6.6	2.188	6.5	675,205	Open	13.4	279
10/11/2025	13:45:00	6.6	2.593	7.5	675,244	Open	13.3	276
10/11/2025	14:00:00	6.6	2.585	6.7	675,273	Open	13.2	274
10/11/2025	14:15:00	6.5	2.513	0	675,305	Open	13.3	277
10/11/2025	14:30:00	6.6	2.195	4.5	675,335	Open	13.4	276
10/11/2025	14:45:00	6.6	2.097	4.3	675,369	Open	13.4	277
10/11/2025	15:00:00	6.5	0.182	0	675,391	Closed	13.8	277
10/11/2025	15:15:00	6.7	1.798	4.1	675,419	Open	13.4	274
10/11/2025	15:30:00	6.7	1.851	4	675,450	Open	13.2	276
10/11/2025	15:45:00	6.6	0.000	0	675,485	Closed	13.6	279
10/11/2025	16:00:00	6.7	2.593	14.5	675,519	Open	13.3	274
10/11/2025	16:15:00	6.7	2.048	6.8	675,552	Open	13.3	277
10/11/2025	16:30:00	6.7	2.029	11.4	675,584	Closed	13.2	278
10/11/2025	16:45:00	6.7	2.218	8.5	675,587	Open	13.1	277
10/11/2025	17:00:00	6.6	2.581	0	675,611	Open	13.4	277



Eagle Mountain- Woodfibre Gas Pipeline Project- Tunnel Scope

Title	WoodFibre Weekly Water Discharge Report	Revision:	0
Data Date Range	October 06,2025 to October 12, 2025	Prepared by: Approved by: Date:	SD BC2 October 28, 2025

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Valve Status	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
10/11/2025	17:15:00	6.7	2.195	9.3	675,647	Open	13.3	277
10/11/2025	17:30:00	6.6	2.566	0	675,685	Open	13.3	277
10/11/2025	17:45:00	6.6	2.540	0	675,724	Open	13.4	277
10/11/2025	18:00:00	6.6	1.654	17.9	675,761	Open	13.2	276
10/11/2025	18:15:00	6.6	2.604	3	675,794	Open	12.9	276
10/11/2025	18:30:00	6.7	2.309	4.6	675,832	Open	13	276
10/11/2025	18:45:00	6.7	2.271	5.8	675,869	Open	13	276
10/11/2025	19:00:00	6.6	2.547	0	675,907	Open	12.9	275
10/11/2025	19:15:00	6.7	2.608	6.1	675,943	Open	12.7	277
10/11/2025	19:30:00	6.7	2.744	0.9	675,983	Open	12.7	277
10/11/2025	19:45:00	6.7	0.363	0.2	676,011	Closed	13	277
10/11/2025	20:00:00	6.8	2.116	3.3	676,044	Open	12.8	277
10/11/2025	20:15:00	6.8	2.555	6.4	676,079	Open	12.9	277
10/11/2025	20:30:00	6.8	1.896	8.5	676,114	Open	12.8	277
10/11/2025	20:45:00	6.8	1.817	7.1	676,145	Closed	12.7	275
10/11/2025	21:00:00	6.8	2.725	4.9	676,157	Open	12.7	275
10/11/2025	21:15:00	6.8	2.790	3.1	676,196	Open	12.9	276
10/11/2025	21:30:00	6.8	2.547	0.7	676,234	Open	13	276
10/11/2025	21:45:00	6.8	2.199	0.3	676,273	Open	13	276
10/11/2025	22:00:00	6.7	2.044	0.3	676,292	Closed	13.5	276
10/11/2025	22:15:00	6.7	2.680	0.4	676,319	Open	13	276
10/11/2025	22:30:00	6.6	0.734	1.3	676,356	Closed	13.1	276
10/11/2025	22:45:00	6.5	2.426	2.1	676,378	Open	13.3	274
10/11/2025	23:00:00	6.4	2.634	0.3	676,418	Open	13	274
10/11/2025	23:15:00	6.6	2.702	5.3	676,443	Open	13.2	277



Eagle Mountain- Woodfibre Gas Pipeline Project- Tunnel Scope

Title	WoodFibre Weekly Water Discharge Report	Revision:	0
Data Date Range	October 06,2025 to October 12, 2025	Prepared by: Approved by: Date:	SD BC2 October 28, 2025

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Valve Status	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
10/11/2025	23:30:00	6.7	2.600	1.7	676,478	Open	13.1	281
10/11/2025	23:45:00	6.8	2.188	2	676,517	Open	13	280
10/12/2025	0:00:00	6.7	2.036	2	676,546	Closed	13	282
10/12/2025	0:15:00	6.7	0.526	1.3	676,571	Closed	13.2	282
10/12/2025	0:30:00	6.7	2.218	2.8	676,593	Open	13.3	283
10/12/2025	0:45:00	6.8	2.199	1.7	676,628	Open	13.2	283
10/12/2025	1:00:00	6.8	2.627	2.1	676,667	Open	13.1	283
10/12/2025	1:15:00	6.9	2.551	9	676,690	Closed	13	283
10/12/2025	1:30:00	7	0.477	9	676,722	Closed	13.1	285
10/12/2025	1:45:00	6.9	2.263	7.7	676,748	Open	13.1	285
10/12/2025	2:00:00	6.9	2.267	8.3	676,784	Open	13.2	285
10/12/2025	2:15:00	6.9	2.657	6.6	676,821	Open	13.1	286
10/12/2025	2:30:00	6.9	2.275	8.6	676,843	Open	13.2	288
10/12/2025	2:45:00	6.9	2.131	7.6	676,878	Closed	13.3	286
10/12/2025	3:00:00	6.9	2.650	7.4	676,894	Open	13.2	288
10/12/2025	3:15:00	6.9	2.657	9.3	676,909	Open	13.2	288
10/12/2025	3:30:00	6.9	2.498	47.2	676,920	Closed	13.6	286
10/12/2025	3:45:00	6.9	1.707	8.6	676,956	Open	13.1	285
10/12/2025	4:00:00	6.9	1.813	5.9	676,987	Open	13	283
10/12/2025	4:15:00	6.9	2.650	3.9	677,022	Open	13	283
10/12/2025	4:30:00	6.9	2.479	15.7	677,044	Open	13.3	284
10/12/2025	4:45:00	6.9	2.241	4.7	677,080	Open	13.2	284
10/12/2025	5:00:00	6.9	2.650	5	677,119	Open	13.2	286
10/12/2025	5:15:00	6.9	0.477	7.4	677,135	Closed	13.6	288
10/12/2025	5:30:00	6.9	2.653	4.2	677,169	Open	13.3	286

Title	WoodFibre Weekly Water Discharge Report	Revision:	0
Data Date Range	October 06,2025 to October 12, 2025	Prepared by: Approved by: Date:	SD BC2 October 28, 2025

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Valve Status	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
10/12/2025	5:45:00	6.9	2.237	5.2	677,208	Open	13.2	286
10/12/2025	6:00:00	6.9	1.018	6.3	677,243	Open	13.3	286
10/12/2025	6:15:00	6.9	2.653	5.8	677,270	Open	13.2	286
10/12/2025	6:30:00	6.9	2.290	8.4	677,307	Open	13.2	286
10/12/2025	6:45:00	6.9	2.248	6.4	677,330	Open	13.2	289
10/12/2025	7:00:00	7	2.642	6.1	677,369	Open	13	289
10/12/2025	7:15:00	7	2.646	4.3	677,406	Open	12.9	288
10/12/2025	7:30:00	7	0.394	4.3	677,429	Closed	13.1	289
10/12/2025	7:45:00	7	1.874	7.9	677,464	Open	12.9	287
10/12/2025	8:00:00	7	1.802	3.8	677,495	Open	12.8	283
10/12/2025	8:15:00	7	0.322	10.2	677,509	Closed	13.1	285
10/12/2025	8:30:00	6.9	2.192	3.7	677,523	Open	13.1	283
10/12/2025	8:45:00	6.9	2.188	2.6	677,554	Open	13	285
10/12/2025	9:00:00	6.9	0.269	4.7	677,588	Closed	12.9	283
10/12/2025	9:15:00	6.9	2.650	3.4	677,620	Open	12.8	283
10/12/2025	9:30:00	6.9	2.585	1.4	677,653	Open	12.9	283
10/12/2025	9:45:00	6.9	2.176	1.2	677,691	Open	13	285
10/12/2025	10:00:00	6.8	2.161	4.9	677,722	Open	13.4	281
10/12/2025	10:15:00	6.6	2.619	1.2	677,758	Open	13.6	279
10/12/2025	10:30:00	6.3	2.195	0.9	677,795	Open	13.9	279
10/12/2025	10:45:00	5.9	1.151	1.7	677,816	Closed	14.1	279
10/12/2025	11:00:00	5.9	2.627	1.9	677,845	Open	14	280
10/12/2025	11:15:00	5.7	2.597	4.1	677,877	Open	13.9	281
10/12/2025	11:30:00	6	2.646	3.8	677,908	Open	13.8	283
10/12/2025	11:45:00	6.3	2.222	11.6	677,934	Open	14	288

Title	WoodFibre Weekly Water Discharge Report	Revision:	0
Data Date Range	October 06,2025 to October 12, 2025	Prepared by: Approved by: Date:	SD BC2 October 28, 2025

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Valve Status	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
10/12/2025	12:00:00	6.3	2.661	3.5	677,957	Open	14	288
10/12/2025	12:15:00	6.2	2.650	5	677,996	Open	13.8	286
10/12/2025	12:30:00	6.1	2.199	14.4	678,035	Open	13.9	286
10/12/2025	12:45:00	6	2.631	2	678,068	Open	13.8	286
10/12/2025	13:00:00	5.8	2.210	6.6	678,105	Open	14.2	287
10/12/2025	13:15:00	5.6	2.199	7.9	678,124	Open	14.3	285
10/12/2025	13:30:00	6.1	2.653	8.7	678,153	Open	14	283
10/12/2025	13:45:00	6.1	2.612	8.8	678,184	Open	13.7	281
10/12/2025	14:00:00	6.2	2.615	8.1	678,215	Open	13.6	283
10/12/2025	14:15:00	6.3	2.646	8.4	678,224	Open	13.6	282
10/12/2025	14:30:00	6.4	2.642	6.5	678,264	Open	13.7	283
10/12/2025	14:45:00	6.3	2.824	7.2	678,304	Open	13.8	283
10/12/2025	15:00:00	6.5	2.581	9.6	678,332	Open	13.9	282
10/12/2025	15:15:00	6.5	2.589	7.8	678,359	Open	13.9	281
10/12/2025	15:30:00	6.6	2.604	7.5	678,399	Open	13.8	281
10/12/2025	15:45:00	6.5	2.793	9.3	678,419	Open	14.4	281
10/12/2025	16:00:00	6.6	0.640	8.5	678,440	Closed	14.3	281
10/12/2025	16:15:00	6.5	2.059	10.5	678,469	Open	14	279
10/12/2025	16:30:00	6.2	2.210	3.8	678,505	Open	14.1	278
10/12/2025	16:45:00	6.2	1.548	7.5	678,526	Closed	14.5	278
10/12/2025	17:00:00	5.9	2.642	7.2	678,562	Open	14.4	277
10/12/2025	17:15:00	5.8	2.210	4.1	678,586	Open	14.1	278
10/12/2025	17:30:00	6	0.541	2.3	678,612	Closed	14.3	277
10/12/2025	17:45:00	6	2.790	1.1	678,636	Open	13.9	277
10/12/2025	18:00:00	6.2	2.634	0	678,671	Open	13.7	278



Eagle Mountain- Woodfibre Gas Pipeline Project- Tunnel Scope

Title	WoodFibre Weekly Water Discharge Report	Revision:	0
Data Date Range	October 06,2025 to October 12, 2025	Prepared by: Approved by: Date:	SD BC2 October 28, 2025

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Valve Status	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
10/12/2025	18:15:00	6.4	0.575	0	678,709	Closed	13.5	279
10/12/2025	18:30:00	6.5	2.188	0	678,740	Open	13.4	277
10/12/2025	18:45:00	6.6	0.530	0.3	678,756	Closed	13.8	277
10/12/2025	19:00:00	6.6	2.207	1.1	678,792	Open	13.2	277
10/12/2025	19:15:00	6.6	2.199	0	678,827	Open	13.3	278
10/12/2025	19:30:00	6.6	2.642	0	678,845	Open	13.2	277
10/12/2025	19:45:00	6.6	2.835	5.1	678,881	Open	13.3	277
10/12/2025	20:00:00	6.6	2.638	9.6	678,918	Open	13.2	277
10/12/2025	20:15:00	6.6	2.634	6	678,957	Open	13.1	276
10/12/2025	20:30:00	6.6	2.782	3.4	678,998	Open	13.2	276
10/12/2025	20:45:00	6.6	2.914	1	679,041	Open	13.1	276
10/12/2025	21:00:00	6.6	2.097	0.5	679,079	Open	13.1	279
10/12/2025	21:15:00	6.6	2.752	0.6	679,114	Open	13	279
10/12/2025	21:30:00	6.6	2.740	0.6	679,155	Open	13	277
10/12/2025	21:45:00	6.6	2.294	1.2	679,191	Open	13.1	278
10/12/2025	22:00:00	6.6	2.733	2.6	679,218	Open	13.1	278
10/12/2025	22:15:00	6.6	2.207	1.4	679,257	Open	13.2	277
10/12/2025	22:30:00	6.6	0.424	0.1	679,289	Closed	13.3	277
10/12/2025	22:45:00	6.5	2.627	0	679,312	Open	13.2	279
10/12/2025	23:00:00	6.5	0.379	1.4	679,346	Closed	13.3	278
10/12/2025	23:15:00	6.5	2.627	2.7	679,366	Open	13.3	276
10/12/2025	23:30:00	6.5	2.615	3	679,405	Open	13.2	277
10/12/2025	23:45:00	6.5	2.199	1.5	679,440	Open	13.3	278

Appendix B: Photo

Title	WoodFibre Weekly Water Discharge Report	Revision:	0
Data Date Range	October 06,2025 to October 12, 2025	Prepared by:	SD
		Approved by:	BC2
		Date:	October 28, 2025

Photo 1: No visible sheen observed in the WTP water, October 08



Water Quality Field Data Sheet



Project: FORTIS11234

Location Information

Site ID: DUP - WLNG EOP Date: October 7, 2025
Site Name: East Creek Time: 9:16
Site UTM: Zone: E: _____ Crew: JM
(NAD83) N: _____ Weather: Clear

In Situ Parameters

pH: 6.78 DO: - (mg/L)
Temp.: 11.9 (°C) Cond: 199.8 (us)
Turbidity: 0.08 NTU
Visible Sheen: NA
Water Surface Condition: Clear

Photo Record

Photo unavailable

Observations

DO sensor on water quality meter malfunctioned - no reading.

 Eagle Mountain - Woodfibre Gas Pipeline Project Waste Discharge Permit PE-110163 Report	Reporting Week	Oct 6 th to Oct 12 th , 2025
	Report #	81
	Appendix D	D-1

Appendix D: Woodfibre Site Receiving Environment Documentation

 Eagle Mountain - Woodfibre Gas Pipeline Project Waste Discharge Permit PE-110163 Report	Reporting Week	Oct 6 th to Oct 12 th , 2025
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	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 2025-10-07 09:05:00	WLNG DS 2025-10-07 10:07:00
In situ Parameters									
Field pH	pH Units	6.5 - 9				7 - 8.7		6.92	6.87
Field Temperature	°C	18	19					11.5	11.9
General Parameters									
pH	pH Units							6.43	6.78
Alkalinity (Total as CaCO ₃)	mg/L							7.6	45
Alkalinity (PP as CaCO ₃)	mg/L							<1	<1
Hardness (CaCO ₃)-Total	mg/L							10.3	54
Hardness (CaCO ₃)-Dissolved	mg/L							8.66	55.3
Sulphide-Total	mg/L							<0.0018	<0.0018
Sulphide (as H ₂ S)	mg/L			0.002				<0.002	<0.002
Anions and Nutrients									
Ammonia (N)-Total	mg/L	1.81	20.2		20	131		<0.015	<0.015
Bicarbonate (HCO ₃)	mg/L							9.3	54
Carbonate (CO ₃)	mg/L							<1	<1
Hydroxide (OH)	mg/L							<1	<1
Nitrate (N)	mg/L	3	32.8		3.7			0.059	<0.02
Nitrite (N)	mg/L	0.02	0.06					<0.005	<0.005
Nitrate plus Nitrite (N)	mg/L							0.059	<0.02
Nitrogen (N)-Total	mg/L							0.086	0.134
Phosphorus (P)-Total (4500-P)	mg/L							0.013	0.0033
Bromide (Br)	mg/L							<0.01	0.014
Chloride (Cl)	mg/L	150	600					<1	18
Fluoride (F)	mg/L		0.42			1.5		<0.05	0.19
Sulphate (SO ₄)-Dissolved	mg/L	128						2.7	11
Total Metals									
Aluminum (Al)-Total	mg/L	0.049326						0.545	0.127
Antimony (Sb)-Total	mg/L	0.074	0.25					0.000031	0.000884
Arsenic (As)-Total	mg/L	0.005			0.0125			0.000216	0.0012
Barium (Ba)-Total	mg/L			1				0.0092	0.0122
Beryllium (Be)-Total	mg/L			0.00013			0.1	<0.00001	<0.00001
Bismuth (Bi)-Total	mg/L							<0.00001	<0.000005
Boron (B)-Total	mg/L	1.2			1.2			<0.01	0.015
Cadmium (Cd)-Total	mg/L						0.00012	0.0000158	0.0000103
Calcium (Ca)-Total	mg/L							3.25	20
Cesium (Cs)-Total	mg/L							<0.00005	<0.00005
Chromium (Cr)-Total	mg/L							0.00026	<0.0001
Chromium (Cr III)-Total	mg/L			0.0089			0.056	<0.00099	<0.00099
Chromium (Cr VI)-Total	mg/L			0.0025			0.0015	<0.00099	<0.00099
Cobalt (Co)-Total	mg/L							0.000231	0.0000478
Copper (Cu)-Total	mg/L				0.002	0.003		0.0016	0.000184



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 2025-10-07 09:05:00	WLNG DS 2025-10-07 10:07:00
Total Metals (Cont'd.)									
Iron (Fe)-Total	mg/L		1					0.535	0.0445
Lead (Pb)-Total	mg/L				0.002	0.14		0.000242	0.0000254
Lithium (Li)-Total	mg/L							<0.0005	0.00631
Magnesium (Mg)-Total	mg/L							0.52	0.966
Manganese (Mn)-Total	mg/L	0.65	0.654				0.1	0.0226	0.0328
Mercury (Hg)-Total	mg/L	0.00002			0.00002			<0.0000019	<0.0000019
Molybdenum (Mo)-Total	mg/L	7.6	46					0.000476	0.0237
Nickel (Ni)-Total	mg/L						0.0083	0.00055	0.000239
Phosphorus (P)-Total (ICPMS)	mg/L							0.0441	0.0048
Potassium (K)-Total	mg/L							0.27	3.26
Rubidium (Rb)-Total	mg/L							0.000764	0.00618
Selenium (Se)-Total	mg/L	0.002			0.002			<0.00004	<0.00004
Silicon (Si)-Total	mg/L							5.25	6.29
Silver (Ag)-Total	mg/L	0.00012			0.0005	0.0037	0.0005	<0.00001	<0.000005
Sodium (Na)-Total	mg/L							2.34	9.02
Strontium (Sr)-Total	mg/L							0.0177	0.0473
Sulphur (S)-Total	mg/L							<3	3.7
Tellurium (Te)-Total	mg/L							<0.00002	<0.00002
Thallium (Tl)-Total	mg/L			0.00003				0.000005	0.0000197
Thorium (Th)-Total	mg/L							<0.00005	<0.00005
Tin (Sn)-Total	mg/L							<0.0002	<0.0002
Titanium (Ti)-Total	mg/L							0.018	0.0015
Uranium (U)-Total	mg/L		0.0165	0.0075				0.000154	0.000172
Vanadium (V)-Total	mg/L			0.06			0.005	0.00085	<0.0002
Zinc (Zn)-Total	mg/L				0.01	0.055		0.004	0.0033
Zirconium (Zr)-Total	mg/L							<0.0001	<0.0001
Dissolved Metals									
Aluminum (Al)-Dissolved	mg/L							0.0392	0.0613
Antimony (Sb)-Dissolved	mg/L							0.000023	0.000853
Arsenic (As)-Dissolved	mg/L							0.000108	0.00119
Barium (Ba)-Dissolved	mg/L							0.00509	0.0113
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	0.016
Cadmium (Cd)-Dissolved	mg/L	0.00004	0.000057					0.0000059	0.0000098
Calcium (Ca)-Dissolved	mg/L							2.87	20.6
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						0.0000184	0.0000323
Copper (Cu)-Dissolved	mg/L	0.0002	0.0002					0.000664	0.000078
Iron (Fe)-Dissolved	mg/L		0.35					0.0304	0.0043
Lead (Pb)-Dissolved	mg/L	0.00177						0.0000102	<0.000005
Lithium (Li)-Dissolved	mg/L							<0.0005	0.00637



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 2025-10-07 09:05:00	WLNG DS 2025-10-07 10:07:00
Dissolved Metals (Cont'd.)									
Manganese (Mn)-Dissolved	mg/L							0.000832	0.0258
Magnesium (Mg)-Dissolved	mg/L							0.362	0.957
Mercury (Hg)-Dissolved	mg/L							<0.0000019	<0.0000019
Molybdenum (Mo)-Dissolved	mg/L							0.000453	0.0233
Nickel (Ni)-Dissolved	mg/L	0.0007	0.0117					0.000312	0.00018
Phosphorus (P)-Dissolved	mg/L							0.0081	<0.002
Potassium (K)-Dissolved	mg/L							0.225	3.1
Rubidium (Rb)-Dissolved	mg/L							0.000475	0.00612
Selenium (Se)-Dissolved	mg/L							<0.00004	<0.00004
Silicon (Si)-Dissolved	mg/L							4.22	6.23
Silver (Ag)-Dissolved	mg/L							<0.000005	<0.000005
Sodium (Na)-Dissolved	mg/L							2.19	9.04
Strontium (Sr)-Dissolved	mg/L			1.25				0.0153	0.0481
Sulphur (S)-Dissolved	mg/L							<3	4
Tellurium (Te)-Dissolved	mg/L							<0.00002	<0.00002
Thallium (Tl)-Dissolved	mg/L							0.0000025	0.0000155
Thorium (Th)-Dissolved	mg/L							<0.000005	<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							0.0000636	0.000164
Vanadium (V)-Dissolved	mg/L							0.00021	<0.0002
Zinc (Zn)-Dissolved	mg/L	0.004633	0.008787					0.00109	0.00152
Zirconium (Zr)-Dissolved	mg/L							<0.0001	<0.0001
Inorganics									
Organic Carbon (C)-Total	mg/L							1.9	1.2
Organic Carbon (C)-Dissolved	mg/L							1.9	0.98
Solids-Total Dissolved	mg/L							12	84
Solids-Total Suspended	mg/L	6.6	26.6					1.6	1.2

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

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

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

 Eagle Mountain - Woodfibre Gas Pipeline Project Waste Discharge Permit PE-110163 Report	Reporting Week	Oct 6 th to Oct 12 th , 2025
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Woodfibre Site Receiving Environment Field Notes and Logs

Water Quality Field Data Sheet



Project: FORTIS11234

Location Information

Site ID: WLNG (EAS) DS Date: October 7, 2025
Site Name: East Creek Time: 10:02
Site UTM: Zone: E: _____ Crew: JM
(NAD83) N: _____ Weather: Clear

In Situ Parameters

pH: 6.87 DO: - (mg/L)
Temp.: 11.9 (°C) Cond: 182.9 (us)
Turbidity: 1.91 NTU

Visible Sheen: N

Water Surface Condition: Clear

Photo Record

Photo



Observations

DO sensor on water quality meter malfunctioned - no reading.

Water Quality Field Data Sheet



Project: FORTIS11234

Location Information

Site ID: WLNG (EAS) US Date: October 7, 2025
Site Name: East Creek Time: 8:57
Site UTM: Zone: E: _____ Crew: JM
(NAD83) N: _____ Weather: Clear

In Situ Parameters

pH: 6.92 DO: - (mg/L)
Temp.: 11.5 (°C) Cond: 47.5 (us)
Turbidity: 0.35 NTU
Visible Sheen: N
Water Surface Condition: Clear

Photo Record

Photo



Observations

DO sensor on water quality meter malfunctioned - no reading.

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	2025-10-06 00:00:00	11.996	184.906	0.006	7.814	10.462	10.903	0.087
EAS-DS	2025-10-06 01:00:00	11.941	181.239	0.006	7.806	10.445	7.301	0.086
EAS-DS	2025-10-06 02:00:00	12.022	192.690	0.008	7.793	10.434	7.226	0.091
EAS-DS	2025-10-06 03:00:00	11.944	180.899	0.011	7.782	10.458	14.014	0.085
EAS-DS	2025-10-06 04:00:00	11.813	107.551	0.008	7.687	10.329	1.666	0.050
EAS-DS	2025-10-06 05:00:00	11.897	175.172	0.007	7.777	10.467	6.991	0.083
EAS-DS	2025-10-06 06:00:00	11.924	178.282	0.004	7.797	10.494	6.757	0.084
EAS-DS	2025-10-06 07:00:00	11.820	177.060	0.004	7.794	10.483	6.278	0.084
EAS-DS	2025-10-06 08:00:00	11.589	170.011	0.004	7.798	10.508	2.307	0.080
EAS-DS	2025-10-06 09:00:00	11.488	149.078	0.009	7.737	10.551	6.421	0.070
EAS-DS	2025-10-06 10:00:00	11.863	167.540	0.004	7.793	10.524	5.157	0.079
EAS-DS	2025-10-06 11:00:00							
EAS-DS	2025-10-06 12:00:00	12.358	168.459	0.006	7.802	10.392	2.686	0.080
EAS-DS	2025-10-06 13:00:00							
EAS-DS	2025-10-06 14:00:00							
EAS-DS	2025-10-06 15:00:00	12.716	168.716	0.007	7.825	10.191	2.234	0.080
EAS-DS	2025-10-06 16:00:00	12.572	164.539	0.005	7.815	10.309	3.323	0.078
EAS-DS	2025-10-06 17:00:00	12.765	177.022	0.004	7.838	10.222	7.766	0.084
EAS-DS	2025-10-06 18:00:00	12.484	175.067	0.005	7.831	10.307	5.614	0.083
EAS-DS	2025-10-06 19:00:00	12.296	169.518	0.005	7.817	10.339	7.548	0.080
EAS-DS	2025-10-06 20:00:00	12.234	171.224	0.005	7.805	10.401	5.411	0.081
EAS-DS	2025-10-06 21:00:00		171.271					0.081
EAS-DS	2025-10-06 22:00:00	12.150	178.455	0.008	7.814	10.390	9.793	0.084
EAS-DS	2025-10-06 23:00:00	12.156	177.867	0.011	7.797	10.359	9.483	0.084
EAS-DS	2025-10-07 00:00:00	12.085	173.792	0.009	7.823	10.323	5.943	0.082
EAS-DS	2025-10-07 01:00:00	12.085	175.848	0.018	7.810	10.358	6.916	0.083
EAS-DS	2025-10-07 02:00:00	12.137	177.712	0.010	7.825	10.352	11.023	0.084
EAS-DS	2025-10-07 03:00:00	12.098	178.006	0.010	7.812	10.351	14.139	0.084
EAS-DS	2025-10-07 04:00:00	12.031	179.547	0.008	7.810	10.365	7.233	0.085
EAS-DS	2025-10-07 05:00:00	11.875	151.019	0.017	7.747	10.315	7.274	0.071
EAS-DS	2025-10-07 06:00:00	11.978	180.434	0.009	7.811	10.364	18.138	0.085
EAS-DS	2025-10-07 07:00:00	11.952	178.526	0.009	7.831	10.333	8.864	0.084
EAS-DS	2025-10-07 08:00:00	11.823	172.021	0.010	7.806	10.389	10.407	0.081
EAS-DS	2025-10-07 09:00:00		175.859					0.083
EAS-DS	2025-10-07 10:00:00	11.899	0.073	-0.011	7.746	10.373	1.323	0.000
EAS-DS	2025-10-07 11:00:00	12.107	174.514	0.010	7.781	10.387	15.843	0.082
EAS-DS	2025-10-07 12:00:00	12.177	173.761	0.004	7.785	10.348	16.685	0.082
EAS-DS	2025-10-07 13:00:00		173.077					0.082
EAS-DS	2025-10-07 14:00:00	12.184	170.280	0.003	7.789	10.270	12.784	0.080
EAS-DS	2025-10-07 15:00:00	12.155	167.789	0.005	7.753	10.331	18.737	0.079
EAS-DS	2025-10-07 16:00:00	12.145	162.618	0.003	7.751	10.361	19.125	0.077
EAS-DS	2025-10-07 17:00:00	12.112	163.764	0.005	7.753	10.328	17.436	0.077
EAS-DS	2025-10-07 18:00:00	12.057	159.397	0.003	7.772	10.271	14.797	0.075
EAS-DS	2025-10-07 19:00:00		163.689					0.077
EAS-DS	2025-10-07 20:00:00	11.670	157.530	0.007	7.756	10.438	17.040	0.074
EAS-DS	2025-10-07 21:00:00	11.608	159.892	0.008	7.738	10.476	13.489	0.075
EAS-DS	2025-10-07 22:00:00	11.704	165.389	0.006	7.748	10.442	16.330	0.078
EAS-DS	2025-10-07 23:00:00	11.796	174.380	0.010	7.783	10.419	18.441	0.082
EAS-DS	2025-10-08 00:00:00	11.950	176.757	0.005	7.784	10.368	14.924	0.083
EAS-DS	2025-10-08 01:00:00	12.017	176.572	0.004	7.787	10.335	14.800	0.083
EAS-DS	2025-10-08 02:00:00	12.113	174.559	0.004	7.762	10.315	13.780	0.082

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	2025-10-08 03:00:00		173.812					0.082
EAS-DS	2025-10-08 04:00:00	12.058	104.593	0.011	7.632	10.084	11.158	0.049
EAS-DS	2025-10-08 05:00:00	12.021	160.898	0.006	7.783	10.246	12.503	0.076
EAS-DS	2025-10-08 06:00:00	12.164	168.062	0.004	7.795	10.168	12.174	0.079
EAS-DS	2025-10-08 07:00:00	12.132	161.295	0.005	7.772	10.269	21.729	0.076
EAS-DS	2025-10-08 08:00:00	12.011	172.027	0.005	7.776	10.315	18.251	0.081
EAS-DS	2025-10-08 09:00:00	11.939	171.078	0.004	7.775	10.367	23.737	0.081
EAS-DS	2025-10-08 10:00:00	12.045	173.336	0.003	7.790	10.345	13.465	0.082
EAS-DS	2025-10-08 11:00:00	12.070	168.937	0.003	7.830	10.289	16.041	0.080
EAS-DS	2025-10-08 12:00:00		75.487					0.035
EAS-DS	2025-10-08 13:00:00		153.737					0.072
EAS-DS	2025-10-08 14:00:00	12.205	168.078	0.005	7.797	10.298	28.027	0.079
EAS-DS	2025-10-08 15:00:00	12.290	172.300	0.004	7.843	10.237	13.085	0.081
EAS-DS	2025-10-08 16:00:00	12.330	171.047	0.004	7.853	10.181	13.691	0.081
EAS-DS	2025-10-08 17:00:00	12.380	178.061	0.004	7.845	10.185	15.503	0.084
EAS-DS	2025-10-08 18:00:00	12.214	159.318	0.009	7.790	10.252	29.533	0.075
EAS-DS	2025-10-08 19:00:00	12.198	171.102	0.007	7.788	10.292	16.814	0.081
EAS-DS	2025-10-08 20:00:00	11.993	171.207	0.006	7.783	10.345	23.307	0.081
EAS-DS	2025-10-08 21:00:00	12.013	181.600	0.003	7.785	10.334	17.020	0.086
EAS-DS	2025-10-08 22:00:00	11.941	154.972	0.003	7.796	10.298	20.386	0.073
EAS-DS	2025-10-08 23:00:00		184.876					0.087
EAS-DS	2025-10-09 00:00:00		177.000					0.084
EAS-DS	2025-10-09 01:00:00	11.808	176.045	0.004	7.771	10.399	20.511	0.083
EAS-DS	2025-10-09 02:00:00	11.713	175.584	0.003	7.760	10.446	14.441	0.083
EAS-DS	2025-10-09 03:00:00	11.714	172.338	0.006	7.765	10.424	17.250	0.081
EAS-DS	2025-10-09 04:00:00	11.757	172.261	0.005	7.779	10.417	23.642	0.081
EAS-DS	2025-10-09 05:00:00	11.775	169.242	0.010	7.759	10.440	17.568	0.080
EAS-DS	2025-10-09 06:00:00	11.688	165.893	0.010	7.781	10.450	15.524	0.078
EAS-DS	2025-10-09 07:00:00	11.728	170.493	0.012	7.759	10.462	22.173	0.080
EAS-DS	2025-10-09 08:00:00	11.604	167.485	0.012	7.736	10.491	28.379	0.079
EAS-DS	2025-10-09 09:00:00	11.529	164.191	0.015	7.738	10.535	29.835	0.077
EAS-DS	2025-10-09 10:00:00	11.598	163.411	0.013	7.748	10.482	23.521	0.077
EAS-DS	2025-10-09 11:00:00	11.652	166.616	0.015	7.732	10.520	21.921	0.079
EAS-DS	2025-10-09 12:00:00	11.696	164.358	0.012	7.747	10.475	21.758	0.077
EAS-DS	2025-10-09 13:00:00	11.802	167.580	0.012	7.738	10.459	19.447	0.079
EAS-DS	2025-10-09 14:00:00	11.980	165.068	0.012	7.733	10.387	19.990	0.078
EAS-DS	2025-10-09 15:00:00	12.079	167.646	0.012	7.718	10.372	24.019	0.079
EAS-DS	2025-10-09 16:00:00	12.057	164.833	0.017	7.725	10.354	20.931	0.078
EAS-DS	2025-10-09 17:00:00	12.069	161.891	0.015	7.730	10.351	24.334	0.076
EAS-DS	2025-10-09 18:00:00	11.883	164.663	0.016	7.700	10.405	29.509	0.078
EAS-DS	2025-10-09 19:00:00	11.813	164.155	0.013	7.729	10.419	25.879	0.077
EAS-DS	2025-10-09 20:00:00	11.621	163.425	0.014	7.732	10.465	22.337	0.077
EAS-DS	2025-10-09 21:00:00	11.558	162.577	0.013	7.748	10.485	32.538	0.077
EAS-DS	2025-10-09 22:00:00	11.669	126.067	0.018	7.741	10.321	17.632	0.059
EAS-DS	2025-10-09 23:00:00	11.549	166.271	0.014	7.746	10.506	42.208	0.078
EAS-DS	2025-10-10 00:00:00	11.517	165.054	0.015	7.742	10.508	28.273	0.078
EAS-DS	2025-10-10 01:00:00	11.550	161.933	0.017	7.785	10.471	28.227	0.076
EAS-DS	2025-10-10 02:00:00		156.775					0.074
EAS-DS	2025-10-10 03:00:00	11.427	154.436	0.020	7.792	10.481	21.592	0.073
EAS-DS	2025-10-10 04:00:00	11.466	157.086	0.016	7.809	10.396	19.895	0.074
EAS-DS	2025-10-10 05:00:00	11.549	161.885	0.015	7.793	10.351	21.309	0.076

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	2025-10-10 06:00:00	11.477	161.428	0.016	7.805	10.374	28.908	0.076
EAS-DS	2025-10-10 07:00:00	11.479	159.484	0.016	7.794	10.406	48.756	0.075
EAS-DS	2025-10-10 08:00:00	11.384	152.908	0.017	7.800	10.476	27.131	0.072
EAS-DS	2025-10-10 09:00:00	11.400	154.372	0.017	7.804	10.510	26.962	0.073
EAS-DS	2025-10-10 10:00:00							
EAS-DS	2025-10-10 11:00:00							
EAS-DS	2025-10-10 12:00:00							
EAS-DS	2025-10-10 13:00:00							
EAS-DS	2025-10-10 14:00:00							
EAS-DS	2025-10-10 15:00:00							
EAS-DS	2025-10-10 16:00:00							
EAS-DS	2025-10-10 17:00:00							
EAS-DS	2025-10-10 18:00:00							
EAS-DS	2025-10-10 19:00:00							
EAS-DS	2025-10-10 20:00:00							
EAS-DS	2025-10-10 21:00:00							
EAS-DS	2025-10-10 22:00:00							
EAS-DS	2025-10-10 23:00:00							
EAS-DS	2025-10-11 00:00:00							
EAS-DS	2025-10-11 01:00:00							
EAS-DS	2025-10-11 02:00:00							
EAS-DS	2025-10-11 03:00:00							
EAS-DS	2025-10-11 04:00:00							
EAS-DS	2025-10-11 05:00:00							
EAS-DS	2025-10-11 06:00:00							
EAS-DS	2025-10-11 07:00:00							
EAS-DS	2025-10-11 08:00:00							
EAS-DS	2025-10-11 09:00:00							
EAS-DS	2025-10-11 10:00:00							
EAS-DS	2025-10-11 11:00:00							
EAS-DS	2025-10-11 12:00:00							
EAS-DS	2025-10-11 13:00:00							
EAS-DS	2025-10-11 14:00:00							
EAS-DS	2025-10-11 15:00:00	12.193	136.212	0.263	7.721	10.244	68.728	0.064
EAS-DS	2025-10-11 16:00:00							
EAS-DS	2025-10-11 17:00:00							
EAS-DS	2025-10-11 18:00:00							
EAS-DS	2025-10-11 19:00:00							
EAS-DS	2025-10-11 20:00:00							
EAS-DS	2025-10-11 21:00:00							
EAS-DS	2025-10-11 22:00:00							
EAS-DS	2025-10-11 23:00:00							
EAS-DS	2025-10-12 00:00:00							
EAS-DS	2025-10-12 01:00:00							
EAS-DS	2025-10-12 02:00:00		144.272					0.068
EAS-DS	2025-10-12 03:00:00							
EAS-DS	2025-10-12 04:00:00	11.823	142.345	0.278	7.752	10.329	54.501	0.067
EAS-DS	2025-10-12 05:00:00	11.938	145.603	0.273	7.762	10.303	51.156	0.068
EAS-DS	2025-10-12 06:00:00		147.127					0.069
EAS-DS	2025-10-12 07:00:00	11.851	146.603	0.274	7.765	10.338	73.938	0.069
EAS-DS	2025-10-12 08:00:00	11.657	160.560	0.279	7.749	10.403	102.535	0.076

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	2025-10-12 09:00:00	11.518	155.461	0.282	7.761	10.428	65.835	0.073
EAS-DS	2025-10-12 10:00:00	11.370	172.062	0.285	7.757	10.469	75.435	0.081
EAS-DS	2025-10-12 11:00:00	11.364	189.466	0.291	7.766	10.486	76.189	0.090
EAS-DS	2025-10-12 12:00:00	11.056	187.250	0.293	7.666	10.552	60.602	0.088
EAS-DS	2025-10-12 13:00:00	11.380	167.528	0.291	7.745	10.474	81.895	0.079
EAS-DS	2025-10-12 14:00:00	11.431	148.863	0.296	7.704	10.482	80.479	0.070
EAS-DS	2025-10-12 15:00:00	11.559	140.147	0.298	7.691	10.432	86.348	0.066
EAS-DS	2025-10-12 16:00:00	11.524	133.397	0.298	7.694	10.429	78.258	0.063
EAS-DS	2025-10-12 17:00:00	11.478	132.231	0.302	7.681	10.468	93.548	0.062
EAS-DS	2025-10-12 18:00:00	11.289	128.647	0.304	7.686	10.518	123.525	0.060
EAS-DS	2025-10-12 19:00:00	11.151	128.511	0.305	7.687	10.563	89.163	0.060
EAS-DS	2025-10-12 20:00:00	11.093	123.358	0.304	7.680	10.567	97.075	0.058
EAS-DS	2025-10-12 21:00:00	11.015	126.259	0.304	7.698	10.585	108.586	0.059
EAS-DS	2025-10-12 22:00:00	10.986	131.641	0.307	7.700	10.603	120.809	0.062
EAS-DS	2025-10-12 23:00:00	10.871	125.909	0.306	7.708	10.637	107.770	0.059
EAS-US	2025-10-06 00:00:00	11.983	94.832	0.274	6.537	0.638	0.000	0.044
EAS-US	2025-10-06 01:00:00	11.883	92.534	0.275	6.526	0.835	0.000	0.043
EAS-US	2025-10-06 02:00:00	11.795	92.999	0.282	6.520	0.252	0.000	0.043
EAS-US	2025-10-06 03:00:00	11.698	91.946	0.280	6.516	0.072	0.000	0.043
EAS-US	2025-10-06 04:00:00	11.614	91.596	0.290	6.509	0.052	0.000	0.042
EAS-US	2025-10-06 05:00:00	11.539	93.804	0.274	6.499	0.006	0.000	0.044
EAS-US	2025-10-06 06:00:00	11.456	95.860	0.281	6.484	0.205	0.000	0.044
EAS-US	2025-10-06 07:00:00	11.378	94.954	0.274	6.494	0.483	0.000	0.044
EAS-US	2025-10-06 08:00:00	11.297	93.995	0.283	6.465	0.078	0.000	0.044
EAS-US	2025-10-06 09:00:00	11.292	96.644	0.268	6.471	0.270	0.000	0.045
EAS-US	2025-10-06 10:00:00	11.472	96.440	0.279	6.458	0.341	0.000	0.045
EAS-US	2025-10-06 11:00:00	11.660	94.508	0.281	6.469	0.139	0.000	0.044
EAS-US	2025-10-06 12:00:00	11.833	97.649	0.284	6.473	0.403	0.000	0.045
EAS-US	2025-10-06 13:00:00	12.017	95.662	0.278	6.467	0.000	0.000	0.044
EAS-US	2025-10-06 14:00:00	12.264	94.404	0.280	6.470	0.000	0.000	0.044
EAS-US	2025-10-06 15:00:00	12.399	92.250	0.271	6.481	0.001	0.000	0.043
EAS-US	2025-10-06 16:00:00	12.440	91.101	0.281	6.479	0.000	0.000	0.042
EAS-US	2025-10-06 17:00:00	12.502	88.533	0.274	6.494	0.072	0.000	0.041
EAS-US	2025-10-06 18:00:00	12.509	85.943	0.282	6.493	0.000	0.000	0.040
EAS-US	2025-10-06 19:00:00	12.458	84.220	0.268	6.494	0.000	0.000	0.039
EAS-US	2025-10-06 20:00:00	12.384	84.874	0.284	6.508	0.000	0.000	0.039
EAS-US	2025-10-06 21:00:00	12.283	86.287	0.271	6.498	0.350	0.000	0.040
EAS-US	2025-10-06 22:00:00	12.177	83.076	0.279	6.522	0.036	0.000	0.038
EAS-US	2025-10-06 23:00:00		80.909	0.263	6.486	0.000	0.000	0.037
EAS-US	2025-10-07 00:00:00	11.964	81.090	0.273	6.505	0.000	0.000	0.037
EAS-US	2025-10-07 01:00:00	11.872	79.702	0.265	6.496	0.052	0.000	0.037
EAS-US	2025-10-07 02:00:00	11.785	69.241	0.270	6.477	0.000	0.000	0.032
EAS-US	2025-10-07 03:00:00	11.713	81.771	0.263	6.452	0.000	0.000	0.038
EAS-US	2025-10-07 04:00:00	11.632	83.543	0.267	6.462	0.068	0.000	0.039
EAS-US	2025-10-07 05:00:00	11.554	83.383	0.264	6.459	0.203	0.000	0.038
EAS-US	2025-10-07 06:00:00	11.512	86.087	0.275	6.469	0.425	0.000	0.040
EAS-US	2025-10-07 07:00:00	11.456	85.108	0.268	6.453	0.550	0.000	0.039
EAS-US	2025-10-07 08:00:00	11.416	86.170	0.271	6.459	0.181	0.000	0.040
EAS-US	2025-10-07 09:00:00	11.452	82.384	0.278	6.511	0.106	0.000	0.038
EAS-US	2025-10-07 10:00:00	11.543	84.695	0.282	6.510	0.139	0.000	0.039
EAS-US	2025-10-07 11:00:00	11.705	82.735	0.278	6.450	0.000	0.000	0.038

Woodfibre LNG (East Creek)

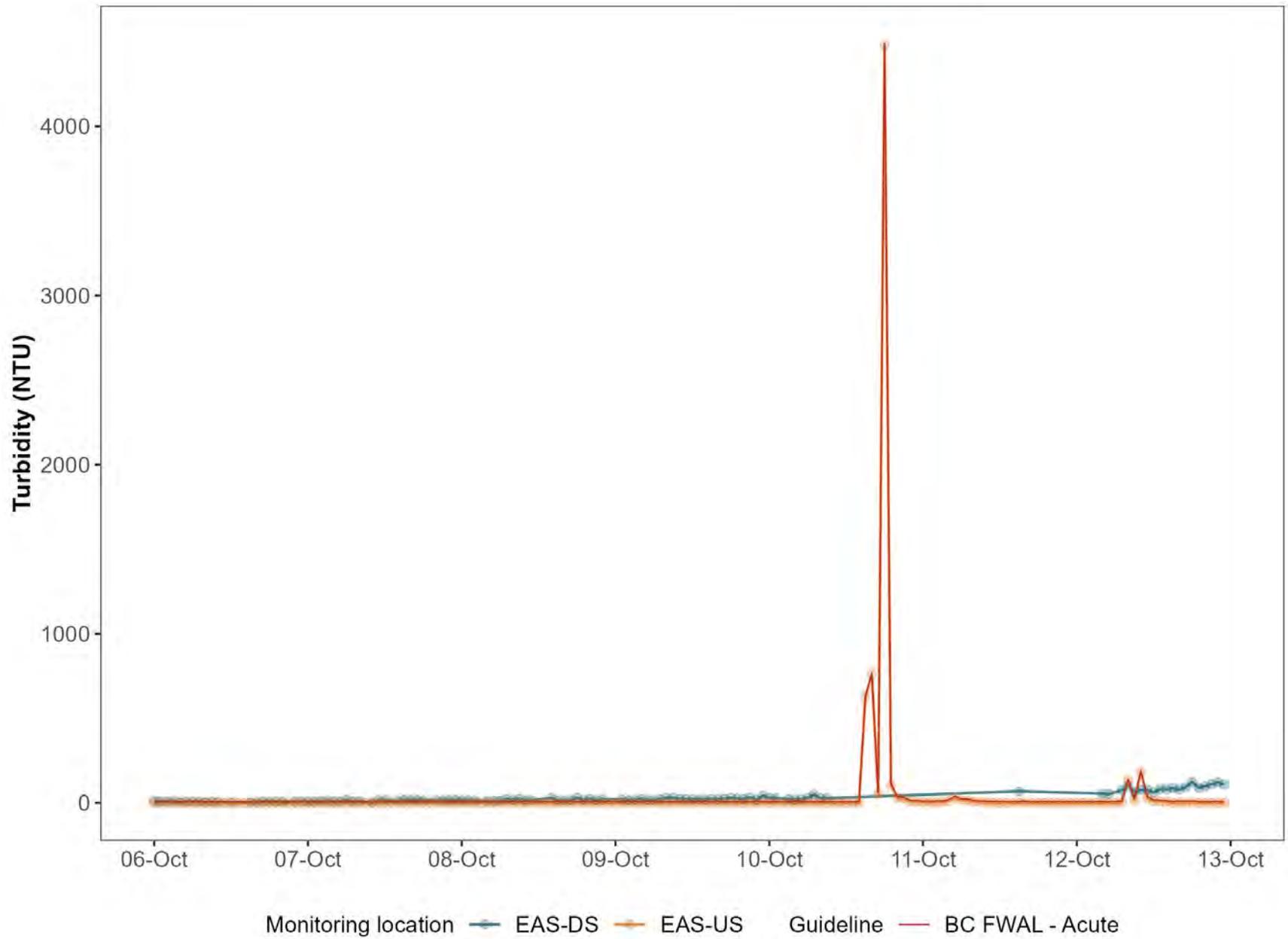
Station	Date/Time	Temperature (C)	Specific Conductivity (µS/cm)	ORP (V)	pH (pH units)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	Salinity (PSU)
EAS-US	2025-10-07 12:00:00	11.840	84.212	0.274	6.429	0.000	0.000	0.039
EAS-US	2025-10-07 13:00:00	11.983	86.417	0.266	6.519	0.042	0.000	0.040
EAS-US	2025-10-07 14:00:00	12.081	83.477	0.266	6.420	0.000	0.000	0.039
EAS-US	2025-10-07 15:00:00	12.141	82.237	0.254	6.496	0.073	0.000	0.038
EAS-US	2025-10-07 16:00:00	12.201	79.007	0.256	6.423	0.035	0.000	0.036
EAS-US	2025-10-07 17:00:00	12.250	79.382	0.264	6.409	0.000	0.000	0.037
EAS-US	2025-10-07 18:00:00	12.275	86.446	0.272	6.402	0.189	0.000	0.040
EAS-US	2025-10-07 19:00:00	12.264	79.649	0.250	6.395	0.000	0.000	0.037
EAS-US	2025-10-07 20:00:00	12.206	76.094	0.267	6.423	0.000	0.000	0.035
EAS-US	2025-10-07 21:00:00	12.130	78.761	0.260	6.402	0.000	0.000	0.036
EAS-US	2025-10-07 22:00:00	12.062	75.209	0.268	6.494	0.000	0.000	0.035
EAS-US	2025-10-07 23:00:00	12.014	73.785	0.261	6.552	0.000	0.000	0.034
EAS-US	2025-10-08 00:00:00	11.989	75.055	0.278	6.608	0.043	0.000	0.034
EAS-US	2025-10-08 01:00:00	11.954	79.574	0.271	6.557	0.097	0.000	0.037
EAS-US	2025-10-08 02:00:00	11.956	77.878	0.271	6.609	0.000	0.000	0.036
EAS-US	2025-10-08 03:00:00	11.954	80.586	0.267	6.575	0.084	0.000	0.037
EAS-US	2025-10-08 04:00:00	11.972	78.928	0.274	6.603	0.044	0.000	0.036
EAS-US	2025-10-08 05:00:00	11.964	80.486	0.271	6.544	0.000	0.000	0.037
EAS-US	2025-10-08 06:00:00	11.942	79.780	0.270	6.580	0.000	0.000	0.037
EAS-US	2025-10-08 07:00:00	11.897	80.639	0.259	6.574	0.000	0.000	0.037
EAS-US	2025-10-08 08:00:00	11.864	76.295	0.270	6.594	0.000	0.000	0.035
EAS-US	2025-10-08 09:00:00	11.853	75.305	0.261	6.558	0.172	0.000	0.035
EAS-US	2025-10-08 10:00:00	11.841	73.233	0.268	6.614	0.147	0.000	0.034
EAS-US	2025-10-08 11:00:00	11.847	74.575	0.264	6.565	0.064	0.000	0.034
EAS-US	2025-10-08 12:00:00	11.884	72.847	0.264	6.603	0.012	0.000	0.033
EAS-US	2025-10-08 13:00:00	11.922	73.563	0.265	6.588	0.053	0.000	0.034
EAS-US	2025-10-08 14:00:00	11.982	71.303	0.265	6.593	1.891	0.000	0.033
EAS-US	2025-10-08 15:00:00	12.060	72.802	0.257	6.589	0.272	0.000	0.033
EAS-US	2025-10-08 16:00:00	12.128	72.810	0.262	6.573	0.123	0.000	0.033
EAS-US	2025-10-08 17:00:00	12.181	69.047	0.257	6.577	0.201	0.000	0.032
EAS-US	2025-10-08 18:00:00	12.171	67.146	0.262	6.560	0.143	0.000	0.031
EAS-US	2025-10-08 19:00:00	12.121	66.864	0.255	6.505	0.084	0.000	0.031
EAS-US	2025-10-08 20:00:00	12.057	66.211	0.257	6.509	0.037	0.000	0.030
EAS-US	2025-10-08 21:00:00	11.987	67.345	0.231	6.474	0.063	0.000	0.031
EAS-US	2025-10-08 22:00:00	11.922	70.116	0.236	6.413	0.021	0.000	0.032
EAS-US	2025-10-08 23:00:00	11.846	77.456	0.237	6.416	0.013	0.000	0.036
EAS-US	2025-10-09 00:00:00	11.776	76.779	0.247	6.459	0.068	0.000	0.035
EAS-US	2025-10-09 01:00:00	11.689	77.827	0.241	6.429	0.021	0.000	0.036
EAS-US	2025-10-09 02:00:00	11.592	78.120	0.246	6.441	0.006	0.000	0.036
EAS-US	2025-10-09 03:00:00	11.497	71.611	0.251	6.521	0.072	0.000	0.033
EAS-US	2025-10-09 04:00:00	11.453	68.785	0.259	6.665	0.038	0.000	0.031
EAS-US	2025-10-09 05:00:00	11.437	70.068	0.257	6.639	0.214	0.000	0.032
EAS-US	2025-10-09 06:00:00	11.435	67.069	0.256	6.691	0.000	0.000	0.031
EAS-US	2025-10-09 07:00:00	11.435	67.898	0.247	6.661	0.159	0.000	0.031
EAS-US	2025-10-09 08:00:00	11.441	67.375	0.241	6.536	0.000	0.000	0.031
EAS-US	2025-10-09 09:00:00	11.468	68.470	0.231	6.495	0.001	0.000	0.031
EAS-US	2025-10-09 10:00:00	11.503	67.176	0.223	6.505	0.021	0.000	0.031
EAS-US	2025-10-09 11:00:00	11.553	70.552	0.223	6.509	0.000	0.000	0.032
EAS-US	2025-10-09 12:00:00	11.653	68.121	0.224	6.540	0.000	0.000	0.031
EAS-US	2025-10-09 13:00:00	11.769	70.238	0.223	6.533	0.000	0.000	0.032
EAS-US	2025-10-09 14:00:00	12.002	68.932	0.233	6.630	0.000	0.000	0.032

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	2025-10-09 15:00:00	12.154	67.487	0.222	6.474	0.000	0.000	0.031
EAS-US	2025-10-09 16:00:00	12.295	66.466	0.216	6.461	0.000	0.000	0.030
EAS-US	2025-10-09 17:00:00	12.394	67.151	0.210	6.484	0.000	0.000	0.031
EAS-US	2025-10-09 18:00:00	12.401	65.511	0.206	6.488	0.000	0.000	0.030
EAS-US	2025-10-09 19:00:00	12.356	66.505	0.220	6.476	0.000	0.000	0.030
EAS-US	2025-10-09 20:00:00	12.302	68.454	0.203	6.483	0.000	0.000	0.031
EAS-US	2025-10-09 21:00:00		67.630	0.205	6.473	0.000	0.000	0.031
EAS-US	2025-10-09 22:00:00	12.188	69.202	0.199	6.471	0.000	0.000	0.032
EAS-US	2025-10-09 23:00:00	12.133	69.863	0.201	6.430	0.000	0.000	0.032
EAS-US	2025-10-10 00:00:00	12.073	69.087	0.185	6.488	0.000	0.000	0.032
EAS-US	2025-10-10 01:00:00	12.018	73.130	0.199	6.523	0.000	0.000	0.034
EAS-US	2025-10-10 02:00:00	11.971	72.243	0.183	6.511	0.055	0.000	0.033
EAS-US	2025-10-10 03:00:00	11.917	72.424	0.186	6.524	0.253	0.000	0.033
EAS-US	2025-10-10 04:00:00	11.876	70.622	0.174	6.560	0.066	0.000	0.032
EAS-US	2025-10-10 05:00:00	11.850	72.013	0.197	6.579	0.210	0.000	0.033
EAS-US	2025-10-10 06:00:00	11.835	69.234	0.185	6.610	0.279	0.000	0.032
EAS-US	2025-10-10 07:00:00	11.814	69.988	0.202	6.594	0.000	0.000	0.032
EAS-US	2025-10-10 08:00:00	11.796	65.132	0.191	6.715	0.000	0.000	0.030
EAS-US	2025-10-10 09:00:00	11.810	64.133	0.200	6.718	0.000	0.000	0.029
EAS-US	2025-10-10 10:00:00	11.860	64.543	0.202	6.735	0.000	0.000	0.029
EAS-US	2025-10-10 11:00:00	11.911	64.587	0.201	6.718	0.000	0.000	0.029
EAS-US	2025-10-10 12:00:00	11.958	61.272	0.192	6.729	0.000	0.000	0.028
EAS-US	2025-10-10 13:00:00	11.996	64.419	0.191	6.665	0.000	0.000	0.029
EAS-US	2025-10-10 14:00:00	12.007	61.742	0.189	6.588	0.000	0.039	0.028
EAS-US	2025-10-10 15:00:00	11.994	106.928	0.192	6.540	0.000	622.735	0.050
EAS-US	2025-10-10 16:00:00	12.035	158.645	0.209	6.826	0.000	759.563	0.075
EAS-US	2025-10-10 17:00:00	12.026	165.402	0.207	6.527	0.000	51.038	0.078
EAS-US	2025-10-10 18:00:00	12.001	170.991	0.222	7.404	0.159	4481.321	0.081
EAS-US	2025-10-10 19:00:00	11.990	166.301	0.202	7.197	0.000	105.903	0.078
EAS-US	2025-10-10 20:00:00		153.271	0.209	7.204	0.000	28.878	0.072
EAS-US	2025-10-10 21:00:00	11.986	156.399	0.182	7.099	0.000	24.273	0.074
EAS-US	2025-10-10 22:00:00	12.001	165.737	0.221	7.216	0.000	8.330	0.078
EAS-US	2025-10-10 23:00:00	12.006	164.025	0.213	7.211	0.014	5.903	0.077
EAS-US	2025-10-11 00:00:00	11.993	160.475	0.182	7.342	0.000	3.727	0.076
EAS-US	2025-10-11 01:00:00	11.981	158.634	0.180	7.273	0.045	3.305	0.075
EAS-US	2025-10-11 02:00:00	11.965	147.661	0.178	7.250	0.021	3.917	0.069
EAS-US	2025-10-11 03:00:00	11.945	140.755	0.189	7.154	0.052	4.381	0.066
EAS-US	2025-10-11 04:00:00	11.922	143.692	0.175	7.267	0.092	10.727	0.068
EAS-US	2025-10-11 05:00:00	11.885	148.863	0.170	7.222	0.000	33.422	0.070
EAS-US	2025-10-11 06:00:00	11.859	157.831	0.172	7.212	0.014	14.778	0.074
EAS-US	2025-10-11 07:00:00	11.889	181.490	0.189	7.483	0.113	14.615	0.086
EAS-US	2025-10-11 08:00:00	11.921	189.838	0.212	7.440	0.089	6.499	0.090
EAS-US	2025-10-11 09:00:00	11.932	188.708	0.245	7.387	0.018	3.348	0.089
EAS-US	2025-10-11 10:00:00	11.962	179.076	0.251	7.349	0.112	2.161	0.085
EAS-US	2025-10-11 11:00:00	11.986	171.272	0.236	7.192	0.005	1.619	0.081
EAS-US	2025-10-11 12:00:00	12.052	160.783	0.230	7.212	0.000	0.535	0.076
EAS-US	2025-10-11 13:00:00	12.117	151.433	0.242	7.074	0.000	0.583	0.071
EAS-US	2025-10-11 14:00:00	12.265	139.436	0.262	7.129	0.000	0.482	0.066
EAS-US	2025-10-11 15:00:00	12.405	132.623	0.243	7.012	0.000	0.747	0.062
EAS-US	2025-10-11 16:00:00	12.471	120.445	0.253	7.090	0.000	2.402	0.056
EAS-US	2025-10-11 17:00:00	12.479	124.928	0.241	7.015	0.000	0.244	0.059

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	2025-10-11 18:00:00	12.396	114.727	0.232	7.112	0.000	0.347	0.054
EAS-US	2025-10-11 19:00:00	12.293	108.461	0.225	7.068	0.000	0.823	0.051
EAS-US	2025-10-11 20:00:00		103.743	0.245	6.987	0.000	0.326	0.048
EAS-US	2025-10-11 21:00:00	12.151	96.776	0.246	6.929	0.000	0.000	0.045
EAS-US	2025-10-11 22:00:00	12.071	93.283	0.240	7.025	0.062	0.033	0.043
EAS-US	2025-10-11 23:00:00	11.960	96.049	0.233	6.881	0.028	0.000	0.045
EAS-US	2025-10-12 00:00:00	11.872	89.307	0.237	6.965	0.071	0.000	0.041
EAS-US	2025-10-12 01:00:00	11.810	87.780	0.239	6.860	0.045	0.000	0.041
EAS-US	2025-10-12 02:00:00	11.779	90.362	0.213	6.934	0.000	1.023	0.042
EAS-US	2025-10-12 03:00:00	11.763	92.668	0.186	6.842	0.000	0.000	0.043
EAS-US	2025-10-12 04:00:00	11.741	92.647	0.185	6.970	0.000	0.000	0.043
EAS-US	2025-10-12 05:00:00	11.724	94.407	0.169	6.864	0.000	0.000	0.044
EAS-US	2025-10-12 06:00:00	11.681	91.164	0.190	6.954	0.000	0.240	0.042
EAS-US	2025-10-12 07:00:00	11.566	74.943	0.190	6.705	0.000	2.794	0.034
EAS-US	2025-10-12 08:00:00	11.327	126.110	0.191	7.275	0.074	132.619	0.059
EAS-US	2025-10-12 09:00:00	11.208	139.963	0.210	7.291	0.000	17.260	0.066
EAS-US	2025-10-12 10:00:00	10.922	195.674	0.259	7.485	0.000	182.753	0.092
EAS-US	2025-10-12 11:00:00	11.028	232.166	0.302	7.296	0.009	29.056	0.110
EAS-US	2025-10-12 12:00:00	11.084	229.122	0.330	7.471	0.032	9.936	0.109
EAS-US	2025-10-12 13:00:00	11.099	206.158	0.331	7.236	0.109	9.028	0.098
EAS-US	2025-10-12 14:00:00	11.225	183.554	0.333	7.328	0.237	4.931	0.087
EAS-US	2025-10-12 15:00:00	11.397	167.952	0.339	7.247	0.172	1.169	0.079
EAS-US	2025-10-12 16:00:00	11.453	153.973	0.337	7.217	0.228	1.609	0.072
EAS-US	2025-10-12 17:00:00	11.408	143.512	0.336	7.145	0.712	2.101	0.067
EAS-US	2025-10-12 18:00:00	11.266	133.537	0.334	7.123	0.654	3.410	0.063
EAS-US	2025-10-12 19:00:00		127.631	0.318	7.051	1.178	0.538	0.060
EAS-US	2025-10-12 20:00:00	10.932	119.536	0.304	7.082	4.109	0.735	0.056
EAS-US	2025-10-12 21:00:00	10.817	115.470	0.299	7.049	0.633	0.168	0.054
EAS-US	2025-10-12 22:00:00	10.714	111.310	0.298	7.044	0.785	1.375	0.052
EAS-US	2025-10-12 23:00:00	10.636	108.500	0.304	7.023	0.038	0.358	0.051



 Eagle Mountain - Woodfibre Gas Pipeline Project Waste Discharge Permit PE-110163 Report	Reporting Week	Oct 6 th to Oct 12 th , 2025
	Report #	81
	Appendix E	E-1

Appendix E: Lab Documentation



RESULTS OF RAINBOW TROUT LC50 MULTI-CONCENTRATION

Client : 12239 Fortis BC Energy Inc, Surrey
Client Project Name & Number: WOODFIBRE PIPELINE PROJECT FORTIS11234/PE-110163

Job Number: C584257

Test Result:

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

Sample Name : WLNG -EOP

Description: Clear, colourless **Sample Number:** DUL087-14
Sample Collected: Oct 07, 2025 **Sampling Method :** N/A **Site Collection:** N/A
Sample Collected By: N/A **Volume Received:** 4 x ECO10 **Avg Temp Arrival:** 15 °C **Storage:** 2-6°C
Sample Received: Oct 07, 2025 03:45 PM **pH:** 7.4 **Dissolved Oxygen:** 10.4 mg/L
Analysis Start : Oct 09, 2025 03:43 PM **Temperature :** 14 °C **Sample Conductance:** 179 µS/cm

Concentration	Temperature (°C)	Temperature (°C)	Dissolved Oxygen (mg/L)	Dissolved Oxygen (mg/L)	pH	pH	Conductivity (uS/cm)	Mortality (#)	Mortality (%)	Atypical Behaviour (#)
% vol/vol	Initial	96 hrs	Initial	96 hrs	Initial	96 hrs	Initial	96 hrs	96 hrs	96 hrs
0	15	15	10.2	9.9	7.7	7.6	51	0	0	0
6.25	15	15	10.1	9.6	7.5	7.5	57	0	0	0
12.5	15	15	10.2	9.7	7.5	7.5	67	0	0	0
25	15	15	10.2	9.6	7.5	7.5	83	0	0	0
50	14	15	10.2	9.8	7.5	7.6	115	0	0	0
100	14	15	10.2	9.7	7.5	7.6	179	0	0	0

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

Culture/Control/Dilution Water Burnaby Municipal Dechlorinated Water

Hardness: 24 mg/L CaCO₃ Other parameters available on request.

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

Organisms per Vessel : 10 **Test Temperature :** 15 ± 1 °C **Solution Depth :** >15 cm
Total # of Organisms Used : 60 **Pre-aeration Time :** 120 min. **Rate of Aeration** 6.5±1 mL/(min*L)
Test Volume : 18 L **Vessel Volume :** 20L **Test pH Adjusted:** No
Loading Density : 0.3 g/L **Photoperiod :** 16:8 (light: dark)

Test Organism : Rainbow Trout (*Oncorhynchus mykiss*) **Source :** Aqua Farm
Culture Temperature : 15 ± 2 °C **Weight (Mean) +- SD :** 0.5 ± 0.2 g **Length (Mean) +- SD :** 4.02 ± 0.36 cm
Culture Water Renewal : ≥ 1L/min/kg fish **Weight (Range) :** 0.4 – 1.0 g **Length (Range) :** 3.70 – 4.90 cm
Culture Photoperiod : 16:8 (light: dark) **% Mortality within 7 days :** 0%
Feeding rate and frequency : daily: 1-5% biomass of trout. **Acclimation Time:** >14 days

Reference chemical: Zinc **Test Date:** Sep 29, 2025
Test Endpoint 96 hrs LC50 (95% confidence interval) : 0.37 (0.26, 0.58)mg/L **Statistical Method :** Probit
Historical Mean LC50 (warning limits) : 0.19 (0.09, 0.41) mg/L **Concentration :** 0,0.04,0.08,0.16,0.32,0.64 mg/L

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

Method Deviations : None.

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

Analyst : Larissa dos Santos Soares, Melanie Mazziotti

Verified By : Kimberly Tamaki, Scientist, Ecotoxicology

Date: Oct 22, 2025 02:44 PM



Your P.O. #: 4800010213
 Your Project #: FORTIS11234/PE-110163
 Site Location: WOODFIBRE PIPELINE PROJECT
 Your C.O.C. #: 115557

Attention: Saeesh Mangwani

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

Report Date: 2025/10/22
 Report #: R3724088
 Version: 2 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C584257

Received: 2025/10/07, 15:45

Sample Matrix: Water
 # Samples Received: 8

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
Alkalinity @25C (pp, total), CO3,HCO3,OH	7	N/A	2025/10/11	BBY6SOP-00026	SM 24 2320 B m
Alkalinity @25C (pp, total), CO3,HCO3,OH	1	N/A	2025/10/14	BBY6SOP-00026	SM 24 2320 B m
Chloride/Sulphate by Auto Colourimetry	7	N/A	2025/10/10	BBY6SOP-00011 / BBY6SOP-00017	SM24-4500-Cl/SO4-E m
Chloride/Sulphate by Auto Colourimetry	1	N/A	2025/10/15	BBY6SOP-00011 / BBY6SOP-00017	SM24-4500-Cl/SO4-E m
Chromium III (Calc'd)	6	N/A	2025/10/15		
Chromium III (Calc'd)	2	N/A	2025/10/16		
Total Hexavalent Chromium	8	N/A	2025/10/15	BBY6SOP-00054	SM 24 3500-Cr B m
Carbon (DOC) -Lab Filtered (2)	8	N/A	2025/10/10	BBY6SOP-00053	SM 24 5310 B m
Fluoride	8	N/A	2025/10/14	BBY6SOP-00037	SM 24 4500-F C m
Glycols in Water by GC/FID (1)	2	N/A	2025/10/14	CAL SOP-00093	BCMOE Glycols 09/17
Sulphide (as H2S) (1)	8	N/A	2025/10/14		Auto Calc
Un-ionized Hydrogen Sulphide as S Calc	6	N/A	2025/10/15	BBY WI-00033	Auto Calc
Hardness Total (calculated as CaCO3) (3)	4	N/A	2025/10/10	BBY WI-00033	Auto Calc
Hardness Total (calculated as CaCO3) (3)	2	N/A	2025/10/14	BBY WI-00033	Auto Calc
Hardness Total (calculated as CaCO3) (3)	2	N/A	2025/10/16	BBY WI-00033	Auto Calc
Hardness (calculated as CaCO3)	8	N/A	2025/10/15	BBY WI-00033	Auto Calc
Mercury (Dissolved) by CV-Lab Filtered	8	2025/10/09	2025/10/10	BBY7SOP-00032	BCMOE LM 2023 C1.1.3
Mercury (Total) by CV	8	2025/10/10	2025/10/10	BBY7SOP-00032	BCMOE LM 2023 C1.1.3
Bromide as Bromine (Br) by ICPMS	8	N/A	2025/10/14	BBY7SOP-00002	EPA 6020B R2 m
EPH in Water when PAH required	2	2025/10/11	2025/10/11	BBY8SOP-00029	BCMOE BCLM Sep2017 m
Na, K, Ca, Mg, S by CRC ICPMS (diss.)	8	N/A	2025/10/15	BBY WI-00033	Auto Calc
Elements by ICPMS Low Level (lab filter) (4)	8	N/A	2025/10/14	BBY7SOP-00002	EPA 6020b R2 m
Elements by ICPMS Digested LL (total)	2	2025/10/10	2025/10/10	BBY7SOP-00003 / BBY7SOP-00002	EPA 6020b R2 m
Elements by ICPMS Digested LL (total)	2	2025/10/10	2025/10/16	BBY7SOP-00003 / BBY7SOP-00002	EPA 6020b R2 m
Na, K, Ca, Mg, S by CRC ICPMS (total)	4	N/A	2025/10/10	BBY WI-00033	Auto Calc
Na, K, Ca, Mg, S by CRC ICPMS (total)	2	N/A	2025/10/14	BBY WI-00033	Auto Calc
Na, K, Ca, Mg, S by CRC ICPMS (total)	2	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. #: 115557

Attention: Saeesh Mangwani

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Received: 2025/10/07, 15:45

Sample Matrix: Water
 # Samples Received: 8

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
Elements by ICPMS Low Level (total)	4	N/A	2025/10/10	BBY7SOP-00002	EPA 6020b R2 m
Nitrogen (Total)	8	N/A	2025/10/10	BBY6SOP-00016	SM 24 4500-N C m
Ammonia-N (Total)	8	N/A	2025/10/11	AB SOP-00007	SM 24 4500 NH3 A G m
Nitrate + Nitrite (N)	7	N/A	2025/10/10	BBY6SOP-00010	SM 24 4500-NO3- H m
Nitrate + Nitrite (N)	1	N/A	2025/10/15	BBY6SOP-00010	SM 24 4500-NO3- H m
Nitrite (N) Regular Level Water	7	N/A	2025/10/10	BBY6SOP-00010	SM 24 4500-NO2- m
Nitrite (N) Regular Level Water	1	N/A	2025/10/15	BBY6SOP-00010	SM 24 4500-NO2- m
Nitrogen - Nitrate (as N)	7	N/A	2025/10/14	BBY WI-00033	Auto Calc
Nitrogen - Nitrate (as N)	1	N/A	2025/10/15	BBY WI-00033	Auto Calc
PAH in Water by GC/MS (SIM)	2	2025/10/11	2025/10/13	BBY8SOP-00021	BCMOE BCLM Jul2017m
Total LMW, HMW, Total PAH Calc (5)	2	N/A	2025/10/14	BBY WI-00033	Auto Calc
pH @25°C (6)	7	N/A	2025/10/11	BBY6SOP-00026	SM 24 4500-H+ B m
pH @25°C (6)	1	N/A	2025/10/14	BBY6SOP-00026	SM 24 4500-H+ B m
Phenols (4-AAP) (1)	2	N/A	2025/10/14	AB SOP-00088	EPA 9066 R0 m
Rainbow Trout LC50 Multi-concentration	1	N/A	2025/10/09	BBY2SOP-00004	EPS1/RM/13(2nd)&RM/9
Total Sulphide (1)	8	2025/10/14	2025/10/14	AB SOP-00080	SM 24 4500 S2-A D Fm
Total Dissolved Solids (Filt. Residue)	6	2025/10/10	2025/10/14	BBY6SOP-00033	SM 24 2540 C m
Total Dissolved Solids (Filt. Residue)	2	2025/10/09	2025/10/14	BBY6SOP-00033	SM 24 2540 C m
EPH less PAH in Water by GC/FID (7)	2	N/A	2025/10/14	BBY WI-00033	Auto Calc
Carbon (Total Organic) (8)	3	N/A	2025/10/10	BBY6SOP-00053	SM 24 5310 B m
Carbon (Total Organic) (8)	5	N/A	2025/10/11	BBY6SOP-00053	SM 24 5310 B m
Total Phosphorus Low Level Total	8	2025/10/10	2025/10/11	BBY6SOP-00013	SM 24 4500-P E m
Total Suspended Solids (NFR)	3	2025/10/11	2025/10/14	BBY6SOP-00034	SM 24 2540 D m
Total Suspended Solids (NFR)	5	2025/10/14	2025/10/15	BBY6SOP-00034	SM 24 2540 D m
Field pH	6	N/A	2025/10/10	Field Test	Field Test
Field Temperature	6	N/A	2025/10/10	Field Test	Field Test
VOCs, VH, F1, LH in Water by HS GC/MS	2	N/A	2025/10/16	BBY8SOP-00009 / BBY8SOP-00011 / BBY8SOP-00012	BCMOE BCLM Jul2017 m
Volatile HC-BTEX (9)	2	N/A	2025/10/16	BBY WI-00033	Auto Calc

Remarks:



Your P.O. #: 4800010213
Your Project #: FORTIS11234/PE-110163
Site Location: WOODFIBRE PIPELINE PROJECT
Your C.O.C. #: 115557

Attention: Saeesh Mangwani

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

Report Date: 2025/10/22
Report #: R3724088
Version: 2 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C584257

Received: 2025/10/07, 15:45

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

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

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

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



Your P.O. #: 4800010213
Your Project #: FORTIS11234/PE-110163
Site Location: WOODFIBRE PIPELINE PROJECT
Your C.O.C. #: 115557

Attention: Saeesh Mangwani

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

Report Date: 2025/10/22
Report #: R3724088
Version: 2 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C584257

Received: 2025/10/07, 15:45

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

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



BUREAU VERITAS

Bureau Veritas Job #: C584257
Report Date: 2025/10/22

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

RESULTS OF CHEMICAL ANALYSES OF WATER

Bureau Veritas ID		DUL086			DUL086			DUL087		
Sampling Date		2025/10/07			2025/10/07			2025/10/07		
COC Number		115557			115557			115557		
	UNITS	WLNG-DS	RDL	QC Batch	WLNG-DS Lab-Dup	RDL	QC Batch	WLNG -EOP	RDL	QC Batch
ANIONS										
Nitrite (N)	mg/L	ND	0.0050	C119701				ND	0.0050	C119701
Calculated Parameters										
Total Chromium III	mg/L	ND	0.00099	C116368				ND	0.00099	C116368
Dissolved Hardness (CaCO3)	mg/L	55.3	0.50	C115235				57.9	0.50	C115525
Total Hardness (CaCO3)	mg/L	54.0	0.50	C115211				57.5	0.50	C115524
Nitrate (N)	mg/L	ND	0.020	C115523				ND	0.020	C115523
Sulphide (as H2S)	mg/L	ND	0.0020	C115159				ND	0.0020	C115159
Field Parameters										
Field pH	pH	6.87	N/A	ONSITE				6.78	N/A	ONSITE
Field Temperature	°C	11.9	N/A	ONSITE				11.9	N/A	ONSITE
Misc. Inorganics										
pH	pH	6.78	N/A	C120500				7.14	N/A	C120500
Total Organic Carbon (C)	mg/L	1.2	0.50	C119596	1.1	0.50	C119596	0.96	0.50	C119596
Total Dissolved Solids	mg/L	84	10	C119602				96	10	C119602
Total Suspended Solids	mg/L	1.2	1.0	C122742	1.2	1.0	C122742	ND	1.0	C121170
Lab Filtered Inorganics										
Dissolved Organic Carbon (C)	mg/L	0.98	0.50	C119425				0.79	0.50	C119425
Anions										
Alkalinity (PP as CaCO3)	mg/L	ND	1.0	C120505				ND	1.0	C120505
Alkalinity (Total as CaCO3)	mg/L	45	1.0	C120505				48	1.0	C120505
Bicarbonate (HCO3)	mg/L	54	1.0	C120505				58	1.0	C120505
Carbonate (CO3)	mg/L	ND	1.0	C120505				ND	1.0	C120505
Fluoride (F)	mg/L	0.19	0.050	C122701				0.20	0.050	C122701
Hydroxide (OH)	mg/L	ND	1.0	C120505				ND	1.0	C120505
Total Sulphide	mg/L	ND	0.0018	C122415				ND	0.0018	C122415
Chloride (Cl)	mg/L	18	1.0	C119863				17	1.0	C119863
Sulphate (SO4)	mg/L	11	1.0	C119863				12	1.0	C119863
Metals										
Total Hex. Chromium (Cr 6+)	mg/L	ND	0.00099	C124216				ND	0.00099	C124216
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										



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Bureau Veritas Job #: C584257
Report Date: 2025/10/22

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

RESULTS OF CHEMICAL ANALYSES OF WATER

Bureau Veritas ID		DUL086			DUL086			DUL087		
Sampling Date		2025/10/07			2025/10/07			2025/10/07		
COC Number		115557			115557			115557		
	UNITS	WLNG-DS	RDL	QC Batch	WLNG-DS Lab-Dup	RDL	QC Batch	WLNG -EOP	RDL	QC Batch
Nutrients										
Total Ammonia (N)	mg/L	ND	0.015	C121338				ND	0.015	C121330
Total Phosphorus (P)	mg/L	0.0033	0.0010	C119957				0.0036	0.0010	C119957
Nitrate plus Nitrite (N)	mg/L	ND	0.020	C119690				ND	0.020	C119690
Total Nitrogen (N)	mg/L	0.134	0.020	C117753				0.139	0.020	C117753
Misc. Organics										
Phenols	mg/L							ND	0.0015	C122391
Rainbow Trout										
LC50	% vol/vol							ATTACHED	N/A	C118984
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										



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Bureau Veritas Job #: C584257
Report Date: 2025/10/22

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

RESULTS OF CHEMICAL ANALYSES OF WATER

Bureau Veritas ID		DUL088	DUL089		DUL090			DUL091		
Sampling Date		2025/10/07	2025/10/07		2025/10/07			2025/10/07		
COC Number		115557	115557		115557			115557		
	UNITS	WLNG-US	SQRI-US	QC Batch	SQRI-DS	RDL	QC Batch	Field Blank	RDL	QC Batch

ANIONS

Nitrite (N)	mg/L	ND	ND	C119701	ND	0.0050	C119701	ND	0.0050	C119701
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Calculated Parameters

Total Chromium III	mg/L	ND	ND	C116368	ND	0.00099	C116368	ND	0.00099	C116368
Dissolved Hardness (CaCO3)	mg/L	8.66	15.6	C115525	14.7	0.50	C115525	ND	0.50	C115525
Total Hardness (CaCO3)	mg/L	10.3	18.4	C115524	15.7	0.50	C115524	ND	0.50	C115524
Nitrate (N)	mg/L	0.059	0.084	C115523	0.062	0.020	C115523	ND	0.020	C115523
Sulphide (as H2S)	mg/L	ND	ND	C115159	ND	0.0020	C115159	ND	0.0020	C115159

Field Parameters

Field pH	pH	6.92	6.44	ONSITE	6.59	N/A	ONSITE			
Field Temperature	°C	11.5	10.6	ONSITE	11.3	N/A	ONSITE			

Misc. Inorganics

pH	pH	6.43	6.55	C120500	6.49	N/A	C120500	6.27	N/A	C120500
Total Organic Carbon (C)	mg/L	1.9	0.94	C119596	0.97	0.50	C119596	ND	0.50	C119596
Total Dissolved Solids	mg/L	12	24	C119602	20	10	C119602	ND	10	C119602
Total Suspended Solids	mg/L	1.6	62	C122742	31	1.0	C121170	ND	1.0	C122742

Lab Filtered Inorganics

Dissolved Organic Carbon (C)	mg/L	1.9	0.92	C119425	0.91	0.50	C119425	ND	0.50	C119425
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Anions

Alkalinity (PP as CaCO3)	mg/L	ND	ND	C120505	ND	1.0	C120505	ND	1.0	C120505
Alkalinity (Total as CaCO3)	mg/L	7.6	17	C120505	13	1.0	C120505	ND	1.0	C120505
Bicarbonate (HCO3)	mg/L	9.3	21	C120505	16	1.0	C120505	ND	1.0	C120505
Carbonate (CO3)	mg/L	ND	ND	C120505	ND	1.0	C120505	ND	1.0	C120505
Fluoride (F)	mg/L	ND	ND	C122701	ND	0.050	C122701	ND	0.050	C122701
Hydroxide (OH)	mg/L	ND	ND	C120505	ND	1.0	C120505	ND	1.0	C120505
Total Sulphide	mg/L	ND	ND	C122415	ND	0.0018	C122415	ND	0.0018	C122415
Chloride (Cl)	mg/L	ND	ND	C119863	ND	1.0	C119863	ND	1.0	C119863
Sulphate (SO4)	mg/L	2.7	4.2	C119863	3.9	1.0	C119863	ND	1.0	C119863

Metals

Total Hex. Chromium (Cr 6+)	mg/L	ND	ND	C124216	ND	0.00099	C124216	ND	0.00099	C124216
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RDL = Reportable Detection Limit
 ND = Not Detected at a concentration equal or greater than the indicated Detection Limit.
 N/A = Not Applicable



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Bureau Veritas Job #: C584257

Report Date: 2025/10/22

HATFIELD CONSULTANTS

Client Project #: FORTIS11234/PE-110163

Site Location: WOODFIBRE PIPELINE PROJECT

Your P.O. #: 4800010213

RESULTS OF CHEMICAL ANALYSES OF WATER

Bureau Veritas ID		DUL088	DUL089		DUL090			DUL091		
Sampling Date		2025/10/07	2025/10/07		2025/10/07			2025/10/07		
COC Number		115557	115557		115557			115557		
	UNITS	WLNG-US	SQRI-US	QC Batch	SQRI-DS	RDL	QC Batch	Field Blank	RDL	QC Batch

Nutrients										
Total Ammonia (N)	mg/L	ND	0.092	C121330	0.056	0.015	C121338	ND	0.015	C121338
Total Phosphorus (P)	mg/L	0.013	0.078	C119957	0.083	0.0010	C119957	0.0019	0.0010	C119957
Nitrate plus Nitrite (N)	mg/L	0.059	0.084	C119690	0.062	0.020	C119690	ND	0.020	C119690
Total Nitrogen (N)	mg/L	0.086	0.177	C117753	0.141	0.020	C117753	ND (1)	0.020	C117753

RDL = Reportable Detection Limit

ND = Not Detected at a concentration equal or greater than the indicated Detection Limit.

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



RESULTS OF CHEMICAL ANALYSES OF WATER

Bureau Veritas ID		DUL091			DUL092			DUL093		
Sampling Date		2025/10/07			2025/10/07			2025/10/07		
COC Number		115557			115557			115557		
	UNITS	Field Blank Lab-Dup	RDL	QC Batch	Trip Blank	RDL	QC Batch	DUP	RDL	QC Batch
ANIONS										
Nitrite (N)	mg/L				ND	0.0050	C119701	ND	0.0050	C124285
Calculated Parameters										
Total Chromium III	mg/L				ND	0.00099	C116368	ND	0.00099	C116366
Dissolved Hardness (CaCO3)	mg/L				ND	0.50	C115525	57.4	0.50	C115525
Total Hardness (CaCO3)	mg/L				ND	0.50	C115524	60.6	0.50	C115524
Nitrate (N)	mg/L				ND	0.020	C115523	ND	0.020	C115523
Sulphide (as H2S)	mg/L				ND	0.0020	C115159	ND	0.0020	C115159
Field Parameters										
Field pH	pH							6.78	N/A	ONSITE
Field Temperature	°C							11.9	N/A	ONSITE
Misc. Inorganics										
pH	pH				5.67	N/A	C120500	7.07	N/A	C123134
Total Organic Carbon (C)	mg/L				ND	0.50	C119596	1.1	0.50	C119596
Total Dissolved Solids	mg/L				ND	10	C119602	110	10	C119602
Total Suspended Solids	mg/L				ND	1.0	C122742	1.2	1.0	C121170
Lab Filtered Inorganics										
Dissolved Organic Carbon (C)	mg/L				ND	0.50	C119425	0.83	0.50	C119425
Anions										
Alkalinity (PP as CaCO3)	mg/L				ND	1.0	C120505	ND	1.0	C123116
Alkalinity (Total as CaCO3)	mg/L				ND	1.0	C120505	48	1.0	C123116
Bicarbonate (HCO3)	mg/L				ND	1.0	C120505	58	1.0	C123116
Carbonate (CO3)	mg/L				ND	1.0	C120505	ND	1.0	C123116
Fluoride (F)	mg/L				ND	0.050	C122701	0.19	0.050	C123164
Hydroxide (OH)	mg/L				ND	1.0	C120505	ND	1.0	C123116
Total Sulphide	mg/L				ND	0.0018	C122415	ND	0.0018	C122415
Chloride (Cl)	mg/L				ND	1.0	C119674	18	1.0	C124805
Sulphate (SO4)	mg/L				ND	1.0	C119674	12	1.0	C124805
Metals										
Total Hex. Chromium (Cr 6+)	mg/L				ND	0.00099	C124216	ND	0.00099	C124216
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		DUL091			DUL092			DUL093		
Sampling Date		2025/10/07			2025/10/07			2025/10/07		
COC Number		115557			115557			115557		
	UNITS	Field Blank Lab-Dup	RDL	QC Batch	Trip Blank	RDL	QC Batch	DUP	RDL	QC Batch
Nutrients										
Total Ammonia (N)	mg/L				ND	0.015	C121330	ND	0.015	C121338
Total Phosphorus (P)	mg/L	0.0012	0.0010	C119957	0.0013	0.0010	C119957	0.0029	0.0010	C119957
Nitrate plus Nitrite (N)	mg/L				ND	0.020	C119690	ND	0.020	C124281
Total Nitrogen (N)	mg/L	ND	0.020	C117753	ND	0.020	C117753	0.155	0.020	C117753
Misc. Organics										
Phenols	mg/L							ND	0.0015	C122391
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 #: C584257
 Report Date: 2025/10/22

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

GLYCOLS BY GC-FID (WATER)

Bureau Veritas ID		DUL087	DUL093		
Sampling Date		2025/10/07	2025/10/07		
COC Number		115557	115557		
	UNITS	WLNG -EOP	DUP	RDL	QC Batch
Glycols					
Ethylene Glycol	mg/L	ND	ND	3.0	C122086
Diethylene Glycol	mg/L	ND	ND	5.0	C122086
Triethylene Glycol	mg/L	ND	ND	5.0	C122086
Propylene Glycol	mg/L	ND	ND	5.0	C122086
Surrogate Recovery (%)					
Methyl Sulfone (sur.)	%	95	87		C122086
RDL = Reportable Detection Limit ND = Not Detected at a concentration equal or greater than the indicated Detection Limit.					



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Bureau Veritas Job #: C584257
Report Date: 2025/10/22

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

MERCURY BY COLD VAPOR (WATER)

Bureau Veritas ID		DUL086	DUL087		DUL088			DUL088		
Sampling Date		2025/10/07	2025/10/07		2025/10/07			2025/10/07		
COC Number		115557	115557		115557			115557		
	UNITS	WLNG-DS	WLNG -EOP	QC Batch	WLNG-US	RDL	QC Batch	WLNG-US Lab-Dup	RDL	QC Batch
Elements										
Total Mercury (Hg)	ug/L	ND	ND	C119369	ND	0.0019	C119372	ND	0.0019	C119372
Lab Filtered Elements										
Dissolved Mercury (Hg)	ug/L	ND (1)	ND (1)	C118021	ND (1)	0.0019	C118021			
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.										

Bureau Veritas ID		DUL089	DUL090	DUL091	DUL092	DUL093		
Sampling Date		2025/10/07	2025/10/07	2025/10/07	2025/10/07	2025/10/07		
COC Number		115557	115557	115557	115557	115557		
	UNITS	SQRI-US	SQRI-DS	Field Blank	Trip Blank	DUP	RDL	QC Batch
Elements								
Total Mercury (Hg)	ug/L	ND	ND	ND	ND	ND	0.0019	C119372
Lab Filtered Elements								
Dissolved Mercury (Hg)	ug/L	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	0.0019	C118021
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.								



ELEMENTS BY ATOMIC SPECTROSCOPY (WATER)

Bureau Veritas ID		DUL086			DUL086			DUL087		
Sampling Date		2025/10/07			2025/10/07			2025/10/07		
COC Number		115557			115557			115557		
	UNITS	WLNG-DS	RDL	QC Batch	WLNG-DS Lab-Dup	RDL	QC Batch	WLNG -EOP	RDL	QC Batch
ANIONS										
Bromide (Br)	mg/L	0.014	0.010	C122515				ND	0.010	C122515
Dissolved Metals by ICPMS										
Dissolved Calcium (Ca)	mg/L	20.6	0.050	C114139				21.6	0.050	C115694
Dissolved Magnesium (Mg)	mg/L	0.957	0.050	C114139				0.966	0.050	C115694
Dissolved Potassium (K)	mg/L	3.10	0.050	C114139				2.57	0.050	C115694
Dissolved Sodium (Na)	mg/L	9.04	0.050	C114139				8.69	0.050	C115694
Dissolved Sulphur (S)	mg/L	4.0	3.0	C114139				4.4	3.0	C115694
Lab Filtered Metals										
Dissolved Aluminum (Al)	ug/L	61.3	0.50	C121488	59.8	0.50	C121488	51.4	0.50	C121488
Dissolved Antimony (Sb)	ug/L	0.853	0.020	C121488	0.839	0.020	C121488	0.744	0.020	C121488
Dissolved Arsenic (As)	ug/L	1.19	0.020	C121488	1.18	0.020	C121488	1.27	0.020	C121488
Dissolved Barium (Ba)	ug/L	11.3	0.020	C121488	11.2	0.020	C121488	10.4	0.020	C121488
Dissolved Beryllium (Be)	ug/L	ND	0.010	C121488	ND	0.010	C121488	ND	0.010	C121488
Dissolved Bismuth (Bi)	ug/L	ND	0.0050	C121488	ND	0.0050	C121488	ND	0.0050	C121488
Dissolved Boron (B)	ug/L	16	10	C121488	16	10	C121488	14	10	C121488
Dissolved Cadmium (Cd)	ug/L	0.0098	0.0050	C121488	0.0099	0.0050	C121488	0.0094	0.0050	C121488
Dissolved Cesium (Cs)	ug/L	ND	0.050	C121488	ND	0.050	C121488	ND	0.050	C121488
Dissolved Chromium (Cr)	ug/L	ND	0.10	C121488	ND	0.10	C121488	ND	0.10	C121488
Dissolved Cobalt (Co)	ug/L	0.0323	0.0050	C121488	0.0321	0.0050	C121488	0.0231	0.0050	C121488
Dissolved Copper (Cu)	ug/L	0.078	0.050	C121488	0.098	0.050	C121488	0.298	0.050	C121488
Dissolved Iron (Fe)	ug/L	4.3	1.0	C121488	4.3	1.0	C121488	1.6	1.0	C121488
Dissolved Lead (Pb)	ug/L	ND	0.0050	C121488	ND	0.0050	C121488	ND	0.0050	C121488
Dissolved Lithium (Li)	ug/L	6.37	0.50	C121488	6.22	0.50	C121488	5.61	0.50	C121488
Dissolved Manganese (Mn)	ug/L	25.8	0.050	C121488	25.8	0.050	C121488	22.5	0.050	C121488
Dissolved Molybdenum (Mo)	ug/L	23.3	0.050	C121488	22.9	0.050	C121488	24.5	0.050	C121488
Dissolved Nickel (Ni)	ug/L	0.180	0.020	C121488	0.170	0.020	C121488	0.196	0.020	C121488
Dissolved Phosphorus (P)	ug/L	ND	2.0	C121488	ND	2.0	C121488	3.3	2.0	C121488
Dissolved Rubidium (Rb)	ug/L	6.12	0.050	C121488	5.93	0.050	C121488	5.47	0.050	C121488
Dissolved Selenium (Se)	ug/L	ND	0.040	C121488	ND	0.040	C121488	ND	0.040	C121488
Dissolved Silicon (Si)	ug/L	6230	50	C121488	6260	50	C121488	6300	50	C121488
RDL = Reportable Detection Limit										
Lab-Dup = Laboratory Initiated Duplicate										
ND = Not Detected at a concentration equal or greater than the indicated Detection Limit.										



ELEMENTS BY ATOMIC SPECTROSCOPY (WATER)

Bureau Veritas ID		DUL086			DUL086			DUL087			
Sampling Date		2025/10/07			2025/10/07			2025/10/07			
COC Number		115557			115557			115557			
	UNITS	WLNG-DS	RDL	QC Batch	WLNG-DS Lab-Dup	RDL	QC Batch	WLNG -EOP	RDL	QC Batch	
Dissolved Silver (Ag)	ug/L	ND	0.0050	C121488	ND	0.0050	C121488	ND	0.0050	C121488	
Dissolved Strontium (Sr)	ug/L	48.1	0.050	C121488	46.9	0.050	C121488	48.7	0.050	C121488	
Dissolved Tellurium (Te)	ug/L	ND	0.020	C121488	ND	0.020	C121488	ND	0.020	C121488	
Dissolved Thallium (Tl)	ug/L	0.0155	0.0020	C121488	0.0176	0.0020	C121488	0.0175	0.0020	C121488	
Dissolved Thorium (Th)	ug/L	ND	0.0050	C121488	ND	0.0050	C121488	ND	0.0050	C121488	
Dissolved Tin (Sn)	ug/L	ND	0.20	C121488	ND	0.20	C121488	ND	0.20	C121488	
Dissolved Titanium (Ti)	ug/L	ND	0.50	C121488	ND	0.50	C121488	ND	0.50	C121488	
Dissolved Uranium (U)	ug/L	0.164	0.0020	C121488	0.166	0.0020	C121488	0.139	0.0020	C121488	
Dissolved Vanadium (V)	ug/L	ND	0.20	C121488	ND	0.20	C121488	ND	0.20	C121488	
Dissolved Zinc (Zn)	ug/L	1.52	0.10	C121488	1.43	0.10	C121488	2.32	0.10	C121488	
Dissolved Zirconium (Zr)	ug/L	ND	0.10	C121488	ND	0.10	C121488	ND	0.10	C121488	
Total Metals by ICPMS											
Total Aluminum (Al)	ug/L	127	0.50	C118624				124	0.50	C118624	
Total Antimony (Sb)	ug/L	0.884	0.020	C118624				0.725	0.020	C118624	
Total Arsenic (As)	ug/L	1.20	0.020	C118624				1.25	0.020	C118624	
Total Barium (Ba)	ug/L	12.2	0.020	C118624				10.7	0.020	C118624	
Total Beryllium (Be)	ug/L	ND	0.010	C118624				ND	0.010	C118624	
Total Bismuth (Bi)	ug/L	ND	0.0050	C118624				ND	0.0050	C118624	
Total Boron (B)	ug/L	15	10	C118624				15	10	C118624	
Total Cadmium (Cd)	ug/L	0.0103	0.0050	C118624				0.0108	0.0050	C118624	
Total Cesium (Cs)	ug/L	ND	0.050	C118624				ND	0.050	C118624	
Total Chromium (Cr)	ug/L	ND	0.10	C118624				ND	0.10	C118624	
Total Cobalt (Co)	ug/L	0.0478	0.0050	C118624				0.0455	0.0050	C118624	
Total Copper (Cu)	ug/L	0.184	0.050	C118624				0.485	0.050	C118624	
Total Iron (Fe)	ug/L	44.5	1.0	C118624				24.7	1.0	C118624	
Total Lead (Pb)	ug/L	0.0254	0.0050	C118624				0.0428	0.0050	C118624	
Total Lithium (Li)	ug/L	6.31	0.50	C118624				5.66	0.50	C118624	
Total Manganese (Mn)	ug/L	32.8	0.050	C118624				34.7	0.050	C118624	
Total Molybdenum (Mo)	ug/L	23.7	0.050	C118624				24.7	0.050	C118624	
Total Nickel (Ni)	ug/L	0.239	0.020	C118624				0.191	0.020	C118624	
Total Phosphorus (P)	ug/L	4.8	2.0	C118624				3.2	2.0	C118624	
RDL = Reportable Detection Limit											
Lab-Dup = Laboratory Initiated Duplicate											
ND = Not Detected at a concentration equal or greater than the indicated Detection Limit.											



ELEMENTS BY ATOMIC SPECTROSCOPY (WATER)

Bureau Veritas ID		DUL086			DUL086			DUL087		
Sampling Date		2025/10/07			2025/10/07			2025/10/07		
COC Number		115557			115557			115557		
	UNITS	WLNG-DS	RDL	QC Batch	WLNG-DS Lab-Dup	RDL	QC Batch	WLNG -EOP	RDL	QC Batch
Total Rubidium (Rb)	ug/L	6.18	0.050	C118624				5.49	0.050	C118624
Total Selenium (Se)	ug/L	ND	0.040	C118624				0.040	0.040	C118624
Total Silicon (Si)	ug/L	6290	50	C118624				6250	50	C118624
Total Silver (Ag)	ug/L	ND	0.0050	C118624				ND	0.0050	C118624
Total Strontium (Sr)	ug/L	47.3	0.050	C118624				47.8	0.050	C118624
Total Tellurium (Te)	ug/L	ND	0.020	C118624				ND	0.020	C118624
Total Thallium (Tl)	ug/L	0.0197	0.0020	C118624				0.0150	0.0020	C118624
Total Thorium (Th)	ug/L	ND	0.050	C118624				ND	0.050	C118624
Total Tin (Sn)	ug/L	ND	0.20	C118624				ND	0.20	C118624
Total Titanium (Ti)	ug/L	1.50	0.50	C118624				0.52	0.50	C118624
Total Uranium (U)	ug/L	0.172	0.0020	C118624				0.156	0.0020	C118624
Total Vanadium (V)	ug/L	ND	0.20	C118624				ND	0.20	C118624
Total Zinc (Zn)	ug/L	3.30	0.10	C118624				3.24	0.10	C118624
Total Zirconium (Zr)	ug/L	ND	0.10	C118624				ND	0.10	C118624
Total Calcium (Ca)	mg/L	20.0	0.050	C114140				21.4	0.050	C114140
Total Magnesium (Mg)	mg/L	0.966	0.050	C114140				0.966	0.050	C114140
Total Potassium (K)	mg/L	3.26	0.050	C114140				2.57	0.050	C114140
Total Sodium (Na)	mg/L	9.02	0.050	C114140				8.44	0.050	C114140
Total Sulphur (S)	mg/L	3.7	3.0	C114140				3.9	3.0	C114140

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 #: C584257

Report Date: 2025/10/22

HATFIELD CONSULTANTS

Client Project #: FORTIS11234/PE-110163

Site Location: WOODFIBRE PIPELINE PROJECT

Your P.O. #: 4800010213

ELEMENTS BY ATOMIC SPECTROSCOPY (WATER)

Bureau Veritas ID		DUL088	DUL089		DUL090			DUL091		
Sampling Date		2025/10/07	2025/10/07		2025/10/07			2025/10/07		
COC Number		115557	115557		115557			115557		
	UNITS	WLNG-US	SQRI-US	QC Batch	SQRI-DS	RDL	QC Batch	Field Blank	RDL	QC Batch

ANIONS

Bromide (Br)	mg/L	ND	ND	C122661	ND	0.010	C122661	ND	0.010	C122661
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Dissolved Metals by ICPMS

Dissolved Calcium (Ca)	mg/L	2.87	5.28	C115694	4.99	0.050	C115694	ND	0.050	C115694
Dissolved Magnesium (Mg)	mg/L	0.362	0.587	C115694	0.546	0.050	C115694	ND	0.050	C115694
Dissolved Potassium (K)	mg/L	0.225	0.684	C115694	0.667	0.050	C115694	ND	0.050	C115694
Dissolved Sodium (Na)	mg/L	2.19	1.99	C115694	1.88	0.050	C115694	ND	0.050	C115694
Dissolved Sulphur (S)	mg/L	ND	ND	C115694	ND	3.0	C115694	ND	3.0	C115694

Lab Filtered Metals

Dissolved Aluminum (Al)	ug/L	39.2	23.5	C121488	25.0	0.50	C121488	ND	0.50	C121488
Dissolved Antimony (Sb)	ug/L	0.023	ND	C121488	ND	0.020	C121488	ND	0.020	C121488
Dissolved Arsenic (As)	ug/L	0.108	0.144	C121488	0.138	0.020	C121488	ND	0.020	C121488
Dissolved Barium (Ba)	ug/L	5.09	7.29	C121488	7.38	0.020	C121488	ND	0.020	C121488
Dissolved Beryllium (Be)	ug/L	ND	ND	C121488	ND	0.010	C121488	ND	0.010	C121488
Dissolved Bismuth (Bi)	ug/L	ND	ND	C121488	ND	0.0050	C121488	ND	0.0050	C121488
Dissolved Boron (B)	ug/L	ND	ND	C121488	ND	10	C121488	ND	10	C121488
Dissolved Cadmium (Cd)	ug/L	0.0059	ND	C121488	ND	0.0050	C121488	ND	0.0050	C121488
Dissolved Cesium (Cs)	ug/L	ND	ND	C121488	ND	0.050	C121488	ND	0.050	C121488
Dissolved Chromium (Cr)	ug/L	ND	ND	C121488	ND	0.10	C121488	ND	0.10	C121488
Dissolved Cobalt (Co)	ug/L	0.0184	0.0196	C121488	0.0213	0.0050	C121488	ND	0.0050	C121488
Dissolved Copper (Cu)	ug/L	0.664	0.563	C121488	0.574	0.050	C121488	ND	0.050	C121488
Dissolved Iron (Fe)	ug/L	30.4	36.6	C121488	33.7	1.0	C121488	ND	1.0	C121488
Dissolved Lead (Pb)	ug/L	0.0102	0.0084	C121488	0.0064	0.0050	C121488	ND	0.0050	C121488
Dissolved Lithium (Li)	ug/L	ND	0.94	C121488	0.88	0.50	C121488	ND	0.50	C121488
Dissolved Manganese (Mn)	ug/L	0.832	6.69	C121488	6.53	0.050	C121488	0.070	0.050	C121488
Dissolved Molybdenum (Mo)	ug/L	0.453	0.526	C121488	0.502	0.050	C121488	ND	0.050	C121488
Dissolved Nickel (Ni)	ug/L	0.312	0.102	C121488	0.116	0.020	C121488	ND	0.020	C121488
Dissolved Phosphorus (P)	ug/L	8.1	9.3	C121488	8.9	2.0	C121488	ND	2.0	C121488
Dissolved Rubidium (Rb)	ug/L	0.475	1.01	C121488	1.00	0.050	C121488	ND	0.050	C121488
Dissolved Selenium (Se)	ug/L	ND	ND	C121488	ND	0.040	C121488	ND	0.040	C121488
Dissolved Silicon (Si)	ug/L	4220	3860	C121488	3510	50	C121488	ND	50	C121488
Dissolved Silver (Ag)	ug/L	ND	ND	C121488	ND	0.0050	C121488	ND	0.0050	C121488

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		DUL088	DUL089		DUL090			DUL091		
Sampling Date		2025/10/07	2025/10/07		2025/10/07			2025/10/07		
COC Number		115557	115557		115557			115557		
	UNITS	WLNG-US	SQRI-US	QC Batch	SQRI-DS	RDL	QC Batch	Field Blank	RDL	QC Batch
Dissolved Strontium (Sr)	ug/L	15.3	35.1	C121488	33.4	0.050	C121488	ND	0.050	C121488
Dissolved Tellurium (Te)	ug/L	ND	ND	C121488	ND	0.020	C121488	ND	0.020	C121488
Dissolved Thallium (Tl)	ug/L	0.0025	0.0030	C121488	0.0034	0.0020	C121488	ND	0.0020	C121488
Dissolved Thorium (Th)	ug/L	ND	ND	C121488	ND	0.0050	C121488	ND	0.0050	C121488
Dissolved Tin (Sn)	ug/L	ND	ND	C121488	ND	0.20	C121488	ND	0.20	C121488
Dissolved Titanium (Ti)	ug/L	ND	0.58	C121488	0.64	0.50	C121488	ND	0.50	C121488
Dissolved Uranium (U)	ug/L	0.0636	0.0217	C121488	0.0243	0.0020	C121488	ND	0.0020	C121488
Dissolved Vanadium (V)	ug/L	0.21	1.08	C121488	0.91	0.20	C121488	ND	0.20	C121488
Dissolved Zinc (Zn)	ug/L	1.09	0.29	C121488	0.77	0.10	C121488	ND	0.10	C121488
Dissolved Zirconium (Zr)	ug/L	ND	ND	C121488	ND	0.10	C121488	ND	0.10	C121488
Total Metals by ICPMS										
Total Aluminum (Al)	ug/L	545	669	C119697	855	3.0	C120283	2.26	0.50	C118624
Total Antimony (Sb)	ug/L	0.031	0.033	C119697	ND	0.020	C120283	ND	0.020	C118624
Total Arsenic (As)	ug/L	0.216	0.195	C119697	0.198	0.020	C120283	ND	0.020	C118624
Total Barium (Ba)	ug/L	9.20	17.3	C119697	19.0	0.050	C120283	ND	0.020	C118624
Total Beryllium (Be)	ug/L	ND	0.012	C119697	0.019	0.010	C120283	ND	0.010	C118624
Total Bismuth (Bi)	ug/L	ND	ND	C119697	ND	0.010	C120283	ND	0.0050	C118624
Total Boron (B)	ug/L	ND	11	C119697	ND	10	C120283	ND	10	C118624
Total Cadmium (Cd)	ug/L	0.0158	0.0100	C119697	0.0102	0.0050	C120283	ND	0.0050	C118624
Total Cesium (Cs)	ug/L	ND	0.056	C119697	0.060	0.050	C120283	ND	0.050	C118624
Total Chromium (Cr)	ug/L	0.26	0.29	C119697	0.39	0.10	C120283	ND	0.10	C118624
Total Cobalt (Co)	ug/L	0.231	0.302	C119697	0.398	0.010	C120283	ND	0.0050	C118624
Total Copper (Cu)	ug/L	1.60	1.85	C119697	1.95	0.10	C120283	ND	0.050	C118624
Total Iron (Fe)	ug/L	535	601	C119697	736	5.0	C120283	2.0	1.0	C118624
Total Lead (Pb)	ug/L	0.242	0.138	C119697	0.169	0.020	C120283	0.0051	0.0050	C118624
Total Lithium (Li)	ug/L	ND	1.39	C119697	1.32	0.50	C120283	ND	0.50	C118624
Total Manganese (Mn)	ug/L	22.6	25.4	C119697	27.8	0.10	C120283	0.076	0.050	C118624
Total Molybdenum (Mo)	ug/L	0.476	0.539	C119697	0.462	0.050	C120283	ND	0.050	C118624
Total Nickel (Ni)	ug/L	0.55	0.41	C119697	0.48	0.10	C120283	ND	0.020	C118624
Total Phosphorus (P)	ug/L	44.1	60.5	C119697	63.4	5.0	C120283	2.2	2.0	C118624
Total Rubidium (Rb)	ug/L	0.764	1.77	C119697	1.80	0.050	C120283	ND	0.050	C118624
Total Selenium (Se)	ug/L	ND	ND	C119697	ND	0.040	C120283	ND	0.040	C118624
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		DUL088	DUL089		DUL090			DUL091		
Sampling Date		2025/10/07	2025/10/07		2025/10/07			2025/10/07		
COC Number		115557	115557		115557			115557		
	UNITS	WLNG-US	SQRI-US	QC Batch	SQRI-DS	RDL	QC Batch	Field Blank	RDL	QC Batch
Total Silicon (Si)	ug/L	5250	5320	C119697	4240	50	C120283	ND	50	C118624
Total Silver (Ag)	ug/L	ND	ND	C119697	ND	0.010	C120283	ND	0.0050	C118624
Total Strontium (Sr)	ug/L	17.7	42.1	C119697	36.6	0.050	C120283	ND	0.050	C118624
Total Tellurium (Te)	ug/L	ND	ND	C119697	ND	0.020	C120283	ND	0.020	C118624
Total Thallium (Tl)	ug/L	0.0050	0.0081	C119697	0.0081	0.0020	C120283	ND	0.0020	C118624
Total Thorium (Th)	ug/L	ND	ND	C119697	ND	0.050	C120283	ND	0.050	C118624
Total Tin (Sn)	ug/L	ND	ND	C119697	ND	0.20	C120283	ND	0.20	C118624
Total Titanium (Ti)	ug/L	18.0	32.3	C119697	41.7	2.0	C120283	ND	0.50	C118624
Total Uranium (U)	ug/L	0.154	0.0460	C119697	0.0548	0.0050	C120283	ND	0.0020	C118624
Total Vanadium (V)	ug/L	0.85	2.36	C119697	2.39	0.20	C120283	ND	0.20	C118624
Total Zinc (Zn)	ug/L	4.0	3.5	C119697	6.3	1.0	C120283	0.21	0.10	C118624
Total Zirconium (Zr)	ug/L	ND	0.20	C119697	0.17	0.10	C120283	ND	0.10	C118624
Total Calcium (Ca)	mg/L	3.25	5.92	C114140	4.92	0.25	C114140	ND	0.050	C114140
Total Magnesium (Mg)	mg/L	0.52	0.88	C114140	0.82	0.25	C114140	ND	0.050	C114140
Total Potassium (K)	mg/L	0.27	0.88	C114140	0.85	0.25	C114140	ND	0.050	C114140
Total Sodium (Na)	mg/L	2.34	2.37	C114140	1.82	0.25	C114140	ND	0.050	C114140
Total Sulphur (S)	mg/L	ND	ND	C114140	ND	3.0	C114140	ND	3.0	C114140

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		DUL091			DUL092			DUL093		
Sampling Date		2025/10/07			2025/10/07			2025/10/07		
COC Number		115557			115557			115557		
	UNITS	Field Blank Lab-Dup	RDL	QC Batch	Trip Blank	RDL	QC Batch	DUP	RDL	QC Batch
ANIONS										
Bromide (Br)	mg/L				ND	0.010	C122661	ND	0.010	C122661
Dissolved Metals by ICPMS										
Dissolved Calcium (Ca)	mg/L				ND	0.050	C115694	21.4	0.050	C115694
Dissolved Magnesium (Mg)	mg/L				ND	0.050	C115694	0.976	0.050	C115694
Dissolved Potassium (K)	mg/L				ND	0.050	C115694	2.98	0.050	C115694
Dissolved Sodium (Na)	mg/L				ND	0.050	C115694	9.14	0.050	C115694
Dissolved Sulphur (S)	mg/L				ND	3.0	C115694	4.3	3.0	C115694
Lab Filtered Metals										
Dissolved Aluminum (Al)	ug/L				ND	0.50	C121488	50.9	0.50	C121488
Dissolved Antimony (Sb)	ug/L				ND	0.020	C121488	0.822	0.020	C121488
Dissolved Arsenic (As)	ug/L				ND	0.020	C121488	1.27	0.020	C121488
Dissolved Barium (Ba)	ug/L				ND	0.020	C121488	11.0	0.020	C121488
Dissolved Beryllium (Be)	ug/L				ND	0.010	C121488	ND	0.010	C121488
Dissolved Bismuth (Bi)	ug/L				ND	0.0050	C121488	ND	0.0050	C121488
Dissolved Boron (B)	ug/L				ND	10	C121488	15	10	C121488
Dissolved Cadmium (Cd)	ug/L				ND	0.0050	C121488	0.0110	0.0050	C121488
Dissolved Cesium (Cs)	ug/L				ND	0.050	C121488	ND	0.050	C121488
Dissolved Chromium (Cr)	ug/L				ND	0.10	C121488	ND	0.10	C121488
Dissolved Cobalt (Co)	ug/L				ND	0.0050	C121488	0.0344	0.0050	C121488
Dissolved Copper (Cu)	ug/L				ND	0.050	C121488	0.222	0.050	C121488
Dissolved Iron (Fe)	ug/L				ND	1.0	C121488	1.7	1.0	C121488
Dissolved Lead (Pb)	ug/L				ND	0.0050	C121488	ND	0.0050	C121488
Dissolved Lithium (Li)	ug/L				ND	0.50	C121488	6.47	0.50	C121488
Dissolved Manganese (Mn)	ug/L				0.077	0.050	C121488	28.1	0.050	C121488
Dissolved Molybdenum (Mo)	ug/L				ND	0.050	C121488	24.5	0.050	C121488
Dissolved Nickel (Ni)	ug/L				ND	0.020	C121488	0.173	0.020	C121488
Dissolved Phosphorus (P)	ug/L				ND	2.0	C121488	2.1	2.0	C121488
Dissolved Rubidium (Rb)	ug/L				ND	0.050	C121488	5.90	0.050	C121488
Dissolved Selenium (Se)	ug/L				ND	0.040	C121488	ND	0.040	C121488
Dissolved Silicon (Si)	ug/L				ND	50	C121488	6130	50	C121488
RDL = Reportable Detection Limit										
Lab-Dup = Laboratory Initiated Duplicate										
ND = Not Detected at a concentration equal or greater than the indicated Detection Limit.										



ELEMENTS BY ATOMIC SPECTROSCOPY (WATER)

Bureau Veritas ID		DUL091			DUL092			DUL093		
Sampling Date		2025/10/07			2025/10/07			2025/10/07		
COC Number		115557			115557			115557		
	UNITS	Field Blank Lab-Dup	RDL	QC Batch	Trip Blank	RDL	QC Batch	DUP	RDL	QC Batch
Dissolved Silver (Ag)	ug/L				ND	0.0050	C121488	ND	0.0050	C121488
Dissolved Strontium (Sr)	ug/L				ND	0.050	C121488	49.3	0.050	C121488
Dissolved Tellurium (Te)	ug/L				ND	0.020	C121488	ND	0.020	C121488
Dissolved Thallium (Tl)	ug/L				ND	0.0020	C121488	0.0157	0.0020	C121488
Dissolved Thorium (Th)	ug/L				ND	0.0050	C121488	ND	0.0050	C121488
Dissolved Tin (Sn)	ug/L				ND	0.20	C121488	ND	0.20	C121488
Dissolved Titanium (Ti)	ug/L				ND	0.50	C121488	ND	0.50	C121488
Dissolved Uranium (U)	ug/L				ND	0.0020	C121488	0.149	0.0020	C121488
Dissolved Vanadium (V)	ug/L				ND	0.20	C121488	ND	0.20	C121488
Dissolved Zinc (Zn)	ug/L				ND	0.10	C121488	2.19	0.10	C121488
Dissolved Zirconium (Zr)	ug/L				ND	0.10	C121488	ND	0.10	C121488
Total Metals by ICPMS										
Total Aluminum (Al)	ug/L	1.94	0.50	C118624	ND	0.50	C118624	133	3.0	C120283
Total Antimony (Sb)	ug/L	ND	0.020	C118624	ND	0.020	C118624	0.833	0.020	C120283
Total Arsenic (As)	ug/L	ND	0.020	C118624	ND	0.020	C118624	1.35	0.020	C120283
Total Barium (Ba)	ug/L	ND	0.020	C118624	ND	0.020	C118624	11.3	0.050	C120283
Total Beryllium (Be)	ug/L	ND	0.010	C118624	ND	0.010	C118624	ND	0.010	C120283
Total Bismuth (Bi)	ug/L	ND	0.0050	C118624	ND	0.0050	C118624	ND	0.010	C120283
Total Boron (B)	ug/L	ND	10	C118624	ND	10	C118624	16	10	C120283
Total Cadmium (Cd)	ug/L	ND	0.0050	C118624	ND	0.0050	C118624	0.0108	0.0050	C120283
Total Cesium (Cs)	ug/L	ND	0.050	C118624	ND	0.050	C118624	0.051	0.050	C120283
Total Chromium (Cr)	ug/L	ND	0.10	C118624	ND	0.10	C118624	ND	0.10	C120283
Total Cobalt (Co)	ug/L	ND	0.0050	C118624	ND	0.0050	C118624	0.045	0.010	C120283
Total Copper (Cu)	ug/L	ND	0.050	C118624	ND	0.050	C118624	0.36	0.10	C120283
Total Iron (Fe)	ug/L	1.9	1.0	C118624	ND	1.0	C118624	25.5	5.0	C120283
Total Lead (Pb)	ug/L	ND	0.0050	C118624	ND	0.0050	C118624	0.034	0.020	C120283
Total Lithium (Li)	ug/L	ND	0.50	C118624	ND	0.50	C118624	6.64	0.50	C120283
Total Manganese (Mn)	ug/L	0.067	0.050	C118624	ND	0.050	C118624	33.9	0.10	C120283
Total Molybdenum (Mo)	ug/L	ND	0.050	C118624	ND	0.050	C118624	25.8	0.050	C120283
Total Nickel (Ni)	ug/L	0.022	0.020	C118624	ND	0.020	C118624	0.17	0.10	C120283
Total Phosphorus (P)	ug/L	ND	2.0	C118624	ND	2.0	C118624	7.1	5.0	C120283
RDL = Reportable Detection Limit										
Lab-Dup = Laboratory Initiated Duplicate										
ND = Not Detected at a concentration equal or greater than the indicated Detection Limit.										



ELEMENTS BY ATOMIC SPECTROSCOPY (WATER)

Bureau Veritas ID		DUL091			DUL092			DUL093		
Sampling Date		2025/10/07			2025/10/07			2025/10/07		
COC Number		115557			115557			115557		
	UNITS	Field Blank Lab-Dup	RDL	QC Batch	Trip Blank	RDL	QC Batch	DUP	RDL	QC Batch
Total Rubidium (Rb)	ug/L	ND	0.050	C118624	ND	0.050	C118624	6.07	0.050	C120283
Total Selenium (Se)	ug/L	ND	0.040	C118624	ND	0.040	C118624	ND	0.040	C120283
Total Silicon (Si)	ug/L	ND	50	C118624	ND	50	C118624	6600	50	C120283
Total Silver (Ag)	ug/L	ND	0.0050	C118624	ND	0.0050	C118624	ND	0.010	C120283
Total Strontium (Sr)	ug/L	ND	0.050	C118624	ND	0.050	C118624	51.4	0.050	C120283
Total Tellurium (Te)	ug/L	ND	0.020	C118624	ND	0.020	C118624	ND	0.020	C120283
Total Thallium (Tl)	ug/L	ND	0.0020	C118624	ND	0.0020	C118624	0.0173	0.0020	C120283
Total Thorium (Th)	ug/L	ND	0.050	C118624	ND	0.050	C118624	ND	0.050	C120283
Total Tin (Sn)	ug/L	ND	0.20	C118624	ND	0.20	C118624	ND	0.20	C120283
Total Titanium (Ti)	ug/L	ND	0.50	C118624	ND	0.50	C118624	ND	2.0	C120283
Total Uranium (U)	ug/L	ND	0.0020	C118624	0.0030	0.0020	C118624	0.174	0.0050	C120283
Total Vanadium (V)	ug/L	ND	0.20	C118624	ND	0.20	C118624	ND	0.20	C120283
Total Zinc (Zn)	ug/L	0.21	0.10	C118624	ND	0.10	C118624	3.1	1.0	C120283
Total Zirconium (Zr)	ug/L	ND	0.10	C118624	ND	0.10	C118624	ND	0.10	C120283
Total Calcium (Ca)	mg/L				ND	0.050	C114140	22.6	0.25	C114140
Total Magnesium (Mg)	mg/L				ND	0.050	C114140	1.01	0.25	C114140
Total Potassium (K)	mg/L				ND	0.050	C114140	2.93	0.25	C114140
Total Sodium (Na)	mg/L				ND	0.050	C114140	9.27	0.25	C114140
Total Sulphur (S)	mg/L				ND	3.0	C114140	4.0	3.0	C114140

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 #: C584257
 Report Date: 2025/10/22

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

MISCELLANEOUS (WATER)

Bureau Veritas ID		DUL086	DUL087	DUL088	DUL089	DUL090	DUL093		
Sampling Date		2025/10/07	2025/10/07	2025/10/07	2025/10/07	2025/10/07	2025/10/07		
COC Number		115557	115557	115557	115557	115557	115557		
	UNITS	WLNG-DS	WLNG -EOP	WLNG-US	SQRI-US	SQRI-DS	DUP	RDL	QC Batch

Calculated Parameters									
Total Un-ionized Hydrogen Sulfide as S	mg/L	ND	ND	ND	ND	ND	ND	0.0018	C114840
Total Un-ionized Hydrogen Sulfide as H2S	mg/L	ND	ND	ND	ND	ND	ND	0.0019	C114840

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)

Bureau Veritas ID		DUL087	DUL093		
Sampling Date		2025/10/07	2025/10/07		
COC Number		115557	115557		
	UNITS	WLNG -EOP	DUP	RDL	QC Batch
Calculated Parameters					
Low Molecular Weight PAH's	ug/L	ND	ND	0.10	C113830
High Molecular Weight PAH's	ug/L	ND	ND	0.050	C113830
Total PAH	ug/L	ND	ND	0.10	C113830
Polycyclic Aromatics					
Quinoline	ug/L	ND	ND	0.020	C121144
Naphthalene	ug/L	ND	ND	0.10	C121144
1-Methylnaphthalene	ug/L	ND	ND	0.050	C121144
2-Methylnaphthalene	ug/L	ND	ND	0.10	C121144
Acenaphthylene	ug/L	ND	ND	0.050	C121144
Acenaphthene	ug/L	ND	ND	0.050	C121144
Fluorene	ug/L	ND	ND	0.050	C121144
Phenanthrene	ug/L	ND	ND	0.050	C121144
Anthracene	ug/L	ND	ND	0.010	C121144
Acridine	ug/L	ND	ND	0.050	C121144
Fluoranthene	ug/L	ND	ND	0.020	C121144
Pyrene	ug/L	ND	ND	0.020	C121144
Benzo(a)anthracene	ug/L	ND	ND	0.010	C121144
Chrysene	ug/L	ND	ND	0.020	C121144
Benzo(b&j)fluoranthene	ug/L	ND	ND	0.030	C121144
Benzo(k)fluoranthene	ug/L	ND	ND	0.050	C121144
Benzo(a)pyrene	ug/L	ND	ND	0.0050	C121144
Indeno(1,2,3-cd)pyrene	ug/L	ND	ND	0.050	C121144
Dibenz(a,h)anthracene	ug/L	ND	ND	0.0030	C121144
Benzo(g,h,i)perylene	ug/L	ND	ND	0.050	C121144
Calculated Parameters					
LEPH (C10-C19 less PAH)	mg/L	ND	ND	0.20	C113831
HEPH (C19-C32 less PAH)	mg/L	ND	ND	0.20	C113831
Ext. Pet. Hydrocarbon					
EPH (C10-C19)	mg/L	ND	ND	0.20	C121150
EPH (C19-C32)	mg/L	ND	ND	0.20	C121150
RDL = Reportable Detection Limit ND = Not Detected at a concentration equal or greater than the indicated Detection Limit.					



Bureau Veritas Job #: C584257
 Report Date: 2025/10/22

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

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

Bureau Veritas ID		DUL087	DUL093		
Sampling Date		2025/10/07	2025/10/07		
COC Number		115557	115557		
	UNITS	WLNG -EOP	DUP	RDL	QC Batch
Surrogate Recovery (%)					
O-TERPHENYL (sur.)	%	103	103		C121150
D10-ANTHRACENE (sur.)	%	90	89		C121144
D8-ACENAPHTHYLENE (sur.)	%	87	86		C121144
D8-NAPHTHALENE (sur.)	%	75	75		C121144
TERPHENYL-D14 (sur.)	%	87	86		C121144
RDL = Reportable Detection Limit					



CSR VOC + VPH IN WATER (WATER)

Bureau Veritas ID		DUL087	DUL093		
Sampling Date		2025/10/07	2025/10/07		
COC Number		115557	115557		
	UNITS	WLNG -EOP	DUP	RDL	QC Batch
Calculated Parameters					
VPH (VH6 to 10 - BTEX)	ug/L	ND	ND	300	C113832
Volatiles					
VH C6-C10	ug/L	ND	ND	300	C121928
1,1,1,2-tetrachloroethane	ug/L	ND	ND	0.50	C121928
1,1,1-trichloroethane	ug/L	ND	ND	0.50	C121928
1,1,2-tetrachloroethane	ug/L	ND	ND	0.50	C121928
1,1,2Trichloro-1,2,2Trifluoroethane	ug/L	ND	ND	2.0	C121928
1,1,2-trichloroethane	ug/L	ND	ND	0.50	C121928
1,1-dichloroethane	ug/L	ND	ND	0.50	C121928
1,1-dichloroethene	ug/L	ND	ND	0.50	C121928
1,2,3-trichlorobenzene	ug/L	ND	ND	2.0	C121928
1,2,4-trichlorobenzene	ug/L	ND	ND	2.0	C121928
1,2-dibromoethane	ug/L	ND	ND	0.20	C121928
1,2-dichlorobenzene	ug/L	ND	ND	0.50	C121928
1,2-dichloroethane	ug/L	ND	ND	0.50	C121928
1,2-dichloropropane	ug/L	ND	ND	0.50	C121928
1,3,5-trimethylbenzene	ug/L	ND	ND	2.0	C121928
1,3-Butadiene	ug/L	ND	ND	0.50	C121928
1,3-dichlorobenzene	ug/L	ND	ND	0.50	C121928
1,3-dichloropropane	ug/L	ND	ND	1.0	C121928
1,4-dichlorobenzene	ug/L	ND	ND	0.50	C121928
Benzene	ug/L	ND	ND	0.40	C121928
Bromobenzene	ug/L	ND	ND	2.0	C121928
Bromodichloromethane	ug/L	ND	ND	1.0	C121928
Bromoform	ug/L	ND	ND	1.0	C121928
Bromomethane	ug/L	ND	ND	1.0	C121928
Carbon tetrachloride	ug/L	ND	ND	0.50	C121928
Chlorobenzene	ug/L	ND	ND	0.50	C121928
Dibromochloromethane	ug/L	ND	ND	1.0	C121928
Chloroethane	ug/L	ND	ND	1.0	C121928
Chloroform	ug/L	ND	ND	1.0	C121928
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		DUL087	DUL093		
Sampling Date		2025/10/07	2025/10/07		
COC Number		115557	115557		
	UNITS	WLNG -EOP	DUP	RDL	QC Batch
Chloromethane	ug/L	ND	ND	1.0	C121928
cis-1,2-dichloroethene	ug/L	ND	ND	1.0	C121928
cis-1,3-dichloropropene	ug/L	ND	ND	1.0	C121928
Dichlorodifluoromethane	ug/L	ND	ND	2.0	C121928
Dichloromethane	ug/L	ND	ND	2.0	C121928
Ethylbenzene	ug/L	ND	ND	0.40	C121928
Hexachlorobutadiene	ug/L	ND	ND	0.50	C121928
Isopropylbenzene	ug/L	ND	ND	2.0	C121928
Methyl-tert-butylether (MTBE)	ug/L	ND	ND	4.0	C121928
Styrene	ug/L	ND	ND	0.50	C121928
Tetrachloroethene	ug/L	ND	ND	0.50	C121928
Toluene	ug/L	0.53	3.2	0.40	C121928
trans-1,2-dichloroethene	ug/L	ND	ND	1.0	C121928
trans-1,3-dichloropropene	ug/L	ND	ND	1.0	C121928
Trichloroethene	ug/L	ND	ND	0.50	C121928
Trichlorofluoromethane	ug/L	ND	ND	4.0	C121928
Vinyl chloride	ug/L	ND	ND	0.50	C121928
m & p-Xylene	ug/L	ND	ND	0.40	C121928
o-Xylene	ug/L	ND	ND	0.40	C121928
Xylenes (Total)	ug/L	ND	ND	0.40	C121928
Surrogate Recovery (%)					
1,4-Difluorobenzene (sur.)	%	99	99		C121928
4-Bromofluorobenzene (sur.)	%	78	80		C121928
D4-1,2-Dichloroethane (sur.)	%	89	87		C121928
RDL = Reportable Detection Limit ND = Not Detected at a concentration equal or greater than the indicated Detection Limit.					



Bureau Veritas Job #: C584257
Report Date: 2025/10/22

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

GENERAL COMMENTS

Test code change from METTLLV-W to METTGLV-W as per lab request received on 10/09.

DUL088-09

DUL089-09

DUL090-09

DUL093-11

DUL840-02

Sample DUL093 [DUP] : Sample was analyzed past method specified hold time for Nitrate + Nitrite (N). Exceedance of hold time increases the uncertainty of test results but does not necessarily imply that results are compromised. Sample was analyzed past method specified hold time for Nitrite (N) Regular Level Water.

Results relate only to the items tested.



QUALITY ASSURANCE REPORT

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
C117753	C2L	Matrix Spike [DUL091-10]	Total Nitrogen (N)	2025/10/10		154 (1)	%	80 - 120
C117753	C2L	Spiked Blank	Total Nitrogen (N)	2025/10/10		100	%	80 - 120
C117753	C2L	Method Blank	Total Nitrogen (N)	2025/10/10	ND, RDL=0.020		mg/L	
C117753	C2L	RPD [DUL091-10]	Total Nitrogen (N)	2025/10/10	NC		%	20
C118021	IC4	Matrix Spike	Dissolved Mercury (Hg)	2025/10/10		NC	%	80 - 120
C118021	IC4	Spiked Blank	Dissolved Mercury (Hg)	2025/10/10		103	%	80 - 120
C118021	IC4	Method Blank	Dissolved Mercury (Hg)	2025/10/10	ND, RDL=0.0019		ug/L	
C118021	IC4	RPD	Dissolved Mercury (Hg)	2025/10/10	0.20		%	20
C118624	AA1	Matrix Spike	Total Aluminum (Al)	2025/10/10		94	%	80 - 120
			Total Antimony (Sb)	2025/10/10		98	%	80 - 120
			Total Arsenic (As)	2025/10/10		102	%	80 - 120
			Total Barium (Ba)	2025/10/10		NC	%	80 - 120
			Total Beryllium (Be)	2025/10/10		102	%	80 - 120
			Total Bismuth (Bi)	2025/10/10		93	%	80 - 120
			Total Boron (B)	2025/10/10		97	%	80 - 120
			Total Cadmium (Cd)	2025/10/10		99	%	80 - 120
			Total Cesium (Cs)	2025/10/10		97	%	80 - 120
			Total Chromium (Cr)	2025/10/10		96	%	80 - 120
			Total Cobalt (Co)	2025/10/10		90	%	80 - 120
			Total Copper (Cu)	2025/10/10		94	%	80 - 120
			Total Iron (Fe)	2025/10/10		100	%	80 - 120
			Total Lead (Pb)	2025/10/10		95	%	80 - 120
			Total Lithium (Li)	2025/10/10		97	%	80 - 120
			Total Manganese (Mn)	2025/10/10		96	%	80 - 120
			Total Molybdenum (Mo)	2025/10/10		98	%	80 - 120
			Total Nickel (Ni)	2025/10/10		94	%	80 - 120
			Total Phosphorus (P)	2025/10/10		99	%	80 - 120
			Total Rubidium (Rb)	2025/10/10		99	%	80 - 120
			Total Selenium (Se)	2025/10/10		102	%	80 - 120
			Total Silicon (Si)	2025/10/10		NC	%	80 - 120
			Total Silver (Ag)	2025/10/10		97	%	80 - 120
			Total Strontium (Sr)	2025/10/10		NC	%	80 - 120
			Total Tellurium (Te)	2025/10/10		101	%	80 - 120
			Total Thallium (Tl)	2025/10/10		95	%	80 - 120
			Total Thorium (Th)	2025/10/10		95	%	80 - 120
			Total Tin (Sn)	2025/10/10		101	%	80 - 120
			Total Titanium (Ti)	2025/10/10		99	%	80 - 120
			Total Uranium (U)	2025/10/10		97	%	80 - 120
			Total Vanadium (V)	2025/10/10		99	%	80 - 120
			Total Zinc (Zn)	2025/10/10		98	%	80 - 120
			Total Zirconium (Zr)	2025/10/10		102	%	80 - 120
C118624	AA1	Spiked Blank	Total Aluminum (Al)	2025/10/10		96	%	80 - 120
			Total Antimony (Sb)	2025/10/10		100	%	80 - 120
			Total Arsenic (As)	2025/10/10		102	%	80 - 120
			Total Barium (Ba)	2025/10/10		99	%	80 - 120
			Total Beryllium (Be)	2025/10/10		98	%	80 - 120
			Total Bismuth (Bi)	2025/10/10		94	%	80 - 120
			Total Boron (B)	2025/10/10		92	%	80 - 120
			Total Cadmium (Cd)	2025/10/10		100	%	80 - 120
			Total Cesium (Cs)	2025/10/10		100	%	80 - 120
			Total Chromium (Cr)	2025/10/10		99	%	80 - 120



QUALITY ASSURANCE REPORT(CONT'D)

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
			Total Cobalt (Co)	2025/10/10		94	%	80 - 120
			Total Copper (Cu)	2025/10/10		98	%	80 - 120
			Total Iron (Fe)	2025/10/10		101	%	80 - 120
			Total Lead (Pb)	2025/10/10		95	%	80 - 120
			Total Lithium (Li)	2025/10/10		96	%	80 - 120
			Total Manganese (Mn)	2025/10/10		99	%	80 - 120
			Total Molybdenum (Mo)	2025/10/10		99	%	80 - 120
			Total Nickel (Ni)	2025/10/10		99	%	80 - 120
			Total Phosphorus (P)	2025/10/10		99	%	80 - 120
			Total Rubidium (Rb)	2025/10/10		97	%	80 - 120
			Total Selenium (Se)	2025/10/10		98	%	80 - 120
			Total Silicon (Si)	2025/10/10		99	%	80 - 120
			Total Silver (Ag)	2025/10/10		96	%	80 - 120
			Total Strontium (Sr)	2025/10/10		98	%	80 - 120
			Total Tellurium (Te)	2025/10/10		97	%	80 - 120
			Total Thallium (Tl)	2025/10/10		96	%	80 - 120
			Total Thorium (Th)	2025/10/10		93	%	80 - 120
			Total Tin (Sn)	2025/10/10		100	%	80 - 120
			Total Titanium (Ti)	2025/10/10		102	%	80 - 120
			Total Uranium (U)	2025/10/10		90	%	80 - 120
			Total Vanadium (V)	2025/10/10		100	%	80 - 120
			Total Zinc (Zn)	2025/10/10		103	%	80 - 120
			Total Zirconium (Zr)	2025/10/10		98	%	80 - 120
C118624	AA1	Method Blank	Total Aluminum (Al)	2025/10/10	ND, RDL=0.50		ug/L	
			Total Antimony (Sb)	2025/10/10	ND, RDL=0.020		ug/L	
			Total Arsenic (As)	2025/10/10	ND, RDL=0.020		ug/L	
			Total Barium (Ba)	2025/10/10	ND, RDL=0.020		ug/L	
			Total Beryllium (Be)	2025/10/10	ND, RDL=0.010		ug/L	
			Total Bismuth (Bi)	2025/10/10	ND, RDL=0.0050		ug/L	
			Total Boron (B)	2025/10/10	ND, RDL=10		ug/L	
			Total Cadmium (Cd)	2025/10/10	ND, RDL=0.0050		ug/L	
			Total Cesium (Cs)	2025/10/10	ND, RDL=0.050		ug/L	
			Total Chromium (Cr)	2025/10/10	ND, RDL=0.10		ug/L	
			Total Cobalt (Co)	2025/10/10	ND, RDL=0.0050		ug/L	
			Total Copper (Cu)	2025/10/10	ND, RDL=0.050		ug/L	
			Total Iron (Fe)	2025/10/10	ND, RDL=1.0		ug/L	
			Total Lead (Pb)	2025/10/10	ND, RDL=0.0050		ug/L	
			Total Lithium (Li)	2025/10/10	ND, RDL=0.50		ug/L	



BUREAU
VERITAS

Bureau Veritas Job #: C584257

Report Date: 2025/10/22

HATFIELD CONSULTANTS

Client Project #: FORTIS11234/PE-110163

Site Location: WOODFIBRE PIPELINE PROJECT

Your P.O. #: 4800010213

QUALITY ASSURANCE REPORT(CONT'D)

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
			Total Manganese (Mn)	2025/10/10	ND, RDL=0.050		ug/L	
			Total Molybdenum (Mo)	2025/10/10	ND, RDL=0.050		ug/L	
			Total Nickel (Ni)	2025/10/10	ND, RDL=0.020		ug/L	
			Total Phosphorus (P)	2025/10/10	ND, RDL=2.0		ug/L	
			Total Rubidium (Rb)	2025/10/10	ND, RDL=0.050		ug/L	
			Total Selenium (Se)	2025/10/10	ND, RDL=0.040		ug/L	
			Total Silicon (Si)	2025/10/10	ND, RDL=50		ug/L	
			Total Silver (Ag)	2025/10/10	ND, RDL=0.0050		ug/L	
			Total Strontium (Sr)	2025/10/10	ND, RDL=0.050		ug/L	
			Total Tellurium (Te)	2025/10/10	ND, RDL=0.020		ug/L	
			Total Thallium (Tl)	2025/10/10	ND, RDL=0.0020		ug/L	
			Total Thorium (Th)	2025/10/10	ND, RDL=0.050		ug/L	
			Total Tin (Sn)	2025/10/10	ND, RDL=0.20		ug/L	
			Total Titanium (Ti)	2025/10/10	ND, RDL=0.50		ug/L	
			Total Uranium (U)	2025/10/10	ND, RDL=0.0020		ug/L	
			Total Vanadium (V)	2025/10/10	ND, RDL=0.20		ug/L	
			Total Zinc (Zn)	2025/10/10	ND, RDL=0.10		ug/L	
			Total Zirconium (Zr)	2025/10/10	ND, RDL=0.10		ug/L	
C118624	AA1	RPD	Total Aluminum (Al)	2025/10/10	2.9		%	20
			Total Antimony (Sb)	2025/10/10	5.9		%	20
			Total Arsenic (As)	2025/10/10	3.2		%	20
			Total Barium (Ba)	2025/10/10	0.30		%	20
			Total Beryllium (Be)	2025/10/10	NC		%	20
			Total Bismuth (Bi)	2025/10/10	NC		%	20
			Total Boron (B)	2025/10/10	NC		%	20
			Total Cadmium (Cd)	2025/10/10	NC		%	20
			Total Chromium (Cr)	2025/10/10	NC		%	20
			Total Cobalt (Co)	2025/10/10	6.0		%	20
			Total Copper (Cu)	2025/10/10	2.7		%	20
			Total Iron (Fe)	2025/10/10	0.43		%	20
			Total Lead (Pb)	2025/10/10	NC		%	20
			Total Lithium (Li)	2025/10/10	2.8		%	20
			Total Manganese (Mn)	2025/10/10	1.7		%	20
			Total Molybdenum (Mo)	2025/10/10	4.4		%	20
			Total Nickel (Ni)	2025/10/10	NC		%	20
			Total Phosphorus (P)	2025/10/10	NC		%	20



QUALITY ASSURANCE REPORT(CONT'D)

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
			Total Selenium (Se)	2025/10/10	0.66		%	20
			Total Silicon (Si)	2025/10/10	3.7		%	20
			Total Silver (Ag)	2025/10/10	NC		%	20
			Total Strontium (Sr)	2025/10/10	0.98		%	20
			Total Thallium (Tl)	2025/10/10	NC		%	20
			Total Tin (Sn)	2025/10/10	NC		%	20
			Total Titanium (Ti)	2025/10/10	NC		%	20
			Total Uranium (U)	2025/10/10	2.4		%	20
			Total Vanadium (V)	2025/10/10	9.8		%	20
			Total Zinc (Zn)	2025/10/10	6.4		%	20
			Total Zirconium (Zr)	2025/10/10	NC		%	20
			Total Aluminum (Al)	2025/10/10	NC		%	20
			Total Antimony (Sb)	2025/10/10	NC		%	20
			Total Arsenic (As)	2025/10/10	NC		%	20
			Total Barium (Ba)	2025/10/10	NC		%	20
			Total Beryllium (Be)	2025/10/10	NC		%	20
			Total Bismuth (Bi)	2025/10/10	NC		%	20
			Total Boron (B)	2025/10/10	NC		%	20
			Total Cadmium (Cd)	2025/10/10	NC		%	20
			Total Chromium (Cr)	2025/10/10	NC		%	20
			Total Cobalt (Co)	2025/10/10	NC		%	20
			Total Copper (Cu)	2025/10/10	NC		%	20
			Total Iron (Fe)	2025/10/10	NC		%	20
			Total Lead (Pb)	2025/10/10	3.0		%	20
			Total Lithium (Li)	2025/10/10	NC		%	20
			Total Manganese (Mn)	2025/10/10	16		%	20
			Total Molybdenum (Mo)	2025/10/10	NC		%	20
			Total Nickel (Ni)	2025/10/10	NC		%	20
			Total Phosphorus (P)	2025/10/10	6.1		%	20
			Total Selenium (Se)	2025/10/10	NC		%	20
			Total Silicon (Si)	2025/10/10	NC		%	20
			Total Silver (Ag)	2025/10/10	NC		%	20
			Total Strontium (Sr)	2025/10/10	NC		%	20
			Total Thallium (Tl)	2025/10/10	NC		%	20
			Total Tin (Sn)	2025/10/10	NC		%	20
			Total Titanium (Ti)	2025/10/10	NC		%	20
			Total Uranium (U)	2025/10/10	4.9		%	20
			Total Vanadium (V)	2025/10/10	NC		%	20
			Total Zinc (Zn)	2025/10/10	0.27		%	20
			Total Zirconium (Zr)	2025/10/10	NC		%	20
C118624	AA1	RPD [DUL091-09]	Total Aluminum (Al)	2025/10/10	15		%	20
			Total Antimony (Sb)	2025/10/10	NC		%	20
			Total Arsenic (As)	2025/10/10	NC		%	20
			Total Barium (Ba)	2025/10/10	NC		%	20
			Total Beryllium (Be)	2025/10/10	NC		%	20
			Total Bismuth (Bi)	2025/10/10	NC		%	20
			Total Boron (B)	2025/10/10	NC		%	20
			Total Cadmium (Cd)	2025/10/10	NC		%	20
			Total Cesium (Cs)	2025/10/10	NC		%	20
			Total Chromium (Cr)	2025/10/10	NC		%	20
			Total Cobalt (Co)	2025/10/10	NC		%	20
			Total Copper (Cu)	2025/10/10	NC		%	20
			Total Iron (Fe)	2025/10/10	5.6		%	20



QUALITY ASSURANCE REPORT(CONT'D)

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
			Total Lead (Pb)	2025/10/10	2.0		%	20
			Total Lithium (Li)	2025/10/10	NC		%	20
			Total Manganese (Mn)	2025/10/10	14		%	20
			Total Molybdenum (Mo)	2025/10/10	NC		%	20
			Total Nickel (Ni)	2025/10/10	8.6		%	20
			Total Phosphorus (P)	2025/10/10	8.1		%	20
			Total Rubidium (Rb)	2025/10/10	NC		%	20
			Total Selenium (Se)	2025/10/10	NC		%	20
			Total Silicon (Si)	2025/10/10	NC		%	20
			Total Silver (Ag)	2025/10/10	NC		%	20
			Total Strontium (Sr)	2025/10/10	NC		%	20
			Total Tellurium (Te)	2025/10/10	NC		%	20
			Total Thallium (Tl)	2025/10/10	NC		%	20
			Total Thorium (Th)	2025/10/10	NC		%	20
			Total Tin (Sn)	2025/10/10	NC		%	20
			Total Titanium (Ti)	2025/10/10	NC		%	20
			Total Uranium (U)	2025/10/10	NC		%	20
			Total Vanadium (V)	2025/10/10	NC		%	20
			Total Zinc (Zn)	2025/10/10	0.048		%	20
			Total Zirconium (Zr)	2025/10/10	NC		%	20
C119369	IC4	Matrix Spike	Total Mercury (Hg)	2025/10/10		102	%	80 - 120
C119369	IC4	Spiked Blank	Total Mercury (Hg)	2025/10/10		98	%	80 - 120
C119369	IC4	Method Blank	Total Mercury (Hg)	2025/10/10	ND, RDL=0.0019		ug/L	
C119369	IC4	RPD	Total Mercury (Hg)	2025/10/10	NC		%	20
C119372	IC4	Matrix Spike [DUL088-06]	Total Mercury (Hg)	2025/10/10		105	%	80 - 120
C119372	IC4	Spiked Blank	Total Mercury (Hg)	2025/10/10		104	%	80 - 120
C119372	IC4	Method Blank	Total Mercury (Hg)	2025/10/10	ND, RDL=0.0019		ug/L	
C119372	IC4	RPD [DUL088-06]	Total Mercury (Hg)	2025/10/10	NC		%	20
C119425	BTM	Matrix Spike	Dissolved Organic Carbon (C)	2025/10/10		91	%	80 - 120
C119425	BTM	Spiked Blank	Dissolved Organic Carbon (C)	2025/10/10		101	%	80 - 120
C119425	BTM	Method Blank	Dissolved Organic Carbon (C)	2025/10/10	ND, RDL=0.50		mg/L	
C119425	BTM	RPD	Dissolved Organic Carbon (C)	2025/10/10	4.3		%	20
C119596	BTM	Matrix Spike [DUL086-10]	Total Organic Carbon (C)	2025/10/10		95	%	80 - 120
C119596	BTM	Spiked Blank	Total Organic Carbon (C)	2025/10/10		99	%	80 - 120
C119596	BTM	Method Blank	Total Organic Carbon (C)	2025/10/10	ND, RDL=0.50		mg/L	
C119596	BTM	RPD [DUL086-10]	Total Organic Carbon (C)	2025/10/10	2.1		%	20
C119602	KA5	Matrix Spike	Total Dissolved Solids	2025/10/14		103	%	80 - 120
C119602	KA5	Spiked Blank	Total Dissolved Solids	2025/10/14		94	%	80 - 120
C119602	KA5	Method Blank	Total Dissolved Solids	2025/10/14	ND, RDL=10		mg/L	
C119602	KA5	RPD	Total Dissolved Solids	2025/10/14	4.8		%	20
C119674	CBK	Matrix Spike	Chloride (Cl)	2025/10/10		112	%	80 - 120
			Sulphate (SO4)	2025/10/10		118	%	80 - 120
C119674	CBK	Spiked Blank	Chloride (Cl)	2025/10/10		98	%	80 - 120
			Sulphate (SO4)	2025/10/10		101	%	80 - 120
C119674	CBK	Method Blank	Chloride (Cl)	2025/10/10	ND, RDL=1.0		mg/L	
			Sulphate (SO4)	2025/10/10	ND, RDL=1.0		mg/L	



BUREAU
VERITAS

Bureau Veritas Job #: C584257

Report Date: 2025/10/22

HATFIELD CONSULTANTS

Client Project #: FORTIS11234/PE-110163

Site Location: WOODFIBRE PIPELINE PROJECT

Your P.O. #: 4800010213

QUALITY ASSURANCE REPORT(CONT'D)

QA/QC	Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
	C119674	CBK	RPD	Chloride (Cl)	2025/10/10	10		%	20
				Sulphate (SO4)	2025/10/10	NC		%	20
	C119690	JGL	Matrix Spike	Nitrate plus Nitrite (N)	2025/10/10		107	%	80 - 120
	C119690	JGL	Spiked Blank	Nitrate plus Nitrite (N)	2025/10/10		110	%	80 - 120
	C119690	JGL	Method Blank	Nitrate plus Nitrite (N)	2025/10/10	ND, RDL=0.020		mg/L	
	C119690	JGL	RPD	Nitrate plus Nitrite (N)	2025/10/10	0.94		%	25
	C119697	AA1	Matrix Spike	Total Aluminum (Al)	2025/10/10		104	%	80 - 120
				Total Antimony (Sb)	2025/10/10		103	%	80 - 120
				Total Arsenic (As)	2025/10/10		107	%	80 - 120
				Total Barium (Ba)	2025/10/10		99	%	80 - 120
				Total Beryllium (Be)	2025/10/10		111	%	80 - 120
				Total Bismuth (Bi)	2025/10/10		96	%	80 - 120
				Total Boron (B)	2025/10/10		110	%	80 - 120
				Total Cadmium (Cd)	2025/10/10		106	%	80 - 120
				Total Cesium (Cs)	2025/10/10		103	%	80 - 120
				Total Chromium (Cr)	2025/10/10		103	%	80 - 120
				Total Cobalt (Co)	2025/10/10		96	%	80 - 120
				Total Copper (Cu)	2025/10/10		97	%	80 - 120
				Total Iron (Fe)	2025/10/10		109	%	80 - 120
				Total Lead (Pb)	2025/10/10		98	%	80 - 120
				Total Lithium (Li)	2025/10/10		106	%	80 - 120
				Total Manganese (Mn)	2025/10/10		104	%	80 - 120
				Total Molybdenum (Mo)	2025/10/10		104	%	80 - 120
				Total Nickel (Ni)	2025/10/10		98	%	80 - 120
				Total Phosphorus (P)	2025/10/10		109	%	80 - 120
				Total Rubidium (Rb)	2025/10/10		97	%	80 - 120
				Total Selenium (Se)	2025/10/10		106	%	80 - 120
				Total Silicon (Si)	2025/10/10		105	%	80 - 120
				Total Silver (Ag)	2025/10/10		101	%	80 - 120
				Total Strontium (Sr)	2025/10/10		NC	%	80 - 120
				Total Tellurium (Te)	2025/10/10		108	%	80 - 120
				Total Thallium (Tl)	2025/10/10		99	%	80 - 120
				Total Thorium (Th)	2025/10/10		98	%	80 - 120
				Total Tin (Sn)	2025/10/10		104	%	80 - 120
				Total Titanium (Ti)	2025/10/10		108	%	80 - 120
				Total Uranium (U)	2025/10/10		95	%	80 - 120
				Total Vanadium (V)	2025/10/10		106	%	80 - 120
				Total Zinc (Zn)	2025/10/10		103	%	80 - 120
				Total Zirconium (Zr)	2025/10/10		106	%	80 - 120
	C119697	AA1	Spiked Blank	Total Aluminum (Al)	2025/10/10		102	%	80 - 120
				Total Antimony (Sb)	2025/10/10		103	%	80 - 120
				Total Arsenic (As)	2025/10/10		105	%	80 - 120
				Total Barium (Ba)	2025/10/10		103	%	80 - 120
				Total Beryllium (Be)	2025/10/10		111	%	80 - 120
				Total Bismuth (Bi)	2025/10/10		98	%	80 - 120
				Total Boron (B)	2025/10/10		113	%	80 - 120
				Total Cadmium (Cd)	2025/10/10		104	%	80 - 120
				Total Cesium (Cs)	2025/10/10		103	%	80 - 120
				Total Chromium (Cr)	2025/10/10		105	%	80 - 120
				Total Cobalt (Co)	2025/10/10		99	%	80 - 120
				Total Copper (Cu)	2025/10/10		102	%	80 - 120
				Total Iron (Fe)	2025/10/10		107	%	80 - 120



QUALITY ASSURANCE REPORT(CONT'D)

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
			Total Lead (Pb)	2025/10/10		100	%	80 - 120
			Total Lithium (Li)	2025/10/10		109	%	80 - 120
			Total Manganese (Mn)	2025/10/10		105	%	80 - 120
			Total Molybdenum (Mo)	2025/10/10		101	%	80 - 120
			Total Nickel (Ni)	2025/10/10		103	%	80 - 120
			Total Phosphorus (P)	2025/10/10		106	%	80 - 120
			Total Rubidium (Rb)	2025/10/10		101	%	80 - 120
			Total Selenium (Se)	2025/10/10		103	%	80 - 120
			Total Silicon (Si)	2025/10/10		106	%	80 - 120
			Total Silver (Ag)	2025/10/10		99	%	80 - 120
			Total Strontium (Sr)	2025/10/10		103	%	80 - 120
			Total Tellurium (Te)	2025/10/10		103	%	80 - 120
			Total Thallium (Tl)	2025/10/10		100	%	80 - 120
			Total Thorium (Th)	2025/10/10		97	%	80 - 120
			Total Tin (Sn)	2025/10/10		106	%	80 - 120
			Total Titanium (Ti)	2025/10/10		107	%	80 - 120
			Total Uranium (U)	2025/10/10		90	%	80 - 120
			Total Vanadium (V)	2025/10/10		106	%	80 - 120
			Total Zinc (Zn)	2025/10/10		112	%	80 - 120
			Total Zirconium (Zr)	2025/10/10		103	%	80 - 120
C119697	AA1	Method Blank	Total Aluminum (Al)	2025/10/10	ND, RDL=3.0		ug/L	
			Total Antimony (Sb)	2025/10/10	ND, RDL=0.020		ug/L	
			Total Arsenic (As)	2025/10/10	ND, RDL=0.020		ug/L	
			Total Barium (Ba)	2025/10/10	ND, RDL=0.050		ug/L	
			Total Beryllium (Be)	2025/10/10	ND, RDL=0.010		ug/L	
			Total Bismuth (Bi)	2025/10/10	ND, RDL=0.010		ug/L	
			Total Boron (B)	2025/10/10	ND, RDL=10		ug/L	
			Total Cadmium (Cd)	2025/10/10	ND, RDL=0.0050		ug/L	
			Total Cesium (Cs)	2025/10/10	ND, RDL=0.050		ug/L	
			Total Chromium (Cr)	2025/10/10	ND, RDL=0.10		ug/L	
			Total Cobalt (Co)	2025/10/10	ND, RDL=0.010		ug/L	
			Total Copper (Cu)	2025/10/10	ND, RDL=0.10		ug/L	
			Total Iron (Fe)	2025/10/10	ND, RDL=5.0		ug/L	
			Total Lead (Pb)	2025/10/10	ND, RDL=0.020		ug/L	
			Total Lithium (Li)	2025/10/10	ND, RDL=0.50		ug/L	
			Total Manganese (Mn)	2025/10/10	ND, RDL=0.10		ug/L	
			Total Molybdenum (Mo)	2025/10/10	ND, RDL=0.050		ug/L	



QUALITY ASSURANCE REPORT(CONT'D)

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
			Total Nickel (Ni)	2025/10/10	ND, RDL=0.10		ug/L	
			Total Phosphorus (P)	2025/10/10	ND, RDL=5.0		ug/L	
			Total Rubidium (Rb)	2025/10/10	ND, RDL=0.050		ug/L	
			Total Selenium (Se)	2025/10/10	ND, RDL=0.040		ug/L	
			Total Silicon (Si)	2025/10/10	ND, RDL=50		ug/L	
			Total Silver (Ag)	2025/10/10	ND, RDL=0.010		ug/L	
			Total Strontium (Sr)	2025/10/10	ND, RDL=0.050		ug/L	
			Total Tellurium (Te)	2025/10/10	ND, RDL=0.020		ug/L	
			Total Thallium (Tl)	2025/10/10	ND, RDL=0.0020		ug/L	
			Total Thorium (Th)	2025/10/10	ND, RDL=0.050		ug/L	
			Total Tin (Sn)	2025/10/10	ND, RDL=0.20		ug/L	
			Total Titanium (Ti)	2025/10/10	ND, RDL=2.0		ug/L	
			Total Uranium (U)	2025/10/10	ND, RDL=0.0050		ug/L	
			Total Vanadium (V)	2025/10/10	ND, RDL=0.20		ug/L	
			Total Zinc (Zn)	2025/10/10	ND, RDL=1.0		ug/L	
			Total Zirconium (Zr)	2025/10/10	ND, RDL=0.10		ug/L	
C119697	AA1	RPD	Total Aluminum (Al)	2025/10/10	6.8		%	20
			Total Antimony (Sb)	2025/10/10	1.1		%	20
			Total Arsenic (As)	2025/10/10	0.40		%	20
			Total Barium (Ba)	2025/10/10	0.59		%	20
			Total Beryllium (Be)	2025/10/10	NC		%	20
			Total Bismuth (Bi)	2025/10/10	6.9		%	20
			Total Boron (B)	2025/10/10	0.028		%	20
			Total Cadmium (Cd)	2025/10/10	2.2		%	20
			Total Chromium (Cr)	2025/10/10	11		%	20
			Total Cobalt (Co)	2025/10/10	1.2		%	20
			Total Copper (Cu)	2025/10/10	2.0		%	20
			Total Iron (Fe)	2025/10/10	3.4		%	20
			Total Lead (Pb)	2025/10/10	5.2		%	20
			Total Lithium (Li)	2025/10/10	4.8		%	20
			Total Manganese (Mn)	2025/10/10	3.9		%	20
			Total Molybdenum (Mo)	2025/10/10	0.94		%	20
			Total Nickel (Ni)	2025/10/10	1.8		%	20
			Total Phosphorus (P)	2025/10/10	12		%	20
			Total Selenium (Se)	2025/10/10	8.0		%	20
			Total Silicon (Si)	2025/10/10	4.7		%	20
			Total Silver (Ag)	2025/10/10	17		%	20
			Total Strontium (Sr)	2025/10/10	1.2		%	20



QUALITY ASSURANCE REPORT(CONT'D)

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
			Total Thallium (Tl)	2025/10/10	4.3		%	20
			Total Tin (Sn)	2025/10/10	NC		%	20
			Total Titanium (Ti)	2025/10/10	NC		%	20
			Total Uranium (U)	2025/10/10	1.2		%	20
			Total Vanadium (V)	2025/10/10	3.0		%	20
			Total Zinc (Zn)	2025/10/10	0.057		%	20
			Total Zirconium (Zr)	2025/10/10	NC		%	20
C119701	JGL	Matrix Spike	Nitrite (N)	2025/10/10		111	%	80 - 120
C119701	JGL	Spiked Blank	Nitrite (N)	2025/10/10		103	%	80 - 120
C119701	JGL	Method Blank	Nitrite (N)	2025/10/10	ND, RDL=0.0050		mg/L	
C119701	JGL	RPD	Nitrite (N)	2025/10/10	1.5		%	20
C119863	CBK	Matrix Spike	Chloride (Cl)	2025/10/10		107	%	80 - 120
			Sulphate (SO4)	2025/10/10		NC	%	80 - 120
C119863	CBK	Spiked Blank	Chloride (Cl)	2025/10/10		98	%	80 - 120
			Sulphate (SO4)	2025/10/10		102	%	80 - 120
C119863	CBK	Method Blank	Chloride (Cl)	2025/10/10	ND, RDL=1.0		mg/L	
			Sulphate (SO4)	2025/10/10	ND, RDL=1.0		mg/L	
C119863	CBK	RPD	Chloride (Cl)	2025/10/10	NC		%	20
			Sulphate (SO4)	2025/10/10	1.5		%	20
C119957	GCM	Matrix Spike [DUL091-10]	Total Phosphorus (P)	2025/10/11		99	%	N/A
C119957	GCM	Spiked Blank	Total Phosphorus (P)	2025/10/11		115	%	80 - 120
C119957	GCM	Method Blank	Total Phosphorus (P)	2025/10/11	ND, RDL=0.0010		mg/L	
C119957	GCM	RPD [DUL091-10]	Total Phosphorus (P)	2025/10/11	NC		%	20
C120283	AA1	Matrix Spike [DUL090-09]	Total Aluminum (Al)	2025/10/16		NC	%	80 - 120
			Total Antimony (Sb)	2025/10/16		98	%	80 - 120
			Total Arsenic (As)	2025/10/16		101	%	80 - 120
			Total Barium (Ba)	2025/10/16		100	%	80 - 120
			Total Beryllium (Be)	2025/10/16		100	%	80 - 120
			Total Bismuth (Bi)	2025/10/16		95	%	80 - 120
			Total Boron (B)	2025/10/16		101	%	80 - 120
			Total Cadmium (Cd)	2025/10/16		100	%	80 - 120
			Total Cesium (Cs)	2025/10/16		96	%	80 - 120
			Total Chromium (Cr)	2025/10/16		101	%	80 - 120
			Total Cobalt (Co)	2025/10/16		91	%	80 - 120
			Total Copper (Cu)	2025/10/16		92	%	80 - 120
			Total Iron (Fe)	2025/10/16		NC	%	80 - 120
			Total Lead (Pb)	2025/10/16		97	%	80 - 120
			Total Lithium (Li)	2025/10/16		98	%	80 - 120
			Total Manganese (Mn)	2025/10/16		99	%	80 - 120
			Total Molybdenum (Mo)	2025/10/16		98	%	80 - 120
			Total Nickel (Ni)	2025/10/16		96	%	80 - 120
			Total Phosphorus (P)	2025/10/16		97	%	80 - 120
			Total Rubidium (Rb)	2025/10/16		99	%	80 - 120
			Total Selenium (Se)	2025/10/16		100	%	80 - 120
			Total Silicon (Si)	2025/10/16		92	%	80 - 120
			Total Silver (Ag)	2025/10/16		94	%	80 - 120
			Total Strontium (Sr)	2025/10/16		97	%	80 - 120
			Total Tellurium (Te)	2025/10/16		103	%	80 - 120
			Total Thallium (Tl)	2025/10/16		97	%	80 - 120



QUALITY ASSURANCE REPORT(CONT'D)

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
C120283	AA1	Spiked Blank	Total Thorium (Th)	2025/10/16		101	%	80 - 120
			Total Tin (Sn)	2025/10/16		98	%	80 - 120
			Total Titanium (Ti)	2025/10/16		104	%	80 - 120
			Total Uranium (U)	2025/10/16		100	%	80 - 120
			Total Vanadium (V)	2025/10/16		101	%	80 - 120
			Total Zinc (Zn)	2025/10/16		98	%	80 - 120
			Total Zirconium (Zr)	2025/10/16		100	%	80 - 120
			Total Aluminum (Al)	2025/10/16		105	%	80 - 120
			Total Antimony (Sb)	2025/10/16		106	%	80 - 120
			Total Arsenic (As)	2025/10/16		108	%	80 - 120
			Total Barium (Ba)	2025/10/16		105	%	80 - 120
			Total Beryllium (Be)	2025/10/16		107	%	80 - 120
			Total Bismuth (Bi)	2025/10/16		102	%	80 - 120
			Total Boron (B)	2025/10/16		110	%	80 - 120
			Total Cadmium (Cd)	2025/10/16		107	%	80 - 120
			Total Cesium (Cs)	2025/10/16		103	%	80 - 120
			Total Chromium (Cr)	2025/10/16		102	%	80 - 120
			Total Cobalt (Co)	2025/10/16		102	%	80 - 120
			Total Copper (Cu)	2025/10/16		100	%	80 - 120
			Total Iron (Fe)	2025/10/16		104	%	80 - 120
			Total Lead (Pb)	2025/10/16		102	%	80 - 120
			Total Lithium (Li)	2025/10/16		101	%	80 - 120
			Total Manganese (Mn)	2025/10/16		102	%	80 - 120
			Total Molybdenum (Mo)	2025/10/16		107	%	80 - 120
			Total Nickel (Ni)	2025/10/16		100	%	80 - 120
			Total Phosphorus (P)	2025/10/16		107	%	80 - 120
			Total Rubidium (Rb)	2025/10/16		106	%	80 - 120
			Total Selenium (Se)	2025/10/16		105	%	80 - 120
			Total Silicon (Si)	2025/10/16		108	%	80 - 120
			Total Silver (Ag)	2025/10/16		102	%	80 - 120
			Total Strontium (Sr)	2025/10/16		109	%	80 - 120
			Total Tellurium (Te)	2025/10/16		106	%	80 - 120
			Total Thallium (Tl)	2025/10/16		103	%	80 - 120
Total Thorium (Th)	2025/10/16		101	%	80 - 120			
Total Tin (Sn)	2025/10/16		106	%	80 - 120			
Total Titanium (Ti)	2025/10/16		103	%	80 - 120			
Total Uranium (U)	2025/10/16		98	%	80 - 120			
Total Vanadium (V)	2025/10/16		102	%	80 - 120			
Total Zinc (Zn)	2025/10/16		104	%	80 - 120			
Total Zirconium (Zr)	2025/10/16		108	%	80 - 120			
C120283	AA1	Method Blank	Total Aluminum (Al)	2025/10/16	ND, RDL=3.0		ug/L	
			Total Antimony (Sb)	2025/10/16	ND, RDL=0.020		ug/L	
			Total Arsenic (As)	2025/10/16	ND, RDL=0.020		ug/L	
			Total Barium (Ba)	2025/10/16	ND, RDL=0.050		ug/L	
			Total Beryllium (Be)	2025/10/16	ND, RDL=0.010		ug/L	
			Total Bismuth (Bi)	2025/10/16	ND, RDL=0.010		ug/L	



QUALITY ASSURANCE REPORT(CONT'D)

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
			Total Boron (B)	2025/10/16	ND, RDL=10		ug/L	
			Total Cadmium (Cd)	2025/10/16	ND, RDL=0.0050		ug/L	
			Total Cesium (Cs)	2025/10/16	ND, RDL=0.050		ug/L	
			Total Chromium (Cr)	2025/10/16	ND, RDL=0.10		ug/L	
			Total Cobalt (Co)	2025/10/16	ND, RDL=0.010		ug/L	
			Total Copper (Cu)	2025/10/16	ND, RDL=0.10		ug/L	
			Total Iron (Fe)	2025/10/16	ND, RDL=5.0		ug/L	
			Total Lead (Pb)	2025/10/16	ND, RDL=0.020		ug/L	
			Total Lithium (Li)	2025/10/16	ND, RDL=0.50		ug/L	
			Total Manganese (Mn)	2025/10/16	ND, RDL=0.10		ug/L	
			Total Molybdenum (Mo)	2025/10/16	ND, RDL=0.050		ug/L	
			Total Nickel (Ni)	2025/10/16	ND, RDL=0.10		ug/L	
			Total Phosphorus (P)	2025/10/16	ND, RDL=5.0		ug/L	
			Total Rubidium (Rb)	2025/10/16	ND, RDL=0.050		ug/L	
			Total Selenium (Se)	2025/10/16	ND, RDL=0.040		ug/L	
			Total Silicon (Si)	2025/10/16	ND, RDL=50		ug/L	
			Total Silver (Ag)	2025/10/16	ND, RDL=0.010		ug/L	
			Total Strontium (Sr)	2025/10/16	ND, RDL=0.050		ug/L	
			Total Tellurium (Te)	2025/10/16	ND, RDL=0.020		ug/L	
			Total Thallium (Tl)	2025/10/16	ND, RDL=0.0020		ug/L	
			Total Thorium (Th)	2025/10/16	ND, RDL=0.050		ug/L	
			Total Tin (Sn)	2025/10/16	ND, RDL=0.20		ug/L	
			Total Titanium (Ti)	2025/10/16	ND, RDL=2.0		ug/L	
			Total Uranium (U)	2025/10/16	ND, RDL=0.0050		ug/L	
			Total Vanadium (V)	2025/10/16	ND, RDL=0.20		ug/L	
			Total Zinc (Zn)	2025/10/16	ND, RDL=1.0		ug/L	
			Total Zirconium (Zr)	2025/10/16	ND, RDL=0.10		ug/L	



QUALITY ASSURANCE REPORT(CONT'D)

QA/QC	Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
C120283	AA1	RPD	Total Aluminum (Al)	2025/10/16	6.6		%	20	
			Total Antimony (Sb)	2025/10/16	0.61		%	20	
			Total Arsenic (As)	2025/10/16	4.9		%	20	
			Total Barium (Ba)	2025/10/16	0.96		%	20	
			Total Beryllium (Be)	2025/10/16	2.0		%	20	
			Total Bismuth (Bi)	2025/10/16	NC		%	20	
			Total Boron (B)	2025/10/16	NC		%	20	
			Total Cadmium (Cd)	2025/10/16	NC		%	20	
			Total Chromium (Cr)	2025/10/16	4.7		%	20	
			Total Cobalt (Co)	2025/10/16	5.6		%	20	
			Total Copper (Cu)	2025/10/16	2.3		%	20	
			Total Iron (Fe)	2025/10/16	8.3		%	20	
			Total Lead (Pb)	2025/10/16	2.5		%	20	
			Total Lithium (Li)	2025/10/16	4.1		%	20	
			Total Manganese (Mn)	2025/10/16	1.2		%	20	
			Total Molybdenum (Mo)	2025/10/16	1.7		%	20	
			Total Nickel (Ni)	2025/10/16	13		%	20	
			Total Phosphorus (P)	2025/10/16	0.11		%	20	
			Total Selenium (Se)	2025/10/16	3.8		%	20	
			Total Silicon (Si)	2025/10/16	0.86		%	20	
			Total Silver (Ag)	2025/10/16	NC		%	20	
			Total Strontium (Sr)	2025/10/16	0.57		%	20	
			Total Thallium (Tl)	2025/10/16	18		%	20	
			Total Tin (Sn)	2025/10/16	NC		%	20	
			Total Titanium (Ti)	2025/10/16	2.3		%	20	
			Total Uranium (U)	2025/10/16	0.63		%	20	
			Total Vanadium (V)	2025/10/16	5.9		%	20	
			Total Zinc (Zn)	2025/10/16	8.8		%	20	
			Total Zirconium (Zr)	2025/10/16	2.7		%	20	
			C120500	BB3	Spiked Blank	pH	2025/10/11		
C120500	BB3	RPD	pH	2025/10/11	1.7			%	N/A
C120505	BB3	Spiked Blank	Alkalinity (Total as CaCO3)	2025/10/11			103	%	80 - 120
C120505	BB3	Method Blank	Alkalinity (PP as CaCO3)	2025/10/11	ND,			mg/L	
						RDL=1.0			
			Alkalinity (Total as CaCO3)	2025/10/11	ND,			mg/L	
						RDL=1.0			
			Bicarbonate (HCO3)	2025/10/11	ND,			mg/L	
						RDL=1.0			
			Carbonate (CO3)	2025/10/11	ND,			mg/L	
						RDL=1.0			
			Hydroxide (OH)	2025/10/11	ND,			mg/L	
						RDL=1.0			
C120505	BB3	RPD	Alkalinity (PP as CaCO3)	2025/10/11	NC			%	20
			Alkalinity (Total as CaCO3)	2025/10/11	0.13			%	20
			Bicarbonate (HCO3)	2025/10/11	20			%	20
			Carbonate (CO3)	2025/10/11	NC			%	20
			Hydroxide (OH)	2025/10/11	NC			%	20
C121144	RW4	Spiked Blank	D10-ANTHRACENE (sur.)	2025/10/13			88	%	50 - 140
			D8-ACENAPHTHYLENE (sur.)	2025/10/13			85	%	50 - 140
			D8-NAPHTHALENE (sur.)	2025/10/13			73	%	50 - 140
			TERPHENYL-D14 (sur.)	2025/10/13			86	%	50 - 140
			Quinoline	2025/10/13			98	%	50 - 140
			Naphthalene	2025/10/13			70	%	50 - 140



QUALITY ASSURANCE REPORT(CONT'D)

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
			1-Methylnaphthalene	2025/10/13		72	%	50 - 140
			2-Methylnaphthalene	2025/10/13		70	%	50 - 140
			Acenaphthylene	2025/10/13		78	%	50 - 140
			Acenaphthene	2025/10/13		73	%	50 - 140
			Fluorene	2025/10/13		75	%	50 - 140
			Phenanthrene	2025/10/13		75	%	50 - 140
			Anthracene	2025/10/13		74	%	50 - 140
			Acridine	2025/10/13		92	%	50 - 140
			Fluoranthene	2025/10/13		86	%	50 - 140
			Pyrene	2025/10/13		88	%	50 - 140
			Benzo(a)anthracene	2025/10/13		82	%	50 - 140
			Chrysene	2025/10/13		86	%	50 - 140
			Benzo(b&j)fluoranthene	2025/10/13		84	%	50 - 140
			Benzo(k)fluoranthene	2025/10/13		86	%	50 - 140
			Benzo(a)pyrene	2025/10/13		80	%	50 - 140
			Indeno(1,2,3-cd)pyrene	2025/10/13		79	%	50 - 140
			Dibenz(a,h)anthracene	2025/10/13		79	%	50 - 140
			Benzo(g,h,i)perylene	2025/10/13		79	%	50 - 140
C121144	RW4	Method Blank	D10-ANTHRACENE (sur.)	2025/10/13		92	%	50 - 140
			D8-ACENAPHTHYLENE (sur.)	2025/10/13		88	%	50 - 140
			D8-NAPHTHALENE (sur.)	2025/10/13		75	%	50 - 140
			TERPHENYL-D14 (sur.)	2025/10/13		90	%	50 - 140
			Quinoline	2025/10/13	ND, RDL=0.020		ug/L	
			Naphthalene	2025/10/13	ND, RDL=0.10		ug/L	
			1-Methylnaphthalene	2025/10/13	ND, RDL=0.050		ug/L	
			2-Methylnaphthalene	2025/10/13	ND, RDL=0.10		ug/L	
			Acenaphthylene	2025/10/13	ND, RDL=0.050		ug/L	
			Acenaphthene	2025/10/13	ND, RDL=0.050		ug/L	
			Fluorene	2025/10/13	ND, RDL=0.050		ug/L	
			Phenanthrene	2025/10/13	ND, RDL=0.050		ug/L	
			Anthracene	2025/10/13	ND, RDL=0.010		ug/L	
			Acridine	2025/10/13	ND, RDL=0.050		ug/L	
			Fluoranthene	2025/10/13	ND, RDL=0.020		ug/L	
			Pyrene	2025/10/13	ND, RDL=0.020		ug/L	
			Benzo(a)anthracene	2025/10/13	ND, RDL=0.010		ug/L	
			Chrysene	2025/10/13	ND, RDL=0.020		ug/L	
			Benzo(b&j)fluoranthene	2025/10/13	ND, RDL=0.030		ug/L	
			Benzo(k)fluoranthene	2025/10/13	ND, RDL=0.050		ug/L	



QUALITY ASSURANCE REPORT(CONT'D)

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
			Benzo(a)pyrene	2025/10/13	ND, RDL=0.0050		ug/L	
			Indeno(1,2,3-cd)pyrene	2025/10/13	ND, RDL=0.050		ug/L	
			Dibenz(a,h)anthracene	2025/10/13	ND, RDL=0.0030		ug/L	
			Benzo(g,h,i)perylene	2025/10/13	ND, RDL=0.050		ug/L	
C121150	IT1	Spiked Blank	O-TERPHENYL (sur.)	2025/10/11		103	%	60 - 140
			EPH (C10-C19)	2025/10/11		102	%	70 - 130
			EPH (C19-C32)	2025/10/11		115	%	70 - 130
C121150	IT1	Method Blank	O-TERPHENYL (sur.)	2025/10/11		102	%	60 - 140
			EPH (C10-C19)	2025/10/11	ND, RDL=0.20		mg/L	
			EPH (C19-C32)	2025/10/11	ND, RDL=0.20		mg/L	
C121170	KA5	Matrix Spike	Total Suspended Solids	2025/10/14		103	%	80 - 120
C121170	KA5	Spiked Blank	Total Suspended Solids	2025/10/14		98	%	80 - 120
C121170	KA5	Method Blank	Total Suspended Solids	2025/10/14	ND, RDL=1.0		mg/L	
C121170	KA5	RPD	Total Suspended Solids	2025/10/14	0		%	20
C121330	C2L	Matrix Spike	Total Ammonia (N)	2025/10/11		101	%	80 - 120
C121330	C2L	Spiked Blank	Total Ammonia (N)	2025/10/11		104	%	80 - 120
C121330	C2L	Method Blank	Total Ammonia (N)	2025/10/11	ND, RDL=0.015		mg/L	
C121330	C2L	RPD	Total Ammonia (N)	2025/10/11	NC		%	20
C121338	C2L	Matrix Spike	Total Ammonia (N)	2025/10/11		104	%	80 - 120
C121338	C2L	Spiked Blank	Total Ammonia (N)	2025/10/11		104	%	80 - 120
C121338	C2L	Method Blank	Total Ammonia (N)	2025/10/11	ND, RDL=0.015		mg/L	
C121338	C2L	RPD	Total Ammonia (N)	2025/10/11	NC		%	20
C121488	AA1	Matrix Spike [DUL086-08]	Dissolved Aluminum (Al)	2025/10/14		99	%	80 - 120
			Dissolved Antimony (Sb)	2025/10/14		102	%	80 - 120
			Dissolved Arsenic (As)	2025/10/14		106	%	80 - 120
			Dissolved Barium (Ba)	2025/10/14		101	%	80 - 120
			Dissolved Beryllium (Be)	2025/10/14		108	%	80 - 120
			Dissolved Bismuth (Bi)	2025/10/14		96	%	80 - 120
			Dissolved Boron (B)	2025/10/14		104	%	80 - 120
			Dissolved Cadmium (Cd)	2025/10/14		105	%	80 - 120
			Dissolved Cesium (Cs)	2025/10/14		101	%	80 - 120
			Dissolved Chromium (Cr)	2025/10/14		101	%	80 - 120
			Dissolved Cobalt (Co)	2025/10/14		96	%	80 - 120
			Dissolved Copper (Cu)	2025/10/14		98	%	80 - 120
			Dissolved Iron (Fe)	2025/10/14		101	%	80 - 120
			Dissolved Lead (Pb)	2025/10/14		97	%	80 - 120
			Dissolved Lithium (Li)	2025/10/14		105	%	80 - 120
			Dissolved Manganese (Mn)	2025/10/14		99	%	80 - 120
			Dissolved Molybdenum (Mo)	2025/10/14		NC	%	80 - 120
			Dissolved Nickel (Ni)	2025/10/14		100	%	80 - 120
			Dissolved Phosphorus (P)	2025/10/14		107	%	80 - 120
			Dissolved Rubidium (Rb)	2025/10/14		NC	%	80 - 120
			Dissolved Selenium (Se)	2025/10/14		103	%	80 - 120
			Dissolved Silicon (Si)	2025/10/14		NC	%	80 - 120



BUREAU
VERITAS

Bureau Veritas Job #: C584257

Report Date: 2025/10/22

HATFIELD CONSULTANTS

Client Project #: FORTIS11234/PE-110163

Site Location: WOODFIBRE PIPELINE PROJECT

Your P.O. #: 4800010213

QUALITY ASSURANCE REPORT(CONT'D)

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
C121488	AA1	Spiked Blank	Dissolved Silver (Ag)	2025/10/14		102	%	80 - 120
			Dissolved Strontium (Sr)	2025/10/14		100	%	80 - 120
			Dissolved Tellurium (Te)	2025/10/14		100	%	80 - 120
			Dissolved Thallium (Tl)	2025/10/14		97	%	80 - 120
			Dissolved Thorium (Th)	2025/10/14		102	%	80 - 120
			Dissolved Tin (Sn)	2025/10/14		102	%	80 - 120
			Dissolved Titanium (Ti)	2025/10/14		102	%	80 - 120
			Dissolved Uranium (U)	2025/10/14		102	%	80 - 120
			Dissolved Vanadium (V)	2025/10/14		103	%	80 - 120
			Dissolved Zinc (Zn)	2025/10/14		103	%	80 - 120
			Dissolved Zirconium (Zr)	2025/10/14		106	%	80 - 120
			Dissolved Aluminum (Al)	2025/10/14		108	%	80 - 120
			Dissolved Antimony (Sb)	2025/10/14		105	%	80 - 120
			Dissolved Arsenic (As)	2025/10/14		109	%	80 - 120
			Dissolved Barium (Ba)	2025/10/14		107	%	80 - 120
			Dissolved Beryllium (Be)	2025/10/14		111	%	80 - 120
			Dissolved Bismuth (Bi)	2025/10/14		105	%	80 - 120
			Dissolved Boron (B)	2025/10/14		110	%	80 - 120
			Dissolved Cadmium (Cd)	2025/10/14		108	%	80 - 120
			Dissolved Cesium (Cs)	2025/10/14		104	%	80 - 120
			Dissolved Chromium (Cr)	2025/10/14		105	%	80 - 120
			Dissolved Cobalt (Co)	2025/10/14		99	%	80 - 120
			Dissolved Copper (Cu)	2025/10/14		102	%	80 - 120
			Dissolved Iron (Fe)	2025/10/14		110	%	80 - 120
			Dissolved Lead (Pb)	2025/10/14		106	%	80 - 120
			Dissolved Lithium (Li)	2025/10/14		108	%	80 - 120
			Dissolved Manganese (Mn)	2025/10/14		105	%	80 - 120
			Dissolved Molybdenum (Mo)	2025/10/14		103	%	80 - 120
			Dissolved Nickel (Ni)	2025/10/14		102	%	80 - 120
			Dissolved Phosphorus (P)	2025/10/14		109	%	80 - 120
			Dissolved Rubidium (Rb)	2025/10/14		105	%	80 - 120
			Dissolved Selenium (Se)	2025/10/14		102	%	80 - 120
			Dissolved Silicon (Si)	2025/10/14		110	%	80 - 120
Dissolved Silver (Ag)	2025/10/14		104	%	80 - 120			
Dissolved Strontium (Sr)	2025/10/14		111	%	80 - 120			
Dissolved Tellurium (Te)	2025/10/14		109	%	80 - 120			
Dissolved Thallium (Tl)	2025/10/14		104	%	80 - 120			
Dissolved Thorium (Th)	2025/10/14		129 (2)	%	80 - 120			
Dissolved Tin (Sn)	2025/10/14		106	%	80 - 120			
Dissolved Titanium (Ti)	2025/10/14		106	%	80 - 120			
Dissolved Uranium (U)	2025/10/14		103	%	80 - 120			
Dissolved Vanadium (V)	2025/10/14		105	%	80 - 120			
Dissolved Zinc (Zn)	2025/10/14		106	%	80 - 120			
Dissolved Zirconium (Zr)	2025/10/14		108	%	80 - 120			
C121488	AA1	Method Blank	Dissolved Aluminum (Al)	2025/10/14	ND, RDL=0.50		ug/L	
			Dissolved Antimony (Sb)	2025/10/14	ND, RDL=0.020		ug/L	
			Dissolved Arsenic (As)	2025/10/14	ND, RDL=0.020		ug/L	
			Dissolved Barium (Ba)	2025/10/14	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
			Dissolved Beryllium (Be)	2025/10/14	ND, RDL=0.010		ug/L	
			Dissolved Bismuth (Bi)	2025/10/14	ND, RDL=0.0050		ug/L	
			Dissolved Boron (B)	2025/10/14	ND, RDL=10		ug/L	
			Dissolved Cadmium (Cd)	2025/10/14	ND, RDL=0.0050		ug/L	
			Dissolved Cesium (Cs)	2025/10/14	ND, RDL=0.050		ug/L	
			Dissolved Chromium (Cr)	2025/10/14	ND, RDL=0.10		ug/L	
			Dissolved Cobalt (Co)	2025/10/14	ND, RDL=0.0050		ug/L	
			Dissolved Copper (Cu)	2025/10/14	ND, RDL=0.050		ug/L	
			Dissolved Iron (Fe)	2025/10/14	ND, RDL=1.0		ug/L	
			Dissolved Lead (Pb)	2025/10/14	ND, RDL=0.0050		ug/L	
			Dissolved Lithium (Li)	2025/10/14	ND, RDL=0.50		ug/L	
			Dissolved Manganese (Mn)	2025/10/14	ND, RDL=0.050		ug/L	
			Dissolved Molybdenum (Mo)	2025/10/14	ND, RDL=0.050		ug/L	
			Dissolved Nickel (Ni)	2025/10/14	ND, RDL=0.020		ug/L	
			Dissolved Phosphorus (P)	2025/10/14	ND, RDL=2.0		ug/L	
			Dissolved Rubidium (Rb)	2025/10/14	ND, RDL=0.050		ug/L	
			Dissolved Selenium (Se)	2025/10/14	ND, RDL=0.040		ug/L	
			Dissolved Silicon (Si)	2025/10/14	ND, RDL=50		ug/L	
			Dissolved Silver (Ag)	2025/10/14	ND, RDL=0.0050		ug/L	
			Dissolved Strontium (Sr)	2025/10/14	ND, RDL=0.050		ug/L	
			Dissolved Tellurium (Te)	2025/10/14	ND, RDL=0.020		ug/L	
			Dissolved Thallium (Tl)	2025/10/14	ND, RDL=0.0020		ug/L	
			Dissolved Thorium (Th)	2025/10/14	ND, RDL=0.0050		ug/L	
			Dissolved Tin (Sn)	2025/10/14	ND, RDL=0.20		ug/L	
			Dissolved Titanium (Ti)	2025/10/14	ND, RDL=0.50		ug/L	
			Dissolved Uranium (U)	2025/10/14	ND, RDL=0.0020		ug/L	
			Dissolved Vanadium (V)	2025/10/14	ND, RDL=0.20		ug/L	



QUALITY ASSURANCE REPORT(CONT'D)

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
C121488	AA1	RPD [DUL086-08]	Dissolved Zinc (Zn)	2025/10/14	ND, RDL=0.10		ug/L	
			Dissolved Zirconium (Zr)	2025/10/14	ND, RDL=0.10		ug/L	
			Dissolved Aluminum (Al)	2025/10/14	2.5		%	20
			Dissolved Antimony (Sb)	2025/10/14	1.7		%	20
			Dissolved Arsenic (As)	2025/10/14	1.3		%	20
			Dissolved Barium (Ba)	2025/10/14	1.1		%	20
			Dissolved Beryllium (Be)	2025/10/14	NC		%	20
			Dissolved Bismuth (Bi)	2025/10/14	NC		%	20
			Dissolved Boron (B)	2025/10/14	0.16		%	20
			Dissolved Cadmium (Cd)	2025/10/14	1.0		%	20
			Dissolved Cesium (Cs)	2025/10/14	NC		%	20
			Dissolved Chromium (Cr)	2025/10/14	NC		%	20
			Dissolved Cobalt (Co)	2025/10/14	0.62		%	20
			Dissolved Copper (Cu)	2025/10/14	NC		%	20
			Dissolved Iron (Fe)	2025/10/14	0.19		%	20
			Dissolved Lead (Pb)	2025/10/14	NC		%	20
			Dissolved Lithium (Li)	2025/10/14	2.4		%	20
			Dissolved Manganese (Mn)	2025/10/14	0.21		%	20
			Dissolved Molybdenum (Mo)	2025/10/14	1.7		%	20
			Dissolved Nickel (Ni)	2025/10/14	6.1		%	20
			Dissolved Phosphorus (P)	2025/10/14	NC		%	20
			Dissolved Rubidium (Rb)	2025/10/14	3.0		%	20
			Dissolved Selenium (Se)	2025/10/14	NC		%	20
			Dissolved Silicon (Si)	2025/10/14	0.54		%	20
			Dissolved Silver (Ag)	2025/10/14	NC		%	20
			Dissolved Strontium (Sr)	2025/10/14	2.5		%	20
			Dissolved Tellurium (Te)	2025/10/14	NC		%	20
			Dissolved Thallium (Tl)	2025/10/14	13		%	20
			Dissolved Thorium (Th)	2025/10/14	NC		%	20
			Dissolved Tin (Sn)	2025/10/14	NC		%	20
			Dissolved Titanium (Ti)	2025/10/14	NC		%	20
			Dissolved Uranium (U)	2025/10/14	1.0		%	20
			Dissolved Vanadium (V)	2025/10/14	NC		%	20
Dissolved Zinc (Zn)	2025/10/14	5.9		%	20			
Dissolved Zirconium (Zr)	2025/10/14	NC		%	20			
C121928	YXI	Matrix Spike	1,4-Difluorobenzene (sur.)	2025/10/13		102	%	50 - 140
			4-Bromofluorobenzene (sur.)	2025/10/13		115	%	50 - 140
			D4-1,2-Dichloroethane (sur.)	2025/10/13		115	%	50 - 140
			1,1,1,2-tetrachloroethane	2025/10/13		72	%	50 - 140
			1,1,1-trichloroethane	2025/10/13		71	%	50 - 140
			1,1,2,2-tetrachloroethane	2025/10/13		66	%	50 - 140
			1,1,2Trichloro-1,2,2Trifluoroethane	2025/10/13		75	%	50 - 140
			1,1,2-trichloroethane	2025/10/13		71	%	50 - 140
			1,1-dichloroethane	2025/10/13		74	%	50 - 140
			1,1-dichloroethene	2025/10/13		85	%	50 - 140
			1,2,3-trichlorobenzene	2025/10/13		65	%	50 - 140
			1,2,4-trichlorobenzene	2025/10/13		66	%	50 - 140
			1,2-dibromoethane	2025/10/13		68	%	50 - 140
			1,2-dichlorobenzene	2025/10/13		69	%	50 - 140
			1,2-dichloroethane	2025/10/13		65	%	50 - 140
1,2-dichloropropane	2025/10/13		67	%	50 - 140			



QUALITY ASSURANCE REPORT(CONT'D)

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
			1,3,5-trimethylbenzene	2025/10/13		55	%	50 - 140
			1,3-Butadiene	2025/10/13		49 (1)	%	50 - 140
			1,3-dichlorobenzene	2025/10/13		69	%	50 - 140
			1,3-dichloropropane	2025/10/13		67	%	50 - 140
			1,4-dichlorobenzene	2025/10/13		65	%	50 - 140
			Benzene	2025/10/13		68	%	50 - 140
			Bromobenzene	2025/10/13		68	%	50 - 140
			Bromodichloromethane	2025/10/13		66	%	50 - 140
			Bromoform	2025/10/13		64	%	50 - 140
			Bromomethane	2025/10/13		69	%	50 - 140
			Carbon tetrachloride	2025/10/13		71	%	50 - 140
			Chlorobenzene	2025/10/13		69	%	50 - 140
			Dibromochloromethane	2025/10/13		68	%	50 - 140
			Chloroethane	2025/10/13		74	%	50 - 140
			Chloroform	2025/10/13		68	%	50 - 140
			Chloromethane	2025/10/13		70	%	50 - 140
			cis-1,2-dichloroethene	2025/10/13		72	%	50 - 140
			cis-1,3-dichloropropene	2025/10/13		66	%	50 - 140
			Dichlorodifluoromethane	2025/10/13		74	%	50 - 140
			Dichloromethane	2025/10/13		66	%	50 - 140
			Ethylbenzene	2025/10/13		71	%	50 - 140
			Hexachlorobutadiene	2025/10/13		67	%	50 - 140
			Isopropylbenzene	2025/10/13		68	%	50 - 140
			Methyl-tert-butylether (MTBE)	2025/10/13		59	%	50 - 140
			Styrene	2025/10/13		74	%	50 - 140
			Tetrachloroethene	2025/10/13		69	%	50 - 140
			Toluene	2025/10/13		67	%	50 - 140
			trans-1,2-dichloroethene	2025/10/13		74	%	50 - 140
			trans-1,3-dichloropropene	2025/10/13		69	%	50 - 140
			Trichloroethene	2025/10/13		69	%	50 - 140
			Trichlorofluoromethane	2025/10/13		74	%	50 - 140
			Vinyl chloride	2025/10/13		60	%	50 - 140
			m & p-Xylene	2025/10/13		71	%	50 - 140
			o-Xylene	2025/10/13		71	%	50 - 140
C121928	YXI	Spiked Blank	1,4-Difluorobenzene (sur.)	2025/10/13		101	%	50 - 140
			4-Bromofluorobenzene (sur.)	2025/10/13		109	%	50 - 140
			D4-1,2-Dichloroethane (sur.)	2025/10/13		112	%	50 - 140
			VH C6-C10	2025/10/13		117	%	70 - 130
			1,1,1,2-tetrachloroethane	2025/10/13		85	%	60 - 130
			1,1,1-trichloroethane	2025/10/13		86	%	60 - 130
			1,1,2,2-tetrachloroethane	2025/10/13		80	%	60 - 130
			1,1,2Trichloro-1,2,2Trifluoroethane	2025/10/13		90	%	60 - 130
			1,1,2-trichloroethane	2025/10/13		81	%	60 - 130
			1,1-dichloroethane	2025/10/13		90	%	60 - 130
			1,1-dichloroethene	2025/10/13		103	%	60 - 130
			1,2,3-trichlorobenzene	2025/10/13		79	%	60 - 130
			1,2,4-trichlorobenzene	2025/10/13		78	%	60 - 130
			1,2-dibromoethane	2025/10/13		83	%	60 - 130
			1,2-dichlorobenzene	2025/10/13		85	%	60 - 130
			1,2-dichloroethane	2025/10/13		80	%	60 - 130
			1,2-dichloropropane	2025/10/13		82	%	60 - 130
			1,3,5-trimethylbenzene	2025/10/13		86	%	60 - 130
			1,3-Butadiene	2025/10/13		65	%	50 - 140



QUALITY ASSURANCE REPORT(CONT'D)

QA/QC	Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
				1,3-dichlorobenzene	2025/10/13		84	%	60 - 130
				1,3-dichloropropane	2025/10/13		81	%	60 - 130
				1,4-dichlorobenzene	2025/10/13		79	%	60 - 130
				Benzene	2025/10/13		83	%	60 - 130
				Bromobenzene	2025/10/13		83	%	60 - 130
				Bromodichloromethane	2025/10/13		80	%	60 - 130
				Bromoform	2025/10/13		78	%	60 - 130
				Bromomethane	2025/10/13		84	%	50 - 140
				Carbon tetrachloride	2025/10/13		86	%	60 - 130
				Chlorobenzene	2025/10/13		83	%	60 - 130
				Dibromochloromethane	2025/10/13		82	%	60 - 130
				Chloroethane	2025/10/13		89	%	50 - 140
				Chloroform	2025/10/13		83	%	60 - 130
				Chloromethane	2025/10/13		92	%	50 - 140
				cis-1,2-dichloroethene	2025/10/13		89	%	60 - 130
				cis-1,3-dichloropropene	2025/10/13		80	%	50 - 140
				Dichlorodifluoromethane	2025/10/13		94	%	50 - 140
				Dichloromethane	2025/10/13		81	%	60 - 130
				Ethylbenzene	2025/10/13		85	%	60 - 130
				Hexachlorobutadiene	2025/10/13		81	%	60 - 130
				Isopropylbenzene	2025/10/13		81	%	60 - 130
				Methyl-tert-butylether (MTBE)	2025/10/13		73	%	60 - 130
				Styrene	2025/10/13		89	%	60 - 130
				Tetrachloroethene	2025/10/13		83	%	60 - 130
				Toluene	2025/10/13		81	%	60 - 130
				trans-1,2-dichloroethene	2025/10/13		90	%	60 - 130
				trans-1,3-dichloropropene	2025/10/13		84	%	50 - 140
				Trichloroethene	2025/10/13		83	%	60 - 130
				Trichlorofluoromethane	2025/10/13		90	%	60 - 130
				Vinyl chloride	2025/10/13		79	%	50 - 140
				m & p-Xylene	2025/10/13		85	%	60 - 130
				o-Xylene	2025/10/13		85	%	60 - 130
C121928	YXI		Method Blank	1,4-Difluorobenzene (sur.)	2025/10/13		103	%	50 - 140
				4-Bromofluorobenzene (sur.)	2025/10/13		105	%	50 - 140
				D4-1,2-Dichloroethane (sur.)	2025/10/13		101	%	50 - 140
				VH C6-C10	2025/10/13	ND, RDL=300		ug/L	
				1,1,1,2-tetrachloroethane	2025/10/13	ND, RDL=0.50		ug/L	
				1,1,1-trichloroethane	2025/10/13	ND, RDL=0.50		ug/L	
				1,1,2,2-tetrachloroethane	2025/10/13	ND, RDL=0.50		ug/L	
				1,1,2Trichloro-1,2,2Trifluoroethane	2025/10/13	ND, RDL=2.0		ug/L	
				1,1,2-trichloroethane	2025/10/13	ND, RDL=0.50		ug/L	
				1,1-dichloroethane	2025/10/13	ND, RDL=0.50		ug/L	
				1,1-dichloroethene	2025/10/13	ND, RDL=0.50		ug/L	
				1,2,3-trichlorobenzene	2025/10/13	ND, RDL=2.0		ug/L	



QUALITY ASSURANCE REPORT(CONT'D)

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
			1,2,4-trichlorobenzene	2025/10/13	ND, RDL=2.0		ug/L	
			1,2-dibromoethane	2025/10/13	ND, RDL=0.20		ug/L	
			1,2-dichlorobenzene	2025/10/13	ND, RDL=0.50		ug/L	
			1,2-dichloroethane	2025/10/13	ND, RDL=0.50		ug/L	
			1,2-dichloropropane	2025/10/13	ND, RDL=0.50		ug/L	
			1,3,5-trimethylbenzene	2025/10/13	ND, RDL=2.0		ug/L	
			1,3-Butadiene	2025/10/13	ND, RDL=0.50		ug/L	
			1,3-dichlorobenzene	2025/10/13	ND, RDL=0.50		ug/L	
			1,3-dichloropropane	2025/10/13	ND, RDL=1.0		ug/L	
			1,4-dichlorobenzene	2025/10/13	ND, RDL=0.50		ug/L	
			Benzene	2025/10/13	ND, RDL=0.40		ug/L	
			Bromobenzene	2025/10/13	ND, RDL=2.0		ug/L	
			Bromodichloromethane	2025/10/13	ND, RDL=1.0		ug/L	
			Bromoform	2025/10/13	ND, RDL=1.0		ug/L	
			Bromomethane	2025/10/13	ND, RDL=1.0		ug/L	
			Carbon tetrachloride	2025/10/13	ND, RDL=0.50		ug/L	
			Chlorobenzene	2025/10/13	ND, RDL=0.50		ug/L	
			Dibromochloromethane	2025/10/13	ND, RDL=1.0		ug/L	
			Chloroethane	2025/10/13	ND, RDL=1.0		ug/L	
			Chloroform	2025/10/13	ND, RDL=1.0		ug/L	
			Chloromethane	2025/10/13	ND, RDL=1.0		ug/L	
			cis-1,2-dichloroethene	2025/10/13	ND, RDL=1.0		ug/L	
			cis-1,3-dichloropropene	2025/10/13	ND, RDL=1.0		ug/L	
			Dichlorodifluoromethane	2025/10/13	ND, RDL=2.0		ug/L	
			Dichloromethane	2025/10/13	ND, RDL=2.0		ug/L	
			Ethylbenzene	2025/10/13	ND, RDL=0.40		ug/L	
			Hexachlorobutadiene	2025/10/13	ND, RDL=0.50		ug/L	



QUALITY ASSURANCE REPORT(CONT'D)

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
			Isopropylbenzene	2025/10/13	ND, RDL=2.0		ug/L	
			Methyl-tert-butylether (MTBE)	2025/10/13	ND, RDL=4.0		ug/L	
			Styrene	2025/10/13	ND, RDL=0.50		ug/L	
			Tetrachloroethene	2025/10/13	ND, RDL=0.50		ug/L	
			Toluene	2025/10/13	ND, RDL=0.40		ug/L	
			trans-1,2-dichloroethene	2025/10/13	ND, RDL=1.0		ug/L	
			trans-1,3-dichloropropene	2025/10/13	ND, RDL=1.0		ug/L	
			Trichloroethene	2025/10/13	ND, RDL=0.50		ug/L	
			Trichlorofluoromethane	2025/10/13	ND, RDL=4.0		ug/L	
			Vinyl chloride	2025/10/13	ND, RDL=0.50		ug/L	
			m & p-Xylene	2025/10/13	ND, RDL=0.40		ug/L	
			o-Xylene	2025/10/13	ND, RDL=0.40		ug/L	
			Xylenes (Total)	2025/10/13	ND, RDL=0.40		ug/L	
C121928	YXI	RPD	VH C6-C10	2025/10/16	NC		%	30
			1,2-dibromoethane	2025/10/16	NC		%	30
			1,2-dichloroethane	2025/10/16	NC		%	30
			1,3,5-trimethylbenzene	2025/10/16	NC		%	30
			1,3-Butadiene	2025/10/16	NC		%	30
			Benzene	2025/10/16	NC		%	30
			Ethylbenzene	2025/10/16	0.65		%	30
			Isopropylbenzene	2025/10/16	1.8		%	30
			Methyl-tert-butylether (MTBE)	2025/10/16	NC		%	30
			Styrene	2025/10/16	NC		%	30
			Toluene	2025/10/16	NC		%	30
			m & p-Xylene	2025/10/16	NC		%	30
			o-Xylene	2025/10/16	NC		%	30
			Xylenes (Total)	2025/10/16	NC		%	30
C122086	AAX	Matrix Spike	Methyl Sulfone (sur.)	2025/10/14		96	%	50 - 140
			Ethylene Glycol	2025/10/14		93	%	60 - 140
			Diethylene Glycol	2025/10/14		111	%	60 - 140
			Triethylene Glycol	2025/10/14		105	%	60 - 140
			Propylene Glycol	2025/10/14		96	%	60 - 140
C122086	AAX	Spiked Blank	Methyl Sulfone (sur.)	2025/10/14		90	%	50 - 140
			Ethylene Glycol	2025/10/14		79	%	70 - 130
			Diethylene Glycol	2025/10/14		95	%	70 - 130
			Triethylene Glycol	2025/10/14		90	%	70 - 130
			Propylene Glycol	2025/10/14		82	%	70 - 130
C122086	AAX	Method Blank	Methyl Sulfone (sur.)	2025/10/14		93	%	50 - 140
			Ethylene Glycol	2025/10/14	ND, RDL=3.0		mg/L	



QUALITY ASSURANCE REPORT(CONT'D)

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
C122086	AAX	RPD	Diethylene Glycol	2025/10/14	ND, RDL=5.0		mg/L	
			Triethylene Glycol	2025/10/14	ND, RDL=5.0		mg/L	
			Propylene Glycol	2025/10/14	ND, RDL=5.0		mg/L	
			Ethylene Glycol	2025/10/14	NC	%	30	
C122391	JLD	Matrix Spike	Diethylene Glycol	2025/10/14	NC		%	30
			Triethylene Glycol	2025/10/14	NC		%	30
			Propylene Glycol	2025/10/14	NC		%	30
			Phenols	2025/10/14		108	%	80 - 120
C122391	JLD	Spiked Blank	Phenols	2025/10/14		103	%	80 - 120
C122391	JLD	Method Blank	Phenols	2025/10/14	ND, RDL=0.0015		mg/L	
C122391	JLD	RPD	Phenols	2025/10/14	NC		%	20
C122415	NJD	Matrix Spike	Total Sulphide	2025/10/14		NC	%	80 - 120
C122415	NJD	Spiked Blank	Total Sulphide	2025/10/14		91	%	80 - 120
C122415	NJD	Method Blank	Total Sulphide	2025/10/14	ND, RDL=0.0018		mg/L	
C122415	NJD	RPD	Total Sulphide	2025/10/14	9.4		%	20
C122515	MEM	Matrix Spike	Bromide (Br)	2025/10/14		91	%	78 - 120
C122515	MEM	Spiked Blank	Bromide (Br)	2025/10/14		90	%	80 - 120
C122515	MEM	Method Blank	Bromide (Br)	2025/10/14	ND, RDL=0.010		mg/L	
C122515	MEM	RPD	Bromide (Br)	2025/10/14	NC		%	20
C122661	MEM	Matrix Spike	Bromide (Br)	2025/10/14		94	%	78 - 120
C122661	MEM	Spiked Blank	Bromide (Br)	2025/10/14		91	%	80 - 120
C122661	MEM	Method Blank	Bromide (Br)	2025/10/14	ND, RDL=0.010		mg/L	
C122661	MEM	RPD	Bromide (Br)	2025/10/14	NC		%	20
C122701	CJY	Matrix Spike	Dissolved Fluoride (F)	2025/10/14		110	%	80 - 120
C122701	CJY	Spiked Blank	Dissolved Fluoride (F)	2025/10/14		94	%	80 - 120
C122701	CJY	Method Blank	Dissolved Fluoride (F)	2025/10/14	ND, RDL=0.050		mg/L	
C122701	CJY	RPD	Fluoride (F)	2025/10/14	0.90		%	20
C122742	ESA	Matrix Spike	Total Suspended Solids	2025/10/15		105	%	80 - 120
C122742	ESA	Spiked Blank	Total Suspended Solids	2025/10/15		97	%	80 - 120
C122742	ESA	Method Blank	Total Suspended Solids	2025/10/15	ND, RDL=1.0		mg/L	
C122742	ESA	RPD [DUL086-12]	Total Suspended Solids	2025/10/15	0		%	20
C123116	JLP	Spiked Blank	Alkalinity (Total as CaCO3)	2025/10/14		98	%	80 - 120
C123116	JLP	Method Blank	Alkalinity (PP as CaCO3)	2025/10/14	ND, RDL=1.0		mg/L	
			Alkalinity (Total as CaCO3)	2025/10/14	ND, RDL=1.0		mg/L	
			Bicarbonate (HCO3)	2025/10/14	ND, RDL=1.0		mg/L	
			Carbonate (CO3)	2025/10/14	ND, RDL=1.0		mg/L	
			Hydroxide (OH)	2025/10/14	ND, RDL=1.0		mg/L	
C123116	JLP	RPD	Alkalinity (PP as CaCO3)	2025/10/14	NC		%	20
			Alkalinity (Total as CaCO3)	2025/10/14	0.13		%	20



QUALITY ASSURANCE REPORT(CONT'D)

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
C123134	JLP	Spiked Blank	pH	2025/10/14		100	%	97 - 103
C123134	JLP	RPD	pH	2025/10/14	0.51		%	N/A
C123164	CJY	Matrix Spike	Dissolved Fluoride (F)	2025/10/15		90	%	80 - 120
C123164	CJY	Spiked Blank	Dissolved Fluoride (F)	2025/10/15		103	%	80 - 120
C123164	CJY	Method Blank	Dissolved Fluoride (F)	2025/10/14	ND, RDL=0.050		mg/L	
C123164	CJY	RPD	Fluoride (F)	2025/10/14	2.1		%	20
C124216	BB3	Matrix Spike	Total Hex. Chromium (Cr 6+)	2025/10/15		99	%	80 - 120
C124216	BB3	Spiked Blank	Total Hex. Chromium (Cr 6+)	2025/10/15		98	%	80 - 120
C124216	BB3	Method Blank	Total Hex. Chromium (Cr 6+)	2025/10/15	ND, RDL=0.00099		mg/L	
C124216	BB3	RPD	Total Hex. Chromium (Cr 6+)	2025/10/15	NC		%	20
C124281	JGL	Spiked Blank	Nitrate plus Nitrite (N)	2025/10/15		115	%	80 - 120
C124281	JGL	Method Blank	Nitrate plus Nitrite (N)	2025/10/15	ND, RDL=0.020		mg/L	
C124285	JGL	Spiked Blank	Nitrite (N)	2025/10/15		104	%	80 - 120
C124285	JGL	Method Blank	Nitrite (N)	2025/10/15	ND, RDL=0.0050		mg/L	
C124805	CBK	Matrix Spike	Chloride (Cl)	2025/10/15		110	%	80 - 120
			Sulphate (SO4)	2025/10/15		115	%	80 - 120
C124805	CBK	Spiked Blank	Chloride (Cl)	2025/10/15		98	%	80 - 120
			Sulphate (SO4)	2025/10/15		103	%	80 - 120
C124805	CBK	Method Blank	Chloride (Cl)	2025/10/15	ND, RDL=1.0		mg/L	
			Sulphate (SO4)	2025/10/15	ND, RDL=1.0		mg/L	
C124805	CBK	RPD	Chloride (Cl)	2025/10/15	3.8		%	20
			Sulphate (SO4)	2025/10/15	2.1		%	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) Recovery or RPD for this parameter is outside control limits. The overall quality control for this analysis meets acceptability criteria.

(2) Blank Spike outside acceptance criteria (10% of analytes failure allowed).



BUREAU
VERITAS

Bureau Veritas Job #: C584257

Report Date: 2025/10/22

HATFIELD CONSULTANTS

Client Project #: FORTIS11234/PE-110163

Site Location: WOODFIBRE PIPELINE PROJECT

Your P.O. #: 4800010213

VALIDATION SIGNATURE PAGE

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

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

Ghayasuddin Khan, M.Sc., P.Chem., QP, Scientific Specialist, Inorganics

Kimberly Tamaki, Scientist, Ecotoxicology

Levi Manchak, Project Manager SR

Luba Shymushovska, B.Sc., QP, Senior Analyst, Organics

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: W115557

Expected TAT: Standard TAT
Expected Arrival: 2025/10/07 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.sams@fortisbc.com
smangwan@hatfieldgroup.com
atracc@hatfieldgroup.com

Project Information

Quote #: CS0083
PO/AFF#: 4800010213
Project #: Fortis11234/PE-110163
Site Location: Woodfibre Pipeline Project

Analytical Summary

A: Standard TAT

Client Sample ID	Clnt Ref	Sampling Date/Time	Matrix #Cont	Woodfibre 2025	Woodfibre Additional 2025	Woodfibre Blank 2025	Rainbow Trout LC50 Multi-concentration	Set Number
WLNG-DS	1	2025/10/07	WATER 14	A	A			1
WLNG-EOP	2	2025/10/07	WATER 22	A	A		A	2
WLNG-US	3	2025/10/07	WATER 14	A				1
SQR-US	4	2025/10/07	WATER 14	A				1
SQR-DS	5	2025/10/07	WATER 14	A				1
Field Blank	6	2025/10/07	WATER 14	A			A	3
Tap Blank	7	2025/10/07	WATER 14	A			A	3
DUP	8	2025/10/07	WATER 18	A	A			4

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

Submission Information

of Samples: 8

Received by: M. Wlaka Zavorc
2025/10/07 15:45

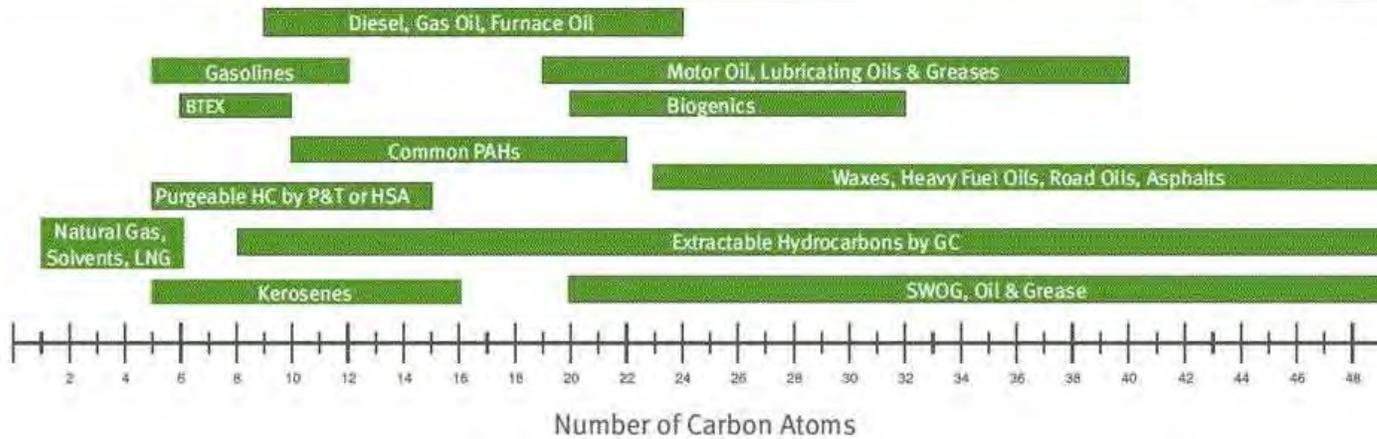
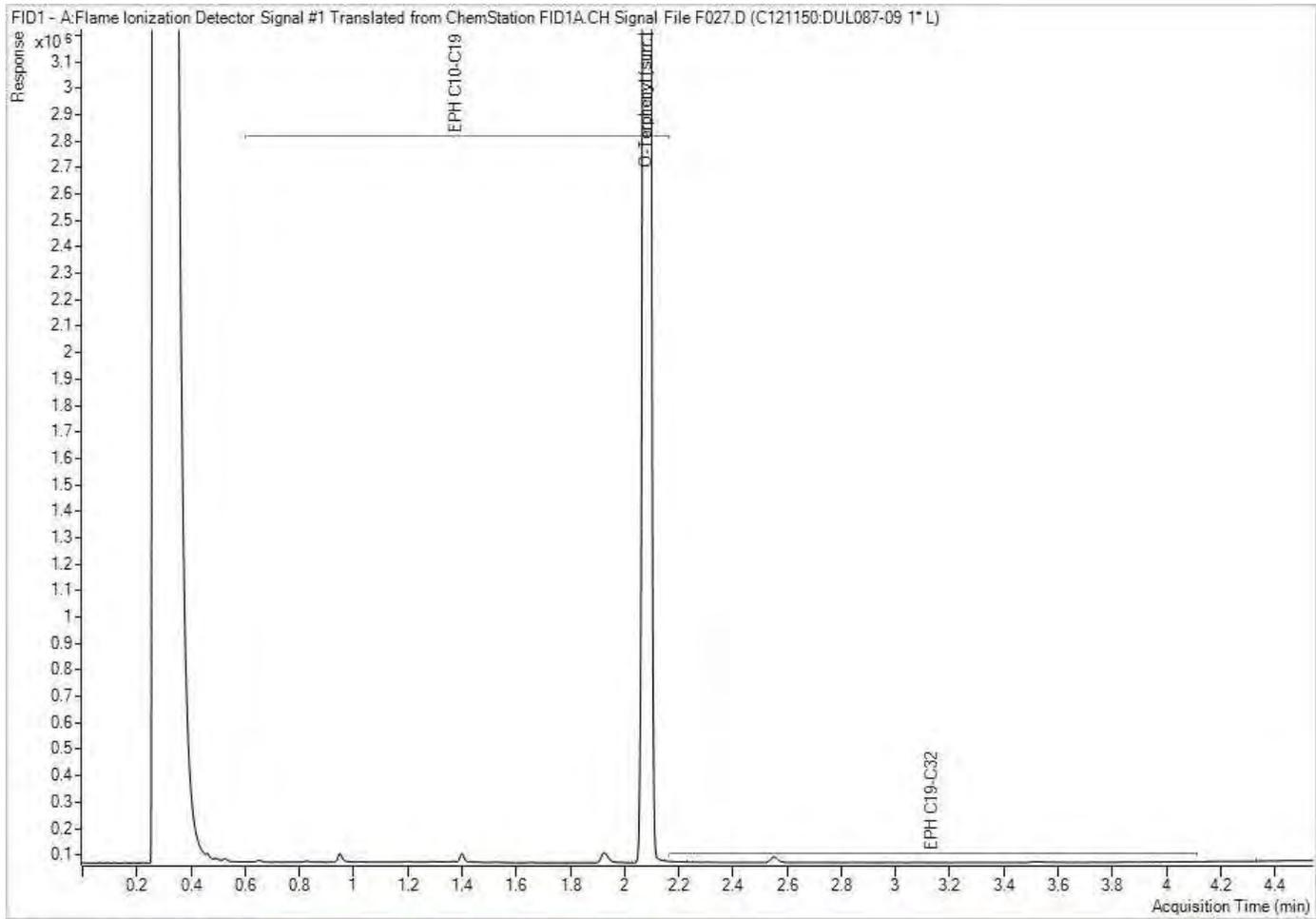
NO SEAL
LEE FROZON

T. file 1/4/12
1/6/15/15
1/4/15/14



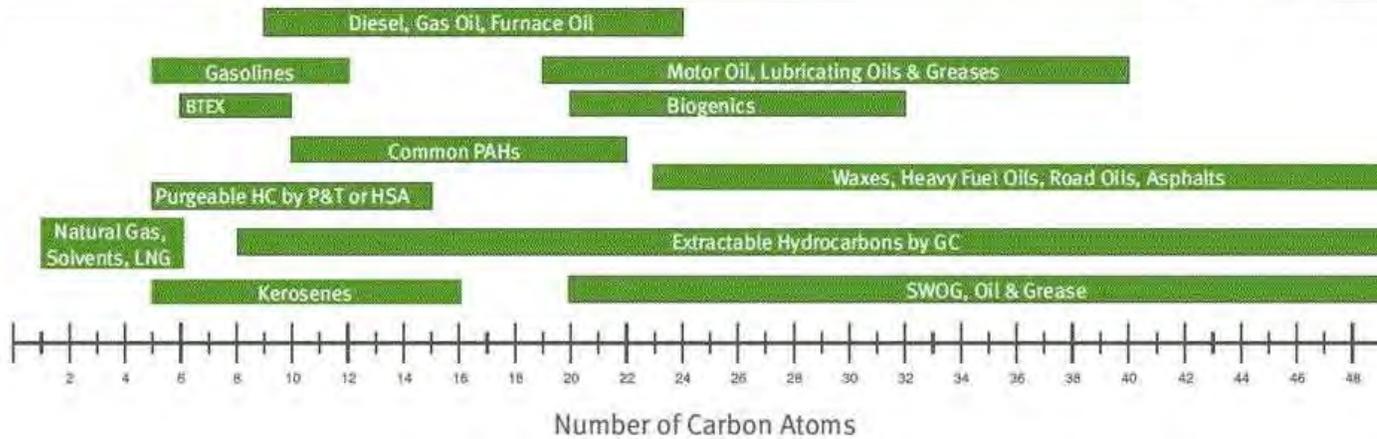
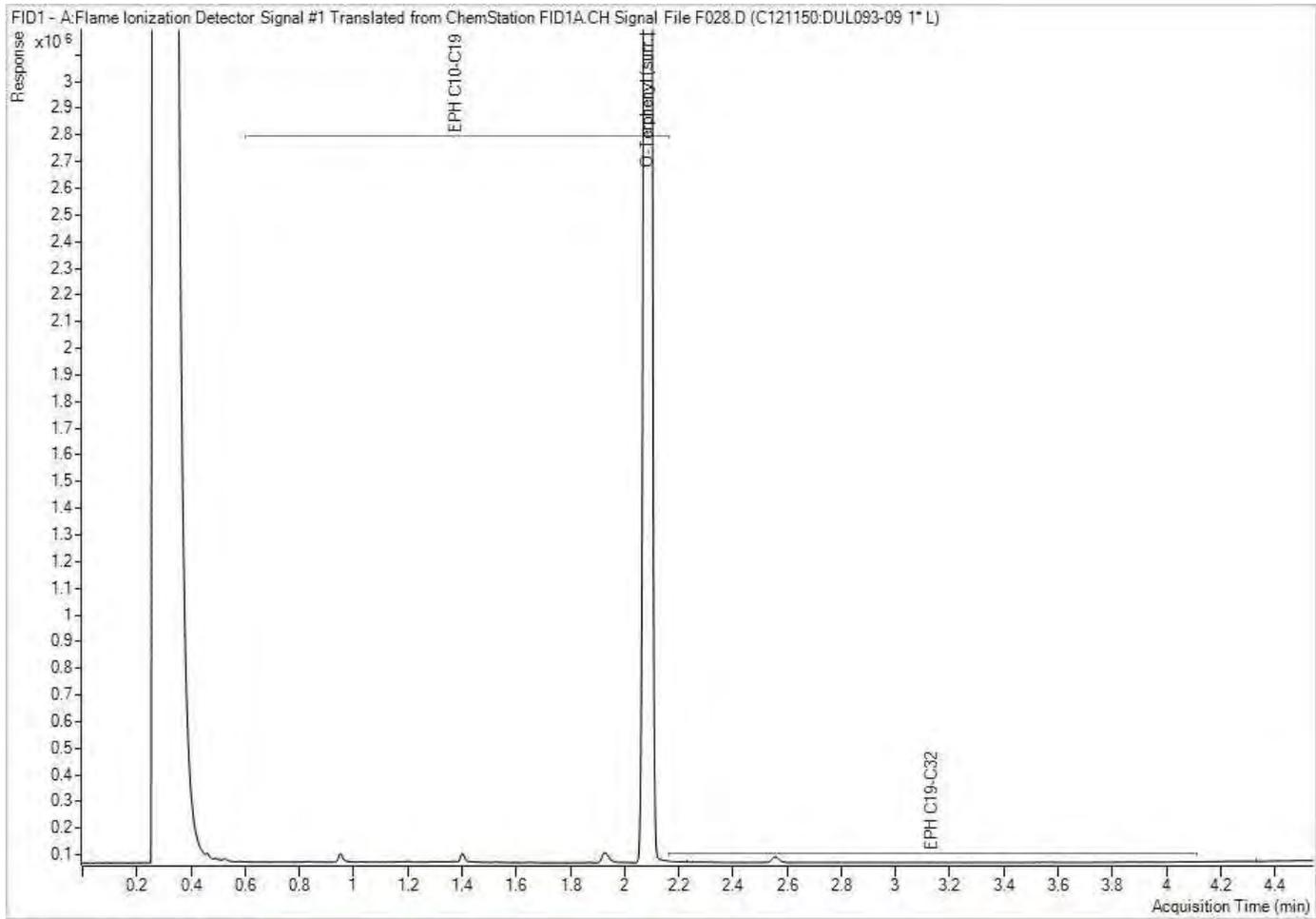
NVAN-2025-10-550

EPH in Water when PAH required Chromatogram



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

EPH in Water when PAH required Chromatogram



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



eCOC: W115557



Project Information: C584257
 Job Received: 2025/10/07 15:45
 Expected TAT: Standard TAT
 Expected Arrival: 2025/10/07 16:45
 Submitted By: Adrienne Trac
 Submitted To: Burnaby ENV: 4606
 Canada Way

Invoice Information

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

Report Information

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

Project Information

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

Analytical Summary

A: Standard TAT

Client Sample ID	Clnt Ref	Sampling Date/Time	Matrix	#Cont	Woodfibre 2025	Woodfibre Additional 2025	Woodfibre Blank 2025	Rainbow Trout LC50 Multi-concentration	Set Number
WLNG-DS	1	2025/10/07	WATER	14	A				1
WLNG -EOP	2	2025/10/07	WATER	22	A	A		A	2
WLNG-US	3	2025/10/07	WATER	14	A				1
SQRI-US	4	2025/10/07	WATER	14	A				1
SQRI-DS	5	2025/10/07	WATER	14	A				1
Field Blank	6	2025/10/07	WATER	14			A		3
Trip Blank	7	2025/10/07	WATER	14			A		3
DUP	8	2025/10/07	WATER	18	A	A			4

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

Submission Information

of Samples: 8

Sample Set Listing

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

CERTIFICATE OF ANALYSIS

Work Order	: VA25C6407	Laboratory	: ALS Environmental - Vancouver
Amendment	: 1	Account Manager	: Kevin Bhikadia
Client	: Frontier-Kemper Michels Joint Venture	Address	: 8081 Lougheed Highway Burnaby BC Canada V5A 1W9
Contact	: Sara Derakhshi	E-mail	: Kevin.Bhikadia@alsglobal.com
Address	: 404-850 Harbourside Drive North Vancouver British Columbia Canada V7P 0A3	Telephone	: +1 604 253 4188
Telephone	: ----	Date Samples Received	: 06-Oct-2025 19:00
Project	: EGP 150	Date Analysis Commenced	: 06-Oct-2025
PO	: ----	Issue Date	: 09-Oct-2025 11:10
C-O-C number	: 23-1085342		
Sampler	: ----		
Site	: BCR		
Quote number	: WTP Discharge		
No. of samples received	: 1		
No. of samples analysed	: 1		

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

This 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>
Hdeep Kaur	Lab Assistant	Inorganics, Burnaby, British Columbia
Jaewook Lee	Lab Assistant	Metals, Burnaby, British Columbia
James Diacon	Lab Analyst	Inorganics, Edmonton, Alberta
Janice Leung	Supervisor - Organics Instrumentation	Organics, Burnaby, British Columbia
Kate Dimitrova	Supervisor - Inorganic	Inorganics, Burnaby, British Columbia
Kevin Duarte	Supervisor - Metals ICP Instrumentation	Metals, Burnaby, British Columbia
Manvi Arora	Account Manager Assistant	Administration, Burnaby, British Columbia
Owen Cheng		Metals, Burnaby, British Columbia
Rebecca Sit	Supervisor - Organics Extractions	Inorganics, 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 (09/10/2025): This report has been amended and re-released to allow the reporting of additional analytical data. Phenols, VOC/VPH, Anions, Nutrients, Hydrocarbons and Glycols are now reported for the 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	06-Oct-2025 16:00	---	---	---	---
Analyte	CAS Number	Method/Lab	LOR	Unit	VA25C6407-001	---	---	---	---	---
					ResultMU	---	---	---	---	---
Field Tests										
pH, field	---	EF001/VA	0.10	pH units	7.50	---	---	---	---	---
Temperature, field	---	EF001/VA	0.10	°C	18.0	---	---	---	---	---
Sample Preparation										
Dissolved carbon filtration location	---	EP358/VA	-	-	lab	---	---	---	---	---
Physical Tests										
Alkalinity, bicarbonate (as CaCO3)	---	E290/VA	2.0	mg/L	50.2	---	---	---	---	---
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	50.2	---	---	---	---	---
Conductivity	---	E100/VA	2.0	µS/cm	333	---	---	---	---	---
Hardness (as CaCO3), dissolved	---	EC100/VA	0.60	mg/L	3.68	---	---	---	---	---
Hardness (as CaCO3), from total Ca/Mg	---	EC100A/VA	0.60	mg/L	3.83	---	---	---	---	---
Oxidation-reduction potential [ORP]	---	E125/VA	0.10	mV	280	---	---	---	---	---
pH	---	E108/VA	0.10	pH units	7.61	---	---	---	---	---
Solids, total dissolved [TDS]	---	E162/VA	10	mg/L	200	---	---	---	---	---
Solids, total suspended [TSS]	---	E160/VA	3.0	mg/L	<3.0	---	---	---	---	---
Turbidity	---	E121/VA	0.10	NTU	0.18	---	---	---	---	---
Anions and Nutrients										
Ammonia, total (as N)	7664-41-7	E298/VA	0.0050	mg/L	0.0155	---	---	---	---	---
Ammonium (as NH4), field	14798-03-9	EC298A/VA	0.0010	mg/L	0.0197	---	---	---	---	---



Analytical Results

Sub-Matrix: Water
 (Matrix: Water)

					Client sample ID	WTP	---	---	---	---
					Client sampling date / time	06-Oct-2025 16:00	---	---	---	---
Analyte	CAS Number	Method/Lab	LOR	Unit	VA25C6407-001	---	---	---	---	---
						ResultMU	---	---	---	---
Anions and Nutrients										
Bromide	24959-67-9	E235.Br-L/VA	0.050	mg/L	0.206	---	---	---	---	---
Chloride	16887-00-6	E235.Cl/VA	0.50	mg/L	67.2	---	---	---	---	---
Fluoride	16984-48-8	E235.F/VA	0.020	mg/L	0.262	---	---	---	---	---
Nitrate (as N)	14797-55-8	E235.NO3-L/VA	0.0050	mg/L	0.0976	---	---	---	---	---
Nitrite (as N)	14797-65-0	E235.NO2-L/VA	0.0010	mg/L	<0.0010	---	---	---	---	---
Nitrogen, total	7727-37-9	E366/VA	0.030	mg/L	0.236	---	---	---	---	---
Phosphorus, total	7723-14-0	E372-U/VA	0.0020	mg/L	0.117	---	---	---	---	---
Sulfate (as SO4)	14808-79-8	E235.SO4/VA	0.30	mg/L	5.19	---	---	---	---	---
Organic / Inorganic Carbon										
Carbon, dissolved organic [DOC]	---	E358-L/VA	0.50	mg/L	1.09	---	---	---	---	---
Carbon, total organic [TOC]	---	E355-L/VA	0.50	mg/L	1.17	---	---	---	---	---
Total Metals										
Aluminum, total	7429-90-5	E420/VA	0.0030	mg/L	0.0360	---	---	---	---	---
Antimony, total	7440-36-0	E420/VA	0.00010	mg/L	0.00018	---	---	---	---	---
Arsenic, total	7440-38-2	E420/VA	0.00010	mg/L	0.00032	---	---	---	---	---
Barium, total	7440-39-3	E420/VA	0.00010	mg/L	0.00106	---	---	---	---	---
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	0.019	---	---	---	---	---
Cadmium, total	7440-43-9	E420/VA	0.0000050	mg/L	<0.0000050	---	---	---	---	---
Calcium, total	7440-70-2	E420/VA	0.050	mg/L	0.912	---	---	---	---	---



Analytical Results

Sub-Matrix: Water
 (Matrix: Water)

					Client sample ID	WTP	---	---	---	---
					Client sampling date / time	06-Oct-2025 16:00	---	---	---	---
Analyte	CAS Number	Method/Lab	LOR	Unit	VA25C6407-001	---	---	---	---	---
						ResultMU	---	---	---	---
Total Metals										
Cesium, total	7440-46-2	E420/VA	0.000010	mg/L	0.000026	---	---	---	---	---
Chromium, total	7440-47-3	E420/VA	0.00050	mg/L	<0.00050	---	---	---	---	---
Cobalt, total	7440-48-4	E420/VA	0.00010	mg/L	<0.00010	---	---	---	---	---
Copper, total	7440-50-8	E420/VA	0.00050	mg/L	0.00089	---	---	---	---	---
Iron, total	7439-89-6	E420/VA	0.010	mg/L	0.064	---	---	---	---	---
Lead, total	7439-92-1	E420/VA	0.000050	mg/L	<0.000050	---	---	---	---	---
Lithium, total	7439-93-2	E420/VA	0.0010	mg/L	0.0012	---	---	---	---	---
Magnesium, total	7439-95-4	E420/VA	0.0050	mg/L	0.377	---	---	---	---	---
Manganese, total	7439-96-5	E420/VA	0.00010	mg/L	0.00028	---	---	---	---	---
Mercury, total	7439-97-6	E508/VA	0.0000050	mg/L	<0.0000050	---	---	---	---	---
Molybdenum, total	7439-98-7	E420/VA	0.000050	mg/L	0.0290	---	---	---	---	---
Nickel, total	7440-02-0	E420/VA	0.00050	mg/L	<0.00050	---	---	---	---	---
Phosphorus, total	7723-14-0	E420/VA	0.050	mg/L	0.123	---	---	---	---	---
Potassium, total	7440-09-7	E420/VA	0.050	mg/L	4.57	---	---	---	---	---
Rubidium, total	7440-17-7	E420/VA	0.00020	mg/L	0.00127	---	---	---	---	---
Selenium, total	7782-49-2	E420/VA	0.000050	mg/L	<0.000050	---	---	---	---	---
Silicon, total	7440-21-3	E420/VA	0.10	mg/L	9.76	---	---	---	---	---
Silver, total	7440-22-4	E420/VA	0.000010	mg/L	<0.000010	---	---	---	---	---
Sodium, total	7440-23-5	E420/VA	0.050	mg/L	64.9	---	---	---	---	---
Strontium, total	7440-24-6	E420/VA	0.00020	mg/L	0.0103	---	---	---	---	---
Sulfur, total	7704-34-9	E420/VA	0.50	mg/L	2.01	---	---	---	---	---



Analytical Results

Sub-Matrix: Water
 (Matrix: Water)

					Client sample ID	WTP	----	----	----	----
					Client sampling date / time	06-Oct-2025 16:00	----	----	----	----
Analyte	CAS Number	Method/Lab	LOR	Unit	VA25C6407-001	----	----	----	----	----
						ResultMU	----	----	----	----
Total Metals										
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	<0.00030	----	----	----	----	----
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	0.00489	----	----	----	----	----
Zinc, total	7440-66-6	E420/VA	0.0030	mg/L	0.0043	----	----	----	----	----
Zirconium, total	7440-67-7	E420/VA	0.00020	mg/L	<0.00020	----	----	----	----	----
Dissolved Metals										
Aluminum, dissolved	7429-90-5	E421/VA	0.0010	mg/L	0.0319	----	----	----	----	----
Antimony, dissolved	7440-36-0	E421/VA	0.00010	mg/L	0.00017	----	----	----	----	----
Arsenic, dissolved	7440-38-2	E421/VA	0.00010	mg/L	0.00025	----	----	----	----	----
Barium, dissolved	7440-39-3	E421/VA	0.00010	mg/L	0.00110	----	----	----	----	----
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	0.018	----	----	----	----	----
Cadmium, dissolved	7440-43-9	E421/VA	0.0000050	mg/L	<0.0000100 ^{DLM}	----	----	----	----	----
Calcium, dissolved	7440-70-2	E421/VA	0.050	mg/L	0.871	----	----	----	----	----
Cesium, dissolved	7440-46-2	E421/VA	0.000010	mg/L	0.000024	----	----	----	----	----



Analytical Results

Sub-Matrix: Water
 (Matrix: Water)

					Client sample ID	WTP	---	---	---	---
					Client sampling date / time	06-Oct-2025 16:00	---	---	---	---
Analyte	CAS Number	Method/Lab	LOR	Unit	VA25C6407-001	---	---	---	---	---
						ResultMU	---	---	---	---
Dissolved Metals										
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	0.00086	---	---	---	---	---
Iron, dissolved	7439-89-6	E421/VA	0.010	mg/L	0.057	---	---	---	---	---
Lead, dissolved	7439-92-1	E421/VA	0.000050	mg/L	<0.000050	---	---	---	---	---
Lithium, dissolved	7439-93-2	E421/VA	0.0010	mg/L	0.0011	---	---	---	---	---
Magnesium, dissolved	7439-95-4	E421/VA	0.0050	mg/L	0.366	---	---	---	---	---
Manganese, dissolved	7439-96-5	E421/VA	0.00010	mg/L	0.00023	---	---	---	---	---
Mercury, dissolved	7439-97-6	E509/VA	0.0000050	mg/L	<0.0000050	---	---	---	---	---
Molybdenum, dissolved	7439-98-7	E421/VA	0.000050	mg/L	0.0293	---	---	---	---	---
Nickel, dissolved	7440-02-0	E421/VA	0.00050	mg/L	<0.00050	---	---	---	---	---
Phosphorus, dissolved	7723-14-0	E421/VA	0.050	mg/L	0.118	---	---	---	---	---
Potassium, dissolved	7440-09-7	E421/VA	0.050	mg/L	4.60	---	---	---	---	---
Rubidium, dissolved	7440-17-7	E421/VA	0.00020	mg/L	0.00115	---	---	---	---	---
Selenium, dissolved	7782-49-2	E421/VA	0.000050	mg/L	<0.000050	---	---	---	---	---
Silicon, dissolved	7440-21-3	E421/VA	0.050	mg/L	10.0	---	---	---	---	---
Silver, dissolved	7440-22-4	E421/VA	0.000010	mg/L	<0.000010	---	---	---	---	---
Sodium, dissolved	7440-23-5	E421/VA	0.050	mg/L	64.3	---	---	---	---	---
Strontium, dissolved	7440-24-6	E421/VA	0.00020	mg/L	0.0102	---	---	---	---	---
Sulfur, dissolved	7704-34-9	E421/VA	0.50	mg/L	1.73	---	---	---	---	---
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	06-Oct-2025 16:00	----	----	----	----
Analyte	CAS Number	Method/Lab	LOR	Unit	VA25C6407-001	----	----	----	----	
						ResultMU	----	----	----	----
Dissolved Metals										
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	<0.00030	----	----	----	----	
Tungsten, dissolved	7440-33-7	E421/VA	0.00010	mg/L	0.00021	----	----	----	----	
Uranium, dissolved	7440-61-1	E421/VA	0.000010	mg/L	<0.000010	----	----	----	----	
Vanadium, dissolved	7440-62-2	E421/VA	0.00050	mg/L	0.00472	----	----	----	----	
Zinc, dissolved	7440-66-6	E421/VA	0.0010	mg/L	0.0048	----	----	----	----	
Zirconium, dissolved	7440-67-7	E421/VA	0.00020	mg/L	<0.00020	----	----	----	----	
Dissolved mercury filtration location	----	EP509/VA	-	-	Field	----	----	----	----	
Dissolved metals filtration location	----	EP421/VA	-	-	Field	----	----	----	----	
Aggregate Organics										
Phenols, total (4AAP)	----	E562/EO	0.0010	mg/L	<0.0010	----	----	----	----	
Volatile Organic Compounds										
Chlorobenzene	108-90-7	E611C/VA	0.50	µg/L	<0.50	----	----	----	----	
Chloromethane	74-87-3	E611C/VA	5.0	µg/L	<5.0	----	----	----	----	
Dichlorobenzene, 1,2-	95-50-1	E611C/VA	0.50	µg/L	<0.50	----	----	----	----	
Dichlorobenzene, 1,3-	541-73-1	E611C/VA	0.50	µg/L	<0.50	----	----	----	----	
Dichlorobenzene, 1,4-	106-46-7	E611C/VA	0.50	µg/L	<0.50	----	----	----	----	
Dichloropropane, 1,2-	78-87-5	E611C/VA	0.50	µg/L	<0.50	----	----	----	----	
Dichloropropylene, cis-1,3-	10061-01-5	E611C/VA	0.50	µg/L	<0.50	----	----	----	----	



Analytical Results

Sub-Matrix: Water
 (Matrix: Water)

					Client sample ID	WTP	----	----	----	----
					Client sampling date / time	06-Oct-2025 16:00	----	----	----	----
Analyte	CAS Number	Method/Lab	LOR	Unit	VA25C6407-001	----	----	----	----	
						ResultMU	----	----	----	----
Volatile Organic Compounds										
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	----	----	----	----	
Volatile Organic Compounds [Drycleaning]										
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	----	----	----	----	
Volatile Organic Compounds [Fuels]										
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	06-Oct-2025 16:00	---	---	---	---
Analyte	CAS Number	Method/Lab	LOR	Unit	VA25C6407-001	---	---	---	---	---
						ResultMU	---	---	---	---
Volatile Organic Compounds [Fuels]										
Ethylbenzene	100-41-4	E611CVA	0.50	µg/L	<0.50	---	---	---	---	---
Methyl-tert-butyl ether [MTBE]	1634-04-4	E611CVA	0.50	µg/L	<0.50	---	---	---	---	---
Styrene	100-42-5	E611CVA	0.50	µg/L	<0.50	---	---	---	---	---
Toluene	108-88-3	E611CVA	0.40	µg/L	<0.40	---	---	---	---	---
Xylene, m+p-	179601-23-1	E611CVA	0.40	µg/L	<0.40	---	---	---	---	---
Xylene, o-	95-47-6	E611CVA	0.30	µg/L	<0.30	---	---	---	---	---
Xylenes, total	1330-20-7	E611CVA	0.50	µg/L	<0.50	---	---	---	---	---
Volatile Organic Compounds [THMs]										
Bromodichloromethane	75-27-4	E611CVA	0.50	µg/L	<0.50	---	---	---	---	---
Bromoform	75-25-2	E611CVA	0.50	µg/L	<0.50	---	---	---	---	---
Chloroform	67-66-3	E611CVA	0.50	µg/L	<0.50	---	---	---	---	---
Dibromochloromethane	124-48-1	E611CVA	0.50	µg/L	<0.50	---	---	---	---	---
Hydrocarbons										
EPH (C10-C19)	---	E601A/VA	250	µg/L	<250	---	---	---	---	---
EPH (C19-C32)	---	E601A/VA	250	µg/L	<250	---	---	---	---	---
VHw (C6-C10)	---	E581.VH+F1/VA	100	µg/L	<100	---	---	---	---	---
HEPHw	---	EC600A/VA	250	µg/L	<250	---	---	---	---	---
LEPHw	---	EC600A/VA	250	µg/L	<250	---	---	---	---	---
VPHw	---	EC580A/VA	100	µg/L	<100	---	---	---	---	---
Hydrocarbons Surrogates										
Bromobenzotrifluoride, 2- (EPH surrogate)	392-83-6	E601A/VA	1.0	%	81.5	---	---	---	---	---



Analytical Results

Sub-Matrix: Water
 (Matrix: Water)

					Client sample ID	WTP	---	---	---	---
					Client sampling date / time	06-Oct-2025 16:00	---	---	---	---
Analyte	CAS Number	Method/Lab	LOR	Unit	VA25C6407-001	---	---	---	---	---
						ResultMU	---	---	---	---
Hydrocarbons Surrogates										
Dichlorotoluene, 3,4-	95-75-0	E581.VH+F1/VA	1.0	%	99.8	---	---	---	---	---
Volatile Organic Compounds Surrogates										
Bromofluorobenzene, 4-	460-00-4	E611C/VA	1.0	%	93.1	---	---	---	---	---
Difluorobenzene, 1,4-	540-36-3	E611C/VA	1.0	%	98.3	---	---	---	---	---
Polycyclic Aromatic Hydrocarbons										
Acenaphthene	83-32-9	E641A/VA	0.010	µg/L	<0.010	---	---	---	---	---
Acenaphthylene	208-96-8	E641A/VA	0.010	µg/L	<0.010	---	---	---	---	---
Acridine	260-94-6	E641A/VA	0.010	µg/L	<0.010	---	---	---	---	---
Anthracene	120-12-7	E641A/VA	0.010	µg/L	<0.010	---	---	---	---	---
Benz(a)anthracene	56-55-3	E641A/VA	0.010	µg/L	<0.010	---	---	---	---	---
Benzo(a)pyrene	50-32-8	E641A/VA	0.0050	µg/L	<0.0050	---	---	---	---	---
Benzo(b+j)fluoranthene	n/a	E641A/VA	0.010	µg/L	<0.010	---	---	---	---	---
Benzo(b+j+k)fluoranthene	n/a	E641A/VA	0.015	µg/L	<0.015	---	---	---	---	---
Benzo(g,h,i)perylene	191-24-2	E641A/VA	0.010	µg/L	<0.010	---	---	---	---	---
Benzo(k)fluoranthene	207-08-9	E641A/VA	0.010	µg/L	<0.010	---	---	---	---	---
Chrysene	218-01-9	E641A/VA	0.010	µg/L	<0.010	---	---	---	---	---
Dibenz(a,h)anthracene	53-70-3	E641A/VA	0.0050	µg/L	<0.0050	---	---	---	---	---
Fluoranthene	206-44-0	E641A/VA	0.010	µg/L	<0.010	---	---	---	---	---
Fluorene	86-73-7	E641A/VA	0.010	µg/L	<0.010	---	---	---	---	---
Indeno(1,2,3-c,d)pyrene	193-39-5	E641A/VA	0.010	µg/L	<0.010	---	---	---	---	---
Methylnaphthalene, 1-	90-12-0	E641A/VA	0.010	µg/L	<0.010	---	---	---	---	---



Analytical Results

Sub-Matrix: Water
 (Matrix: Water)

					Client sample ID	WTP	----	----	----	----
					Client sampling date / time	06-Oct-2025 16:00	----	----	----	----
Analyte	CAS Number	Method/Lab	LOR	Unit	VA25C6407-001	----	----	----	----	----
						ResultMU	----	----	----	----
Polycyclic Aromatic Hydrocarbons										
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	----	----	----	----	----
Polycyclic Aromatic Hydrocarbons Surrogates										
Chrysene-d12	1719-03-5	E641A/VA	0.1	%	90.5	----	----	----	----	----
Naphthalene-d8	1146-65-2	E641A/VA	0.1	%	93.5	----	----	----	----	----
Phenanthrene-d10	1517-22-2	E641A/VA	0.1	%	99.9	----	----	----	----	----
Glycols										
Diethylene glycol	111-46-6	E680E/VA	5.0	mg/L	<5.0	----	----	----	----	----
Ethylene glycol	107-21-1	E680E/VA	5.0	mg/L	<5.0	----	----	----	----	----
Propylene glycol, 1,2-	57-55-6	E680E/VA	5.0	mg/L	<5.0	----	----	----	----	----
Triethylene glycol	112-27-6	E680E/VA	5.0	mg/L	<5.0	----	----	----	----	----
Glycols, total (EG+DEG+PG)	----	E680E/VA	10	mg/L	<10	----	----	----	----	----
Glycols Surrogates										
Propanediol, 1,3-	504-63-2	E680E/VA	1.0	%	77.4	----	----	----	----	----

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

QUALITY CONTROL REPORT

Work Order	: VA25C6407	Page	: 1 of 21
Amendment	: 1		
Client	: Frontier-Kemper Michels Joint Venture	Laboratory	: ALS Environmental - Vancouver
Contact	: Sara Derakhshi	Account Manager	: Kevin Bhikadia
Address	: 404-850 Harbourside Drive North Vancouver BC Canada V7P 0A3	Address	: 8081 Lougheed Highway Burnaby, British Columbia Canada V5A 1W9
Telephone	: ----	Telephone	: +1 604 253 4188
Project	: EGP 150	Date Samples Received	: 06-Oct-2025 19:00
PO	: ----	Date Analysis Commenced	: 06-Oct-2025
C-O-C number	: 23-1085342	Issue Date	: 09-Oct-2025 11:12
Sampler	: ----		
Site	: BCR		
Quote number	: WTP Discharge		
No. of samples received	: 1		
No. of samples analysed	: 1		

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

This Quality Control Report contains the following information:

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

Signatories

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

<i>Signatories</i>	<i>Position</i>	<i>Laboratory Department</i>
Hdeep Kaur	Lab Assistant	Vancouver Inorganics, Burnaby, British Columbia
Jaewook Lee	Lab Assistant	Vancouver Metals, Burnaby, British Columbia
James Diacon	Lab Analyst	Edmonton Inorganics, Edmonton, Alberta
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Rebecca Sit	Supervisor - Organics Extractions	Vancouver Inorganics, Burnaby, British Columbia
Robin Weeks	Supervisor - Organics Extractions	Vancouver Organics, Burnaby, British Columbia

Page : 2 of 21
Work Order : VA25C6407 Amendment 1
Client : Frontier-Kemper Michels Joint Venture
Project : EGP 150



General Comments

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

Key :

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

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

DQO = Data Quality Objective.

LOR = Limit of Reporting (detection limit).

RPD = Relative Percent Difference

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

Workorder Comments

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



Laboratory Duplicate (DUP) Report

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

Sub-Matrix: Water					Laboratory Duplicate (DUP) Report						
Laboratory sample ID	Client sample ID	Analyte	CAS Number	Method	LOR	Unit	Original Result	Duplicate Result	RPD(%) or Difference	Duplicate Limits	Qualifier
Physical Tests (QC Lot: 2261506)											
VA25C6407-001	WTP	pH	----	E108	0.10	pH units	7.61	7.62	0.131%	4%	----
Physical Tests (QC Lot: 2261508)											
VA25C6407-001	WTP	Conductivity	----	E100	2.0	µS/cm	333	331	0.602%	10%	----
Physical Tests (QC Lot: 2261521)											
VA25C6333-001	Anonymous	Turbidity	----	E121	0.10	NTU	0.52	0.54	0.02	Diff <2x LOR	----
Physical Tests (QC Lot: 2261561)											
VA25C6341-001	Anonymous	Solids, total suspended [TSS]	----	E160	3.0	mg/L	8.3	4.1	4.2	Diff <2x LOR	----
Physical Tests (QC Lot: 2261562)											
VA25C6341-001	Anonymous	Solids, total dissolved [TDS]	----	E162	20	mg/L	4410	4480	1.66%	20%	----
Physical Tests (QC Lot: 2262196)											
FJ2503050-001	Anonymous	Oxidation-reduction potential [ORP]	----	E125	0.10	mV	212	209	1.19%	10%	----
Anions and Nutrients (QC Lot: 2261574)											
VA25C6407-001	WTP	Ammonia, total (as N)	7664-41-7	E298	0.0050	mg/L	0.0155	0.0166	0.0010	Diff <2x LOR	----
Anions and Nutrients (QC Lot: 2263454)											
VA25C6407-001	WTP	Sulfate (as SO4)	14808-79-8	E235.SO4	0.30	mg/L	5.19	5.21	0.375%	20%	----
Anions and Nutrients (QC Lot: 2263455)											
VA25C6407-001	WTP	Chloride	16887-00-6	E235.Cl	0.50	mg/L	67.2	67.2	0.0209%	20%	----
Anions and Nutrients (QC Lot: 2263456)											
VA25C6407-001	WTP	Nitrate (as N)	14797-55-8	E235.NO3-L	0.0050	mg/L	0.0976	0.0978	0.258%	20%	----
Anions and Nutrients (QC Lot: 2263457)											
VA25C6407-001	WTP	Nitrite (as N)	14797-65-0	E235.NO2-L	0.0010	mg/L	<0.0010	<0.0010	0	Diff <2x LOR	----
Anions and Nutrients (QC Lot: 2263458)											
VA25C6407-001	WTP	Fluoride	16984-48-8	E235.F	0.020	mg/L	0.262	0.264	0.744%	20%	----
Anions and Nutrients (QC Lot: 2263459)											
VA25C6407-001	WTP	Bromide	24959-67-9	E235.Br-L	0.050	mg/L	0.206	0.208	0.002	Diff <2x LOR	----
Anions and Nutrients (QC Lot: 2263499)											
VA25C6038-001	Anonymous	Nitrogen, total	7727-37-9	E366	1.50	mg/L	9.83	9.64	0.193	Diff <2x LOR	----
Anions and Nutrients (QC Lot: 2263500)											
VA25C6038-001	Anonymous	Phosphorus, total	7723-14-0	E372-U	0.0020	mg/L	0.0208	0.0198	4.87%	20%	----
Organic / Inorganic Carbon (QC Lot: 2261575)											



Sub-Matrix: Water					Laboratory Duplicate (DUP) Report						
Laboratory sample ID	Client sample ID	Analyte	CAS Number	Method	LOR	Unit	Original Result	Duplicate Result	RPD(%) or Difference	Duplicate Limits	Qualifier
Organic / Inorganic Carbon (QC Lot: 2261575) - continued											
VA25C6414-001	Anonymous	Carbon, dissolved organic [DOC]	----	E358-L	0.50	mg/L	7.21	7.59	5.08%	20%	----
Organic / Inorganic Carbon (QC Lot: 2263498)											
VA25C6038-001	Anonymous	Carbon, total organic [TOC]	----	E355-L	0.50	mg/L	5.21	5.44	4.48%	20%	----
Total Metals (QC Lot: 2261515)											
VA25C6407-001	WTP	Aluminum, total	7429-90-5	E420	0.0030	mg/L	0.0360	0.0366	1.68%	20%	----
		Antimony, total	7440-36-0	E420	0.00010	mg/L	0.00018	0.00018	0.000008	Diff <2x LOR	----
		Arsenic, total	7440-38-2	E420	0.00010	mg/L	0.00032	0.00031	0.00002	Diff <2x LOR	----
		Barium, total	7440-39-3	E420	0.00010	mg/L	0.00106	0.00110	4.10%	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	0.019	0.018	0.001	Diff <2x LOR	----
		Cadmium, total	7440-43-9	E420	0.0000050	mg/L	<0.0000050	<0.0000050	0	Diff <2x LOR	----
		Calcium, total	7440-70-2	E420	0.050	mg/L	0.912	0.857	6.23%	20%	----
		Cesium, total	7440-46-2	E420	0.000010	mg/L	0.000026	0.000026	0.0000004	Diff <2x LOR	----
		Chromium, total	7440-47-3	E420	0.00050	mg/L	<0.00050	<0.00050	0	Diff <2x LOR	----
		Cobalt, total	7440-48-4	E420	0.00010	mg/L	<0.00010	<0.00010	0	Diff <2x LOR	----
		Copper, total	7440-50-8	E420	0.00050	mg/L	0.00089	0.00089	0.0000009	Diff <2x LOR	----
		Iron, total	7439-89-6	E420	0.010	mg/L	0.064	0.063	0.0009	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	0.0012	0.0011	0.00007	Diff <2x LOR	----
		Magnesium, total	7439-95-4	E420	0.0050	mg/L	0.377	0.373	1.12%	20%	----
		Manganese, total	7439-96-5	E420	0.00010	mg/L	0.00028	0.00027	0.000009	Diff <2x LOR	----
		Molybdenum, total	7439-98-7	E420	0.000050	mg/L	0.0290	0.0293	1.28%	20%	----
		Nickel, total	7440-02-0	E420	0.00050	mg/L	<0.00050	<0.00050	0	Diff <2x LOR	----
		Phosphorus, total	7723-14-0	E420	0.050	mg/L	0.123	0.141	0.018	Diff <2x LOR	----
		Potassium, total	7440-09-7	E420	0.050	mg/L	4.57	4.51	1.25%	20%	----
		Rubidium, total	7440-17-7	E420	0.00020	mg/L	0.00127	0.00126	0.000007	Diff <2x LOR	----
		Selenium, total	7782-49-2	E420	0.000050	mg/L	<0.000050	<0.000050	0	Diff <2x LOR	----
		Silicon, total	7440-21-3	E420	0.10	mg/L	9.76	9.84	0.814%	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	64.9	64.7	0.302%	20%	----
		Strontium, total	7440-24-6	E420	0.00020	mg/L	0.0103	0.0102	0.917%	20%	----
		Sulfur, total	7704-34-9	E420	0.50	mg/L	2.01	1.90	0.11	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
Total Metals (QC Lot: 2261515) - continued											
VA25C6407-001	WTP	Thallium, total	7440-28-0	E420	0.000010	mg/L	<0.000010	<0.000010	0	Diff <2x LOR	----
		Thorium, total	7440-29-1	E420	0.00010	mg/L	<0.00010	<0.00010	0	Diff <2x LOR	----
		Tin, total	7440-31-5	E420	0.00010	mg/L	<0.00010	<0.00010	0	Diff <2x LOR	----
		Titanium, total	7440-32-6	E420	0.00030	mg/L	<0.00030	<0.00030	0	Diff <2x LOR	----
		Tungsten, total	7440-33-7	E420	0.00010	mg/L	0.00021	0.00021	0.000001	Diff <2x LOR	----
		Uranium, total	7440-61-1	E420	0.000010	mg/L	<0.000010	<0.000010	0	Diff <2x LOR	----
		Vanadium, total	7440-62-2	E420	0.00050	mg/L	0.00489	0.00483	0.00006	Diff <2x LOR	----
		Zinc, total	7440-66-6	E420	0.0030	mg/L	0.0043	0.0043	0.00006	Diff <2x LOR	----
		Zirconium, total	7440-67-7	E420	0.00020	mg/L	<0.00020	<0.00020	0	Diff <2x LOR	----
Total Metals (QC Lot: 2261628)											
VA25C5075-001	Anonymous	Mercury, total	7439-97-6	E508	0.0000500	mg/L	<0.0000500	<0.0000500	0	Diff <2x LOR	----
Dissolved Metals (QC Lot: 2261514)											
VA25C6407-001	WTP	Aluminum, dissolved	7429-90-5	E421	0.0010	mg/L	0.0319	0.0331	3.59%	20%	----
		Antimony, dissolved	7440-36-0	E421	0.00010	mg/L	0.00017	0.00017	0.000004	Diff <2x LOR	----
		Arsenic, dissolved	7440-38-2	E421	0.00010	mg/L	0.00025	0.00027	0.00003	Diff <2x LOR	----
		Barium, dissolved	7440-39-3	E421	0.00010	mg/L	0.00110	0.00110	0.291%	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	0.018	0.018	0.0004	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	0.871	0.881	1.12%	20%	----
		Cesium, dissolved	7440-46-2	E421	0.000010	mg/L	0.000024	0.000025	0.0000005	Diff <2x LOR	----
		Chromium, dissolved	7440-47-3	E421	0.00050	mg/L	<0.00050	<0.00050	0	Diff <2x LOR	----
		Cobalt, dissolved	7440-48-4	E421	0.00010	mg/L	<0.00010	<0.00010	0	Diff <2x LOR	----
		Copper, dissolved	7440-50-8	E421	0.00020	mg/L	0.00086	0.00085	0.00002	Diff <2x LOR	----
		Iron, dissolved	7439-89-6	E421	0.010	mg/L	0.057	0.058	0.0003	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	0.0011	0.0011	0.00002	Diff <2x LOR	----
		Magnesium, dissolved	7439-95-4	E421	0.0050	mg/L	0.366	0.368	0.757%	20%	----
		Manganese, dissolved	7439-96-5	E421	0.00010	mg/L	0.00023	0.00024	0.000006	Diff <2x LOR	----
		Molybdenum, dissolved	7439-98-7	E421	0.000050	mg/L	0.0293	0.0291	0.962%	20%	----
		Nickel, dissolved	7440-02-0	E421	0.00050	mg/L	<0.00050	<0.00050	0	Diff <2x LOR	----
Phosphorus, dissolved	7723-14-0	E421	0.050	mg/L	0.118	0.130	0.011	Diff <2x LOR	----		
Potassium, dissolved	7440-09-7	E421	0.050	mg/L	4.60	4.61	0.171%	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
Dissolved Metals (QC Lot: 2261514) - continued											
VA25C6407-001	WTP	Rubidium, dissolved	7440-17-7	E421	0.00020	mg/L	0.00115	0.00131	0.00016	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	10.0	10.1	0.165%	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	64.3	64.4	0.136%	20%	----
		Strontium, dissolved	7440-24-6	E421	0.00020	mg/L	0.0102	0.0101	0.662%	20%	----
		Sulfur, dissolved	7704-34-9	E421	0.50	mg/L	1.73	1.82	0.08	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	<0.00030	<0.00030	0	Diff <2x LOR	----
		Tungsten, dissolved	7440-33-7	E421	0.00010	mg/L	0.00021	0.00022	0.000008	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	0.00472	0.00485	0.00013	Diff <2x LOR	----
Zinc, dissolved	7440-66-6	E421	0.0010	mg/L	0.0048	0.0048	0.00008	Diff <2x LOR	----		
Zirconium, dissolved	7440-67-7	E421	0.00020	mg/L	<0.00020	<0.00020	0	Diff <2x LOR	----		
Dissolved Metals (QC Lot: 2261629)											
FJ2503004-003	Anonymous	Mercury, dissolved	7439-97-6	E509	0.0000050	mg/L	<0.0000050	<0.0000050	0	Diff <2x LOR	----
Aggregate Organics (QC Lot: 2265588)											
SK2506086-001	Anonymous	Phenols, total (4AAP)	----	E562	0.0010	mg/L	0.0028	0.0033	0.0005	Diff <2x LOR	----
Volatile Organic Compounds (QC Lot: 2263947)											
VA25C6407-001	WTP	Benzene	71-43-2	E611C	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----
		Bromodichloromethane	75-27-4	E611C	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----
		Bromoform	75-25-2	E611C	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----
		Carbon tetrachloride	56-23-5	E611C	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----
		Chlorobenzene	108-90-7	E611C	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----
		Chloroethane	75-00-3	E611C	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----
		Chloroform	67-66-3	E611C	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----
		Chloromethane	74-87-3	E611C	5.0	µg/L	<5.0	<5.0	0	Diff <2x LOR	----
		Dibromochloromethane	124-48-1	E611C	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----
		Dichlorobenzene, 1,2-	95-50-1	E611C	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----
		Dichlorobenzene, 1,3-	541-73-1	E611C	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----
		Dichlorobenzene, 1,4-	106-46-7	E611C	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----



Sub-Matrix: Water					Laboratory Duplicate (DUP) Report						
Laboratory sample ID	Client sample ID	Analyte	CAS Number	Method	LOR	Unit	Original Result	Duplicate Result	RPD(%) or Difference	Duplicate Limits	Qualifier
Volatile Organic Compounds (QC Lot: 2263947) - continued											
VA25C6407-001	WTP	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	----		
Hydrocarbons (QC Lot: 2263946)											
VA25C6407-001	WTP	VHw (C6-C10)	----	E581.VH+F1	100	µg/L	<100	<100	0.0%	30%	----
Glycols (QC Lot: 2263530)											
VA25C6407-001	WTP	Diethylene glycol	111-46-6	E680E	5.0	mg/L	<5.0	<5.0	0	Diff <2x LOR	----
		Ethylene glycol	107-21-1	E680E	5.0	mg/L	<5.0	<5.0	0	Diff <2x LOR	----
		Propylene glycol, 1,2-	57-55-6	E680E	5.0	mg/L	<5.0	<5.0	0	Diff <2x LOR	----
		Triethylene glycol	112-27-6	E680E	5.0	mg/L	<5.0	<5.0	0	Diff <2x LOR	----



Method Blank (MB) Report

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

Sub-Matrix: **Water**

Analyte	CAS Number	Method	LOR	Unit	Result	Qualifier
Physical Tests (QCLot: 2261507)						
Alkalinity, bicarbonate (as CaCO3)	---	E290	1	mg/L	1.7	---
Alkalinity, carbonate (as CaCO3)	---	E290	1	mg/L	<1.0	---
Alkalinity, hydroxide (as CaCO3)	---	E290	1	mg/L	<1.0	---
Alkalinity, phenolphthalein (as CaCO3)	---	E290	1	mg/L	<1.0	---
Alkalinity, total (as CaCO3)	---	E290	1	mg/L	1.7	---
Physical Tests (QCLot: 2261508)						
Conductivity	---	E100	1	µS/cm	<1.0	---
Physical Tests (QCLot: 2261521)						
Turbidity	---	E121	0.1	NTU	<0.10	---
Physical Tests (QCLot: 2261561)						
Solids, total suspended [TSS]	---	E160	3	mg/L	<3.0	---
Physical Tests (QCLot: 2261562)						
Solids, total dissolved [TDS]	---	E162	10	mg/L	<10	---
Anions and Nutrients (QCLot: 2261574)						
Ammonia, total (as N)	7664-41-7	E298	0.005	mg/L	<0.0050	---
Anions and Nutrients (QCLot: 2263454)						
Sulfate (as SO4)	14808-79-8	E235.SO4	0.3	mg/L	<0.30	---
Anions and Nutrients (QCLot: 2263455)						
Chloride	16887-00-6	E235.Cl	0.5	mg/L	<0.50	---
Anions and Nutrients (QCLot: 2263456)						
Nitrate (as N)	14797-55-8	E235.NO3-L	0.005	mg/L	<0.0050	---
Anions and Nutrients (QCLot: 2263457)						
Nitrite (as N)	14797-65-0	E235.NO2-L	0.001	mg/L	<0.0010	---
Anions and Nutrients (QCLot: 2263458)						
Fluoride	16984-48-8	E235.F	0.02	mg/L	<0.020	---
Anions and Nutrients (QCLot: 2263459)						
Bromide	24959-67-9	E235.Br-L	0.05	mg/L	<0.050	---
Anions and Nutrients (QCLot: 2263499)						
Nitrogen, total	7727-37-9	E366	0.03	mg/L	<0.030	---
Anions and Nutrients (QCLot: 2263500)						
Phosphorus, total	7723-14-0	E372-U	0.002	mg/L	<0.0020	---
Organic / Inorganic Carbon (QCLot: 2261575)						



Sub-Matrix: **Water**

Analyte	CAS Number	Method	LOR	Unit	Result	Qualifier
Organic / Inorganic Carbon (QCLot: 2261575) - continued						
Carbon, dissolved organic [DOC]	---	E358-L	0.5	mg/L	<0.50	---
Organic / Inorganic Carbon (QCLot: 2263498)						
Carbon, total organic [TOC]	---	E355-L	0.5	mg/L	<0.50	---
Total Metals (QCLot: 2261515)						
Aluminum, total	7429-90-5	E420	0.003	mg/L	<0.0030	---
Antimony, total	7440-36-0	E420	0.0001	mg/L	<0.00010	---
Arsenic, total	7440-38-2	E420	0.0001	mg/L	<0.00010	---
Barium, total	7440-39-3	E420	0.0001	mg/L	<0.00010	---
Beryllium, total	7440-41-7	E420	0.00002	mg/L	<0.000020	---
Bismuth, total	7440-69-9	E420	0.00005	mg/L	<0.000050	---
Boron, total	7440-42-8	E420	0.01	mg/L	<0.010	---
Cadmium, total	7440-43-9	E420	0.000005	mg/L	<0.0000050	---
Calcium, total	7440-70-2	E420	0.05	mg/L	<0.050	---
Cesium, total	7440-46-2	E420	0.00001	mg/L	<0.000010	---
Chromium, total	7440-47-3	E420	0.0005	mg/L	<0.00050	---
Cobalt, total	7440-48-4	E420	0.0001	mg/L	<0.00010	---
Copper, total	7440-50-8	E420	0.0005	mg/L	<0.00050	---
Iron, total	7439-89-6	E420	0.01	mg/L	<0.010	---
Lead, total	7439-92-1	E420	0.00005	mg/L	<0.000050	---
Lithium, total	7439-93-2	E420	0.001	mg/L	<0.0010	---
Magnesium, total	7439-95-4	E420	0.005	mg/L	<0.0050	---
Manganese, total	7439-96-5	E420	0.0001	mg/L	<0.00010	---
Molybdenum, total	7439-98-7	E420	0.00005	mg/L	<0.000050	---
Nickel, total	7440-02-0	E420	0.0005	mg/L	<0.00050	---
Phosphorus, total	7723-14-0	E420	0.05	mg/L	<0.050	---
Potassium, total	7440-09-7	E420	0.05	mg/L	<0.050	---
Rubidium, total	7440-17-7	E420	0.0002	mg/L	<0.00020	---
Selenium, total	7782-49-2	E420	0.00005	mg/L	<0.000050	---
Silicon, total	7440-21-3	E420	0.1	mg/L	<0.10	---
Silver, total	7440-22-4	E420	0.00001	mg/L	<0.000010	---
Sodium, total	7440-23-5	E420	0.05	mg/L	<0.050	---
Strontium, total	7440-24-6	E420	0.0002	mg/L	<0.00020	---
Sulfur, total	7704-34-9	E420	0.5	mg/L	<0.50	---
Tellurium, total	13494-80-9	E420	0.0002	mg/L	<0.00020	---
Thallium, total	7440-28-0	E420	0.00001	mg/L	<0.000010	---



Sub-Matrix: **Water**

Analyte	CAS Number	Method	LOR	Unit	Result	Qualifier
Total Metals (QCLot: 2261515) - continued						
Thorium, total	7440-29-1	E420	0.0001	mg/L	<0.00010	----
Tin, total	7440-31-5	E420	0.0001	mg/L	<0.00010	----
Titanium, total	7440-32-6	E420	0.0003	mg/L	<0.00030	----
Tungsten, total	7440-33-7	E420	0.0001	mg/L	<0.00010	----
Uranium, total	7440-61-1	E420	0.00001	mg/L	<0.000010	----
Vanadium, total	7440-62-2	E420	0.0005	mg/L	<0.00050	----
Zinc, total	7440-66-6	E420	0.003	mg/L	<0.0030	----
Zirconium, total	7440-67-7	E420	0.0002	mg/L	<0.00020	----
Total Metals (QCLot: 2261628)						
Mercury, total	7439-97-6	E508	0.000005	mg/L	<0.0000050	----
Dissolved Metals (QCLot: 2261514)						
Aluminum, dissolved	7429-90-5	E421	0.001	mg/L	<0.0010	----
Antimony, dissolved	7440-36-0	E421	0.0001	mg/L	<0.00010	----
Arsenic, dissolved	7440-38-2	E421	0.0001	mg/L	<0.00010	----
Barium, dissolved	7440-39-3	E421	0.0001	mg/L	<0.00010	----
Beryllium, dissolved	7440-41-7	E421	0.00002	mg/L	<0.000020	----
Bismuth, dissolved	7440-69-9	E421	0.00005	mg/L	<0.000050	----
Boron, dissolved	7440-42-8	E421	0.01	mg/L	<0.010	----
Cadmium, dissolved	7440-43-9	E421	0.000005	mg/L	<0.0000050	----
Calcium, dissolved	7440-70-2	E421	0.05	mg/L	<0.050	----
Cesium, dissolved	7440-46-2	E421	0.00001	mg/L	<0.000010	----
Chromium, dissolved	7440-47-3	E421	0.0005	mg/L	<0.00050	----
Cobalt, dissolved	7440-48-4	E421	0.0001	mg/L	<0.00010	----
Copper, dissolved	7440-50-8	E421	0.0002	mg/L	<0.00020	----
Iron, dissolved	7439-89-6	E421	0.01	mg/L	<0.010	----
Lead, dissolved	7439-92-1	E421	0.00005	mg/L	<0.000050	----
Lithium, dissolved	7439-93-2	E421	0.001	mg/L	<0.0010	----
Magnesium, dissolved	7439-95-4	E421	0.005	mg/L	<0.0050	----
Manganese, dissolved	7439-96-5	E421	0.0001	mg/L	<0.00010	----
Molybdenum, dissolved	7439-98-7	E421	0.00005	mg/L	<0.000050	----
Nickel, dissolved	7440-02-0	E421	0.0005	mg/L	<0.00050	----
Phosphorus, dissolved	7723-14-0	E421	0.05	mg/L	<0.050	----
Potassium, dissolved	7440-09-7	E421	0.05	mg/L	<0.050	----
Rubidium, dissolved	7440-17-7	E421	0.0002	mg/L	<0.00020	----
Selenium, dissolved	7782-49-2	E421	0.00005	mg/L	<0.000050	----



Sub-Matrix: **Water**

Analyte	CAS Number	Method	LOR	Unit	Result	Qualifier
Dissolved Metals (QCLot: 2261514) - continued						
Silicon, dissolved	7440-21-3	E421	0.05	mg/L	<0.050	----
Silver, dissolved	7440-22-4	E421	0.00001	mg/L	<0.000010	----
Sodium, dissolved	7440-23-5	E421	0.05	mg/L	<0.050	----
Strontium, dissolved	7440-24-6	E421	0.0002	mg/L	<0.00020	----
Sulfur, dissolved	7704-34-9	E421	0.5	mg/L	<0.50	----
Tellurium, dissolved	13494-80-9	E421	0.0002	mg/L	<0.00020	----
Thallium, dissolved	7440-28-0	E421	0.00001	mg/L	<0.000010	----
Thorium, dissolved	7440-29-1	E421	0.0001	mg/L	<0.00010	----
Tin, dissolved	7440-31-5	E421	0.0001	mg/L	<0.00010	----
Titanium, dissolved	7440-32-6	E421	0.0003	mg/L	<0.00030	----
Tungsten, dissolved	7440-33-7	E421	0.0001	mg/L	<0.00010	----
Uranium, dissolved	7440-61-1	E421	0.00001	mg/L	<0.000010	----
Vanadium, dissolved	7440-62-2	E421	0.0005	mg/L	<0.00050	----
Zinc, dissolved	7440-66-6	E421	0.001	mg/L	<0.0010	----
Zirconium, dissolved	7440-67-7	E421	0.0002	mg/L	<0.00020	----
Dissolved Metals (QCLot: 2261629)						
Mercury, dissolved	7439-97-6	E509	0.000005	mg/L	<0.0000050	----
Aggregate Organics (QCLot: 2265588)						
Phenols, total (4AAP)	----	E562	0.001	mg/L	<0.0010	----
Volatile Organic Compounds (QCLot: 2263947)						
Benzene	71-43-2	E611C	0.5	µg/L	<0.50	----
Bromodichloromethane	75-27-4	E611C	0.5	µg/L	<0.50	----
Bromoform	75-25-2	E611C	0.5	µg/L	<0.50	----
Carbon tetrachloride	56-23-5	E611C	0.5	µg/L	<0.50	----
Chlorobenzene	108-90-7	E611C	0.5	µg/L	<0.50	----
Chloroethane	75-00-3	E611C	0.5	µg/L	<0.50	----
Chloroform	67-66-3	E611C	0.5	µg/L	<0.50	----
Chloromethane	74-87-3	E611C	5	µg/L	<5.0	----
Dibromochloromethane	124-48-1	E611C	0.5	µg/L	<0.50	----
Dichlorobenzene, 1,2-	95-50-1	E611C	0.5	µg/L	<0.50	----
Dichlorobenzene, 1,3-	541-73-1	E611C	0.5	µg/L	<0.50	----
Dichlorobenzene, 1,4-	106-46-7	E611C	0.5	µg/L	<0.50	----
Dichloroethane, 1,1-	75-34-3	E611C	0.5	µg/L	<0.50	----
Dichloroethane, 1,2-	107-06-2	E611C	0.5	µg/L	<0.50	----
Dichloroethylene, 1,1-	75-35-4	E611C	0.5	µg/L	<0.50	----



Sub-Matrix: **Water**

Analyte	CAS Number	Method	LOR	Unit	Result	Qualifier
Volatile Organic Compounds (QCLot: 2263947) - continued						
Dichloroethylene, cis-1,2-	156-59-2	E611C	0.5	µg/L	<0.50	----
Dichloroethylene, trans-1,2-	156-60-5	E611C	0.5	µg/L	<0.50	----
Dichloromethane	75-09-2	E611C	1	µg/L	<1.0	----
Dichloropropane, 1,2-	78-87-5	E611C	0.5	µg/L	<0.50	----
Dichloropropylene, cis-1,3-	10061-01-5	E611C	0.5	µg/L	<0.50	----
Dichloropropylene, trans-1,3-	10061-02-6	E611C	0.5	µg/L	<0.50	----
Ethylbenzene	100-41-4	E611C	0.5	µg/L	<0.50	----
Methyl-tert-butyl ether [MTBE]	1634-04-4	E611C	0.5	µg/L	<0.50	----
Styrene	100-42-5	E611C	0.5	µg/L	<0.50	----
Tetrachloroethane, 1,1,1,2-	630-20-6	E611C	0.5	µg/L	<0.50	----
Tetrachloroethane, 1,1,2,2-	79-34-5	E611C	0.2	µg/L	<0.20	----
Tetrachloroethylene	127-18-4	E611C	0.5	µg/L	<0.50	----
Toluene	108-88-3	E611C	0.4	µg/L	<0.40	----
Trichloroethane, 1,1,1-	71-55-6	E611C	0.5	µg/L	<0.50	----
Trichloroethane, 1,1,2-	79-00-5	E611C	0.5	µg/L	<0.50	----
Trichloroethylene	79-01-6	E611C	0.5	µg/L	<0.50	----
Trichlorofluoromethane	75-69-4	E611C	0.5	µg/L	<0.50	----
Vinyl chloride	75-01-4	E611C	0.4	µg/L	<0.40	----
Xylene, m+p-	179601-23-1	E611C	0.4	µg/L	<0.40	----
Xylene, o-	95-47-6	E611C	0.3	µg/L	<0.30	----
Hydrocarbons (QCLot: 2263885)						
EPH (C10-C19)	----	E601A	250	µg/L	<250	----
EPH (C19-C32)	----	E601A	250	µg/L	<250	----
Hydrocarbons (QCLot: 2263946)						
VHw (C6-C10)	----	E581.VH+F1	100	µg/L	<100	----
Polycyclic Aromatic Hydrocarbons (QCLot: 2263886)						
Acenaphthene	83-32-9	E641A	0.01	µg/L	<0.010	----
Acenaphthylene	208-96-8	E641A	0.01	µg/L	<0.010	----
Acridine	260-94-6	E641A	0.01	µg/L	<0.010	----
Anthracene	120-12-7	E641A	0.01	µg/L	<0.010	----
Benz(a)anthracene	56-55-3	E641A	0.01	µg/L	<0.010	----
Benzo(a)pyrene	50-32-8	E641A	0.005	µg/L	<0.0050	----
Benzo(b+j)fluoranthene	n/a	E641A	0.01	µg/L	<0.010	----
Benzo(g,h,i)perylene	191-24-2	E641A	0.01	µg/L	<0.010	----
Benzo(k)fluoranthene	207-08-9	E641A	0.01	µg/L	<0.010	----



Sub-Matrix: **Water**

Analyte	CAS Number	Method	LOR	Unit	Result	Qualifier
Polycyclic Aromatic Hydrocarbons (QCLot: 2263886) - continued						
Chrysene	218-01-9	E641A	0.01	µg/L	<0.010	----
Dibenz(a,h)anthracene	53-70-3	E641A	0.005	µg/L	<0.0050	----
Fluoranthene	206-44-0	E641A	0.01	µg/L	<0.010	----
Fluorene	86-73-7	E641A	0.01	µg/L	<0.010	----
Indeno(1,2,3-c,d)pyrene	193-39-5	E641A	0.01	µg/L	<0.010	----
Methylnaphthalene, 1-	90-12-0	E641A	0.01	µg/L	<0.010	----
Methylnaphthalene, 2-	91-57-6	E641A	0.01	µg/L	<0.010	----
Naphthalene	91-20-3	E641A	0.05	µg/L	<0.050	----
Phenanthrene	85-01-8	E641A	0.02	µg/L	<0.020	----
Pyrene	129-00-0	E641A	0.01	µg/L	<0.010	----
Quinoline	91-22-5	E641A	0.05	µg/L	<0.050	----
Glycols (QCLot: 2263530)						
Diethylene glycol	111-46-6	E680E	5	mg/L	<5.0	----
Ethylene glycol	107-21-1	E680E	5	mg/L	<5.0	----
Propylene glycol, 1,2-	57-55-6	E680E	5	mg/L	<5.0	----
Triethylene glycol	112-27-6	E680E	5	mg/L	<5.0	----



Laboratory Control Sample (LCS) Report

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

Sub-Matrix: Water

					Laboratory Control Sample (LCS) Report				
					Spike	Recovery (%)	Recovery Limits (%)		
Analyte	CAS Number	Method	LOR	Unit	Target Concentration	LCS	Low	High	Qualifier
Physical Tests (QCLot: 2261506)									
pH	----	E108	----	pH units	7 pH units	99.7	98.0	102	----
Physical Tests (QCLot: 2261507)									
Alkalinity, phenolphthalein (as CaCO ₃)	----	E290	1	mg/L	229 mg/L	104	75.0	125	----
Alkalinity, total (as CaCO ₃)	----	E290	1	mg/L	500 mg/L	101	85.0	115	----
Physical Tests (QCLot: 2261508)									
Conductivity	----	E100	1	µS/cm	147 µS/cm	98.4	90.0	110	----
Physical Tests (QCLot: 2261521)									
Turbidity	----	E121	0.1	NTU	200 NTU	98.5	85.0	115	----
Physical Tests (QCLot: 2261561)									
Solids, total suspended [TSS]	----	E160	3	mg/L	150 mg/L	104	85.0	115	----
Physical Tests (QCLot: 2261562)									
Solids, total dissolved [TDS]	----	E162	10	mg/L	1000 mg/L	102	85.0	115	----
Anions and Nutrients (QCLot: 2261574)									
Ammonia, total (as N)	7664-41-7	E298	0.005	mg/L	0.2 mg/L	98.1	85.0	115	----
Anions and Nutrients (QCLot: 2263454)									
Sulfate (as SO ₄)	14808-79-8	E235.SO4	0.3	mg/L	100 mg/L	101	90.0	110	----
Anions and Nutrients (QCLot: 2263455)									
Chloride	16887-00-6	E235.Cl	0.5	mg/L	100 mg/L	98.7	90.0	110	----
Anions and Nutrients (QCLot: 2263456)									
Nitrate (as N)	14797-55-8	E235.NO3-L	0.005	mg/L	2.5 mg/L	98.9	90.0	110	----
Anions and Nutrients (QCLot: 2263457)									
Nitrite (as N)	14797-65-0	E235.NO2-L	0.001	mg/L	0.5 mg/L	98.5	90.0	110	----
Anions and Nutrients (QCLot: 2263458)									
Fluoride	16984-48-8	E235.F	0.02	mg/L	1 mg/L	99.2	90.0	110	----
Anions and Nutrients (QCLot: 2263459)									
Bromide	24959-67-9	E235.Br-L	0.05	mg/L	0.5 mg/L	98.0	85.0	115	----
Anions and Nutrients (QCLot: 2263499)									
Nitrogen, total	7727-37-9	E366	0.03	mg/L	0.5 mg/L	104	75.0	125	----
Anions and Nutrients (QCLot: 2263500)									
Phosphorus, total	7723-14-0	E372-U	0.002	mg/L	0.05 mg/L	90.8	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
Organic / Inorganic Carbon (QCLot: 2261575)									
Carbon, dissolved organic [DOC]	---	E358-L	0.5	mg/L	8.57 mg/L	98.4	80.0	120	---
Organic / Inorganic Carbon (QCLot: 2263498)									
Carbon, total organic [TOC]	---	E355-L	0.5	mg/L	8.57 mg/L	102	80.0	120	---
Total Metals (QCLot: 2261515)									
Aluminum, total	7429-90-5	E420	0.003	mg/L	2 mg/L	101	80.0	120	---
Antimony, total	7440-36-0	E420	0.0001	mg/L	1 mg/L	93.2	80.0	120	---
Arsenic, total	7440-38-2	E420	0.0001	mg/L	1 mg/L	98.2	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	97.8	80.0	120	---
Bismuth, total	7440-69-9	E420	0.00005	mg/L	1 mg/L	95.7	80.0	120	---
Boron, total	7440-42-8	E420	0.01	mg/L	1 mg/L	91.4	80.0	120	---
Cadmium, total	7440-43-9	E420	0.000005	mg/L	0.1 mg/L	98.4	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	95.7	80.0	120	---
Chromium, total	7440-47-3	E420	0.0005	mg/L	0.25 mg/L	97.4	80.0	120	---
Cobalt, total	7440-48-4	E420	0.0001	mg/L	0.25 mg/L	95.8	80.0	120	---
Copper, total	7440-50-8	E420	0.0005	mg/L	0.25 mg/L	96.5	80.0	120	---
Iron, total	7439-89-6	E420	0.01	mg/L	1 mg/L	92.9	80.0	120	---
Lead, total	7439-92-1	E420	0.00005	mg/L	0.5 mg/L	99.1	80.0	120	---
Lithium, total	7439-93-2	E420	0.001	mg/L	0.25 mg/L	93.6	80.0	120	---
Magnesium, total	7439-95-4	E420	0.005	mg/L	50 mg/L	98.8	80.0	120	---
Manganese, total	7439-96-5	E420	0.0001	mg/L	0.25 mg/L	96.2	80.0	120	---
Molybdenum, total	7439-98-7	E420	0.00005	mg/L	0.25 mg/L	94.1	80.0	120	---
Nickel, total	7440-02-0	E420	0.0005	mg/L	0.5 mg/L	96.6	80.0	120	---
Phosphorus, total	7723-14-0	E420	0.05	mg/L	10 mg/L	94.0	80.0	120	---
Potassium, total	7440-09-7	E420	0.05	mg/L	50 mg/L	96.4	80.0	120	---
Rubidium, total	7440-17-7	E420	0.0002	mg/L	0.1 mg/L	102	80.0	120	---
Selenium, total	7782-49-2	E420	0.00005	mg/L	1 mg/L	98.4	80.0	120	---
Silicon, total	7440-21-3	E420	0.1	mg/L	10 mg/L	101	80.0	120	---
Silver, total	7440-22-4	E420	0.00001	mg/L	0.1 mg/L	87.4	80.0	120	---
Sodium, total	7440-23-5	E420	0.05	mg/L	50 mg/L	100	80.0	120	---
Strontium, total	7440-24-6	E420	0.0002	mg/L	0.25 mg/L	95.9	80.0	120	---
Sulfur, total	7704-34-9	E420	0.5	mg/L	50 mg/L	98.2	80.0	120	---
Tellurium, total	13494-80-9	E420	0.0002	mg/L	0.1 mg/L	95.3	80.0	120	---
Thallium, total	7440-28-0	E420	0.00001	mg/L	1 mg/L	96.6	80.0	120	---



Sub-Matrix: **Water**

					Laboratory Control Sample (LCS) Report				
					Spike	Recovery (%)	Recovery Limits (%)		
Analyte	CAS Number	Method	LOR	Unit	Target Concentration	LCS	Low	High	Qualifier
Total Metals (QCLot: 2261515) - continued									
Thorium, total	7440-29-1	E420	0.0001	mg/L	0.1 mg/L	99.3	80.0	120	----
Tin, total	7440-31-5	E420	0.0001	mg/L	0.5 mg/L	93.6	80.0	120	----
Titanium, total	7440-32-6	E420	0.0003	mg/L	0.25 mg/L	95.1	80.0	120	----
Tungsten, total	7440-33-7	E420	0.0001	mg/L	0.1 mg/L	96.7	80.0	120	----
Uranium, total	7440-61-1	E420	0.00001	mg/L	0.005 mg/L	105	80.0	120	----
Vanadium, total	7440-62-2	E420	0.0005	mg/L	0.5 mg/L	95.7	80.0	120	----
Zinc, total	7440-66-6	E420	0.003	mg/L	0.5 mg/L	94.2	80.0	120	----
Zirconium, total	7440-67-7	E420	0.0002	mg/L	0.1 mg/L	92.7	80.0	120	----
Total Metals (QCLot: 2261628)									
Mercury, total	7439-97-6	E508	0.000005	mg/L	0 mg/L	94.7	80.0	120	----
Dissolved Metals (QCLot: 2261514)									
Aluminum, dissolved	7429-90-5	E421	0.001	mg/L	2 mg/L	111	80.0	120	----
Antimony, dissolved	7440-36-0	E421	0.0001	mg/L	1 mg/L	101	80.0	120	----
Arsenic, dissolved	7440-38-2	E421	0.0001	mg/L	1 mg/L	107	80.0	120	----
Barium, dissolved	7440-39-3	E421	0.0001	mg/L	0.25 mg/L	109	80.0	120	----
Beryllium, dissolved	7440-41-7	E421	0.00002	mg/L	0.1 mg/L	107	80.0	120	----
Bismuth, dissolved	7440-69-9	E421	0.00005	mg/L	1 mg/L	110	80.0	120	----
Boron, dissolved	7440-42-8	E421	0.01	mg/L	1 mg/L	98.0	80.0	120	----
Cadmium, dissolved	7440-43-9	E421	0.000005	mg/L	0.1 mg/L	106	80.0	120	----
Calcium, dissolved	7440-70-2	E421	0.05	mg/L	50 mg/L	108	80.0	120	----
Cesium, dissolved	7440-46-2	E421	0.00001	mg/L	0.05 mg/L	104	80.0	120	----
Chromium, dissolved	7440-47-3	E421	0.0005	mg/L	0.25 mg/L	108	80.0	120	----
Cobalt, dissolved	7440-48-4	E421	0.0001	mg/L	0.25 mg/L	104	80.0	120	----
Copper, dissolved	7440-50-8	E421	0.0002	mg/L	0.25 mg/L	104	80.0	120	----
Iron, dissolved	7439-89-6	E421	0.01	mg/L	1 mg/L	102	80.0	120	----
Lead, dissolved	7439-92-1	E421	0.00005	mg/L	0.5 mg/L	110	80.0	120	----
Lithium, dissolved	7439-93-2	E421	0.001	mg/L	0.25 mg/L	103	80.0	120	----
Magnesium, dissolved	7439-95-4	E421	0.005	mg/L	50 mg/L	108	80.0	120	----
Manganese, dissolved	7439-96-5	E421	0.0001	mg/L	0.25 mg/L	107	80.0	120	----
Molybdenum, dissolved	7439-98-7	E421	0.00005	mg/L	0.25 mg/L	104	80.0	120	----
Nickel, dissolved	7440-02-0	E421	0.0005	mg/L	0.5 mg/L	106	80.0	120	----
Phosphorus, dissolved	7723-14-0	E421	0.05	mg/L	10 mg/L	# 124	80.0	120	MES
Potassium, dissolved	7440-09-7	E421	0.05	mg/L	50 mg/L	106	80.0	120	----
Rubidium, dissolved	7440-17-7	E421	0.0002	mg/L	0.1 mg/L	110	80.0	120	----
Selenium, dissolved	7782-49-2	E421	0.00005	mg/L	1 mg/L	104	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
Dissolved Metals (QCLot: 2261514) - continued									
Silicon, dissolved	7440-21-3	E421	0.05	mg/L	10 mg/L	114	80.0	120	----
Silver, dissolved	7440-22-4	E421	0.00001	mg/L	0.1 mg/L	95.4	80.0	120	----
Sodium, dissolved	7440-23-5	E421	0.05	mg/L	50 mg/L	111	80.0	120	----
Strontium, dissolved	7440-24-6	E421	0.0002	mg/L	0.25 mg/L	108	80.0	120	----
Sulfur, dissolved	7704-34-9	E421	0.5	mg/L	50 mg/L	95.0	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	110	80.0	120	----
Thorium, dissolved	7440-29-1	E421	0.0001	mg/L	0.1 mg/L	112	80.0	120	----
Tin, dissolved	7440-31-5	E421	0.0001	mg/L	0.5 mg/L	101	80.0	120	----
Titanium, dissolved	7440-32-6	E421	0.0003	mg/L	0.25 mg/L	106	80.0	120	----
Tungsten, dissolved	7440-33-7	E421	0.0001	mg/L	0.1 mg/L	108	80.0	120	----
Uranium, dissolved	7440-61-1	E421	0.00001	mg/L	0.005 mg/L	118	80.0	120	----
Vanadium, dissolved	7440-62-2	E421	0.0005	mg/L	0.5 mg/L	107	80.0	120	----
Zinc, dissolved	7440-66-6	E421	0.001	mg/L	0.5 mg/L	105	80.0	120	----
Zirconium, dissolved	7440-67-7	E421	0.0002	mg/L	0.1 mg/L	101	80.0	120	----
Mercury, dissolved	7439-97-6	E509	0.000005	mg/L	0 mg/L	92.2	80.0	120	----
Aggregate Organics (QCLot: 2265588)									
Phenols, total (4AAP)	----	E562	0.001	mg/L	0.02 mg/L	106	85.0	115	----
Volatile Organic Compounds (QCLot: 2263947)									
Benzene	71-43-2	E611C	0.5	µg/L	100 µg/L	121	70.0	130	----
Bromodichloromethane	75-27-4	E611C	0.5	µg/L	100 µg/L	113	70.0	130	----
Bromoform	75-25-2	E611C	0.5	µg/L	100 µg/L	107	70.0	130	----
Carbon tetrachloride	56-23-5	E611C	0.5	µg/L	100 µg/L	96.4	70.0	130	----
Chlorobenzene	108-90-7	E611C	0.5	µg/L	100 µg/L	120	70.0	130	----
Chloroethane	75-00-3	E611C	0.5	µg/L	100 µg/L	127	60.0	140	----
Chloroform	67-66-3	E611C	0.5	µg/L	100 µg/L	121	70.0	130	----
Chloromethane	74-87-3	E611C	5	µg/L	100 µg/L	132	60.0	140	----
Dibromochloromethane	124-48-1	E611C	0.5	µg/L	100 µg/L	125	70.0	130	----
Dichlorobenzene, 1,2-	95-50-1	E611C	0.5	µg/L	100 µg/L	120	70.0	130	----
Dichlorobenzene, 1,3-	541-73-1	E611C	0.5	µg/L	100 µg/L	128	70.0	130	----
Dichlorobenzene, 1,4-	106-46-7	E611C	0.5	µg/L	100 µg/L	127	70.0	130	----
Dichloroethane, 1,1-	75-34-3	E611C	0.5	µg/L	100 µg/L	123	70.0	130	----
Dichloroethane, 1,2-	107-06-2	E611C	0.5	µg/L	100 µg/L	110	70.0	130	----
Dichloroethylene, 1,1-	75-35-4	E611C	0.5	µg/L	100 µg/L	122	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
Volatile Organic Compounds (QCLot: 2263947) - continued									
Dichloroethylene, cis-1,2-	156-59-2	E611C	0.5	µg/L	100 µg/L	116	70.0	130	----
Dichloroethylene, trans-1,2-	156-60-5	E611C	0.5	µg/L	100 µg/L	124	70.0	130	----
Dichloromethane	75-09-2	E611C	1	µg/L	100 µg/L	118	70.0	130	----
Dichloropropane, 1,2-	78-87-5	E611C	0.5	µg/L	100 µg/L	110	70.0	130	----
Dichloropropylene, cis-1,3-	10061-01-5	E611C	0.5	µg/L	100 µg/L	99.5	70.0	130	----
Dichloropropylene, trans-1,3-	10061-02-6	E611C	0.5	µg/L	100 µg/L	94.5	70.0	130	----
Ethylbenzene	100-41-4	E611C	0.5	µg/L	100 µg/L	125	70.0	130	----
Methyl-tert-butyl ether [MTBE]	1634-04-4	E611C	0.5	µg/L	100 µg/L	118	70.0	130	----
Styrene	100-42-5	E611C	0.5	µg/L	100 µg/L	116	70.0	130	----
Tetrachloroethane, 1,1,1,2-	630-20-6	E611C	0.5	µg/L	100 µg/L	125	70.0	130	----
Tetrachloroethane, 1,1,2,2-	79-34-5	E611C	0.2	µg/L	100 µg/L	113	70.0	130	----
Tetrachloroethylene	127-18-4	E611C	0.5	µg/L	100 µg/L	93.4	70.0	130	----
Toluene	108-88-3	E611C	0.4	µg/L	100 µg/L	128	70.0	130	----
Trichloroethane, 1,1,1-	71-55-6	E611C	0.5	µg/L	100 µg/L	116	70.0	130	----
Trichloroethane, 1,1,2-	79-00-5	E611C	0.5	µg/L	100 µg/L	111	70.0	130	----
Trichloroethylene	79-01-6	E611C	0.5	µg/L	100 µg/L	97.8	70.0	130	----
Trichlorofluoromethane	75-69-4	E611C	0.5	µg/L	100 µg/L	106	60.0	140	----
Vinyl chloride	75-01-4	E611C	0.4	µg/L	100 µg/L	130	60.0	140	----
Xylene, m+p-	179601-23-1	E611C	0.4	µg/L	200 µg/L	108	70.0	130	----
Xylene, o-	95-47-6	E611C	0.3	µg/L	100 µg/L	122	70.0	130	----
Hydrocarbons (QCLot: 2263885)									
EPH (C10-C19)	---	E601A	250	µg/L	6490 µg/L	100.0	70.0	130	----
EPH (C19-C32)	---	E601A	250	µg/L	3360 µg/L	99.9	70.0	130	----
Hydrocarbons (QCLot: 2263946)									
VHw (C6-C10)	---	E581.VH+F1	100	µg/L	6310 µg/L	85.5	70.0	130	----
Polycyclic Aromatic Hydrocarbons (QCLot: 2263886)									
Acenaphthene	83-32-9	E641A	0.01	µg/L	0.5 µg/L	103	60.0	130	----
Acenaphthylene	208-96-8	E641A	0.01	µg/L	0.5 µg/L	103	60.0	130	----
Acridine	260-94-6	E641A	0.01	µg/L	0.5 µg/L	108	60.0	130	----
Anthracene	120-12-7	E641A	0.01	µg/L	0.5 µg/L	101	60.0	130	----
Benz(a)anthracene	56-55-3	E641A	0.01	µg/L	0.5 µg/L	94.5	60.0	130	----
Benzo(a)pyrene	50-32-8	E641A	0.005	µg/L	0.5 µg/L	93.8	60.0	130	----
Benzo(b+j)fluoranthene	n/a	E641A	0.01	µg/L	0.5 µg/L	103	60.0	130	----
Benzo(g,h,i)perylene	191-24-2	E641A	0.01	µg/L	0.5 µg/L	108	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
Polycyclic Aromatic Hydrocarbons (QCLot: 2263886) - continued									
Benzo(k)fluoranthene	207-08-9	E641A	0.01	µg/L	0.5 µg/L	109	60.0	130	----
Chrysene	218-01-9	E641A	0.01	µg/L	0.5 µg/L	104	60.0	130	----
Dibenz(a,h)anthracene	53-70-3	E641A	0.005	µg/L	0.5 µg/L	105	60.0	130	----
Fluoranthene	206-44-0	E641A	0.01	µg/L	0.5 µg/L	107	60.0	130	----
Fluorene	86-73-7	E641A	0.01	µg/L	0.5 µg/L	100	60.0	130	----
Indeno(1,2,3-c,d)pyrene	193-39-5	E641A	0.01	µg/L	0.5 µg/L	100.0	60.0	130	----
Methylnaphthalene, 1-	90-12-0	E641A	0.01	µg/L	0.5 µg/L	98.4	60.0	130	----
Methylnaphthalene, 2-	91-57-6	E641A	0.01	µg/L	0.5 µg/L	111	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	104	60.0	130	----
Quinoline	91-22-5	E641A	0.05	µg/L	0.5 µg/L	108	60.0	130	----
Glycols (QCLot: 2263530)									
Diethylene glycol	111-46-6	E680E	5	mg/L	25 mg/L	80.4	70.0	130	----
Ethylene glycol	107-21-1	E680E	5	mg/L	25 mg/L	81.2	70.0	130	----
Propylene glycol, 1,2-	57-55-6	E680E	5	mg/L	25 mg/L	81.9	70.0	130	----
Triethylene glycol	112-27-6	E680E	5	mg/L	25 mg/L	80.7	70.0	130	----

Qualifiers

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



Matrix Spike (MS) Report

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

Sub-Matrix: **Water**

					Matrix Spike (MS) Report					
					Spike		Recovery (%)	Recovery Limits (%)		
Laboratory sample ID	Client sample ID	Analyte	CAS Number	Method	Concentration	Target	MS	Low	High	Qualifier
Anions and Nutrients (QCLot: 2263454)										
VA25C6459-001	Anonymous	Sulfate (as SO4)	14808-79-8	E235.SO4	505 mg/L	500 mg/L	101	75.0	125	----
Anions and Nutrients (QCLot: 2263455)										
VA25C6459-001	Anonymous	Chloride	16887-00-6	E235.Cl	499 mg/L	500 mg/L	99.8	75.0	125	----
Anions and Nutrients (QCLot: 2263456)										
VA25C6459-001	Anonymous	Nitrate (as N)	14797-55-8	E235.NO3-L	12.4 mg/L	12.5 mg/L	98.8	75.0	125	----
Anions and Nutrients (QCLot: 2263457)										
VA25C6459-001	Anonymous	Nitrite (as N)	14797-65-0	E235.NO2-L	2.45 mg/L	2.5 mg/L	98.1	75.0	125	----
Anions and Nutrients (QCLot: 2263458)										
VA25C6459-001	Anonymous	Fluoride	16984-48-8	E235.F	5.10 mg/L	5 mg/L	102	75.0	125	----
Anions and Nutrients (QCLot: 2263459)										
VA25C6459-001	Anonymous	Bromide	24959-67-9	E235.Br-L	2.39 mg/L	2.5 mg/L	95.7	75.0	125	----
Anions and Nutrients (QCLot: 2263499)										
VA25C6407-001	WTP	Nitrogen, total	7727-37-9	E366	1.96 mg/L	2 mg/L	97.9	70.0	130	----
Anions and Nutrients (QCLot: 2263500)										
VA25C6407-001	WTP	Phosphorus, total	7723-14-0	E372-U	ND mg/L	----	ND	70.0	130	----
Organic / Inorganic Carbon (QCLot: 2261575)										
VA25C6414-002	Anonymous	Carbon, dissolved organic [DOC]	----	E358-L	ND mg/L	----	ND	70.0	130	----
Organic / Inorganic Carbon (QCLot: 2263498)										
VA25C6407-001	WTP	Carbon, total organic [TOC]	----	E355-L	5.32 mg/L	5 mg/L	106	70.0	130	----
Total Metals (QCLot: 2261628)										
VA25C5663-002	Anonymous	Mercury, total	7439-97-6	E508	0.0000932 mg/L	0 mg/L	93.2	70.0	130	----
Dissolved Metals (QCLot: 2261629)										
VA25C5075-001	Anonymous	Mercury, dissolved	7439-97-6	E509	0.000950 mg/L	0.001 mg/L	95.0	70.0	130	----
Aggregate Organics (QCLot: 2265588)										
SK2506086-001	Anonymous	Phenols, total (4AAP)	----	E562	0.0208 mg/L	0.02 mg/L	104	75.0	125	----
Volatile Organic Compounds (QCLot: 2263947)										
VA25C6477-001	Anonymous	Benzene	71-43-2	E611C	110 µg/L	100 µg/L	110	60.0	140	----
		Bromodichloromethane	75-27-4	E611C	109 µg/L	100 µg/L	109	60.0	140	----
		Bromoform	75-25-2	E611C	125 µg/L	100 µg/L	125	60.0	140	----
		Carbon tetrachloride	56-23-5	E611C	114 µg/L	100 µg/L	114	60.0	140	----
		Chlorobenzene	108-90-7	E611C	108 µg/L	100 µg/L	108	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
Volatile Organic Compounds (QCLot: 2263947) - continued										
VA25C6477-001	Anonymous	Chloroethane	75-00-3	E611C	109 µg/L	100 µg/L	109	50.0	150	----
		Chloroform	67-66-3	E611C	111 µg/L	100 µg/L	111	60.0	140	----
		Chloromethane	74-87-3	E611C	109 µg/L	100 µg/L	109	50.0	150	----
		Dibromochloromethane	124-48-1	E611C	119 µg/L	100 µg/L	119	60.0	140	----
		Dichlorobenzene, 1,2-	95-50-1	E611C	109 µg/L	100 µg/L	109	60.0	140	----
		Dichlorobenzene, 1,3-	541-73-1	E611C	112 µg/L	100 µg/L	112	60.0	140	----
		Dichlorobenzene, 1,4-	106-46-7	E611C	112 µg/L	100 µg/L	112	60.0	140	----
		Dichloroethane, 1,1-	75-34-3	E611C	112 µg/L	100 µg/L	112	60.0	140	----
		Dichloroethane, 1,2-	107-06-2	E611C	107 µg/L	100 µg/L	107	60.0	140	----
		Dichloroethylene, 1,1-	75-35-4	E611C	106 µg/L	100 µg/L	106	60.0	140	----
		Dichloroethylene, cis-1,2-	156-59-2	E611C	107 µg/L	100 µg/L	107	60.0	140	----
		Dichloroethylene, trans-1,2-	156-60-5	E611C	110 µg/L	100 µg/L	110	60.0	140	----
		Dichloromethane	75-09-2	E611C	110 µg/L	100 µg/L	110	60.0	140	----
		Dichloropropane, 1,2-	78-87-5	E611C	105 µg/L	100 µg/L	105	60.0	140	----
		Dichloropropylene, cis-1,3-	10061-01-5	E611C	95.1 µg/L	100 µg/L	95.1	60.0	140	----
		Dichloropropylene, trans-1,3-	10061-02-6	E611C	86.0 µg/L	100 µg/L	86.0	60.0	140	----
		Ethylbenzene	100-41-4	E611C	108 µg/L	100 µg/L	108	60.0	140	----
		Methyl-tert-butyl ether [MTBE]	1634-04-4	E611C	108 µg/L	100 µg/L	108	60.0	140	----
		Styrene	100-42-5	E611C	106 µg/L	100 µg/L	106	60.0	140	----
		Tetrachloroethane, 1,1,1,2-	630-20-6	E611C	114 µg/L	100 µg/L	114	60.0	140	----
		Tetrachloroethane, 1,1,2,2-	79-34-5	E611C	111 µg/L	100 µg/L	111	60.0	140	----
		Tetrachloroethylene	127-18-4	E611C	126 µg/L	100 µg/L	126	60.0	140	----
		Toluene	108-88-3	E611C	109 µg/L	100 µg/L	109	60.0	140	----
		Trichloroethane, 1,1,1-	71-55-6	E611C	102 µg/L	100 µg/L	102	60.0	140	----
		Trichloroethane, 1,1,2-	79-00-5	E611C	106 µg/L	100 µg/L	106	60.0	140	----
		Trichloroethylene	79-01-6	E611C	120 µg/L	100 µg/L	120	60.0	140	----
		Trichlorofluoromethane	75-69-4	E611C	124 µg/L	100 µg/L	124	50.0	150	----
		Vinyl chloride	75-01-4	E611C	107 µg/L	100 µg/L	107	50.0	150	----
		Xylene, m+p-	179601-23-1	E611C	228 µg/L	200 µg/L	114	60.0	140	----
		Xylene, o-	95-47-6	E611C	108 µg/L	100 µg/L	108	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	
Physical Tests (QCLot: 2262196)										
QC-2262196-001	RM	Oxidation-reduction potential [ORP]	----	E125	220 mV	101	95.0	105	----	

QUALITY CONTROL INTERPRETIVE REPORT

<p>Work Order : VA25C6407</p> <p>Amendment : 1</p> <p>Client : Frontier-Kemper Michels Joint Venture</p> <p>Contact : Sara Derakhshi</p> <p>Address : 404-850 Harbourside Drive North Vancouver BC Canada V7P 0A3</p> <p>Telephone : ----</p> <p>Project : EGP 150</p> <p>PO : ----</p> <p>C-O-C number : 23-1085342</p> <p>Sampler : ----</p> <p>Site : BCR</p> <p>Quote number : WTP Discharge</p> <p>No. of samples received : 1</p> <p>No. of samples analysed : 1</p>	<p>Page : 1 of 15</p> <p>Laboratory : ALS Environmental - Vancouver</p> <p>Account Manager : Kevin Bhikadia</p> <p>Address : 8081 Lougheed Highway Burnaby, British Columbia Canada V5A 1W9</p> <p>Telephone : +1 604 253 4188</p> <p>Date Samples Received : 06-Oct-2025 19:00</p> <p>Issue Date : 09-Oct-2025 11:09</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.

Workorder Comments

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

Summary of Outliers

Outliers : Quality Control Samples

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

Outliers: Reference Material (RM) Samples

- No Reference Material (RM) Sample outliers occur.

Outliers : Analysis Holding Time Compliance (Breaches)

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

Outliers : Frequency of Quality Control Samples

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



Outliers : Quality Control Samples

Duplicates, Method Blanks, Laboratory Control Samples and Matrix Spikes

Matrix: **Water**

Analyte Group	Laboratory sample ID	Client/Ref Sample ID	Analyte	CAS Number	Method	Result	Limits	Comment
Laboratory Control Sample (LCS) Recoveries								
Dissolved Metals	QC-2261514-002	----	Phosphorus, dissolved	7723-14-0	E421	124 % ^{MES}	80.0-120%	Recovery greater than upper control limit

Result Qualifiers

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



Analysis Holding Time Compliance

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

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

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

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

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

Analyte Group : Analytical Method Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis				
			Preparation Date	Holding Times		Eval	Analysis Date	Holding Times		Eval	
				Rec	Actual			Rec	Actual		
Aggregate Organics : Phenols (4AAP) in Water by Colorimetry											
Amber glass total (sulfuric acid) WTP	E562	06-Oct-2025	08-Oct-2025	28 days	2 days	✔	08-Oct-2025	28 days	2 days	✔	
Anions and Nutrients : Ammonia by Fluorescence											
Amber glass total (sulfuric acid) WTP	E298	06-Oct-2025	06-Oct-2025	28 days	0 days	✔	07-Oct-2025	28 days	0 days	✔	
Anions and Nutrients : Bromide in Water by IC (Low Level)											
HDPE WTP	E235.Br-L	06-Oct-2025	07-Oct-2025	28 days	1 days	✔	07-Oct-2025	28 days	1 days	✔	
Anions and Nutrients : Chloride in Water by IC											
HDPE WTP	E235.Cl	06-Oct-2025	07-Oct-2025	28 days	1 days	✔	07-Oct-2025	28 days	1 days	✔	
Anions and Nutrients : Fluoride in Water by IC											
HDPE WTP	E235.F	06-Oct-2025	07-Oct-2025	28 days	1 days	✔	07-Oct-2025	28 days	1 days	✔	
Anions and Nutrients : Nitrate in Water by IC (Low Level)											
HDPE WTP	E235.NO3-L	06-Oct-2025	07-Oct-2025	3 days	1 days	✔	07-Oct-2025	3 days	1 days	✔	
Anions and Nutrients : Nitrite in Water by IC (Low Level)											
HDPE WTP	E235.NO2-L	06-Oct-2025	07-Oct-2025	3 days	1 days	✔	07-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		
Anions and Nutrients : Sulfate in Water by IC											
HDPE WTP	E235.SO4	06-Oct-2025	07-Oct-2025	28 days	1 days	✔	07-Oct-2025	28 days	1 days	✔	
Anions and Nutrients : Total Nitrogen by Colourimetry											
Amber glass total (sulfuric acid) WTP	E366	06-Oct-2025	07-Oct-2025	28 days	1 days	✔	08-Oct-2025	28 days	1 days	✔	
Anions and Nutrients : Total Phosphorus by Colourimetry (0.002 mg/L)											
Amber glass total (sulfuric acid) WTP	E372-U	06-Oct-2025	07-Oct-2025	28 days	1 days	✔	08-Oct-2025	28 days	1 days	✔	
Dissolved Metals : Dissolved Mercury in Water by CVAAS											
Glass vial dissolved (hydrochloric acid) WTP	E509	06-Oct-2025	07-Oct-2025	28 days	0 days	✔	07-Oct-2025	28 days	0 days	✔	
Dissolved Metals : Dissolved Metals in Water by CRC ICPMS											
HDPE dissolved (nitric acid) WTP	E421	06-Oct-2025	06-Oct-2025	180 days	0 days	✔	07-Oct-2025	180 days	0 days	✔	
Field Tests : Field pH,EC,Salinity, TDS, Cl2,CIO2,ORP,DO, Turbidity,T,T-P,o-PO4,NH3,Chloramine											
Glass vial dissolved (hydrochloric acid) WTP	EF001	06-Oct-2025	----	----	----		07-Oct-2025	----	----		
Glycols : Glycols (4 analytes) by GC-FID											
Glass vial (sodium bisulfate) WTP	E680E	06-Oct-2025	07-Oct-2025	14 days	1 days	✔	08-Oct-2025	40 days	1 days	✔	
Hydrocarbons : BC PHCs - EPH by GC-FID											
Amber glass/Teflon lined cap (sodium bisulfate) WTP	E601A	06-Oct-2025	07-Oct-2025	14 days	1 days	✔	08-Oct-2025	40 days	0 days	✔	
Hydrocarbons : VH and F1 by Headspace GC-FID											
Glass vial (sodium bisulfate) WTP	E581.VH+F1	06-Oct-2025	07-Oct-2025	14 days	1 days	✔	08-Oct-2025	14 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		
Organic / Inorganic Carbon : Dissolved Organic Carbon by Combustion (Low Level)											
Amber glass - dissolved (unpreserved) WTP	E358-L	06-Oct-2025	06-Oct-2025	3 days	0 days	✓	07-Oct-2025	28 days	0 days	✓	
Organic / Inorganic Carbon : Total Organic Carbon (Non-Purgeable) by Combustion (Low Level)											
Amber glass total (sulfuric acid) WTP	E355-L	06-Oct-2025	07-Oct-2025	28 days	1 days	✓	07-Oct-2025	28 days	1 days	✓	
Physical Tests : Alkalinity Species by Titration											
HDPE WTP	E290	06-Oct-2025	06-Oct-2025	14 days	0 days	✓	06-Oct-2025	14 days	0 days	✓	
Physical Tests : Conductivity in Water											
HDPE WTP	E100	06-Oct-2025	06-Oct-2025	28 days	0 days	✓	06-Oct-2025	28 days	0 days	✓	
Physical Tests : ORP by Electrode											
HDPE WTP	E125	06-Oct-2025	----	----	----		07-Oct-2025	0.25 hrs	16 hrs	* EHTR-FM	
Physical Tests : pH by Meter											
HDPE WTP	E108	06-Oct-2025	06-Oct-2025	0.25 hrs	3 hrs	* EHTR-FM	06-Oct-2025	0.25 hrs	3 hrs	* EHTR-FM	
Physical Tests : TDS by Gravimetry											
HDPE WTP	E162	06-Oct-2025	----	----	----		06-Oct-2025	7 days	0 days	✓	
Physical Tests : TSS by Gravimetry											
HDPE WTP	E160	06-Oct-2025	----	----	----		06-Oct-2025	7 days	0 days	✓	
Physical Tests : Turbidity by Nephelometry											
HDPE WTP	E121	06-Oct-2025	----	----	----		06-Oct-2025	3 days	0 days	✓	



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

Analyte Group : Analytical Method Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times		Eval	Analysis Date	Holding Times		Eval
				Rec	Actual			Rec	Actual	
Polycyclic Aromatic Hydrocarbons : PAHs in Water by Hexane LVI GC-MS										
Amber glass/Teflon lined cap (sodium bisulfate) WTP	E641A	06-Oct-2025	07-Oct-2025	14 days	1 days	✓	08-Oct-2025	40 days	0 days	✓
Total Metals : Total Mercury in Water by CVAAS										
Glass vial total (hydrochloric acid) WTP	E508	06-Oct-2025	07-Oct-2025	28 days	0 days	✓	07-Oct-2025	28 days	0 days	✓
Total Metals : Total Metals in Water by CRC ICPMS										
HDPE total (nitric acid) WTP	E420	06-Oct-2025	06-Oct-2025	180 days	0 days	✓	07-Oct-2025	180 days	0 days	✓
Volatile Organic Compounds : VOCs (BC List) by Headspace GC-MS										
Glass vial (sodium bisulfate) WTP	E611C	06-Oct-2025	07-Oct-2025	14 days	1 days	✓	08-Oct-2025	14 days	1 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 (%)		
			QC	Regular	Actual	Expected	Evaluation
Analytical Methods							
Laboratory Duplicates (DUP)							
Conductivity in Water	E100	2261508	1	1	100.0	5.0	✔
pH by Meter	E108	2261506	1	1	100.0	5.0	✔
Turbidity by Nephelometry	E121	2261521	1	18	5.5	5.0	✔
ORP by Electrode	E125	2262196	1	12	8.3	5.0	✔
TSS by Gravimetry	E160	2261561	1	2	50.0	5.0	✔
TDS by Gravimetry	E162	2261562	1	2	50.0	5.0	✔
Bromide in Water by IC (Low Level)	E235.Br-L	2263459	1	7	14.2	5.0	✔
Chloride in Water by IC	E235.Cl	2263455	1	8	12.5	5.0	✔
Fluoride in Water by IC	E235.F	2263458	1	8	12.5	5.0	✔
Nitrite in Water by IC (Low Level)	E235.NO2-L	2263457	1	8	12.5	5.0	✔
Nitrate in Water by IC (Low Level)	E235.NO3-L	2263456	1	8	12.5	5.0	✔
Sulfate in Water by IC	E235.SO4	2263454	1	8	12.5	5.0	✔
Alkalinity Species by Titration	E290	2261507	0	1	0.0	5.0	✖
Ammonia by Fluorescence	E298	2261574	1	1	100.0	5.0	✔
Total Organic Carbon (Non-Purgeable) by Combustion (Low Level)	E355-L	2263498	1	2	50.0	5.0	✔
Dissolved Organic Carbon by Combustion (Low Level)	E358-L	2261575	1	3	33.3	5.0	✔
Total Nitrogen by Colourimetry	E366	2263499	1	2	50.0	5.0	✔
Total Phosphorus by Colourimetry (0.002 mg/L)	E372-U	2263500	1	2	50.0	5.0	✔
Total Metals in Water by CRC ICPMS	E420	2261515	1	1	100.0	5.0	✔
Dissolved Metals in Water by CRC ICPMS	E421	2261514	1	1	100.0	5.0	✔
Total Mercury in Water by CVAAS	E508	2261628	1	18	5.5	5.0	✔
Dissolved Mercury in Water by CVAAS	E509	2261629	1	3	33.3	5.0	✔
Phenols (4AAP) in Water by Colorimetry	E562	2265588	1	20	5.0	5.0	✔
VH and F1 by Headspace GC-FID	E581.VH+F1	2263946	1	1	100.0	5.0	✔
VOCs (BC List) by Headspace GC-MS	E611C	2263947	1	3	33.3	5.0	✔
Glycols (4 analytes) by GC-FID	E680E	2263530	1	1	100.0	5.0	✔
Laboratory Control Samples (LCS)							
Conductivity in Water	E100	2261508	1	1	100.0	5.0	✔
pH by Meter	E108	2261506	1	1	100.0	5.0	✔
Turbidity by Nephelometry	E121	2261521	1	18	5.5	5.0	✔
ORP by Electrode	E125	2262196	1	12	8.3	5.0	✔
TSS by Gravimetry	E160	2261561	1	2	50.0	5.0	✔
TDS by Gravimetry	E162	2261562	1	2	50.0	5.0	✔
Bromide in Water by IC (Low Level)	E235.Br-L	2263459	1	7	14.2	5.0	✔
Chloride in Water by IC	E235.Cl	2263455	1	8	12.5	5.0	✔
Fluoride in Water by IC	E235.F	2263458	1	8	12.5	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
Analytical Methods							
Laboratory Control Samples (LCS) - Continued							
Nitrite in Water by IC (Low Level)	E235.NO2-L	2263457	1	8	12.5	5.0	✔
Nitrate in Water by IC (Low Level)	E235.NO3-L	2263456	1	8	12.5	5.0	✔
Sulfate in Water by IC	E235.SO4	2263454	1	8	12.5	5.0	✔
Alkalinity Species by Titration	E290	2261507	1	1	100.0	5.0	✔
Ammonia by Fluorescence	E298	2261574	1	1	100.0	5.0	✔
Total Organic Carbon (Non-Purgeable) by Combustion (Low Level)	E355-L	2263498	1	2	50.0	5.0	✔
Dissolved Organic Carbon by Combustion (Low Level)	E358-L	2261575	1	3	33.3	5.0	✔
Total Nitrogen by Colourimetry	E366	2263499	1	2	50.0	5.0	✔
Total Phosphorus by Colourimetry (0.002 mg/L)	E372-U	2263500	1	2	50.0	5.0	✔
Total Metals in Water by CRC ICPMS	E420	2261515	1	1	100.0	5.0	✔
Dissolved Metals in Water by CRC ICPMS	E421	2261514	1	1	100.0	5.0	✔
Total Mercury in Water by CVAAS	E508	2261628	1	18	5.5	5.0	✔
Dissolved Mercury in Water by CVAAS	E509	2261629	1	3	33.3	5.0	✔
Phenols (4AAP) in Water by Colorimetry	E562	2265588	1	20	5.0	5.0	✔
VH and F1 by Headspace GC-FID	E581.VH+F1	2263946	1	1	100.0	5.0	✔
BC PHCs - EPH by GC-FID	E601A	2263885	1	2	50.0	5.0	✔
VOCs (BC List) by Headspace GC-MS	E611C	2263947	1	3	33.3	5.0	✔
PAHs in Water by Hexane LVI GC-MS	E641A	2263886	1	2	50.0	5.0	✔
Glycols (4 analytes) by GC-FID	E680E	2263530	1	1	100.0	5.0	✔
Method Blanks (MB)							
Conductivity in Water	E100	2261508	1	1	100.0	5.0	✔
Turbidity by Nephelometry	E121	2261521	1	18	5.5	5.0	✔
TSS by Gravimetry	E160	2261561	1	2	50.0	5.0	✔
TDS by Gravimetry	E162	2261562	1	2	50.0	5.0	✔
Bromide in Water by IC (Low Level)	E235.Br-L	2263459	1	7	14.2	5.0	✔
Chloride in Water by IC	E235.Cl	2263455	1	8	12.5	5.0	✔
Fluoride in Water by IC	E235.F	2263458	1	8	12.5	5.0	✔
Nitrite in Water by IC (Low Level)	E235.NO2-L	2263457	1	8	12.5	5.0	✔
Nitrate in Water by IC (Low Level)	E235.NO3-L	2263456	1	8	12.5	5.0	✔
Sulfate in Water by IC	E235.SO4	2263454	1	8	12.5	5.0	✔
Alkalinity Species by Titration	E290	2261507	1	1	100.0	5.0	✔
Ammonia by Fluorescence	E298	2261574	1	1	100.0	5.0	✔
Total Organic Carbon (Non-Purgeable) by Combustion (Low Level)	E355-L	2263498	1	2	50.0	5.0	✔
Dissolved Organic Carbon by Combustion (Low Level)	E358-L	2261575	1	3	33.3	5.0	✔
Total Nitrogen by Colourimetry	E366	2263499	1	2	50.0	5.0	✔
Total Phosphorus by Colourimetry (0.002 mg/L)	E372-U	2263500	1	2	50.0	5.0	✔
Total Metals in Water by CRC ICPMS	E420	2261515	1	1	100.0	5.0	✔
Dissolved Metals in Water by CRC ICPMS	E421	2261514	1	1	100.0	5.0	✔
Total Mercury in Water by CVAAS	E508	2261628	1	18	5.5	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
Analytical Methods							
Method Blanks (MB) - Continued							
Dissolved Mercury in Water by CVAAS	E509	2261629	1	3	33.3	5.0	✔
Phenols (4AAP) in Water by Colorimetry	E562	2265588	1	20	5.0	5.0	✔
VH and F1 by Headspace GC-FID	E581.VH+F1	2263946	1	1	100.0	5.0	✔
BC PHCs - EPH by GC-FID	E601A	2263885	1	2	50.0	5.0	✔
VOCs (BC List) by Headspace GC-MS	E611C	2263947	1	3	33.3	5.0	✔
PAHs in Water by Hexane LVI GC-MS	E641A	2263886	1	2	50.0	5.0	✔
Glycols (4 analytes) by GC-FID	E680E	2263530	1	1	100.0	5.0	✔
Matrix Spikes (MS)							
Bromide in Water by IC (Low Level)	E235.Br-L	2263459	1	7	14.2	5.0	✔
Chloride in Water by IC	E235.Cl	2263455	1	8	12.5	5.0	✔
Fluoride in Water by IC	E235.F	2263458	1	8	12.5	5.0	✔
Nitrite in Water by IC (Low Level)	E235.NO2-L	2263457	1	8	12.5	5.0	✔
Nitrate in Water by IC (Low Level)	E235.NO3-L	2263456	1	8	12.5	5.0	✔
Sulfate in Water by IC	E235.SO4	2263454	1	8	12.5	5.0	✔
Ammonia by Fluorescence	E298	2261574	0	1	0.0	5.0	✘
Total Organic Carbon (Non-Purgeable) by Combustion (Low Level)	E355-L	2263498	1	2	50.0	5.0	✔
Dissolved Organic Carbon by Combustion (Low Level)	E358-L	2261575	1	3	33.3	5.0	✔
Total Nitrogen by Colourimetry	E366	2263499	1	2	50.0	5.0	✔
Total Phosphorus by Colourimetry (0.002 mg/L)	E372-U	2263500	1	2	50.0	5.0	✔
Total Metals in Water by CRC ICPMS	E420	2261515	0	1	0.0	5.0	✘
Dissolved Metals in Water by CRC ICPMS	E421	2261514	0	1	0.0	5.0	✘
Total Mercury in Water by CVAAS	E508	2261628	1	18	5.5	5.0	✔
Dissolved Mercury in Water by CVAAS	E509	2261629	1	3	33.3	5.0	✔
Phenols (4AAP) in Water by Colorimetry	E562	2265588	1	20	5.0	5.0	✔
VH and F1 by Headspace GC-FID	E581.VH+F1	2263946	0	1	0.0	5.0	✘
VOCs (BC List) by Headspace GC-MS	E611C	2263947	1	3	33.3	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 ₂ . Forms of carbon associated with inorganic or organic molecules (e.g. SCN and CN) are included in NPOC if they are not removed by purging under acidic conditions. Notably, NPOC excludes most volatile organic compounds and free cyanide. For samples where the majority of Total Carbon is inorganic, this method provides greater accuracy and reliability versus the TOC by subtraction method (TC minus TIC).
Dissolved Organic Carbon by Combustion (Low Level)	E358-L ALS Environmental - Vancouver	Water	APHA 5310 B (mod)	Dissolved Organic Carbon (Non-Purgeable), also known as NPOC (dissolved), is a direct measurement of DOC after a filtered (0.45 micron) sample has been acidified and purged to remove inorganic carbon (IC). Analysis is by high temperature combustion with infrared detection of CO ₂ . NPOC does not include volatile organic species that are purged off with IC. For samples where the majority of DC (dissolved carbon) is comprised of IC (which is common), this method is more accurate and more reliable than the DOC by subtraction method (i.e. DC minus DIC).
Total Nitrogen by Colourimetry	E366 ALS Environmental - Vancouver	Water	Chinchilla Scientific Nitrate Method, 2011	Following digestion, total nitrogen is 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 ₃ Fe(CN) ₆) and 4-amino-antipyrine (4-AAP) to form a red complex which is measured colorimetrically.
VH and F1 by Headspace GC-FID	E581.VH+F1 ALS Environmental - Vancouver	Water	BC MOE Lab Manual / CCME PHC in Soil - Tier 1 (mod)	Volatile Hydrocarbons (VH and F1) is analyzed by static headspace GC-FID. Samples are prepared in headspace vials and are heated and agitated on the headspace autosampler, causing VOCs to partition between the aqueous phase and the headspace in accordance with Henry's law. Analytical methods for CCME Petroleum Hydrocarbons (PHCs) are validated to comply fully with the Reference Method for the Canada-Wide Standard for PHC. Unless qualified, all required quality control criteria of the CCME PHC method have been met, including response factor and linearity requirements.
BC PHCs - EPH by GC-FID	E601A ALS Environmental - Vancouver	Water	BC MOE Lab Manual	Sample extracts are analyzed by GC-FID for BC hydrocarbon fractions.
VOCs (BC List) by Headspace GC-MS	E611C ALS Environmental - Vancouver	Water	EPA 8260D (mod)	Volatile Organic Compounds (VOCs) are analyzed by static headspace GC-MS. Samples are prepared in headspace vials and are heated and agitated on the headspace autosampler, causing VOCs to partition between the aqueous phase and the headspace in accordance with Henry's law. Total Xylenes is the sum of m,p-Xylene & o-Xylene. Total BTEX is the sum of Benzene, Toluene, Ethylbenzene, & Total Xylenes. Total BTEX+Styrene is the sum of Total BTEX & Styrene. Total Trihalomethanes [THMs] is the sum of Bromodichloromethane, Bromoform, Chloroform, & Dibromochloromethane.



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.
Glycols (4 analytes) by GC-FID	E680E ALS Environmental - Vancouver	Water	EPA 8015D (mod)	Derivatized glycols are analyzed by GC-FID.
Dissolved Hardness (Calculated)	EC100 ALS Environmental - Vancouver	Water	APHA 2340B	"Hardness (as CaCO ₃), dissolved" is calculated from the sum of dissolved Calcium and Magnesium concentrations, expressed in CaCO ₃ equivalents. "Total Hardness" refers to the sum of Calcium and Magnesium Hardness. Hardness is normally or preferentially calculated from dissolved Calcium and Magnesium concentrations, because it is a property of water due to dissolved divalent cations.
Hardness (Calculated) from Total Ca/Mg	EC100A ALS Environmental - Vancouver	Water	APHA 2340B	"Hardness (as CaCO ₃), from total Ca/Mg" is calculated from the sum of total Calcium and Magnesium concentrations, expressed as CaCO ₃ equivalents. "Total Hardness" refers to the sum of Calcium and Magnesium Hardness. Hardness is normally or preferentially calculated from dissolved Calcium and Magnesium concentrations, because hardness is a property of water due to dissolved divalent cations. In non-turbid waters, Hardness from total Ca/Mg is normally comparable to Dissolved Hardness, but may be biased high if particulate forms of Ca or Mg are present.
Un-ionized and Ionized Ammonia (Calculation) (Field Temperature and pH)	EC298A ALS Environmental - Vancouver	Water	CCME CWQG Ammonia	Un-ionized ammonia is calculated from test results for total ammonia, field temperature and pH, and is expressed in units of mg/L "as N".
VPH: VH-BTEX-Styrene	EC580A ALS Environmental - Vancouver	Water	BC MOE Lab Manual (VPH in Water and Solids) (mod)	Volatile Petroleum Hydrocarbons (VPH) is calculated as follows: VPHw = Volatile Hydrocarbons (VH C6-C10) minus benzene, toluene, ethylbenzene, xylenes (BTEX) and styrene.
LEPH and HEPH: EPH-PAH	EC600A ALS Environmental - Vancouver	Water	BC MOE Lab Manual (LEPH and HEPH)	Light Extractable Petroleum Hydrocarbons (LEPH) and Heavy Extractable Petroleum Hydrocarbons (HEPH) are calculated as follows: LEPH = Extractable Petroleum Hydrocarbons (EPH10-19) minus Acenaphthene, Acridine, Anthracene, Fluorene, Naphthalene and Phenanthrene; HEPH = Extractable Petroleum Hydrocarbons (EPH19-32) minus Benz(a)anthracene, Benzo(a)pyrene, Fluoranthene, and Pyrene.
Field pH,EC,Salinity, TDS, Cl ₂ ,ClO ₂ ,ORP,DO, Turbidity,T,T-P,o-PO ₄ ,NH ₃ ,Chloramine	EF001 ALS Environmental - Vancouver	Water	Field Measurement (Client Supplied)	Field pH,EC,Salinity, TDS, Cl ₂ ,ClO ₂ ,ORP,DO, Turbidity,T,T-P,o-PO ₄ ,NH ₃ or Chloramine measurements provided by client and recorded on ALS report may affect the validity of results.
Preparation Methods	Method / Lab	Matrix	Method Reference	Method Descriptions
Preparation for Ammonia	EP298 ALS Environmental - Vancouver	Water		Sample preparation for Preserved Nutrients Water Quality Analysis.



<i>Preparation Methods</i>	<i>Method / Lab</i>	<i>Matrix</i>	<i>Method Reference</i>	<i>Method Descriptions</i>
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.



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Chain of Custody (COC) / Analytical Request Form

COC Number: 23 - 1085342

Page of

Canada Toll Free: 1 800 668 9878

Report To Contact and company name below will appear on the final report		Reports / Recipients			Turnaround Time (TAT) Requested			AFFIX ALS BARCODE LABEL HERE (ALS use only)																											
Company:	FEM	Select Report Format:	<input checked="" type="checkbox"/> PDF <input checked="" type="checkbox"/> EXCEL <input type="checkbox"/> EDD (DIGITAL)	<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 type="checkbox"/> Same day [E2] if received by 10am M-S - 200% rush surcharge.																															
Contact:	Sara Desai Khshi	Merge QC/QCI Reports with COA	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A	Additional fees may apply to rush requests on weekends, statutory holidays and for non-routine tests.																															
Phone:		Select Distribution:	<input type="checkbox"/> EMAIL <input type="checkbox"/> MAIL <input type="checkbox"/> FAX	Date and Time Required for all ESP TATs:			04 Nov 2016 10:00pm																												
Company address below will appear on the final report		Email 1 or Fax: Sara Desai Khshi@michels.com			For all tests with rush TATs requested, please contact your AM to confirm availability.																														
Street:		Email 2: Brad Clarke@michels.com			Analysis Request																														
City/Province:		Email 3:			Indicate Filtered (F), Preserved (P) or Filtered and Preserved (F/P) below																														
Postal Code:		Invoice Recipients			<table border="1"> <tr> <th rowspan="2">NUMBER OF CONTAINERS</th> <th rowspan="2">physical test</th> <th rowspan="2">Total metals</th> <th rowspan="2">dissolved metals</th> <th rowspan="2">phenols</th> <th rowspan="2">Voc</th> <th rowspan="2">Anions nutrients</th> <th rowspan="2">Doc</th> <th rowspan="2">Hydrocarbons</th> <th rowspan="2">PAH</th> <th rowspan="2">Glycols</th> <th rowspan="2">SAMPLES ON HOLD</th> <th rowspan="2">EXTENDED STORAGE REQUIRED</th> <th rowspan="2">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><td></td><td></td><td></td> </tr> </table>			NUMBER OF CONTAINERS	physical test	Total metals	dissolved metals	phenols	Voc	Anions nutrients	Doc	Hydrocarbons	PAH	Glycols	SAMPLES ON HOLD	EXTENDED STORAGE REQUIRED	SUSPECTED HAZARD (see notes)														
NUMBER OF CONTAINERS	physical test	Total metals	dissolved metals	phenols	Voc	Anions nutrients	Doc															Hydrocarbons	PAH	Glycols	SAMPLES ON HOLD	EXTENDED STORAGE REQUIRED	SUSPECTED HAZARD (see notes)								
Invoice To	Same as Report To <input type="checkbox"/> YES <input type="checkbox"/> NO	Select Invoice Distribution:																																	
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ALS Sample # (ALS use only)	Sample Identification and/or Coordinates (This description will appear on the report)	Date (dd-mm-yy)	Time (hh:mm)	Sample Type																															
	WTP	6-October-16	16:00	water																															
Drinking Water (DW) Samples¹ (client use)		Notes / Specify Limits for result evaluation by selecting from drop-down below (Excel COC only)			SAMPLE RECEIPT DETAILS (ALS use only)																														
Are samples taken from a Regulated DW System? <input type="checkbox"/> YES <input type="checkbox"/> NO		Temp: 18 PH: 7.5			Cooling Method: <input checked="" 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: _____ FINAL COOLER TEMPERATURES °C: _____																														
SHIPMENT RELEASE (client use)		INITIAL SHIPMENT RECEPTION (ALS use only)			FINAL SHIPMENT RECEPTION (ALS use only)																														
Released by:	Date:	Time:	Received by:	Date:	Time:	Received by: RJ	Date: OCT-6-16																												
							19:00																												

Environmental Division
Vancouver
Work Order Reference
VA25C6407

Telephone: +1 604 253 4188

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JAN 2015 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.