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Eagle Mountain - Woodfibre Gas Pipeline Project

BCER Waste Discharge Permit Weekly Report

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Preamble

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

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

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

Introduction

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

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



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Sampling Methodology

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

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

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

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

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

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

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



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Summary-BC Rail Site

Site Activities and Exceedances

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

Discharge from Water Treatment Plant

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

Table 3: Discharge from Water Treatment System Information

Location	Date of Discharge	Date of Lab Sample (for the discharge)	Real Time Monitored	Field Samples Taken	Discharge Rate (batch)	Discharge Volume (batch)	Results
BC Rail	2025-10-03	2025-09-24	N/A	N/A	145	26.3m 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	2025-10-01	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	2025-10-01	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:

Sept 29th to Oct 2nd: All data were missing due to temporary relocation of the SQU US sonde to WLNG US. Sonde was reinstated on Oct 2nd 12:00pm. Data missing on Oct 3 at 00:00, 11:30, 11:45, Oct 4 at 14:00.

SQU DS:

Oct 5: Temperature, ORP, and turbidity data were missing at 16:00.



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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 (0.000353 mg/L) was above its sample-specific BC ST WQGPAL (freshwater) of 0.0002 mg/L by a factor of 1.8 times, although it is important to note that this guideline includes a 2-fold safety factor. These results suggest negligible additional risk to downstream aquatic life from the EOP D-Cu discharge concentration on Sept 2 given that it was less than the upstream reference results.
 - D-Cu at the upstream reference WLNG US (0.00655 mg/L) station was below the sample-specific BC ST WQGPAL (freshwater) of 0.00911 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 (0.00213 mg/L) station was below the BC ST freshwater WQGPAL guideline (i.e., 0.00322 mg/L) and the WLNG US upstream reference station results.

Discharge from Water Treatment Plant

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

Table 6: Discharges from Water Treatment System

Location	Date of Discharge	Real Time Monitored and Daily Monitoring	Discharge Volume
Woodfibre	2025-09-29	Yes-Appendix C	2,437 m ³
Woodfibre	2025-09-30	Yes-Appendix C	2,309 m ³
Woodfibre	2025-10-01	Yes-Appendix C	2,321 m ³
Woodfibre	2025-10-02	Yes-Appendix C	2,399 m ³
Woodfibre	2025-10-03	Yes-Appendix C	2,782 m ³
Woodfibre	2025-10-04	Yes-Appendix C	2,792 m ³
Woodfibre	2025-10-05	Yes-Appendix C	2,676 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	2025-10-01	Yes *	Full set of lab sample results, photo and documentation are provided in Appendix D.

Table 8: Downstream Monitoring Information

	Date of Lab Sample	Real Time Monitored	Results
East Creek Downstream	2025-10-01	Yes *	Full set of lab sample results, photo and documentation are provided in Appendix D.

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

**DATA GAPS: In-Situ Continuous Monitoring

WLNG US:

Sept 30: Temperature was missing at 03:00.

Oct 2: Temperature was missing at 12:00.

Oct 3: Temperature was missing at 04:00, 11:00, and 22:00.

Oct 4: Temperature was missing at 21:00.

Oct 5: Temperature was missing at 20:00.

WLNG DS:

Sept 29: All data were missing at 04:00.

Oct 1: Temperature, ORP, pH, dissolved oxygen, and turbidity data were missing at 11:00.

Turbidity at the downstream station was elevated from Sept 29 at 05:00 to Sept 30 at 10:00, as well as a period of 32 hours from Oct 2 at 01:00 to Oct 3 at 10:00. The Water Treatment Plant turbidity measurements do not align with the elevated numbers recorded at the data logger and is likely due to accumulation of material on the sensor. The sensor is being cleaned several times a week.

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

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BCR Site Batch Sample Analysis Field Notes and Log

		Eagle Mountain- Woodfibre Gas Pipeline Project- Tunnel Scope	
Title	BC Rail Batch Water Discharge Report	Revision:	0
Date	October 03, 2025	Prepared by: Reviewed by: Date:	SD BC1 October 05, 2025

Table of Contents:

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

Executive Summary and Field Notes:

On October 3rd, FKM initiated a new batch discharge at the BC Rail site. The discharge began on October 3 at 00:15 am and ended at 01:15 am. Total volume of discharge water was 26.331 m3, with an average flow rate of 145 GPM.

Table 1: Discharge details

Date	Start Time	Flow Rate (GPM)	Volume (m3)
03-Oct-2025	00:15 AM	145	26.331

Table 2: In-Situ Sample

Date	Time	pH	Temperature (°C)	DO (mg/L)	NTU	Conductivity (µS/cm)	ORP (mV)	Salinity (ppt)	Visible sheen
02/10/2025	05:49 PM	8.13	14.2	9.92	1.15	443.6	162.6	0.21	No

		Eagle Mountain- Woodfibre Gas Pipeline Project- Tunnel Scope	
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Discharge Sample results:

Table 3: Lab Sample

Client Sample ID			WTP		
Date Sampled			24-Sep-2025		
Time Sampled			16:35		
ALS Sample ID			VA25C5300-001		
Analyte	Lowest Detection Limit	Units	Sub-Matrix: Water	ST-FAL	ST-MAL
Field Tests (Matrix: Water)					
Temperature, field	0.10	°C	20.0		
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	431		
Alkalinity, bicarbonate (as CaCO3)	2.0	mg/L	35.6		
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	35.6		
Hardness (as CaCO3), dissolved	0.60	mg/L	3.92		
Hardness (as CaCO3), from total Ca/Mg	0.60	mg/L	3.91		
Oxidation-reduction potential [ORP]	0.10	mV	227		
Solids, total dissolved [TDS]	10	mg/L	240		
Solids, total suspended [TSS]	3.0	mg/L	<3.0		
Turbidity	0.10	NTU	0.40	US value + 8 = DS guideline	US value + 8 = DS guideline
pH	0.10	pH units	7.65	6.5-9	7.0-8.7
Anions and Nutrients (Matrix: Water)					
Ammonia, total (as N)	0.0050	mg/L	0.0519	44	
Bromide	0.050	mg/L	0.313		

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Chloride	0.50	mg/L	101	600	
Fluoride	0.020	mg/L	0.275	0.793	1.5
Nitrate (as N)	0.0050	mg/L	0.102	32.8	
Nitrite (as N)	0.0010	mg/L	0.0057	0.06	
Sulfate (as SO4)	0.30	mg/L	10.0		
Ammonium (as NH4), field	0.0010	mg/L	0.0660		
Organic / Inorganic Carbon (Matrix: Water)					
Carbon, dissolved organic [DOC]	0.50	mg/L	1.36		
Carbon, total organic [TOC]	0.50	mg/L	1.76		
Total Metals (Matrix: Water)					
Aluminum, total	0.0030	mg/L	0.0257		
Antimony, total	0.00010	mg/L	0.00030	0.25	
Arsenic, total	0.00010	mg/L	0.00039		
Barium, total	0.00010	mg/L	0.00127		
Beryllium, total	0.000100	mg/L	<0.000100		
Bismuth, total	0.000050	mg/L	<0.000050		
Boron, total	0.010	mg/L	0.032		
Cadmium, total	0.0000050	mg/L	<0.0000150		
Calcium, total	0.050	mg/L	0.953		
Cesium, total	0.000010	mg/L	0.000046		
Chromium, total	0.00050	mg/L	<0.00050		
Cobalt, total	0.00010	mg/L	<0.00010	0.00039	
Copper, total	0.00050	mg/L	0.00094		0.003
Iron, total	0.010	mg/L	0.060	1	
Lead, total	0.000050	mg/L	<0.000050		0.14
Lithium, total	0.0010	mg/L	0.0013		
Magnesium, total	0.0050	mg/L	0.372		
Manganese, total	0.00010	mg/L	0.00044	0.715	
Mercury, total	0.0000050	mg/L	<0.0000050		
Molybdenum, total	0.000050	mg/L	0.0572	46	
Nickel, total	0.00050	mg/L	0.00067		
Phosphorus, total	0.050	mg/L	0.095		
Potassium, total	0.050	mg/L	5.54		
Rubidium, total	0.00020	mg/L	0.00179		

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Selenium, total	0.000050	mg/L	<0.000050		
Silicon, total	0.10	mg/L	7.94		
Silver, total	0.000010	mg/L	<0.000010	0.0001	0.003
Sodium, total	0.050	mg/L	85.1		
Strontium, total	0.00020	mg/L	0.0119		
Sulfur, total	0.50	mg/L	3.83		
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	0.00030		
Uranium, total	0.000010	mg/L	<0.000010	0.0165	
Vanadium, total	0.00050	mg/L	0.00520		
Zinc, total	0.0030	mg/L	0.0064		0.055
Zirconium, total	0.00020	mg/L	<0.00020		
Dissolved Metals (Matrix: Water)					
Aluminum, dissolved	0.0010	mg/L	0.0257		
Antimony, dissolved	0.00010	mg/L	0.00030		
Arsenic, dissolved	0.00010	mg/L	0.00041		
Barium, dissolved	0.00010	mg/L	0.00132		
Beryllium, dissolved	0.000100	mg/L	<0.000100		
Bismuth, dissolved	0.000050	mg/L	<0.000050		
Boron, dissolved	0.010	mg/L	0.032		
Cadmium, dissolved	0.0000050	mg/L	<0.0000150	0.000107	
Calcium, dissolved	0.050	mg/L	0.958		
Cesium, dissolved	0.000010	mg/L	0.000045		
Chromium, dissolved	0.00050	mg/L	<0.00050		
Cobalt, dissolved	0.00010	mg/L	<0.00010		
Copper, dissolved	0.00020	mg/L	0.00089	0.00219	
Iron, dissolved	0.010	mg/L	0.052	0.35	
Lead, dissolved	0.000050	mg/L	<0.000050		
Lithium, dissolved	0.0010	mg/L	0.0014		
Magnesium, dissolved	0.0050	mg/L	0.370		
Manganese, dissolved	0.00010	mg/L	0.00038		

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Mercury, dissolved	0.0000050	mg/L	<0.0000050		
Molybdenum, dissolved	0.000050	mg/L	0.0586		
Nickel, dissolved	0.00050	mg/L	0.00062	0.0095	
Phosphorus, dissolved	0.050	mg/L	0.077		
Potassium, dissolved	0.050	mg/L	5.75		
Rubidium, dissolved	0.00020	mg/L	0.00177		
Selenium, dissolved	0.000050	mg/L	<0.000050		
Silicon, dissolved	0.050	mg/L	7.92		
Silver, dissolved	0.000010	mg/L	<0.000010		
Sodium, dissolved	0.050	mg/L	86.9		
Strontium, dissolved	0.00020	mg/L	0.0122		
Sulfur, dissolved	0.50	mg/L	3.29		
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	0.00031		
Uranium, dissolved	0.000010	mg/L	<0.000010		
Vanadium, dissolved	0.00050	mg/L	0.00515		
Zinc, dissolved	0.0010	mg/L	0.0067	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)	0.0010	mg/L	<0.0010		
Volatile Organic Compounds (Matrix: Water)					
Chlorobenzene	0.50	µg/L	<0.50		
Chloromethane	5.0	µg/L	<5.0		
Dichlorobenzene, 1,2-	0.50	µg/L	<0.50		
Dichlorobenzene, 1,3-	0.50	µg/L	<0.50		
Dichlorobenzene, 1,4-	0.50	µg/L	<0.50		
Dichloropropane, 1,2-	0.50	µg/L	<0.50		
Dichloropropylene, cis+trans-1,3-	0.75	µg/L	<0.75		

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

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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	%	87.4		
Dichlorotoluene, 3,4-	1.0	%	88.1		
Volatile Organic Compounds Surrogates (Matrix: Water)					
Bromofluorobenzene, 4-	1.0	%	92.4		
Difluorobenzene, 1,4-	1.0	%	101		
Polycyclic Aromatic Hydrocarbons (Matrix: Water)					
Acenaphthene	0.010	µg/L	<0.010		
Acenaphthylene	0.010	µg/L	<0.010		
Acridine	0.010	µg/L	<0.010		
Anthracene	0.010	µg/L	<0.010		
Benz(a)anthracene	0.010	µg/L	<0.010		
Benzo(a)pyrene	0.0050	µg/L	<0.0050		
Benzo(b+j)fluoranthene	0.010	µg/L	<0.010		
Benzo(b+j+k)fluoranthene	0.015	µg/L	<0.015		
Benzo(g,h,i)perylene	0.010	µg/L	<0.010		
Benzo(k)fluoranthene	0.010	µg/L	<0.010		
Chrysene	0.010	µg/L	<0.010		
Dibenz(a,h)anthracene	0.0050	µg/L	<0.0050		
Fluoranthene	0.010	µg/L	<0.010		
Fluorene	0.010	µg/L	<0.010		
Indeno(1,2,3-c,d)pyrene	0.010	µg/L	<0.010		
Methylnaphthalene, 1-	0.010	µg/L	<0.010		



Eagle Mountain- Woodfibre Gas Pipeline Project- Tunnel Scope

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

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	%	94.5		
Naphthalene-d8	0.1	%	99.0		
Phenanthrene-d10	0.1	%	104		
Glycols (Matrix: Water)					
Diethylene glycol	5.0	mg/L	<5.0		
Ethylene glycol	5.0	mg/L	<5.0		
Propylene glycol, 1,2-	5.0	mg/L	<5.0		
Triethylene glycol	5.0	mg/L	<5.0		
Glycols, total (EG+DEG+PG)	10	mg/L	<10		



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Photo:

Photo 1: No visible sheen observed in the WTP water, October 02



 Eagle Mountain - Woodfibre Gas Pipeline Project Waste Discharge Permit PE-110163 Report	Reporting Week	Sept 29 th to Oct 5 th , 2025
	Report #	80
	Appendix B	B-1

Appendix B: BCR Site Receiving Environment Documentation

 Eagle Mountain - Woodfibre Gas Pipeline Project Waste Discharge Permit PE-110163 Report	Reporting Week	Sept 29 th to Oct 5 th , 2025
	Report #	80
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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 2025-10-01 14:00:00	SQU DS 2025-10-01 13:45:00
In situ Parameters									
Field pH	pH Units	6.5 - 9			7 - 8.7			7.36	6.84
Field Temperature	°C	18	19					13.7	11.2
General Parameters									
pH	pH Units							6.65	6.52
Alkalinity (Total as CaCO ₃)	mg/L							11	10
Alkalinity (PP as CaCO ₃)	mg/L							<1	<1
Hardness (CaCO ₃)-Total	mg/L							20.8	20.3
Hardness (CaCO ₃)-Dissolved	mg/L							12.5	11.6
Sulphide-Total	mg/L							<0.0018	0.011
Sulphide (as H ₂ S)	mg/L			0.002				<0.002	0.012
Anions and Nutrients									
Ammonia (N)-Total	mg/L	1.79	13.9		12	131		0.028	0.033
Bicarbonate (HCO ₃)	mg/L							13	13
Carbonate (CO ₃)	mg/L							<1	<1
Hydroxide (OH)	mg/L							<1	<1
Nitrate (N)	mg/L	3	32.8		3.7			0.06	0.06
Nitrite (N)	mg/L	0.02	0.06					<0.005	<0.005
Nitrate plus Nitrite (N)	mg/L							0.06	0.06
Nitrogen (N)-Total	mg/L							0.184	0.205
Phosphorus (P)-Total (4500-P)	mg/L							0.2	0.25
Bromide (Br)	mg/L							<0.01	<0.01
Chloride (Cl)	mg/L	150	600					<1	<1
Fluoride (F)	mg/L		0.693			1.5		<0.05	<0.05
Sulphate (SO ₄)-Dissolved	mg/L	128						3.2	3.2

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.



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 2025-10-01 14:00:00	SQU DS 2025-10-01 13:45:00
Total Metals									
Aluminum (Al)-Total	mg/L	0.067096						2.88	3.26
Antimony (Sb)-Total	mg/L	0.074	0.25					<0.00002	<0.00002
Arsenic (As)-Total	mg/L	0.005			0.0125			0.00033	0.000381
Barium (Ba)-Total	mg/L			1				0.0395	0.0441
Beryllium (Be)-Total	mg/L			0.00013			0.1	0.000039	0.000039
Bismuth (Bi)-Total	mg/L							0.000012	<0.00001
Boron (B)-Total	mg/L	1.2			1.2			<0.01	<0.01
Cadmium (Cd)-Total	mg/L						0.00012	0.0000342	0.0000309
Calcium (Ca)-Total	mg/L							6.28	5.75
Cesium (Cs)-Total	mg/L							0.000114	0.00015
Chromium (Cr)-Total	mg/L							0.00094	0.00104
Chromium (Cr III)-Total	mg/L			0.0089			0.056	<0.00099	0.001
Chromium (Cr VI)-Total	mg/L			0.0025			0.0015	<0.00099	<0.00099
Cobalt (Co)-Total	mg/L							0.000985	0.00111
Copper (Cu)-Total	mg/L				0.002	0.003		0.00673	0.00656
Iron (Fe)-Total	mg/L		1					1.95	2.27
Lead (Pb)-Total	mg/L				0.002	0.14		0.000896	0.000759
Lithium (Li)-Total	mg/L							0.00159	0.00177
Magnesium (Mg)-Total	mg/L							1.25	1.44
Manganese (Mn)-Total	mg/L	0.694	0.764				0.1	0.0707	0.0756
Mercury (Hg)-Total	mg/L	0.00002			0.00002			0.0000032	0.0000031
Molybdenum (Mo)-Total	mg/L	7.6	46					0.000414	0.000448
Nickel (Ni)-Total	mg/L						0.0083	0.00127	0.00138
Phosphorus (P)-Total (ICPMS)	mg/L							0.3	0.198
Potassium (K)-Total	mg/L							1	1.14
Rubidium (Rb)-Total	mg/L							0.00273	0.00313
Selenium (Se)-Total	mg/L	0.002			0.002			<0.00004	<0.00004
Silicon (Si)-Total	mg/L							6.43	6.92
Silver (Ag)-Total	mg/L	0.00012			0.0005	0.0037	0.0005	0.000016	0.000013
Sodium (Na)-Total	mg/L							1.72	2.02
Strontium (Sr)-Total	mg/L							0.0475	0.047
Sulphur (S)-Total	mg/L							<3	<3
Tellurium (Te)-Total	mg/L							<0.00002	<0.00002
Thallium (Tl)-Total	mg/L			0.00003				0.0000225	0.0000242
Thorium (Th)-Total	mg/L							0.000106	0.000113
Tin (Sn)-Total	mg/L							<0.0002	<0.0002
Titanium (Ti)-Total	mg/L							0.0936	0.117
Uranium (U)-Total	mg/L		0.0165	0.0075				0.000111	0.000111
Vanadium (V)-Total	mg/L			0.06			0.005	0.00491	0.0055
Zinc (Zn)-Total	mg/L				0.01	0.055		0.0083	0.0165
Zirconium (Zr)-Total	mg/L							0.00065	0.00049

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

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

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



Analyte	Unit	BC Approved Water Quality Guideline - Freshwater Aquatic Life - Long Term Average	BC Approved Water Quality Guideline - Freshwater Aquatic Life - Short Term Max	BC Working Water Quality Guideline - Freshwater Aquatic Life - Long Term Average	BC Approved Water Quality Guideline - Marine Aquatic Life - Long Term Average	BC Approved Water Quality Guideline - Marine Aquatic Life - Short Term Max	BC Working Water Quality Guideline - Marine Aquatic Life - Long Term Average	SQU US 2025-10-01 14:00:00	SQU DS 2025-10-01 13:45:00
Dissolved Metals									
Aluminum (Al)-Dissolved	mg/L							0.0629	0.0572
Antimony (Sb)-Dissolved	mg/L							<0.00002	<0.00002
Arsenic (As)-Dissolved	mg/L							0.000122	0.000117
Barium (Ba)-Dissolved	mg/L							0.00428	0.00477
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	0.000065	0.000114					0.0000103	0.0000074
Calcium (Ca)-Dissolved	mg/L							4.31	3.96
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						0.0000433	0.0000461
Copper (Cu)-Dissolved	mg/L	0.0002	0.00099					0.00112	0.00114
Iron (Fe)-Dissolved	mg/L		0.35					0.0358	0.0361
Lead (Pb)-Dissolved	mg/L	0.002405						0.0000205	0.0000174
Lithium (Li)-Dissolved	mg/L							<0.0005	<0.0005
Manganese (Mn)-Dissolved	mg/L							0.00717	0.00768
Magnesium (Mg)-Dissolved	mg/L							0.415	0.404
Mercury (Hg)-Dissolved	mg/L							<0.0000019	<0.0000019
Molybdenum (Mo)-Dissolved	mg/L							0.000397	0.000473
Nickel (Ni)-Dissolved	mg/L	0.0007	0.0113					0.000102	0.000112
Phosphorus (P)-Dissolved	mg/L							0.0059	0.005
Potassium (K)-Dissolved	mg/L							0.437	0.5
Rubidium (Rb)-Dissolved	mg/L							0.000561	0.000664
Selenium (Se)-Dissolved	mg/L							<0.00004	<0.00004
Silicon (Si)-Dissolved	mg/L							2.77	2.49
Silver (Ag)-Dissolved	mg/L							<0.000005	<0.000005
Sodium (Na)-Dissolved	mg/L							1.12	1.28
Strontium (Sr)-Dissolved	mg/L			1.25				0.0253	0.0234
Sulphur (S)-Dissolved	mg/L							<3	<3
Tellurium (Te)-Dissolved	mg/L							<0.00002	<0.00002
Thallium (Tl)-Dissolved	mg/L							0.0000035	0.0000029
Thorium (Th)-Dissolved	mg/L							0.0000076	0.0000063
Tin (Sn)-Dissolved	mg/L							<0.0002	<0.0002
Titanium (Ti)-Dissolved	mg/L							0.00113	0.00114
Uranium (U)-Dissolved	mg/L							0.0000317	0.0000337
Vanadium (V)-Dissolved	mg/L							0.00082	0.00074
Zinc (Zn)-Dissolved	mg/L	0.00383	0.013066					0.00013	0.00283
Zirconium (Zr)-Dissolved	mg/L							<0.0001	<0.0001

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

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

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Analyte	Unit	BC Approved Water Quality Guideline - Freshwater Aquatic Life - Long Term Average	BC Approved Water Quality Guideline - Freshwater Aquatic Life - Short Term Max	BC Working Water Quality Guideline - Freshwater Aquatic Life - Long Term Average	BC Approved Water Quality Guideline - Marine Aquatic Life - Long Term Average	BC Approved Water Quality Guideline - Marine Aquatic Life - Short Term Max	BC Working Water Quality Guideline - Marine Aquatic Life - Long Term Average	SQU US 2025-10-01 14:00:00	SQU DS 2025-10-01 13:45:00
Inorganics									
Organic Carbon (C)-Total	mg/L							2.7	2.5
Organic Carbon (C)-Dissolved	mg/L							2.9	2.6
Solids-Total Dissolved	mg/L							52	28
Solids-Total Suspended	mg/L	335	355					330	240

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

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

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 Eagle Mountain - Woodfibre Gas Pipeline Project Waste Discharge Permit PE-110163 Report	Reporting Week	Sept 29 th to Oct 5 th , 2025
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BCR Site Receiving Environment Field Notes and Logs

Squamish River								
Station	Date/Time	Temperature (C)	Specific Conductivity (µS/cm)	ORP (V)	pH (pH units)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	Salinity (PSU)
SQU-DS	2025-09-29 00:00:00	9.75	54.17	-0.04	7.04	0.00	0.00	0.02
SQU-DS	2025-09-29 00:15:00	9.74	54.37	-0.04	7.04	0.00	0.00	0.02
SQU-DS	2025-09-29 00:30:00	9.75	54.57	-0.04	7.04	0.00	0.00	0.02
SQU-DS	2025-09-29 00:45:00	9.75	54.79	-0.04	7.04	0.00	0.00	0.02
SQU-DS	2025-09-29 01:00:00	9.76	54.99	-0.05	7.04	0.00	0.00	0.02
SQU-DS	2025-09-29 01:15:00	9.76	55.19	-0.05	7.04	0.00	0.00	0.02
SQU-DS	2025-09-29 01:30:00	9.75	55.39	-0.05	7.04	0.00	0.00	0.02
SQU-DS	2025-09-29 01:45:00	9.75	55.59	-0.05	7.04	0.00	0.00	0.02
SQU-DS	2025-09-29 02:00:00	9.75	55.80	-0.05	7.04	0.00	0.00	0.03
SQU-DS	2025-09-29 02:15:00	9.74	55.99	-0.05	7.04	0.00	0.00	0.03
SQU-DS	2025-09-29 02:30:00	9.74	56.20	-0.06	7.04	0.00	0.00	0.03
SQU-DS	2025-09-29 02:45:00	9.73	56.40	-0.06	7.04	0.00	0.00	0.03
SQU-DS	2025-09-29 03:00:00	9.72	56.59	-0.06	7.04	0.00	0.00	0.03
SQU-DS	2025-09-29 03:15:00	9.72	56.78	-0.06	7.04	0.00	0.00	0.03
SQU-DS	2025-09-29 03:30:00	9.72	57.00	-0.06	7.04	0.00	0.00	0.03
SQU-DS	2025-09-29 03:45:00	9.72	57.18	-0.06	7.04	0.00	0.00	0.03
SQU-DS	2025-09-29 04:00:00	9.72	57.40	-0.06	7.04	0.00	0.00	0.03
SQU-DS	2025-09-29 04:15:00	9.72	57.60	-0.07	7.04	0.00	0.00	0.03
SQU-DS	2025-09-29 04:30:00	9.73	57.79	-0.07	7.04	0.00	0.00	0.03
SQU-DS	2025-09-29 04:45:00	9.73	58.01	-0.07	7.04	0.00	0.00	0.03
SQU-DS	2025-09-29 05:00:00	9.73	58.22	-0.07	7.04	0.00	0.00	0.03
SQU-DS	2025-09-29 05:15:00	9.73	58.43	-0.07	7.04	0.00	0.00	0.03
SQU-DS	2025-09-29 05:30:00	9.73	58.65	-0.07	7.04	0.00	0.00	0.03
SQU-DS	2025-09-29 05:45:00	9.73	58.86	-0.07	7.04	0.00	0.00	0.03
SQU-DS	2025-09-29 06:00:00	9.73	59.11	-0.08	7.04	0.00	0.00	0.03
SQU-DS	2025-09-29 06:15:00	9.74	59.35	-0.08	7.05	0.00	0.00	0.03
SQU-DS	2025-09-29 06:30:00	9.75	59.61	-0.08	7.05	0.00	0.00	0.03
SQU-DS	2025-09-29 06:45:00	9.78	59.94	-0.08	7.05	0.00	0.00	0.03
SQU-DS	2025-09-29 07:00:00	9.85	60.29	-0.08	7.05	0.00	0.00	0.03
SQU-DS	2025-09-29 07:15:00	9.92	60.22	-0.08	7.05	0.00	0.00	0.03
SQU-DS	2025-09-29 07:30:00	9.97	60.25	-0.09	7.05	0.00	0.00	0.03
SQU-DS	2025-09-29 07:45:00	9.99	60.21	-0.09	7.05	0.00	0.00	0.03
SQU-DS	2025-09-29 08:00:00	10.02	60.26	-0.09	7.05	0.00	0.00	0.03
SQU-DS	2025-09-29 08:15:00	10.05	60.30	-0.09	7.05	0.00	0.00	0.03
SQU-DS	2025-09-29 08:30:00	10.08	60.39	-0.09	7.05	0.00	0.00	0.03
SQU-DS	2025-09-29 08:45:00	10.09	60.43	-0.10	7.05	0.00	0.00	0.03
SQU-DS	2025-09-29 09:00:00	10.07	60.36	-0.10	7.05	0.00	0.00	0.03
SQU-DS	2025-09-29 09:15:00	10.05	59.94	-0.10	7.05	0.00	0.00	0.03
SQU-DS	2025-09-29 09:30:00	10.02	55.53	-0.10	7.05	0.00	0.00	0.02
SQU-DS	2025-09-29 09:45:00	10.04	26.30	-0.11	7.05	0.00	0.00	0.01
SQU-DS	2025-09-29 10:00:00	10.12	26.51	-0.11	7.05	0.00	30.22	0.01
SQU-DS	2025-09-29 10:15:00	10.18	27.43	-0.11	7.05	0.00	488.96	0.01
SQU-DS	2025-09-29 10:30:00	10.29	29.13	-0.08	7.05	0.07	871.90	0.01
SQU-DS	2025-09-29 10:45:00	10.41	30.37	0.00	7.05	0.22	513.61	0.01
SQU-DS	2025-09-29 11:00:00	10.48	20.94	0.00	7.04	0.15	1233.36	0.01
SQU-DS	2025-09-29 11:15:00	10.57	28.90	-0.02	7.16	0.10	1026.04	0.01
SQU-DS	2025-09-29 11:30:00	10.66	33.12	0.19	7.45	0.14	948.92	0.01
SQU-DS	2025-09-29 11:45:00	10.64	32.07	0.30	7.47	4.17	917.28	0.01
SQU-DS	2025-09-29 12:00:00	10.68	31.57	0.31	7.47	7.56	835.24	0.01
SQU-DS	2025-09-29 12:15:00	10.69	30.26	0.34	7.34	8.90	739.90	0.01
SQU-DS	2025-09-29 12:30:00	10.73	29.76	0.34	7.29	10.44	1037.22	0.01
SQU-DS	2025-09-29 12:45:00	10.71	28.60	0.35	7.27	10.54	1256.40	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	2025-09-29 13:00:00	10.80	29.04	0.36	7.26	10.56	1186.85	0.01
SQU-DS	2025-09-29 13:15:00	10.86	28.58	0.37	7.26	10.58	1338.09	0.01
SQU-DS	2025-09-29 13:30:00	10.95	28.80	0.37	7.19	10.62	1299.96	0.01
SQU-DS	2025-09-29 13:45:00	11.02	28.62	0.37	7.23	10.62	1254.58	0.01
SQU-DS	2025-09-29 14:00:00	10.82	26.74	0.38	7.14	10.57	218.20	0.01
SQU-DS	2025-09-29 14:15:00	10.83	26.11	0.35	7.22	10.57	3.31	0.01
SQU-DS	2025-09-29 14:30:00	10.84	25.58	0.33	7.34	10.58	5.18	0.01
SQU-DS	2025-09-29 14:45:00	10.82	25.48	0.37	7.21	10.59	1611.92	0.01
SQU-DS	2025-09-29 15:00:00	10.73	24.65	0.38	7.14	10.58	1059.78	0.01
SQU-DS	2025-09-29 15:15:00	10.80	25.94	0.36	7.33	10.57	0.00	0.01
SQU-DS	2025-09-29 15:30:00	10.79	25.10	0.37	7.08	10.56	1967.72	0.01
SQU-DS	2025-09-29 15:45:00	10.66	24.05	0.36	7.10	10.52	0.00	0.01
SQU-DS	2025-09-29 16:00:00	10.65	23.95	0.34	7.28	10.52	0.00	0.01
SQU-DS	2025-09-29 16:15:00	10.66	24.17	0.37	6.78	10.52	921.17	0.01
SQU-DS	2025-09-29 16:30:00	10.68	24.36	0.36	7.18	10.51	2781.20	0.01
SQU-DS	2025-09-29 16:45:00	10.61	23.75	0.35	7.14	10.48	3664.96	0.01
SQU-DS	2025-09-29 17:00:00	10.59	23.13	0.34	7.11	10.48	1.00	0.01
SQU-DS	2025-09-29 17:15:00	10.60	23.75	0.35	7.22	10.44	2509.19	0.01
SQU-DS	2025-09-29 17:30:00	10.61	24.04	0.35	7.22	10.46	2143.27	0.01
SQU-DS	2025-09-29 17:45:00	10.62	23.99	0.35	7.18	10.44	2416.72	0.01
SQU-DS	2025-09-29 18:00:00	10.66	24.28	0.35	7.17	10.43	0.00	0.01
SQU-DS	2025-09-29 18:15:00	10.64	20.66	0.33	7.20	10.42	0.00	0.01
SQU-DS	2025-09-29 18:30:00	10.64	17.45	0.33	7.12	10.42	0.00	0.01
SQU-DS	2025-09-29 18:45:00	10.64	24.93	0.35	7.22	10.43	2005.48	0.01
SQU-DS	2025-09-29 19:00:00	10.66	25.08	0.36	7.25	10.42	2895.58	0.01
SQU-DS	2025-09-29 19:15:00	10.66	24.83	0.37	7.14	10.44	7.43	0.01
SQU-DS	2025-09-29 19:30:00	10.63	20.70	0.35	7.13	10.46	1.85	0.01
SQU-DS	2025-09-29 19:45:00	10.62	24.46	0.37	7.01	10.48	0.35	0.01
SQU-DS	2025-09-29 20:00:00	10.65	23.61	0.36	7.05	10.49	0.15	0.01
SQU-DS	2025-09-29 20:15:00	10.64	21.96	0.32	7.23	10.53	0.00	0.01
SQU-DS	2025-09-29 20:30:00	10.66	24.38	0.33	7.14	10.57	0.00	0.01
SQU-DS	2025-09-29 20:45:00	10.67	22.33	0.32	7.18	10.60	0.00	0.01
SQU-DS	2025-09-29 21:00:00	10.69	21.88	0.32	7.23	10.63	0.00	0.01
SQU-DS	2025-09-29 21:15:00	10.63	24.34	0.36	7.06	10.61	0.00	0.01
SQU-DS	2025-09-29 21:30:00	10.68	23.26	0.31	7.05	10.64	0.00	0.01
SQU-DS	2025-09-29 21:45:00	10.71	24.05	0.34	7.19	10.65	0.00	0.01
SQU-DS	2025-09-29 22:00:00	10.66	20.75	0.34	7.31	10.65	0.00	0.01
SQU-DS	2025-09-29 22:15:00	10.70	24.72	0.36	7.19	10.65	4.25	0.01
SQU-DS	2025-09-29 22:30:00	10.67	23.85	0.36	7.18	10.65	0.00	0.01
SQU-DS	2025-09-29 22:45:00	10.63	20.39	0.35	7.42	10.65	0.00	0.01
SQU-DS	2025-09-29 23:00:00	10.62	24.19	0.37	7.16	10.64	0.42	0.01
SQU-DS	2025-09-29 23:15:00	10.59	23.87	0.37	7.16	10.65	0.00	0.01
SQU-DS	2025-09-29 23:30:00	10.59	24.27	0.37	7.22	10.65	1579.57	0.01
SQU-DS	2025-09-29 23:45:00	10.54	23.69	0.37	7.18	10.62	0.19	0.01
SQU-DS	2025-09-30 00:00:00	10.51	23.37	0.38	7.13	10.61	0.00	0.01
SQU-DS	2025-09-30 00:15:00	10.51	23.80	0.38	7.20	10.60	49.01	0.01
SQU-DS	2025-09-30 00:30:00	10.48	23.93	0.38	7.19	10.57	1280.12	0.01
SQU-DS	2025-09-30 00:45:00	10.45	23.66	0.39	7.18	10.55	1486.15	0.01
SQU-DS	2025-09-30 01:00:00	10.44	23.56	0.39	7.16	10.53	0.00	0.01
SQU-DS	2025-09-30 01:15:00	10.44	23.21	0.38	7.29	10.51	0.00	0.01
SQU-DS	2025-09-30 01:30:00	10.38	23.73	0.39	7.15	10.51	1026.17	0.01
SQU-DS	2025-09-30 01:45:00	10.38	23.82	0.39	7.17	10.50	867.30	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	2025-09-30 02:00:00	10.38	24.18	0.39	7.14	10.48	921.51	0.01
SQU-DS	2025-09-30 02:15:00	10.36	24.28	0.39	7.14	10.47	774.90	0.01
SQU-DS	2025-09-30 02:30:00	10.32	24.16	0.40	7.17	10.46	865.59	0.01
SQU-DS	2025-09-30 02:45:00	10.32	24.34	0.40	7.16	10.45	1063.47	0.01
SQU-DS	2025-09-30 03:00:00	10.33	24.74	0.40	7.17	10.45	905.99	0.01
SQU-DS	2025-09-30 03:15:00	10.27	24.78	0.40	7.11	10.43	928.44	0.01
SQU-DS	2025-09-30 03:30:00	10.25	24.74	0.41	7.11	10.43	951.20	0.01
SQU-DS	2025-09-30 03:45:00	10.23	24.80	0.41	7.10	10.41	928.77	0.01
SQU-DS	2025-09-30 04:00:00	10.23	24.84	0.41	7.16	10.42	882.30	0.01
SQU-DS	2025-09-30 04:15:00	10.22	25.13	0.41	7.19	10.41	871.08	0.01
SQU-DS	2025-09-30 04:30:00	10.22	25.31	0.41	7.16	10.41	690.29	0.01
SQU-DS	2025-09-30 04:45:00	10.23	25.72	0.41	7.09	10.42	746.12	0.01
SQU-DS	2025-09-30 05:00:00	10.18	25.55	0.41	7.15	10.40	802.38	0.01
SQU-DS	2025-09-30 05:15:00	10.15	25.36	0.41	7.17	10.40	1142.00	0.01
SQU-DS	2025-09-30 05:30:00	10.14	25.72	0.41	7.06	10.40	1072.44	0.01
SQU-DS	2025-09-30 05:45:00	10.10	25.59	0.41	7.18	10.39	866.95	0.01
SQU-DS	2025-09-30 06:00:00	10.10	25.79	0.41	7.14	10.39	693.97	0.01
SQU-DS	2025-09-30 06:15:00	10.09	25.94	0.41	7.11	10.38	675.15	0.01
SQU-DS	2025-09-30 06:30:00	10.07	25.95	0.41	7.11	10.37	883.06	0.01
SQU-DS	2025-09-30 06:45:00	10.05	26.00	0.41	7.07	10.37	1936.57	0.01
SQU-DS	2025-09-30 07:00:00	10.04	26.23	0.41	7.08	10.36	1107.76	0.01
SQU-DS	2025-09-30 07:15:00	10.01	26.05	0.41	7.11	10.35	353.05	0.01
SQU-DS	2025-09-30 07:30:00	10.00	26.21	0.41	7.03	10.34	26.18	0.01
SQU-DS	2025-09-30 07:45:00	10.00	26.28	0.41	7.05	10.34	4.36	0.01
SQU-DS	2025-09-30 08:00:00	9.97	26.16	0.42	7.01	10.33	2.62	0.01
SQU-DS	2025-09-30 08:15:00	9.96	26.17	0.42	7.07	10.32	1.77	0.01
SQU-DS	2025-09-30 08:30:00	9.98	26.57	0.42	7.08	10.30	1.15	0.01
SQU-DS	2025-09-30 08:45:00	9.98	26.33	0.42	7.10	10.30	0.80	0.01
SQU-DS	2025-09-30 09:00:00	9.97	25.78	0.43	7.10	10.28	0.78	0.01
SQU-DS	2025-09-30 09:15:00	9.98	25.23	0.43	7.06	10.26	0.69	0.01
SQU-DS	2025-09-30 09:30:00	9.99	24.44	0.43	7.11	10.27	0.92	0.01
SQU-DS	2025-09-30 09:45:00	10.00	24.49	0.43	7.13	10.18	4.70	0.01
SQU-DS	2025-09-30 10:00:00	10.02	27.61	0.44	7.09	10.26	559.01	0.01
SQU-DS	2025-09-30 10:15:00	10.02	27.83	0.43	7.14	10.25	621.92	0.01
SQU-DS	2025-09-30 10:30:00	10.05	28.15	0.44	7.11	10.24	683.85	0.01
SQU-DS	2025-09-30 10:45:00	10.05	28.09	0.43	7.12	10.23	1187.96	0.01
SQU-DS	2025-09-30 11:00:00	10.06	28.76	0.43	7.19	10.24	1902.77	0.01
SQU-DS	2025-09-30 11:15:00	10.09	28.72	0.43	7.23	10.23	12.08	0.01
SQU-DS	2025-09-30 11:30:00	10.14	28.64	0.43	7.21	10.23	8.04	0.01
SQU-DS	2025-09-30 11:45:00	10.17	27.87	0.43	7.22	10.22	6.71	0.01
SQU-DS	2025-09-30 12:00:00	10.21	27.47	0.44	7.20	10.17	6.25	0.01
SQU-DS	2025-09-30 12:15:00	10.26	27.92	0.44	7.19	10.03	6.16	0.01
SQU-DS	2025-09-30 12:30:00	10.33	27.23	0.44	7.16	9.86	5.90	0.01
SQU-DS	2025-09-30 12:45:00	10.40	26.75	0.44	7.14	9.57	5.67	0.01
SQU-DS	2025-09-30 13:00:00	10.44	26.63	0.44	7.12	9.28	5.60	0.01
SQU-DS	2025-09-30 13:15:00	10.45	25.60	0.44	7.11	8.96	5.51	0.01
SQU-DS	2025-09-30 13:30:00	10.44	24.20	0.45	7.09	8.66	5.45	0.01
SQU-DS	2025-09-30 13:45:00	10.41	23.55	0.45	7.07	8.38	5.31	0.01
SQU-DS	2025-09-30 14:00:00	10.39	23.10	0.45	7.05	8.09	4.60	0.01
SQU-DS	2025-09-30 14:15:00	10.37	22.76	0.45	7.04	7.82	4.49	0.01
SQU-DS	2025-09-30 14:30:00	10.37	22.50	0.45	7.03	7.57	4.47	0.01
SQU-DS	2025-09-30 14:45:00	10.37	22.26	0.45	7.01	7.29	4.33	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	2025-09-30 15:00:00	10.36	21.96	0.45	7.00	7.04	4.26	0.01
SQU-DS	2025-09-30 15:15:00	10.36	22.36	0.45	6.99	6.78	4.15	0.01
SQU-DS	2025-09-30 15:30:00	10.37	22.70	0.45	6.97	6.42	4.05	0.01
SQU-DS	2025-09-30 15:45:00	10.37	23.06	0.46	6.96	6.09	4.01	0.01
SQU-DS	2025-09-30 16:00:00	10.37	23.33	0.46	6.94	5.90	4.06	0.01
SQU-DS	2025-09-30 16:15:00	10.37	23.44	0.46	6.92	5.78	4.05	0.01
SQU-DS	2025-09-30 16:30:00	10.37	23.68	0.46	6.91	5.62	4.06	0.01
SQU-DS	2025-09-30 16:45:00	10.42	30.67	0.45	7.04	8.98	377.73	0.01
SQU-DS	2025-09-30 17:00:00	10.44	30.76	0.45	7.20	10.00	277.71	0.01
SQU-DS	2025-09-30 17:15:00	10.46	31.24	0.45	7.19	9.98	230.24	0.01
SQU-DS	2025-09-30 17:30:00	10.47	30.79	0.45	7.16	9.99	51.38	0.01
SQU-DS	2025-09-30 17:45:00	10.46	30.81	0.45	7.17	9.99	0.00	0.01
SQU-DS	2025-09-30 18:00:00	10.46	30.18	0.44	7.15	9.97	0.00	0.01
SQU-DS	2025-09-30 18:15:00	10.45	28.87	0.45	7.11	9.96	0.00	0.01
SQU-DS	2025-09-30 18:30:00	10.46	29.77	0.45	7.08	9.94	0.00	0.01
SQU-DS	2025-09-30 18:45:00	10.46	29.66	0.45	7.10	9.91	0.00	0.01
SQU-DS	2025-09-30 19:00:00	10.46	29.39	0.46	7.08	9.66	0.00	0.01
SQU-DS	2025-09-30 19:15:00	10.46	27.49	0.46	7.06	9.19	0.00	0.01
SQU-DS	2025-09-30 19:30:00	10.46	26.72	0.46	7.03	8.50	0.00	0.01
SQU-DS	2025-09-30 19:45:00	10.45	27.00	0.46	7.01	7.74	0.00	0.01
SQU-DS	2025-09-30 20:00:00	10.45	27.54	0.46	6.99	6.91	0.00	0.01
SQU-DS	2025-09-30 20:15:00	10.45	28.08	0.46	6.97	6.06	0.00	0.01
SQU-DS	2025-09-30 20:30:00	10.44	28.62	0.47	6.95	5.22	0.00	0.01
SQU-DS	2025-09-30 20:45:00	10.43	29.15	0.47	6.93	4.40	0.00	0.01
SQU-DS	2025-09-30 21:00:00	10.42	29.63	0.47	6.91	3.59	0.00	0.01
SQU-DS	2025-09-30 21:15:00	10.41	30.07	0.47	6.89	2.85	0.00	0.01
SQU-DS	2025-09-30 21:30:00	10.40	30.54	0.47	6.87	2.18	0.00	0.01
SQU-DS	2025-09-30 21:45:00	10.39	30.99	0.47	6.85	1.60	0.00	0.01
SQU-DS	2025-09-30 22:00:00	10.38	31.39	0.47	6.83	1.12	0.00	0.01
SQU-DS	2025-09-30 22:15:00	10.37	31.73	0.47	6.81	0.71	0.00	0.01
SQU-DS	2025-09-30 22:30:00	10.36	32.08	0.47	6.79	0.41	0.00	0.01
SQU-DS	2025-09-30 22:45:00	10.35	32.44	0.46	6.78	0.21	0.00	0.01
SQU-DS	2025-09-30 23:00:00	10.33	32.77	0.46	6.77	0.11	0.00	0.01
SQU-DS	2025-09-30 23:15:00	10.32	33.10	0.46	6.75	0.05	0.00	0.01
SQU-DS	2025-09-30 23:30:00	10.31	33.46	0.45	6.75	0.00	0.00	0.01
SQU-DS	2025-09-30 23:45:00	10.30	33.83	0.45	6.74	0.00	0.00	0.01
SQU-DS	2025-10-01 00:00:00	10.28	34.18	0.44	6.73	0.00	0.00	0.01
SQU-DS	2025-10-01 00:15:00	10.27	34.56	0.44	6.72	0.00	0.00	0.01
SQU-DS	2025-10-01 00:30:00	10.26	34.93	0.43	6.71	0.00	0.00	0.02
SQU-DS	2025-10-01 00:45:00	10.25	35.41	0.42	6.70	0.00	0.00	0.02
SQU-DS	2025-10-01 01:00:00	10.24	35.90	0.41	6.70	0.00	0.00	0.02
SQU-DS	2025-10-01 01:15:00	10.23	36.34	0.40	6.70	0.00	0.00	0.02
SQU-DS	2025-10-01 01:30:00	10.22	36.69	0.39	6.70	0.00	0.00	0.02
SQU-DS	2025-10-01 01:45:00	10.21	37.29	0.38	6.69	0.00	0.00	0.02
SQU-DS	2025-10-01 02:00:00	10.20	37.47	0.37	6.69	0.00	0.00	0.02
SQU-DS	2025-10-01 02:15:00	10.19	37.92	0.35	6.69	0.00	0.00	0.02
SQU-DS	2025-10-01 02:30:00	10.18	38.36	0.34	6.69	0.00	0.00	0.02
SQU-DS	2025-10-01 02:45:00	10.17	38.84	0.33	6.68	0.00	0.00	0.02
SQU-DS	2025-10-01 03:00:00	10.17	39.30	0.31	6.67	0.00	0.00	0.02
SQU-DS	2025-10-01 03:15:00	10.16	39.77	0.30	6.67	0.00	0.00	0.02
SQU-DS	2025-10-01 03:30:00	10.15	40.26	0.29	6.67	0.00	0.00	0.02
SQU-DS	2025-10-01 03:45:00	10.14	40.75	0.27	6.66	0.00	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	2025-10-01 04:00:00	10.14	41.25	0.26	6.65	0.00	0.00	0.02
SQU-DS	2025-10-01 04:15:00	10.13	41.68	0.25	6.65	0.00	0.00	0.02
SQU-DS	2025-10-01 04:30:00	10.12	42.17	0.23	6.65	0.00	0.00	0.02
SQU-DS	2025-10-01 04:45:00	10.12	42.61	0.22	6.65	0.00	0.00	0.02
SQU-DS	2025-10-01 05:00:00	10.12	43.05	0.21	6.65	0.00	0.00	0.02
SQU-DS	2025-10-01 05:15:00	10.11	43.47	0.19	6.65	0.00	0.00	0.02
SQU-DS	2025-10-01 05:30:00	10.11	43.89	0.18	6.65	0.00	0.00	0.02
SQU-DS	2025-10-01 05:45:00	10.11	44.33	0.17	6.64	0.00	0.00	0.02
SQU-DS	2025-10-01 06:00:00	10.11	44.78	0.16	6.64	0.00	0.00	0.02
SQU-DS	2025-10-01 06:15:00	10.10	45.19	0.14	6.64	0.00	0.00	0.02
SQU-DS	2025-10-01 06:30:00	10.10	45.61	0.13	6.64	0.00	0.00	0.02
SQU-DS	2025-10-01 06:45:00	10.10	46.00	0.12	6.64	0.00	0.00	0.02
SQU-DS	2025-10-01 07:00:00	10.09	46.42	0.11	6.64	0.00	0.00	0.02
SQU-DS	2025-10-01 07:15:00	10.08	46.80	0.10	6.64	0.00	0.00	0.02
SQU-DS	2025-10-01 07:30:00	10.08	47.18	0.09	6.64	0.00	0.00	0.02
SQU-DS	2025-10-01 07:45:00	10.07	47.56	0.08	6.64	0.00	0.00	0.02
SQU-DS	2025-10-01 08:00:00	10.07	47.93	0.07	6.65	0.00	0.00	0.02
SQU-DS	2025-10-01 08:15:00	10.06	48.29	0.06	6.64	0.00	0.00	0.02
SQU-DS	2025-10-01 08:30:00	10.05	48.67	0.06	6.65	0.00	0.00	0.02
SQU-DS	2025-10-01 08:45:00	10.04	49.03	0.05	6.64	0.00	0.00	0.02
SQU-DS	2025-10-01 09:00:00	10.03	49.39	0.04	6.64	0.00	0.00	0.02
SQU-DS	2025-10-01 09:15:00	10.02	49.75	0.03	6.64	0.00	0.00	0.02
SQU-DS	2025-10-01 09:30:00	10.02	50.07	0.02	6.64	0.00	0.00	0.02
SQU-DS	2025-10-01 09:45:00	10.01	50.46	0.02	6.64	0.00	0.00	0.02
SQU-DS	2025-10-01 10:00:00	10.01	50.82	0.01	6.65	0.00	0.00	0.02
SQU-DS	2025-10-01 10:15:00	10.00	51.18	0.00	6.64	0.00	0.00	0.02
SQU-DS	2025-10-01 10:30:00	10.00	51.56	0.00	6.64	0.00	0.00	0.02
SQU-DS	2025-10-01 10:45:00	10.00	51.95	-0.01	6.65	0.00	0.00	0.02
SQU-DS	2025-10-01 11:00:00	9.99	52.31	-0.02	6.66	0.00	0.00	0.02
SQU-DS	2025-10-01 11:15:00	9.99	52.68	-0.02	6.66	0.00	0.00	0.02
SQU-DS	2025-10-01 11:30:00	9.99	53.06	-0.03	6.68	0.00	0.00	0.02
SQU-DS	2025-10-01 11:45:00	9.99	53.48	-0.03	6.68	0.00	0.00	0.02
SQU-DS	2025-10-01 12:00:00	10.00	53.88	-0.04	6.69	0.00	0.00	0.02
SQU-DS	2025-10-01 12:15:00	10.01	54.28	-0.04	6.69	0.00	0.00	0.02
SQU-DS	2025-10-01 12:30:00	10.01	54.67	-0.04	6.69	0.00	0.00	0.02
SQU-DS	2025-10-01 12:45:00	10.02	55.10	-0.05	6.70	0.00	0.00	0.02
SQU-DS	2025-10-01 13:00:00	10.03	55.52	-0.05	6.71	0.00	0.00	0.02
SQU-DS	2025-10-01 13:15:00	10.04	55.95	-0.06	6.71	0.00	0.00	0.03
SQU-DS	2025-10-01 13:30:00	10.05	56.47	-0.06	6.72	0.00	0.00	0.03
SQU-DS	2025-10-01 13:45:00	10.16	32.56	0.32	7.21	10.31	202.55	0.01
SQU-DS	2025-10-01 14:00:00	10.14	31.52	0.34	7.28	10.34	177.68	0.01
SQU-DS	2025-10-01 14:15:00	10.12	31.16	0.36	7.24	10.37	255.50	0.01
SQU-DS	2025-10-01 14:30:00	10.12	31.08	0.37	7.23	10.37	516.17	0.01
SQU-DS	2025-10-01 14:45:00	10.11	31.09	0.38	7.28	10.36	663.39	0.01
SQU-DS	2025-10-01 15:00:00	10.12	30.05	0.38	7.26	10.38	187.56	0.01
SQU-DS	2025-10-01 15:15:00	10.13	29.74	0.39	7.23	10.37	238.06	0.01
SQU-DS	2025-10-01 15:30:00	10.16	29.96	0.39	7.26	10.36	267.82	0.01
SQU-DS	2025-10-01 15:45:00	10.15	29.65	0.39	7.25	10.35	615.94	0.01
SQU-DS	2025-10-01 16:00:00	10.15	29.57	0.39	7.26	10.36	1025.79	0.01
SQU-DS	2025-10-01 16:15:00	10.15	29.37	0.39	7.26	10.36	1631.16	0.01
SQU-DS	2025-10-01 16:30:00	10.17	29.46	0.39	7.28	10.36	3385.84	0.01
SQU-DS	2025-10-01 16:45:00	10.18	29.45	0.40	7.23	10.36	3965.36	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	2025-10-01 17:00:00	10.18	29.38	0.39	7.24	10.37	2403.61	0.01
SQU-DS	2025-10-01 17:15:00	10.17	27.00	0.40	7.24	10.34	1205.98	0.01
SQU-DS	2025-10-01 17:30:00	10.18	27.05	0.40	7.26	10.35	1462.76	0.01
SQU-DS	2025-10-01 17:45:00	10.20	27.51	0.40	7.24	10.36	1467.28	0.01
SQU-DS	2025-10-01 18:00:00	10.21	27.66	0.40	7.25	10.38	1165.95	0.01
SQU-DS	2025-10-01 18:15:00	10.21	27.66	0.40	7.27	10.38	344.62	0.01
SQU-DS	2025-10-01 18:30:00	10.20	27.36	0.40	7.24	10.39	342.71	0.01
SQU-DS	2025-10-01 18:45:00	10.20	27.22	0.40	7.26	10.36	326.60	0.01
SQU-DS	2025-10-01 19:00:00	10.20	26.90	0.40	7.21	10.36	207.64	0.01
SQU-DS	2025-10-01 19:15:00	10.19	26.56	0.40	7.23	10.35	198.29	0.01
SQU-DS	2025-10-01 19:30:00	10.19	26.43	0.40	7.22	10.35	194.11	0.01
SQU-DS	2025-10-01 19:45:00	10.18	26.21	0.40	7.23	10.18	189.27	0.01
SQU-DS	2025-10-01 20:00:00	10.17	26.33	0.41	7.19	9.25	187.17	0.01
SQU-DS	2025-10-01 20:15:00	10.17	26.45	0.41	7.20	10.20	183.59	0.01
SQU-DS	2025-10-01 20:30:00	10.17	26.52	0.41	7.21	10.25	180.81	0.01
SQU-DS	2025-10-01 20:45:00	10.16	26.63	0.41	7.21	10.32	177.17	0.01
SQU-DS	2025-10-01 21:00:00	10.15	25.80	0.41	7.18	10.32	175.61	0.01
SQU-DS	2025-10-01 21:15:00	10.14	25.07	0.41	7.13	10.24	174.90	0.01
SQU-DS	2025-10-01 21:30:00	10.13	24.09	0.42	7.19	10.25	171.90	0.01
SQU-DS	2025-10-01 21:45:00	10.12	24.34	0.41	7.15	10.11	170.26	0.01
SQU-DS	2025-10-01 22:00:00	10.11	24.88	0.41	7.16	9.58	169.12	0.01
SQU-DS	2025-10-01 22:15:00	10.10	23.84	0.41	7.16	9.88	168.88	0.01
SQU-DS	2025-10-01 22:30:00	10.09	23.87	0.41	7.14	9.80	168.16	0.01
SQU-DS	2025-10-01 22:45:00	10.08	24.01	0.41	7.17	9.58	167.79	0.01
SQU-DS	2025-10-01 23:00:00	10.07	24.66	0.41	7.16	9.35	166.38	0.01
SQU-DS	2025-10-01 23:15:00	10.07	25.10	0.42	7.13	9.19	166.11	0.01
SQU-DS	2025-10-01 23:30:00	10.06	25.65	0.41	7.17	8.96	165.74	0.01
SQU-DS	2025-10-01 23:45:00	10.05	25.74	0.42	7.16	8.66	165.06	0.01
SQU-DS	2025-10-02 00:00:00	10.04	25.67	0.42	7.14	8.42	165.11	0.01
SQU-DS	2025-10-02 00:15:00	10.03	26.38	0.42	7.17	8.15	164.22	0.01
SQU-DS	2025-10-02 00:30:00	10.02	26.37	0.42	7.14	7.96	163.64	0.01
SQU-DS	2025-10-02 00:45:00	10.02	26.51	0.42	7.16	7.90	162.80	0.01
SQU-DS	2025-10-02 01:00:00	10.01	26.67	0.42	7.17	7.71	162.80	0.01
SQU-DS	2025-10-02 01:15:00	10.00	26.76	0.42	7.20	7.51	161.71	0.01
SQU-DS	2025-10-02 01:30:00	10.00	26.98	0.42	7.16	7.44	160.66	0.01
SQU-DS	2025-10-02 01:45:00	10.00	27.18	0.41	7.18	7.23	158.42	0.01
SQU-DS	2025-10-02 02:00:00	10.00	27.38	0.40	7.12	7.31	159.40	0.01
SQU-DS	2025-10-02 02:15:00	9.99	27.65	0.39	7.19	7.59	159.05	0.01
SQU-DS	2025-10-02 02:30:00	9.99	27.88	0.39	7.17	7.20	158.24	0.01
SQU-DS	2025-10-02 02:45:00	9.99	28.10	0.38	7.13	6.74	157.50	0.01
SQU-DS	2025-10-02 03:00:00	9.99	28.33	0.38	7.15	6.79	155.11	0.01
SQU-DS	2025-10-02 03:15:00	10.00	28.52	0.38	7.15	6.51	154.26	0.01
SQU-DS	2025-10-02 03:30:00	10.01	28.78	0.38	7.15	6.67	156.14	0.01
SQU-DS	2025-10-02 03:45:00	10.01	29.02	0.38	7.22	6.99	154.30	0.01
SQU-DS	2025-10-02 04:00:00	10.02	29.23	0.38	7.26	6.87	153.38	0.01
SQU-DS	2025-10-02 04:15:00	10.03	29.47	0.38	7.21	6.93	153.00	0.01
SQU-DS	2025-10-02 04:30:00	10.03	29.69	0.40	7.20	6.29	152.34	0.01
SQU-DS	2025-10-02 04:45:00	10.04	29.87	0.40	7.23	6.07	151.08	0.01
SQU-DS	2025-10-02 05:00:00	10.05	30.04	0.40	7.25	6.09	147.09	0.01
SQU-DS	2025-10-02 05:15:00	10.06	30.29	0.40	7.23	6.57	145.00	0.01
SQU-DS	2025-10-02 05:30:00	10.06	31.36	0.40	7.24	10.24	143.15	0.01
SQU-DS	2025-10-02 05:45:00	10.06	32.07	0.40	7.20	10.42	114.10	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	2025-10-02 06:00:00	10.06	32.50	0.40	7.22	10.55	116.87	0.01
SQU-DS	2025-10-02 06:15:00	10.05	31.56	0.39	7.23	10.60	79.26	0.01
SQU-DS	2025-10-02 06:30:00	10.05	28.18	0.40	7.22	10.64	73.21	0.01
SQU-DS	2025-10-02 06:45:00	10.04	25.05	0.40	7.26	10.65	64.17	0.01
SQU-DS	2025-10-02 07:00:00	10.04	25.18	0.40	7.19	10.67	55.46	0.01
SQU-DS	2025-10-02 07:15:00	10.04	24.67	0.40	7.19	10.71	54.12	0.01
SQU-DS	2025-10-02 07:30:00	10.04	24.96	0.41	7.20	10.57	53.01	0.01
SQU-DS	2025-10-02 07:45:00	10.04	26.15	0.40	7.34	10.18	51.89	0.01
SQU-DS	2025-10-02 08:00:00	10.04	26.41	0.40	7.36	10.03	51.28	0.01
SQU-DS	2025-10-02 08:15:00	10.04	26.33	0.41	7.36	9.86	51.14	0.01
SQU-DS	2025-10-02 08:30:00	10.04	26.21	0.41	7.37	9.65	50.83	0.01
SQU-DS	2025-10-02 08:45:00	10.04	26.46	0.41	7.38	9.45	50.92	0.01
SQU-DS	2025-10-02 09:00:00	10.04	26.49	0.41	7.38	9.27	50.80	0.01
SQU-DS	2025-10-02 09:15:00	10.03	26.57	0.41	7.37	9.04	49.64	0.01
SQU-DS	2025-10-02 09:30:00	10.03	26.63	0.41	7.36	8.92	48.78	0.01
SQU-DS	2025-10-02 09:45:00	10.03	27.03	0.41	7.36	8.78	48.59	0.01
SQU-DS	2025-10-02 10:00:00	10.03	27.45	0.41	7.35	8.66	48.54	0.01
SQU-DS	2025-10-02 10:15:00	10.03	27.55	0.41	7.34	8.53	48.52	0.01
SQU-DS	2025-10-02 10:30:00	10.03	27.70	0.41	7.33	8.42	48.39	0.01
SQU-DS	2025-10-02 10:45:00	10.02	27.93	0.41	7.31	8.31	48.37	0.01
SQU-DS	2025-10-02 11:00:00	10.01	28.44	0.40	7.30	8.20	48.37	0.01
SQU-DS	2025-10-02 11:15:00	10.00	27.88	0.40	7.29	8.15	48.32	0.01
SQU-DS	2025-10-02 11:30:00	9.99	27.92	0.40	7.27	8.04	48.25	0.01
SQU-DS	2025-10-02 11:45:00	9.98	28.21	0.40	7.25	8.04	48.24	0.01
SQU-DS	2025-10-02 12:00:00	9.98	28.16	0.40	7.23	7.96	48.24	0.01
SQU-DS	2025-10-02 12:15:00	9.99	28.49	0.39	7.21	7.86	48.07	0.01
SQU-DS	2025-10-02 12:30:00	9.99	28.46	0.39	7.20	7.80	48.11	0.01
SQU-DS	2025-10-02 12:45:00	10.00	28.61	0.39	7.19	7.59	47.27	0.01
SQU-DS	2025-10-02 13:00:00	10.00	28.58	0.39	7.18	7.46	47.24	0.01
SQU-DS	2025-10-02 13:15:00	10.00	28.75	0.39	7.17	7.33	47.24	0.01
SQU-DS	2025-10-02 13:30:00	10.00	28.78	0.39	7.16	7.21	47.39	0.01
SQU-DS	2025-10-02 13:45:00	10.01	29.34	0.39	7.15	7.10	47.46	0.01
SQU-DS	2025-10-02 14:00:00	10.03	29.21	0.39	7.14	6.94	47.39	0.01
SQU-DS	2025-10-02 14:15:00	10.05	29.19	0.38	7.13	6.77	47.21	0.01
SQU-DS	2025-10-02 14:30:00	10.06	29.65	0.38	7.13	6.62	47.10	0.01
SQU-DS	2025-10-02 14:45:00	10.06	29.76	0.38	7.11	6.46	47.05	0.01
SQU-DS	2025-10-02 15:00:00	10.07	29.37	0.38	7.10	6.33	47.02	0.01
SQU-DS	2025-10-02 15:15:00	10.08	30.16	0.38	7.09	6.16	46.99	0.01
SQU-DS	2025-10-02 15:30:00	10.09	30.20	0.38	7.08	6.02	47.00	0.01
SQU-DS	2025-10-02 15:45:00	10.10	29.86	0.38	7.07	5.86	43.50	0.01
SQU-DS	2025-10-02 16:00:00	10.10	29.26	0.38	7.06	5.72	43.34	0.01
SQU-DS	2025-10-02 16:15:00	10.11	29.36	0.38	7.05	5.60	42.97	0.01
SQU-DS	2025-10-02 16:30:00	10.12	29.43	0.38	7.04	5.47	42.91	0.01
SQU-DS	2025-10-02 16:45:00	10.14	29.57	0.38	7.03	5.34	42.91	0.01
SQU-DS	2025-10-02 17:00:00	10.16	29.67	0.37	7.02	5.22	42.78	0.01
SQU-DS	2025-10-02 17:15:00	10.18	29.81	0.37	7.01	5.06	42.77	0.01
SQU-DS	2025-10-02 17:30:00	10.21	30.22	0.37	7.01	4.89	42.67	0.01
SQU-DS	2025-10-02 17:45:00	10.24	30.73	0.37	7.00	4.71	42.66	0.01
SQU-DS	2025-10-02 18:00:00	10.25	30.68	0.37	6.99	4.32	42.55	0.01
SQU-DS	2025-10-02 18:15:00	10.26	30.77	0.37	6.98	4.29	42.13	0.01
SQU-DS	2025-10-02 18:30:00	10.25	29.64	0.37	6.97	4.20	41.92	0.01
SQU-DS	2025-10-02 18:45:00	10.24	30.41	0.37	6.97	4.08	42.04	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	2025-10-02 19:00:00	10.22	29.80	0.37	6.96	4.02	41.80	0.01
SQU-DS	2025-10-02 19:15:00	10.20	29.92	0.37	6.96	3.92	55.30	0.01
SQU-DS	2025-10-02 19:30:00	10.18	30.14	0.37	6.95	3.83	56.35	0.01
SQU-DS	2025-10-02 19:45:00	10.16	30.24	0.37	6.94	3.73	55.37	0.01
SQU-DS	2025-10-02 20:00:00	10.14	30.32	0.37	6.93	3.67	53.66	0.01
SQU-DS	2025-10-02 20:15:00	10.12	30.41	0.37	6.92	3.60	53.29	0.01
SQU-DS	2025-10-02 20:30:00	10.09	30.18	0.36	6.92	3.55	53.04	0.01
SQU-DS	2025-10-02 20:45:00	10.07	30.69	0.36	6.91	3.50	52.70	0.01
SQU-DS	2025-10-02 21:00:00	10.05	30.24	0.36	6.91	3.44	52.83	0.01
SQU-DS	2025-10-02 21:15:00	10.04	30.78	0.36	6.90	3.35	53.90	0.01
SQU-DS	2025-10-02 21:30:00	10.03	31.73	0.36	6.90	3.25	52.51	0.01
SQU-DS	2025-10-02 21:45:00	10.02	31.05	0.36	6.89	3.15	51.58	0.01
SQU-DS	2025-10-02 22:00:00	10.00	31.83	0.36	6.88	3.08	51.68	0.01
SQU-DS	2025-10-02 22:15:00	9.98	31.08	0.36	6.88	2.99	51.62	0.01
SQU-DS	2025-10-02 22:30:00	9.97	31.03	0.36	6.87	2.89	51.49	0.01
SQU-DS	2025-10-02 22:45:00	9.94	31.15	0.36	6.88	2.79	51.41	0.01
SQU-DS	2025-10-02 23:00:00	9.93	31.32	0.35	6.86	2.69	51.29	0.01
SQU-DS	2025-10-02 23:15:00	9.91	31.42	0.35	6.86	2.61	50.39	0.01
SQU-DS	2025-10-02 23:30:00	9.89	31.47	0.35	6.86	2.54	50.53	0.01
SQU-DS	2025-10-02 23:45:00	9.87	31.58	0.35	6.85	2.51	49.91	0.01
SQU-DS	2025-10-03 00:00:00	9.86	31.73	0.35	6.85	2.42	49.76	0.01
SQU-DS	2025-10-03 00:15:00	9.84	31.89	0.35	6.84	2.40	49.75	0.01
SQU-DS	2025-10-03 00:30:00	9.82	31.81	0.35	6.84	2.35	49.71	0.01
SQU-DS	2025-10-03 00:45:00	9.80	31.95	0.35	6.84	2.24	49.71	0.01
SQU-DS	2025-10-03 01:00:00	9.78	32.02	0.35	6.84	2.16	49.74	0.01
SQU-DS	2025-10-03 01:15:00	9.76	32.15	0.35	6.84	2.10	49.67	0.01
SQU-DS	2025-10-03 01:30:00	9.74	32.27	0.34	6.84	2.05	49.69	0.01
SQU-DS	2025-10-03 01:45:00	9.72	32.46	0.34	6.84	2.00	49.57	0.01
SQU-DS	2025-10-03 02:00:00	9.69	32.50	0.34	6.85	1.94	49.63	0.01
SQU-DS	2025-10-03 02:15:00	9.67	32.46	0.34	6.84	1.91	49.57	0.01
SQU-DS	2025-10-03 02:30:00	9.65	32.56	0.34	6.84	1.86	49.57	0.01
SQU-DS	2025-10-03 02:45:00	9.62	32.68	0.34	6.84	1.81	49.55	0.01
SQU-DS	2025-10-03 03:00:00	9.60	32.66	0.34	6.84	1.76	49.57	0.01
SQU-DS	2025-10-03 03:15:00	9.57	32.77	0.34	6.84	1.72	50.43	0.01
SQU-DS	2025-10-03 03:30:00	9.55	32.91	0.33	6.84	1.69	50.01	0.01
SQU-DS	2025-10-03 03:45:00	9.52	33.02	0.33	6.84	1.65	50.04	0.01
SQU-DS	2025-10-03 04:00:00	9.49	33.16	0.33	6.84	1.60	50.04	0.01
SQU-DS	2025-10-03 04:15:00	9.47	33.32	0.33	6.84	1.57	49.85	0.01
SQU-DS	2025-10-03 04:30:00	9.45	33.24	0.33	6.85	1.54	49.78	0.01
SQU-DS	2025-10-03 04:45:00	9.43	33.34	0.33	6.85	1.50	49.59	0.01
SQU-DS	2025-10-03 05:00:00	9.41	33.43	0.33	6.84	1.48	49.62	0.01
SQU-DS	2025-10-03 05:15:00	9.39	33.52	0.33	6.83	1.48	49.64	0.01
SQU-DS	2025-10-03 05:30:00	9.36	33.61	0.33	6.83	1.48	49.60	0.01
SQU-DS	2025-10-03 05:45:00	9.35	33.76	0.33	6.83	1.48	49.62	0.01
SQU-DS	2025-10-03 06:00:00	9.32	33.83	0.33	6.84	1.48	49.65	0.01
SQU-DS	2025-10-03 06:15:00	9.30	33.96	0.33	6.84	1.45	49.64	0.01
SQU-DS	2025-10-03 06:30:00	9.28	34.09	0.33	6.83	1.45	49.69	0.01
SQU-DS	2025-10-03 06:45:00	9.26	34.23	0.32	6.82	1.45	49.69	0.01
SQU-DS	2025-10-03 07:00:00	9.24	34.38	0.32	6.82	1.45	49.68	0.01
SQU-DS	2025-10-03 07:15:00	9.21	34.49	0.32	6.82	1.42	49.68	0.01
SQU-DS	2025-10-03 07:30:00	9.19	34.66	0.32	6.82	1.42	49.71	0.01
SQU-DS	2025-10-03 07:45:00	9.17	34.78	0.32	6.82	1.40	49.67	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	2025-10-03 08:00:00	9.15	34.86	0.32	6.83	1.38	49.74	0.01
SQU-DS	2025-10-03 08:15:00	9.14	35.00	0.32	6.83	1.38	49.74	0.02
SQU-DS	2025-10-03 08:30:00	9.13	35.15	0.32	6.83	1.37	49.75	0.02
SQU-DS	2025-10-03 08:45:00	9.12	35.29	0.31	6.82	1.35	49.75	0.02
SQU-DS	2025-10-03 09:00:00	9.13	35.43	0.31	6.82	1.33	49.69	0.02
SQU-DS	2025-10-03 09:15:00	9.15	35.55	0.31	6.82	1.32	49.69	0.02
SQU-DS	2025-10-03 09:30:00	9.16	35.70	0.31	6.82	1.32	49.66	0.02
SQU-DS	2025-10-03 09:45:00	9.17	35.76	0.31	6.84	1.31	49.61	0.02
SQU-DS	2025-10-03 10:00:00	9.18	35.95	0.31	6.84	1.31	49.56	0.02
SQU-DS	2025-10-03 10:15:00	9.19	37.52	0.31	6.83	1.32	49.57	0.02
SQU-DS	2025-10-03 10:30:00	9.20	36.22	0.31	6.84	1.29	49.53	0.02
SQU-DS	2025-10-03 10:45:00	9.22	36.60	0.31	6.84	1.30	49.48	0.02
SQU-DS	2025-10-03 11:00:00	9.23	36.74	0.30	6.83	1.29	49.44	0.02
SQU-DS	2025-10-03 11:15:00	9.25	36.89	0.30	6.83	1.30	49.41	0.02
SQU-DS	2025-10-03 11:30:00	9.28	37.03	0.30	6.83	1.31	49.41	0.02
SQU-DS	2025-10-03 11:45:00	9.31	37.20	0.30	6.83	1.30	49.36	0.02
SQU-DS	2025-10-03 12:00:00	9.38	30.31	0.34	7.17	10.30	81.69	0.01
SQU-DS	2025-10-03 12:15:00	9.37	30.52	0.36	7.13	10.39	90.46	0.01
SQU-DS	2025-10-03 12:30:00	9.38	30.51	0.37	7.03	10.38	103.68	0.01
SQU-DS	2025-10-03 12:45:00	9.42	30.56	0.38	7.11	10.38	69.15	0.01
SQU-DS	2025-10-03 13:00:00	9.44	30.76	0.38	7.16	10.37	123.27	0.01
SQU-DS	2025-10-03 13:15:00	9.46	30.79	0.38	7.11	10.36	80.32	0.01
SQU-DS	2025-10-03 13:30:00	9.50	31.15	0.38	7.06	10.36	90.97	0.01
SQU-DS	2025-10-03 13:45:00	9.51	30.74	0.38	7.13	10.37	86.97	0.01
SQU-DS	2025-10-03 14:00:00	9.53	30.90	0.39	7.17	10.35	89.35	0.01
SQU-DS	2025-10-03 14:15:00	9.56	30.87	0.39	7.10	10.36	93.72	0.01
SQU-DS	2025-10-03 14:30:00	9.56	30.86	0.40	7.15	10.36	68.17	0.01
SQU-DS	2025-10-03 14:45:00	9.56	31.00	0.40	7.10	10.37	84.77	0.01
SQU-DS	2025-10-03 15:00:00	9.57	31.08	0.41	7.19	10.38	90.72	0.01
SQU-DS	2025-10-03 15:15:00	9.58	31.41	0.41	7.20	10.37	81.19	0.01
SQU-DS	2025-10-03 15:30:00	9.60	31.71	0.41	7.19	10.37	130.83	0.01
SQU-DS	2025-10-03 15:45:00	9.62	31.72	0.41	7.23	10.35	111.00	0.01
SQU-DS	2025-10-03 16:00:00	9.64	31.92	0.41	7.22	10.36	87.39	0.01
SQU-DS	2025-10-03 16:15:00	9.66	32.09	0.42	7.18	10.35	96.08	0.01
SQU-DS	2025-10-03 16:30:00	9.69	32.31	0.42	7.19	10.33	89.33	0.01
SQU-DS	2025-10-03 16:45:00	9.70	32.51	0.42	7.15	10.33	99.29	0.01
SQU-DS	2025-10-03 17:00:00	9.74	32.72	0.42	7.22	10.33	98.66	0.01
SQU-DS	2025-10-03 17:15:00	9.77	32.93	0.42	7.20	10.32	92.20	0.01
SQU-DS	2025-10-03 17:30:00	9.79	33.37	0.42	7.20	10.28	100.74	0.01
SQU-DS	2025-10-03 17:45:00	9.81	33.69	0.42	7.18	10.25	108.26	0.01
SQU-DS	2025-10-03 18:00:00	9.81	33.69	0.42	7.16	10.25	90.39	0.01
SQU-DS	2025-10-03 18:15:00	9.83	34.28	0.41	7.15	10.19	85.85	0.01
SQU-DS	2025-10-03 18:30:00	9.83	34.23	0.41	7.12	10.21	112.43	0.01
SQU-DS	2025-10-03 18:45:00	9.84	34.23	0.41	7.13	10.21	113.42	0.01
SQU-DS	2025-10-03 19:00:00	9.84	34.36	0.41	7.10	10.18	117.74	0.01
SQU-DS	2025-10-03 19:15:00	9.84	34.55	0.41	7.08	10.15	61.71	0.01
SQU-DS	2025-10-03 19:30:00	9.86	34.72	0.41	7.09	10.16	7.50	0.01
SQU-DS	2025-10-03 19:45:00	9.86	34.39	0.41	7.04	10.17	0.38	0.01
SQU-DS	2025-10-03 20:00:00	9.88	34.36	0.42	7.09	10.14	0.36	0.01
SQU-DS	2025-10-03 20:15:00	9.89	34.48	0.42	7.17	10.15	0.24	0.01
SQU-DS	2025-10-03 20:30:00	9.90	34.12	0.42	7.24	10.16	0.17	0.01
SQU-DS	2025-10-03 20:45:00	9.91	33.86	0.42	7.25	10.14	0.16	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	2025-10-03 21:00:00	9.91	33.82	0.42	7.25	10.15	0.18	0.01
SQU-DS	2025-10-03 21:15:00	9.90	33.29	0.43	7.25	10.18	0.09	0.01
SQU-DS	2025-10-03 21:30:00	9.90	32.51	0.43	7.25	10.17	0.06	0.01
SQU-DS	2025-10-03 21:45:00	9.90	31.80	0.43	7.24	10.18	0.02	0.01
SQU-DS	2025-10-03 22:00:00	9.89	32.79	0.43	7.23	10.15	0.00	0.01
SQU-DS	2025-10-03 22:15:00	9.89	31.87	0.43	7.22	10.11	0.00	0.01
SQU-DS	2025-10-03 22:30:00	9.88	28.93	0.44	7.20	10.11	0.00	0.01
SQU-DS	2025-10-03 22:45:00	9.88	27.14	0.44	7.18	10.05	0.00	0.01
SQU-DS	2025-10-03 23:00:00	9.88	25.78	0.44	7.15	9.91	0.00	0.01
SQU-DS	2025-10-03 23:15:00	9.88	25.91	0.44	7.13	9.71	0.00	0.01
SQU-DS	2025-10-03 23:30:00	9.88	23.67	0.44	7.11	9.57	0.00	0.01
SQU-DS	2025-10-03 23:45:00	9.89	21.28	0.45	7.08	9.38	0.00	0.01
SQU-DS	2025-10-04 00:00:00	9.89	20.73	0.45	7.04	9.21	0.00	0.01
SQU-DS	2025-10-04 00:15:00	9.89	20.15	0.45	7.00	9.08	0.00	0.01
SQU-DS	2025-10-04 00:30:00	9.89	19.99	0.45	6.96	8.98	0.00	0.01
SQU-DS	2025-10-04 00:45:00	9.89	19.97	0.45	6.93	8.88	0.00	0.01
SQU-DS	2025-10-04 01:00:00	9.89	19.87	0.45	6.89	8.56	0.00	0.01
SQU-DS	2025-10-04 01:15:00	9.88	19.98	0.45	6.89	8.52	0.00	0.01
SQU-DS	2025-10-04 01:30:00	9.88	20.22	0.45	6.87	8.45	0.00	0.01
SQU-DS	2025-10-04 01:45:00	9.88	20.36	0.45	6.86	8.38	0.00	0.01
SQU-DS	2025-10-04 02:00:00	9.87	20.53	0.46	6.85	8.32	0.00	0.01
SQU-DS	2025-10-04 02:15:00	9.86	20.67	0.46	6.84	8.25	0.00	0.01
SQU-DS	2025-10-04 02:30:00	9.85	20.84	0.46	6.84	8.17	0.00	0.01
SQU-DS	2025-10-04 02:45:00	9.84	21.00	0.46	6.84	8.07	0.00	0.01
SQU-DS	2025-10-04 03:00:00	9.83	21.19	0.46	6.85	7.96	0.00	0.01
SQU-DS	2025-10-04 03:15:00	9.82	21.39	0.46	6.86	7.84	0.00	0.01
SQU-DS	2025-10-04 03:30:00	9.81	21.54	0.46	6.85	7.74	0.00	0.01
SQU-DS	2025-10-04 03:45:00	9.81	21.70	0.46	6.85	7.63	0.00	0.01
SQU-DS	2025-10-04 04:00:00	9.80	21.87	0.46	6.85	7.53	0.00	0.01
SQU-DS	2025-10-04 04:15:00	9.79	22.00	0.46	6.84	7.44	0.00	0.01
SQU-DS	2025-10-04 04:30:00	9.78	22.10	0.46	6.83	7.36	0.00	0.01
SQU-DS	2025-10-04 04:45:00	9.77	22.28	0.47	6.82	7.28	0.00	0.01
SQU-DS	2025-10-04 05:00:00	9.77	22.42	0.47	6.81	7.19	0.00	0.01
SQU-DS	2025-10-04 05:15:00	9.75	22.57	0.47	6.81	7.11	0.00	0.01
SQU-DS	2025-10-04 05:30:00	9.74	22.67	0.47	6.79	7.04	0.00	0.01
SQU-DS	2025-10-04 05:45:00	9.73	22.79	0.47	6.77	6.97	0.00	0.01
SQU-DS	2025-10-04 06:00:00	9.72	22.87	0.47	6.76	6.91	0.00	0.01
SQU-DS	2025-10-04 06:15:00	9.72	23.01	0.47	6.75	6.85	0.00	0.01
SQU-DS	2025-10-04 06:30:00	9.71	23.09	0.47	6.73	6.81	0.00	0.01
SQU-DS	2025-10-04 06:45:00	9.71	23.16	0.47	6.72	6.76	0.00	0.01
SQU-DS	2025-10-04 07:00:00	9.71	23.23	0.47	6.71	6.76	0.00	0.01
SQU-DS	2025-10-04 07:15:00	9.70	23.26	0.47	6.70	6.75	0.00	0.01
SQU-DS	2025-10-04 07:30:00	9.70	23.19	0.47	6.68	6.78	0.00	0.01
SQU-DS	2025-10-04 07:45:00	9.70	23.19	0.47	6.68	6.76	0.00	0.01
SQU-DS	2025-10-04 08:00:00	9.69	23.16	0.47	6.69	6.75	0.00	0.01
SQU-DS	2025-10-04 08:15:00	9.69	23.13	0.47	6.71	6.74	0.00	0.01
SQU-DS	2025-10-04 08:30:00	9.68	23.13	0.47	6.73	6.76	0.00	0.01
SQU-DS	2025-10-04 08:45:00	9.68	23.15	0.47	6.75	6.79	0.00	0.01
SQU-DS	2025-10-04 09:00:00	9.68	23.17	0.47	6.77	6.80	0.00	0.01
SQU-DS	2025-10-04 09:15:00	9.69	23.07	0.47	6.78	6.84	0.00	0.01
SQU-DS	2025-10-04 09:30:00	9.70	22.90	0.47	6.79	6.92	0.00	0.01
SQU-DS	2025-10-04 09:45:00	9.71	22.75	0.47	6.79	6.95	0.00	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	2025-10-04 10:00:00	9.73	22.39	0.47	6.78	7.04	0.00	0.01
SQU-DS	2025-10-04 10:15:00	9.75	22.25	0.47	6.80	7.04	0.00	0.01
SQU-DS	2025-10-04 10:30:00	9.77	22.12	0.47	6.83	7.03	0.00	0.01
SQU-DS	2025-10-04 10:45:00	9.80	21.96	0.47	6.86	7.02	0.00	0.01
SQU-DS	2025-10-04 11:00:00	9.82	21.93	0.47	6.89	6.98	0.00	0.01
SQU-DS	2025-10-04 11:15:00	9.84	21.92	0.47	6.91	6.94	0.00	0.01
SQU-DS	2025-10-04 11:30:00	9.87	21.95	0.47	6.93	6.90	0.00	0.01
SQU-DS	2025-10-04 11:45:00	9.92	21.98	0.47	6.94	6.85	0.00	0.01
SQU-DS	2025-10-04 12:00:00	10.05	37.23	0.46	7.13	9.89	59.38	0.02
SQU-DS	2025-10-04 12:15:00	10.13	37.05	0.44	7.15	10.13	55.90	0.02
SQU-DS	2025-10-04 12:30:00	10.16	37.11	0.44	7.18	10.12	52.90	0.02
SQU-DS	2025-10-04 12:45:00	10.19	36.93	0.44	7.14	10.14	76.72	0.02
SQU-DS	2025-10-04 13:00:00	10.24	36.72	0.43	7.17	10.13	63.01	0.02
SQU-DS	2025-10-04 13:15:00	10.29	37.03	0.43	7.16	10.12	65.89	0.02
SQU-DS	2025-10-04 13:30:00	10.34	37.26	0.43	7.17	10.10	57.24	0.02
SQU-DS	2025-10-04 13:45:00	10.38	37.13	0.43	7.19	10.11	56.28	0.02
SQU-DS	2025-10-04 14:00:00	10.41	37.15	0.43	7.19	10.09	52.86	0.02
SQU-DS	2025-10-04 14:15:00	10.44	37.14	0.44	7.20	10.07	57.90	0.02
SQU-DS	2025-10-04 14:30:00	10.48	37.12	0.44	7.17	10.09	40.17	0.02
SQU-DS	2025-10-04 14:45:00	10.50	37.07	0.43	7.21	10.13	53.36	0.02
SQU-DS	2025-10-04 15:00:00	10.52	37.05	0.43	7.15	10.13	67.53	0.02
SQU-DS	2025-10-04 15:15:00	10.54	36.92	0.43	7.24	10.12	39.12	0.02
SQU-DS	2025-10-04 15:30:00	10.56	36.97	0.43	7.23	10.12	58.12	0.02
SQU-DS	2025-10-04 15:45:00	10.57	37.08	0.43	7.13	10.15	52.40	0.02
SQU-DS	2025-10-04 16:00:00	10.58	37.20	0.43	7.18	10.15	45.59	0.02
SQU-DS	2025-10-04 16:15:00	10.58	37.18	0.43	7.18	10.16	40.92	0.02
SQU-DS	2025-10-04 16:30:00	10.57	37.32	0.42	7.22	10.15	43.22	0.02
SQU-DS	2025-10-04 16:45:00	10.55	37.31	0.42	7.24	10.15	52.52	0.02
SQU-DS	2025-10-04 17:00:00	10.52	37.66	0.43	7.21	10.14	38.91	0.02
SQU-DS	2025-10-04 17:15:00	10.46	37.77	0.43	7.24	10.12	45.90	0.02
SQU-DS	2025-10-04 17:30:00	10.42	38.40	0.43	7.26	10.11	50.20	0.02
SQU-DS	2025-10-04 17:45:00	10.36	38.93	0.43	7.24	10.12	45.52	0.02
SQU-DS	2025-10-04 18:00:00	10.32	40.14	0.43	7.17	10.09	52.56	0.02
SQU-DS	2025-10-04 18:15:00	10.30	40.32	0.41	7.16	10.06	47.95	0.02
SQU-DS	2025-10-04 18:30:00	10.28	40.37	0.41	7.18	10.05	50.70	0.02
SQU-DS	2025-10-04 18:45:00	10.25	39.88	0.41	7.22	10.06	49.08	0.02
SQU-DS	2025-10-04 19:00:00	10.25	40.06	0.42	7.21	10.04	50.88	0.02
SQU-DS	2025-10-04 19:15:00	10.25	39.75	0.42	7.19	10.02	45.99	0.02
SQU-DS	2025-10-04 19:30:00	10.24	39.72	0.43	7.19	10.02	48.22	0.02
SQU-DS	2025-10-04 19:45:00	10.24	40.05	0.43	7.17	10.01	53.11	0.02
SQU-DS	2025-10-04 20:00:00	10.23	40.03	0.43	7.09	9.97	56.04	0.02
SQU-DS	2025-10-04 20:15:00	10.23	39.66	0.44	7.11	9.99	50.91	0.02
SQU-DS	2025-10-04 20:30:00	10.24	39.60	0.44	7.07	9.97	61.75	0.02
SQU-DS	2025-10-04 20:45:00	10.25	39.07	0.44	7.08	10.00	58.78	0.02
SQU-DS	2025-10-04 21:00:00	10.25	38.93	0.44	7.14	10.00	79.93	0.02
SQU-DS	2025-10-04 21:15:00	10.24	38.60	0.44	7.16	9.99	71.66	0.02
SQU-DS	2025-10-04 21:30:00	10.24	37.76	0.44	7.08	10.00	69.55	0.02
SQU-DS	2025-10-04 21:45:00	10.23	37.55	0.44	7.15	9.99	58.32	0.02
SQU-DS	2025-10-04 22:00:00	10.23	37.08	0.44	7.15	10.01	61.49	0.02
SQU-DS	2025-10-04 22:15:00	10.21	36.98	0.44	7.16	10.01	61.40	0.02
SQU-DS	2025-10-04 22:30:00	10.20	37.00	0.44	7.14	9.99	59.83	0.02
SQU-DS	2025-10-04 22:45:00	10.17	36.83	0.44	7.15	10.01	63.40	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	2025-10-04 23:00:00	10.15	36.90	0.44	7.17	10.02	59.71	0.02
SQU-DS	2025-10-04 23:15:00	10.13	37.05	0.44	7.19	10.02	54.50	0.02
SQU-DS	2025-10-04 23:30:00	10.11	37.01	0.44	7.17	10.03	66.60	0.02
SQU-DS	2025-10-04 23:45:00	10.09	37.20	0.44	7.17	10.03	67.61	0.02
SQU-DS	2025-10-05 00:00:00	10.05	37.33	0.44	7.17	10.04	60.31	0.02
SQU-DS	2025-10-05 00:15:00	10.02	37.84	0.44	7.20	10.04	60.53	0.02
SQU-DS	2025-10-05 00:30:00	10.01	38.09	0.45	7.17	10.05	66.14	0.02
SQU-DS	2025-10-05 00:45:00	9.97	38.22	0.44	7.20	10.07	72.41	0.02
SQU-DS	2025-10-05 01:00:00	9.95	38.08	0.45	7.17	10.07	63.63	0.02
SQU-DS	2025-10-05 01:15:00	9.92	38.26	0.45	7.18	10.08	71.03	0.02
SQU-DS	2025-10-05 01:30:00	9.88	38.13	0.45	7.16	10.09	67.96	0.02
SQU-DS	2025-10-05 01:45:00	9.85	37.57	0.45	7.16	10.09	63.11	0.02
SQU-DS	2025-10-05 02:00:00	9.82	37.08	0.45	7.19	10.10	64.39	0.02
SQU-DS	2025-10-05 02:15:00	9.79	37.35	0.45	7.15	10.11	70.26	0.02
SQU-DS	2025-10-05 02:30:00	9.76	36.88	0.45	7.17	10.13	77.73	0.02
SQU-DS	2025-10-05 02:45:00	9.72	36.12	0.45	7.19	10.13	73.77	0.02
SQU-DS	2025-10-05 03:00:00	9.69	36.25	0.45	7.18	10.15	74.12	0.02
SQU-DS	2025-10-05 03:15:00	9.65	34.99	0.45	7.20	10.17	92.21	0.02
SQU-DS	2025-10-05 03:30:00	9.61	34.87	0.45	7.18	10.18	83.69	0.02
SQU-DS	2025-10-05 03:45:00	9.58	34.62	0.45	7.17	10.19	61.62	0.01
SQU-DS	2025-10-05 04:00:00	9.53	34.51	0.45	7.21	10.20	55.52	0.01
SQU-DS	2025-10-05 04:15:00	9.49	34.27	0.45	7.21	10.21	56.27	0.01
SQU-DS	2025-10-05 04:30:00	9.46	34.25	0.45	7.22	10.24	43.36	0.01
SQU-DS	2025-10-05 04:45:00	9.43	34.01	0.45	7.21	10.24	33.98	0.01
SQU-DS	2025-10-05 05:00:00	9.39	34.27	0.45	7.22	10.24	27.80	0.01
SQU-DS	2025-10-05 05:15:00	9.35	34.10	0.45	7.22	10.23	26.26	0.01
SQU-DS	2025-10-05 05:30:00	9.32	34.15	0.45	7.18	10.26	16.45	0.01
SQU-DS	2025-10-05 05:45:00	9.30	33.85	0.45	7.16	10.26	13.26	0.01
SQU-DS	2025-10-05 06:00:00	9.26	33.73	0.45	7.21	10.26	8.26	0.01
SQU-DS	2025-10-05 06:15:00	9.23	33.70	0.45	7.15	10.26	2.71	0.01
SQU-DS	2025-10-05 06:30:00	9.20	33.53	0.45	7.20	10.27	0.94	0.01
SQU-DS	2025-10-05 06:45:00	9.18	33.33	0.45	7.19	10.27	0.00	0.01
SQU-DS	2025-10-05 07:00:00	9.15	33.48	0.45	7.17	10.28	0.00	0.01
SQU-DS	2025-10-05 07:15:00	9.12	33.06	0.45	7.20	10.30	0.00	0.01
SQU-DS	2025-10-05 07:30:00	9.10	33.03	0.45	7.20	10.31	0.00	0.01
SQU-DS	2025-10-05 07:45:00	9.09	32.96	0.45	7.20	10.31	0.00	0.01
SQU-DS	2025-10-05 08:00:00	9.06	33.00	0.45	7.18	10.32	0.00	0.01
SQU-DS	2025-10-05 08:15:00	9.03	32.83	0.45	7.18	10.34	0.00	0.01
SQU-DS	2025-10-05 08:30:00	9.01	32.85	0.45	7.19	10.31	0.00	0.01
SQU-DS	2025-10-05 08:45:00	9.00	33.21	0.45	7.20	10.33	0.00	0.01
SQU-DS	2025-10-05 09:00:00	9.00	33.28	0.45	7.19	10.33	0.00	0.01
SQU-DS	2025-10-05 09:15:00	9.01	33.37	0.45	7.17	10.36	0.00	0.01
SQU-DS	2025-10-05 09:30:00	9.01	33.75	0.45	7.20	10.36	0.00	0.01
SQU-DS	2025-10-05 09:45:00	9.03	33.87	0.45	7.17	10.35	0.00	0.01
SQU-DS	2025-10-05 10:00:00	9.05	34.28	0.45	7.19	10.36	0.00	0.01
SQU-DS	2025-10-05 10:15:00	9.09	34.44	0.45	7.19	10.34	0.00	0.01
SQU-DS	2025-10-05 10:30:00	9.13	34.55	0.45	7.21	10.35	0.00	0.01
SQU-DS	2025-10-05 10:45:00	9.18	34.79	0.45	7.22	10.34	0.00	0.01
SQU-DS	2025-10-05 11:00:00	9.23	35.06	0.45	7.21	10.35	0.00	0.02
SQU-DS	2025-10-05 11:15:00	9.28	35.31	0.45	7.21	10.33	0.00	0.02
SQU-DS	2025-10-05 11:30:00	9.34	35.43	0.45	7.19	10.33	0.00	0.02
SQU-DS	2025-10-05 11:45:00	9.40	35.14	0.45	7.17	10.34	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	2025-10-05 12:00:00	9.45	35.31	0.45	7.19	10.33	0.00	0.02
SQU-DS	2025-10-05 12:15:00	9.51	34.36	0.45	7.20	10.33	0.00	0.01
SQU-DS	2025-10-05 12:30:00	9.56	34.43	0.45	7.20	10.32	0.00	0.01
SQU-DS	2025-10-05 12:45:00	9.61	34.48	0.45	7.20	10.29	0.00	0.01
SQU-DS	2025-10-05 13:00:00	9.67	34.18	0.44	7.19	10.31	0.00	0.01
SQU-DS	2025-10-05 13:15:00	9.72	34.36	0.45	7.19	10.28	0.00	0.01
SQU-DS	2025-10-05 13:30:00	9.76	34.51	0.45	7.18	10.29	0.00	0.01
SQU-DS	2025-10-05 13:45:00	9.81	34.65	0.45	7.16	10.27	0.00	0.01
SQU-DS	2025-10-05 14:00:00	9.84	34.81	0.45	7.18	10.27	0.00	0.01
SQU-DS	2025-10-05 14:15:00	9.88	34.91	0.45	7.16	10.24	0.00	0.02
SQU-DS	2025-10-05 14:30:00	9.92	34.78	0.44	7.16	10.27	0.00	0.01
SQU-DS	2025-10-05 14:45:00	9.94	34.97	0.44	7.18	10.25	0.00	0.02
SQU-DS	2025-10-05 15:00:00	9.95	34.96	0.44	7.16	10.24	0.00	0.02
SQU-DS	2025-10-05 15:15:00	9.95	35.08	0.44	7.17	10.25	0.00	0.02
SQU-DS	2025-10-05 15:30:00	9.96	35.15	0.44	7.17	10.26	0.00	0.02
SQU-DS	2025-10-05 15:45:00	9.97	35.12	0.44	7.19	10.26	0.00	0.02
SQU-DS	2025-10-05 16:00:00		34.76		7.15	10.29		0.01
SQU-DS	2025-10-05 16:15:00	9.97	34.75	0.44	7.21	10.30	0.00	0.01
SQU-DS	2025-10-05 16:30:00	9.96	35.09	0.44	7.22	10.26	0.00	0.02
SQU-DS	2025-10-05 16:45:00	9.93	35.08	0.44	7.18	10.29	0.00	0.02
SQU-DS	2025-10-05 17:00:00	9.89	35.13	0.44	7.23	10.28	0.00	0.02
SQU-DS	2025-10-05 17:15:00	9.84	35.16	0.44	7.20	10.26	0.00	0.02
SQU-DS	2025-10-05 17:30:00	9.77	35.43	0.44	7.22	10.28	0.00	0.02
SQU-DS	2025-10-05 17:45:00	9.69	35.55	0.44	7.20	10.28	0.00	0.02
SQU-DS	2025-10-05 18:00:00	9.61	35.69	0.44	7.18	10.27	0.00	0.02
SQU-DS	2025-10-05 18:15:00	9.55	35.73	0.43	7.22	10.28	0.00	0.02
SQU-DS	2025-10-05 18:30:00	9.52	35.86	0.43	7.19	10.29	0.00	0.02
SQU-DS	2025-10-05 18:45:00	9.49	35.97	0.43	7.23	10.26	0.00	0.02
SQU-DS	2025-10-05 19:00:00	9.49	36.09	0.43	7.21	10.25	0.00	0.02
SQU-DS	2025-10-05 19:15:00	9.47	36.22	0.43	7.21	10.26	0.00	0.02
SQU-DS	2025-10-05 19:30:00	9.46	36.36	0.43	7.21	10.25	0.00	0.02
SQU-DS	2025-10-05 19:45:00	9.46	36.45	0.43	7.21	10.23	0.00	0.02
SQU-DS	2025-10-05 20:00:00	9.45	36.57	0.42	7.19	10.24	0.00	0.02
SQU-DS	2025-10-05 20:15:00	9.45	36.75	0.43	7.17	10.21	0.00	0.02
SQU-DS	2025-10-05 20:30:00	9.45	36.89	0.42	7.18	10.21	0.00	0.02
SQU-DS	2025-10-05 20:45:00	9.45	37.03	0.42	7.18	10.22	0.00	0.02
SQU-DS	2025-10-05 21:00:00	9.47	37.15	0.42	7.14	10.19	0.00	0.02
SQU-DS	2025-10-05 21:15:00	9.48	37.29	0.42	7.14	10.20	0.00	0.02
SQU-DS	2025-10-05 21:30:00	9.48	37.43	0.42	7.13	10.20	0.00	0.02
SQU-DS	2025-10-05 21:45:00	9.47	37.54	0.42	7.11	10.19	0.00	0.02
SQU-DS	2025-10-05 22:00:00	9.46	37.72	0.42	7.11	10.20	0.00	0.02
SQU-DS	2025-10-05 22:15:00	9.45	37.78	0.42	7.10	10.21	0.00	0.02
SQU-DS	2025-10-05 22:30:00	9.44	37.93	0.42	7.09	10.22	0.00	0.02
SQU-DS	2025-10-05 22:45:00	9.44	38.05	0.41	7.07	10.22	0.00	0.02
SQU-DS	2025-10-05 23:00:00	9.42	38.24	0.41	7.08	10.21	0.00	0.02
SQU-DS	2025-10-05 23:15:00	9.41	38.38	0.41	7.06	10.22	0.00	0.02
SQU-DS	2025-10-05 23:30:00	9.41	38.58	0.41	7.11	10.19	0.00	0.02
SQU-DS	2025-10-05 23:45:00	9.40	38.76	0.41	7.09	10.18	0.00	0.02
SQU-US	2025-09-29 00:00:00							
SQU-US	2025-09-29 00:15:00							
SQU-US	2025-09-29 00:30:00							
SQU-US	2025-09-29 00:45:00							

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	2025-09-29 01:00:00							
SQU-US	2025-09-29 01:15:00							
SQU-US	2025-09-29 01:30:00							
SQU-US	2025-09-29 01:45:00							
SQU-US	2025-09-29 02:00:00							
SQU-US	2025-09-29 02:15:00							
SQU-US	2025-09-29 02:30:00							
SQU-US	2025-09-29 02:45:00							
SQU-US	2025-09-29 03:00:00							
SQU-US	2025-09-29 03:15:00							
SQU-US	2025-09-29 03:30:00							
SQU-US	2025-09-29 03:45:00							
SQU-US	2025-09-29 04:00:00							
SQU-US	2025-09-29 04:15:00							
SQU-US	2025-09-29 04:30:00							
SQU-US	2025-09-29 04:45:00							
SQU-US	2025-09-29 05:00:00							
SQU-US	2025-09-29 05:15:00							
SQU-US	2025-09-29 05:30:00							
SQU-US	2025-09-29 05:45:00							
SQU-US	2025-09-29 06:00:00							
SQU-US	2025-09-29 06:15:00							
SQU-US	2025-09-29 06:30:00							
SQU-US	2025-09-29 06:45:00							
SQU-US	2025-09-29 07:00:00							
SQU-US	2025-09-29 07:15:00							
SQU-US	2025-09-29 07:30:00							
SQU-US	2025-09-29 07:45:00							
SQU-US	2025-09-29 08:00:00							
SQU-US	2025-09-29 08:15:00							
SQU-US	2025-09-29 08:30:00							
SQU-US	2025-09-29 08:45:00							
SQU-US	2025-09-29 09:00:00							
SQU-US	2025-09-29 09:15:00							
SQU-US	2025-09-29 09:30:00							
SQU-US	2025-09-29 09:45:00							
SQU-US	2025-09-29 10:00:00							
SQU-US	2025-09-29 10:15:00							
SQU-US	2025-09-29 10:30:00							
SQU-US	2025-09-29 10:45:00							
SQU-US	2025-09-29 11:00:00							
SQU-US	2025-09-29 11:15:00							
SQU-US	2025-09-29 11:30:00							
SQU-US	2025-09-29 11:45:00							
SQU-US	2025-09-29 12:00:00							
SQU-US	2025-09-29 12:15:00							
SQU-US	2025-09-29 12:30:00							
SQU-US	2025-09-29 12:45:00							
SQU-US	2025-09-29 13:00:00							
SQU-US	2025-09-29 13:15:00							
SQU-US	2025-09-29 13:30:00							
SQU-US	2025-09-29 13:45:00							

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	2025-09-29 14:00:00							
SQU-US	2025-09-29 14:15:00							
SQU-US	2025-09-29 14:30:00							
SQU-US	2025-09-29 14:45:00							
SQU-US	2025-09-29 15:00:00							
SQU-US	2025-09-29 15:15:00							
SQU-US	2025-09-29 15:30:00							
SQU-US	2025-09-29 15:45:00							
SQU-US	2025-09-29 16:00:00							
SQU-US	2025-09-29 16:15:00							
SQU-US	2025-09-29 16:30:00							
SQU-US	2025-09-29 16:45:00							
SQU-US	2025-09-29 17:00:00							
SQU-US	2025-09-29 17:15:00							
SQU-US	2025-09-29 17:30:00							
SQU-US	2025-09-29 17:45:00							
SQU-US	2025-09-29 18:00:00							
SQU-US	2025-09-29 18:15:00							
SQU-US	2025-09-29 18:30:00							
SQU-US	2025-09-29 18:45:00							
SQU-US	2025-09-29 19:00:00							
SQU-US	2025-09-29 19:15:00							
SQU-US	2025-09-29 19:30:00							
SQU-US	2025-09-29 19:45:00							
SQU-US	2025-09-29 20:00:00							
SQU-US	2025-09-29 20:15:00							
SQU-US	2025-09-29 20:30:00							
SQU-US	2025-09-29 20:45:00							
SQU-US	2025-09-29 21:00:00							
SQU-US	2025-09-29 21:15:00							
SQU-US	2025-09-29 21:30:00							
SQU-US	2025-09-29 21:45:00							
SQU-US	2025-09-29 22:00:00							
SQU-US	2025-09-29 22:15:00							
SQU-US	2025-09-29 22:30:00							
SQU-US	2025-09-29 22:45:00							
SQU-US	2025-09-29 23:00:00							
SQU-US	2025-09-29 23:15:00							
SQU-US	2025-09-29 23:30:00							
SQU-US	2025-09-29 23:45:00							
SQU-US	2025-09-30 00:00:00							
SQU-US	2025-09-30 00:15:00							
SQU-US	2025-09-30 00:30:00							
SQU-US	2025-09-30 00:45:00							
SQU-US	2025-09-30 01:00:00							
SQU-US	2025-09-30 01:15:00							
SQU-US	2025-09-30 01:30:00							
SQU-US	2025-09-30 01:45:00							
SQU-US	2025-09-30 02:00:00							
SQU-US	2025-09-30 02:15:00							
SQU-US	2025-09-30 02:30:00							
SQU-US	2025-09-30 02:45:00							

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	2025-09-30 03:00:00							
SQU-US	2025-09-30 03:15:00							
SQU-US	2025-09-30 03:30:00							
SQU-US	2025-09-30 03:45:00							
SQU-US	2025-09-30 04:00:00							
SQU-US	2025-09-30 04:15:00							
SQU-US	2025-09-30 04:30:00							
SQU-US	2025-09-30 04:45:00							
SQU-US	2025-09-30 05:00:00							
SQU-US	2025-09-30 05:15:00							
SQU-US	2025-09-30 05:30:00							
SQU-US	2025-09-30 05:45:00							
SQU-US	2025-09-30 06:00:00							
SQU-US	2025-09-30 06:15:00							
SQU-US	2025-09-30 06:30:00							
SQU-US	2025-09-30 06:45:00							
SQU-US	2025-09-30 07:00:00							
SQU-US	2025-09-30 07:15:00							
SQU-US	2025-09-30 07:30:00							
SQU-US	2025-09-30 07:45:00							
SQU-US	2025-09-30 08:00:00							
SQU-US	2025-09-30 08:15:00							
SQU-US	2025-09-30 08:30:00							
SQU-US	2025-09-30 08:45:00							
SQU-US	2025-09-30 09:00:00							
SQU-US	2025-09-30 09:15:00							
SQU-US	2025-09-30 09:30:00							
SQU-US	2025-09-30 09:45:00							
SQU-US	2025-09-30 10:00:00							
SQU-US	2025-09-30 10:15:00							
SQU-US	2025-09-30 10:30:00							
SQU-US	2025-09-30 10:45:00							
SQU-US	2025-09-30 11:00:00							
SQU-US	2025-09-30 11:15:00							
SQU-US	2025-09-30 11:30:00							
SQU-US	2025-09-30 11:45:00							
SQU-US	2025-09-30 12:00:00							
SQU-US	2025-09-30 12:15:00							
SQU-US	2025-09-30 12:30:00							
SQU-US	2025-09-30 12:45:00							
SQU-US	2025-09-30 13:00:00							
SQU-US	2025-09-30 13:15:00							
SQU-US	2025-09-30 13:30:00							
SQU-US	2025-09-30 13:45:00							
SQU-US	2025-09-30 14:00:00							
SQU-US	2025-09-30 14:15:00							
SQU-US	2025-09-30 14:30:00							
SQU-US	2025-09-30 14:45:00							
SQU-US	2025-09-30 15:00:00							
SQU-US	2025-09-30 15:15:00							
SQU-US	2025-09-30 15:30:00							
SQU-US	2025-09-30 15:45:00							

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	2025-09-30 16:00:00							
SQU-US	2025-09-30 16:15:00							
SQU-US	2025-09-30 16:30:00							
SQU-US	2025-09-30 16:45:00							
SQU-US	2025-09-30 17:00:00							
SQU-US	2025-09-30 17:15:00							
SQU-US	2025-09-30 17:30:00							
SQU-US	2025-09-30 17:45:00							
SQU-US	2025-09-30 18:00:00							
SQU-US	2025-09-30 18:15:00							
SQU-US	2025-09-30 18:30:00							
SQU-US	2025-09-30 18:45:00							
SQU-US	2025-09-30 19:00:00							
SQU-US	2025-09-30 19:15:00							
SQU-US	2025-09-30 19:30:00							
SQU-US	2025-09-30 19:45:00							
SQU-US	2025-09-30 20:00:00							
SQU-US	2025-09-30 20:15:00							
SQU-US	2025-09-30 20:30:00							
SQU-US	2025-09-30 20:45:00							
SQU-US	2025-09-30 21:00:00							
SQU-US	2025-09-30 21:15:00							
SQU-US	2025-09-30 21:30:00							
SQU-US	2025-09-30 21:45:00							
SQU-US	2025-09-30 22:00:00							
SQU-US	2025-09-30 22:15:00							
SQU-US	2025-09-30 22:30:00							
SQU-US	2025-09-30 22:45:00							
SQU-US	2025-09-30 23:00:00							
SQU-US	2025-09-30 23:15:00							
SQU-US	2025-09-30 23:30:00							
SQU-US	2025-09-30 23:45:00							
SQU-US	2025-10-01 00:00:00							
SQU-US	2025-10-01 00:15:00							
SQU-US	2025-10-01 00:30:00							
SQU-US	2025-10-01 00:45:00							
SQU-US	2025-10-01 01:00:00							
SQU-US	2025-10-01 01:15:00							
SQU-US	2025-10-01 01:30:00							
SQU-US	2025-10-01 01:45:00							
SQU-US	2025-10-01 02:00:00							
SQU-US	2025-10-01 02:15:00							
SQU-US	2025-10-01 02:30:00							
SQU-US	2025-10-01 02:45:00							
SQU-US	2025-10-01 03:00:00							
SQU-US	2025-10-01 03:15:00							
SQU-US	2025-10-01 03:30:00							
SQU-US	2025-10-01 03:45:00							
SQU-US	2025-10-01 04:00:00							
SQU-US	2025-10-01 04:15:00							
SQU-US	2025-10-01 04:30:00							
SQU-US	2025-10-01 04:45:00							

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	2025-10-01 05:00:00							
SQU-US	2025-10-01 05:15:00							
SQU-US	2025-10-01 05:30:00							
SQU-US	2025-10-01 05:45:00							
SQU-US	2025-10-01 06:00:00							
SQU-US	2025-10-01 06:15:00							
SQU-US	2025-10-01 06:30:00							
SQU-US	2025-10-01 06:45:00							
SQU-US	2025-10-01 07:00:00							
SQU-US	2025-10-01 07:15:00							
SQU-US	2025-10-01 07:30:00							
SQU-US	2025-10-01 07:45:00							
SQU-US	2025-10-01 08:00:00							
SQU-US	2025-10-01 08:15:00							
SQU-US	2025-10-01 08:30:00							
SQU-US	2025-10-01 08:45:00							
SQU-US	2025-10-01 09:00:00							
SQU-US	2025-10-01 09:15:00							
SQU-US	2025-10-01 09:30:00							
SQU-US	2025-10-01 09:45:00							
SQU-US	2025-10-01 10:00:00							
SQU-US	2025-10-01 10:15:00							
SQU-US	2025-10-01 10:30:00							
SQU-US	2025-10-01 10:45:00							
SQU-US	2025-10-01 11:00:00							
SQU-US	2025-10-01 11:15:00							
SQU-US	2025-10-01 11:30:00							
SQU-US	2025-10-01 11:45:00							
SQU-US	2025-10-01 12:00:00							
SQU-US	2025-10-01 12:15:00							
SQU-US	2025-10-01 12:30:00							
SQU-US	2025-10-01 12:45:00							
SQU-US	2025-10-01 13:00:00							
SQU-US	2025-10-01 13:15:00							
SQU-US	2025-10-01 13:30:00							
SQU-US	2025-10-01 13:45:00							
SQU-US	2025-10-01 14:00:00							
SQU-US	2025-10-01 14:15:00							
SQU-US	2025-10-01 14:30:00							
SQU-US	2025-10-01 14:45:00							
SQU-US	2025-10-01 15:00:00							
SQU-US	2025-10-01 15:15:00							
SQU-US	2025-10-01 15:30:00							
SQU-US	2025-10-01 15:45:00							
SQU-US	2025-10-01 16:00:00							
SQU-US	2025-10-01 16:15:00							
SQU-US	2025-10-01 16:30:00							
SQU-US	2025-10-01 16:45:00							
SQU-US	2025-10-01 17:00:00							
SQU-US	2025-10-01 17:15:00							
SQU-US	2025-10-01 17:30:00							
SQU-US	2025-10-01 17:45:00							

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

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	2025-10-02 07:00:00							
SQU-US	2025-10-02 07:15:00							
SQU-US	2025-10-02 07:30:00							
SQU-US	2025-10-02 07:45:00							
SQU-US	2025-10-02 08:00:00							
SQU-US	2025-10-02 08:15:00							
SQU-US	2025-10-02 08:30:00							
SQU-US	2025-10-02 08:45:00							
SQU-US	2025-10-02 09:00:00							
SQU-US	2025-10-02 09:15:00							
SQU-US	2025-10-02 09:30:00							
SQU-US	2025-10-02 09:45:00							
SQU-US	2025-10-02 10:00:00							
SQU-US	2025-10-02 10:15:00							
SQU-US	2025-10-02 10:30:00							
SQU-US	2025-10-02 10:45:00							
SQU-US	2025-10-02 11:00:00							
SQU-US	2025-10-02 11:15:00							
SQU-US	2025-10-02 11:30:00							
SQU-US	2025-10-02 11:45:00							
SQU-US	2025-10-02 12:00:00	21.91	4382.19	0.22	4.12	9.16	12.83	2.36
SQU-US	2025-10-02 12:15:00	21.98	4382.32	0.22	4.12	9.19	14.37	2.36
SQU-US	2025-10-02 12:30:00	22.03	4382.83	0.22	4.11	9.11	16.64	2.36
SQU-US	2025-10-02 12:45:00	22.06	4382.93	0.22	4.12	9.02	18.82	2.36
SQU-US	2025-10-02 13:00:00	22.09	4383.22	0.22	4.13	8.98	19.14	2.36
SQU-US	2025-10-02 13:15:00	22.10	4383.19	0.22	4.13	8.96	19.53	2.36
SQU-US	2025-10-02 13:30:00	22.12	4383.00	0.22	4.14	8.96	19.77	2.36
SQU-US	2025-10-02 13:45:00	22.13	4382.99	0.22	4.15	8.98	20.18	2.36
SQU-US	2025-10-02 14:00:00	22.15	4382.82	0.22	4.16	9.00	20.21	2.36
SQU-US	2025-10-02 14:15:00	22.17	4382.50	0.22	4.16	9.02	20.02	2.36
SQU-US	2025-10-02 14:30:00	22.20	4382.29	0.22	4.17	9.05	19.60	2.36
SQU-US	2025-10-02 14:45:00	22.22	4382.44	0.22	4.17	9.07	19.47	2.36
SQU-US	2025-10-02 15:00:00	22.26	4382.33	0.22	4.18	9.08	18.58	2.36
SQU-US	2025-10-02 15:15:00	22.29	4382.02	0.22	4.18	9.10	18.58	2.36
SQU-US	2025-10-02 15:30:00	22.33	4381.92	0.22	4.18	9.13	9.37	2.36
SQU-US	2025-10-02 15:45:00	22.37	4380.07	0.22	4.18	9.14	2.35	2.36
SQU-US	2025-10-02 16:00:00	23.07	7.42	0.22	4.13	9.58	12.32	0.00
SQU-US	2025-10-02 16:15:00	23.00	3.60	0.22	4.13	9.61	6.12	0.00
SQU-US	2025-10-02 16:30:00	22.97	2.17	0.21	4.13	9.60	6.05	0.00
SQU-US	2025-10-02 16:45:00	22.96	1.72	0.21	4.13	9.60	5.85	0.00
SQU-US	2025-10-02 17:00:00	22.92	1.46	0.21	4.13	9.61	5.02	0.00
SQU-US	2025-10-02 17:15:00	22.90	1.37	0.21	4.13	9.61	4.73	0.00
SQU-US	2025-10-02 17:30:00	22.88	1.30	0.21	4.13	9.62	4.29	0.00
SQU-US	2025-10-02 17:45:00	22.86	1.26	0.21	4.13	9.61	3.26	0.00
SQU-US	2025-10-02 18:00:00	22.84	1.22	0.21	4.13	9.62	3.72	0.00
SQU-US	2025-10-02 18:15:00	22.82	1.19	0.21	4.13	9.61	3.52	0.00
SQU-US	2025-10-02 18:30:00	22.80	1.16	0.21	4.13	9.61	3.50	0.00
SQU-US	2025-10-02 18:45:00	22.78	1.15	0.21	4.13	9.61	3.29	0.00
SQU-US	2025-10-02 19:00:00	22.75	1.13	0.21	4.13	9.61	3.50	0.00
SQU-US	2025-10-02 19:15:00	22.74	1.12	0.21	4.13	9.61	3.03	0.00
SQU-US	2025-10-02 19:30:00	22.72	1.11	0.21	4.13	9.60	2.80	0.00
SQU-US	2025-10-02 19:45:00	22.70	1.11	0.21	4.13	9.62	2.43	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	2025-10-02 20:00:00	22.69	1.09	0.21	4.13	9.62	2.49	0.00
SQU-US	2025-10-02 20:15:00	22.67	1.09	0.21	4.13	9.61	2.84	0.00
SQU-US	2025-10-02 20:30:00	22.66	1.08	0.21	4.13	9.61	2.58	0.00
SQU-US	2025-10-02 20:45:00	22.64	1.08	0.21	4.13	9.62	2.67	0.00
SQU-US	2025-10-02 21:00:00	22.62	1.07	0.21	4.13	9.62	2.61	0.00
SQU-US	2025-10-02 21:15:00	22.59	1.06	0.21	4.13	9.60	2.57	0.00
SQU-US	2025-10-02 21:30:00	22.57	1.05	0.21	4.13	9.62	2.66	0.00
SQU-US	2025-10-02 21:45:00	22.55	1.05	0.22	4.13	9.62	2.52	0.00
SQU-US	2025-10-02 22:00:00	22.49	1.05	0.22	4.13	9.63	2.09	0.00
SQU-US	2025-10-02 22:15:00	22.46	1.05	0.22	4.13	9.63	2.12	0.00
SQU-US	2025-10-02 22:30:00	22.40	1.04	0.22	4.13	9.64	2.05	0.00
SQU-US	2025-10-02 22:45:00	22.34	1.05	0.22	4.13	9.65	1.94	0.00
SQU-US	2025-10-02 23:00:00	22.29	1.04	0.22	4.13	9.65	1.98	0.00
SQU-US	2025-10-02 23:15:00	22.24	1.04	0.22	4.13	9.65	2.00	0.00
SQU-US	2025-10-02 23:30:00	22.19	1.04	0.22	4.13	9.65	2.05	0.00
SQU-US	2025-10-02 23:45:00	22.14	1.04	0.22	4.12	9.66	2.13	0.00
SQU-US	2025-10-03 00:00:00		1.04			9.67		0.00
SQU-US	2025-10-03 00:15:00	22.05	1.04	0.22	4.12	9.67	2.04	0.00
SQU-US	2025-10-03 00:30:00	22.02	1.04	0.22	4.12	9.67	2.05	0.00
SQU-US	2025-10-03 00:45:00	21.97	1.03	0.22	4.12	9.68	1.93	0.00
SQU-US	2025-10-03 01:00:00	21.93	1.03	0.22	4.12	9.68	1.84	0.00
SQU-US	2025-10-03 01:15:00	21.89	1.03	0.22	4.12	9.68	1.94	0.00
SQU-US	2025-10-03 01:30:00	21.86	1.03	0.22	4.12	9.69	1.78	0.00
SQU-US	2025-10-03 01:45:00	21.83	1.03	0.22	4.12	9.69	1.78	0.00
SQU-US	2025-10-03 02:00:00	21.79	1.03	0.22	4.12	9.69	1.83	0.00
SQU-US	2025-10-03 02:15:00	21.76	1.03	0.22	4.12	9.68	1.77	0.00
SQU-US	2025-10-03 02:30:00	21.72	1.03	0.22	4.12	9.70	1.74	0.00
SQU-US	2025-10-03 02:45:00	21.69	1.03	0.22	4.12	9.70	1.66	0.00
SQU-US	2025-10-03 03:00:00	21.66	1.03	0.22	4.12	9.70	1.63	0.00
SQU-US	2025-10-03 03:15:00	21.62	1.02	0.22	4.12	9.70	1.66	0.00
SQU-US	2025-10-03 03:30:00	21.59	1.02	0.22	4.12	9.70	1.71	0.00
SQU-US	2025-10-03 03:45:00	21.56	1.02	0.22	4.12	9.70	1.62	0.00
SQU-US	2025-10-03 04:00:00	21.53	1.02	0.22	4.12	9.71	1.64	0.00
SQU-US	2025-10-03 04:15:00	21.49	1.01	0.22	4.12	9.71	1.73	0.00
SQU-US	2025-10-03 04:30:00	21.45	1.01	0.22	4.12	9.72	1.70	0.00
SQU-US	2025-10-03 04:45:00	21.41	1.01	0.22	4.12	9.72	1.65	0.00
SQU-US	2025-10-03 05:00:00	21.37	1.01	0.22	4.12	9.72	1.66	0.00
SQU-US	2025-10-03 05:15:00	21.34	1.01	0.22	4.12	9.72	1.60	0.00
SQU-US	2025-10-03 05:30:00	21.29	1.00	0.22	4.12	9.73	1.68	0.00
SQU-US	2025-10-03 05:45:00	21.26	1.00	0.22	4.12	9.73	1.70	0.00
SQU-US	2025-10-03 06:00:00	21.22	1.00	0.22	4.12	9.74	1.77	0.00
SQU-US	2025-10-03 06:15:00	21.19	1.00	0.22	4.12	9.73	1.76	0.00
SQU-US	2025-10-03 06:30:00	21.17	1.00	0.22	4.12	9.74	1.72	0.00
SQU-US	2025-10-03 06:45:00	21.13	0.99	0.22	4.12	9.74	1.75	0.00
SQU-US	2025-10-03 07:00:00	21.11	0.99	0.22	4.12	9.74	1.75	0.00
SQU-US	2025-10-03 07:15:00	21.08	0.99	0.22	4.12	9.74	1.75	0.00
SQU-US	2025-10-03 07:30:00	21.06	0.99	0.22	4.12	9.74	1.75	0.00
SQU-US	2025-10-03 07:45:00	21.03	0.98	0.22	4.12	9.75	1.77	0.00
SQU-US	2025-10-03 08:00:00	21.01	0.98	0.22	4.12	9.75	1.67	0.00
SQU-US	2025-10-03 08:15:00	20.98	0.98	0.22	4.12	9.75	1.48	0.00
SQU-US	2025-10-03 08:30:00	20.96	0.98	0.22	4.12	9.75	1.41	0.00
SQU-US	2025-10-03 08:45:00	20.95	0.97	0.22	4.12	9.75	1.55	0.00

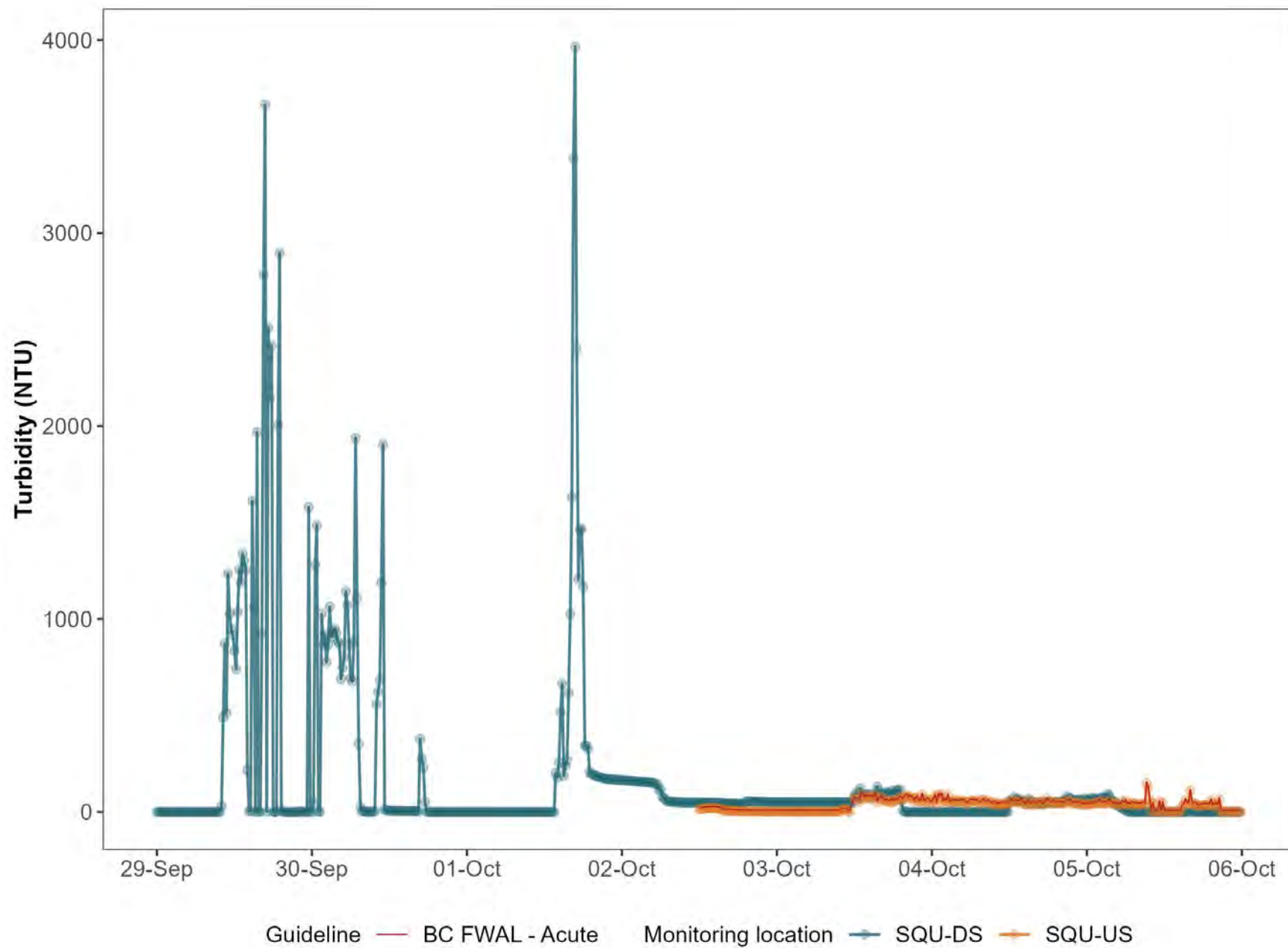
Squamish River								
Station	Date/Time	Temperature (C)	Specific Conductivity (µS/cm)	ORP (V)	pH (pH units)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	Salinity (PSU)
SQU-US	2025-10-03 09:00:00	20.94	0.97	0.22	4.12	9.75	1.59	0.00
SQU-US	2025-10-03 09:15:00	20.93	0.97	0.22	4.12	9.74	1.64	0.00
SQU-US	2025-10-03 09:30:00	20.94	0.96	0.22	4.12	9.75	1.62	0.00
SQU-US	2025-10-03 09:45:00	20.94	0.96	0.22	4.12	9.74	1.65	0.00
SQU-US	2025-10-03 10:00:00	20.96	6.98	0.22	4.12	9.56	13.71	0.00
SQU-US	2025-10-03 10:15:00	21.01	4.92	0.22	4.12	9.54	13.42	0.00
SQU-US	2025-10-03 10:30:00	20.63	4095.88	0.22	4.10	9.58	12.32	2.20
SQU-US	2025-10-03 10:45:00	19.88	4094.20	0.22	4.09	9.67	13.64	2.20
SQU-US	2025-10-03 11:00:00	19.36	4127.65	0.22	4.10	9.50	0.63	2.21
SQU-US	2025-10-03 11:15:00	17.51	3456.73	0.22	4.08	9.54	1.03	1.83
SQU-US	2025-10-03 11:30:00							
SQU-US	2025-10-03 11:45:00							
SQU-US	2025-10-03 12:00:00	9.21	33.25	0.14	5.91	11.49	70.18	0.01
SQU-US	2025-10-03 12:15:00	9.21	33.15	0.12	6.12	11.51	64.94	0.01
SQU-US	2025-10-03 12:30:00	9.23	33.23	0.12	6.30	11.52	66.96	0.01
SQU-US	2025-10-03 12:45:00	9.25	33.00	0.12	6.40	11.51	52.24	0.01
SQU-US	2025-10-03 13:00:00	9.30	33.15	0.11	6.45	11.50	78.57	0.01
SQU-US	2025-10-03 13:15:00	9.33	33.12	0.11	6.54	11.49	94.37	0.01
SQU-US	2025-10-03 13:30:00	9.35	33.68	0.11	6.59	11.48	70.43	0.01
SQU-US	2025-10-03 13:45:00	9.37	32.90	0.12	6.63	11.48	78.67	0.01
SQU-US	2025-10-03 14:00:00	9.40	33.28	0.09	6.65	11.47	74.39	0.01
SQU-US	2025-10-03 14:15:00	9.43	32.90	0.09	6.62	11.48	76.54	0.01
SQU-US	2025-10-03 14:30:00	9.43	32.83	0.09	6.71	11.50	80.01	0.01
SQU-US	2025-10-03 14:45:00	9.43	32.63	0.09	6.71	11.52	73.23	0.01
SQU-US	2025-10-03 15:00:00	9.44	32.87	0.09	6.79	11.51	77.69	0.01
SQU-US	2025-10-03 15:15:00	9.45	33.18	0.09	6.86	11.52	89.03	0.01
SQU-US	2025-10-03 15:30:00	9.47	33.57	0.09	6.88	11.50	49.30	0.01
SQU-US	2025-10-03 15:45:00	9.49	33.56	0.08	6.90	11.50	70.81	0.01
SQU-US	2025-10-03 16:00:00	9.52	34.08	0.09	6.92	11.48	65.35	0.01
SQU-US	2025-10-03 16:15:00	9.55	33.95	0.09	6.92	11.49	77.89	0.01
SQU-US	2025-10-03 16:30:00	9.57	34.12	0.09	6.97	11.48	64.22	0.01
SQU-US	2025-10-03 16:45:00	9.59	34.22	0.09	6.97	11.47	54.94	0.01
SQU-US	2025-10-03 17:00:00	9.63	34.92	0.09	7.01	11.45	58.31	0.02
SQU-US	2025-10-03 17:15:00	9.67	35.41	0.09	6.97	11.41	53.88	0.02
SQU-US	2025-10-03 17:30:00	9.70	36.27	0.08	6.94	11.34	49.44	0.02
SQU-US	2025-10-03 17:45:00	9.71	36.60	0.07	6.94	11.31	62.99	0.02
SQU-US	2025-10-03 18:00:00	9.72	36.97	0.07	6.89	11.28	52.39	0.02
SQU-US	2025-10-03 18:15:00	9.73	37.14	0.07	6.86	11.25	58.43	0.02
SQU-US	2025-10-03 18:30:00	9.74	37.21	0.07	6.88	11.23	64.34	0.02
SQU-US	2025-10-03 18:45:00	9.74	37.26	0.06	6.90	11.24	57.32	0.02
SQU-US	2025-10-03 19:00:00	9.75	37.51	0.06	6.90	11.24	75.45	0.02
SQU-US	2025-10-03 19:15:00	9.75	37.43	0.07	6.85	11.24	67.86	0.02
SQU-US	2025-10-03 19:30:00	9.76	37.45	0.06	6.89	11.22	61.86	0.02
SQU-US	2025-10-03 19:45:00	9.78	37.22	0.06	6.94	11.18	81.11	0.02
SQU-US	2025-10-03 20:00:00	9.79	36.75	0.06	6.95	11.09	86.09	0.02
SQU-US	2025-10-03 20:15:00	9.80	36.49	0.06	6.98	10.99	76.39	0.02
SQU-US	2025-10-03 20:30:00	9.81	36.43	0.06	6.99	10.91	69.22	0.02
SQU-US	2025-10-03 20:45:00	9.82	36.45	0.06	6.99	10.80	79.07	0.02
SQU-US	2025-10-03 21:00:00	9.81	36.16	0.06	7.00	10.71	71.22	0.02
SQU-US	2025-10-03 21:15:00	9.80	35.98	0.06	6.99	10.63	52.32	0.02
SQU-US	2025-10-03 21:30:00	9.80	36.15	0.06	6.98	10.54	70.74	0.02
SQU-US	2025-10-03 21:45:00	9.80	36.45	0.07	6.96	10.47	75.69	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	2025-10-03 22:00:00	9.79	36.44	0.06	6.99	10.40	54.23	0.02
SQU-US	2025-10-03 22:15:00	9.78	36.53	0.06	7.00	10.32	53.44	0.02
SQU-US	2025-10-03 22:30:00	9.78	36.11	0.06	7.01	10.32	90.41	0.02
SQU-US	2025-10-03 22:45:00	9.77	36.64	0.06	7.03	10.28	53.03	0.02
SQU-US	2025-10-03 23:00:00	9.78	36.54	0.06	7.03	10.26	52.89	0.02
SQU-US	2025-10-03 23:15:00	9.78	36.76	0.06	7.03	10.26	66.21	0.02
SQU-US	2025-10-03 23:30:00	9.78	36.54	0.06	7.01	10.25	61.77	0.02
SQU-US	2025-10-03 23:45:00	9.78	36.97	0.06	7.01	10.17	52.44	0.02
SQU-US	2025-10-04 00:00:00	9.79	36.95	0.06	7.04	10.18	45.82	0.02
SQU-US	2025-10-04 00:15:00	9.78	36.80	0.06	7.03	10.15	65.29	0.02
SQU-US	2025-10-04 00:30:00	9.78	36.68	0.06	7.02	10.15	82.40	0.02
SQU-US	2025-10-04 00:45:00	9.77	37.86	0.06	7.03	10.14	43.43	0.02
SQU-US	2025-10-04 01:00:00	9.76	36.80	0.06	7.01	10.07	88.18	0.02
SQU-US	2025-10-04 01:15:00	9.77	36.57	0.06	7.02	9.82	74.27	0.02
SQU-US	2025-10-04 01:30:00	9.76	36.57	0.06	6.98	9.57	93.54	0.02
SQU-US	2025-10-04 01:45:00	9.76	36.46	0.07	6.95	9.38	51.68	0.02
SQU-US	2025-10-04 02:00:00	9.74	36.58	0.07	6.88	9.20	59.67	0.02
SQU-US	2025-10-04 02:15:00	9.73	36.35	0.07	6.92	9.09	55.45	0.02
SQU-US	2025-10-04 02:30:00	9.72	36.61	0.07	6.93	9.02	86.70	0.02
SQU-US	2025-10-04 02:45:00	9.70	36.49	0.06	6.95	8.89	49.01	0.02
SQU-US	2025-10-04 03:00:00	9.69	36.22	0.06	6.95	8.82	51.37	0.02
SQU-US	2025-10-04 03:15:00	9.68	36.69	0.06	6.98	8.75	58.04	0.02
SQU-US	2025-10-04 03:30:00	9.68	36.67	0.06	6.99	8.66	49.30	0.02
SQU-US	2025-10-04 03:45:00	9.67	36.68	0.06	7.00	8.59	61.02	0.02
SQU-US	2025-10-04 04:00:00	9.66	36.75	0.06	7.03	8.49	50.90	0.02
SQU-US	2025-10-04 04:15:00	9.64	36.71	0.06	7.02	8.47	53.61	0.02
SQU-US	2025-10-04 04:30:00	9.64	36.82	0.06	7.01	8.45	53.70	0.02
SQU-US	2025-10-04 04:45:00	9.62	36.96	0.06	7.02	8.39	58.17	0.02
SQU-US	2025-10-04 05:00:00	9.61	36.81	0.06	7.05	8.35	53.57	0.02
SQU-US	2025-10-04 05:15:00	9.59	36.75	0.06	7.04	8.41	46.01	0.02
SQU-US	2025-10-04 05:30:00	9.57	37.09	0.06	7.01	8.34	39.86	0.02
SQU-US	2025-10-04 05:45:00	9.56	36.95	0.06	7.04	8.43	54.63	0.02
SQU-US	2025-10-04 06:00:00	9.55	36.88	0.06	7.06	8.51	60.03	0.02
SQU-US	2025-10-04 06:15:00	9.54	36.89	0.06	7.00	8.67	57.82	0.02
SQU-US	2025-10-04 06:30:00	9.54	36.92	0.06	7.05	8.78	56.40	0.02
SQU-US	2025-10-04 06:45:00	9.54	36.90	0.06	7.03	8.78	54.26	0.02
SQU-US	2025-10-04 07:00:00	9.53	36.85	0.06	7.01	8.89	58.72	0.02
SQU-US	2025-10-04 07:15:00	9.53	37.07	0.06	7.02	9.15	46.56	0.02
SQU-US	2025-10-04 07:30:00	9.53	37.20	0.06	7.01	9.32	43.04	0.02
SQU-US	2025-10-04 07:45:00	9.52	37.06	0.06	7.02	9.50	59.58	0.02
SQU-US	2025-10-04 08:00:00	9.52	36.98	0.06	7.03	9.62	62.94	0.02
SQU-US	2025-10-04 08:15:00	9.51	37.16	0.06	6.99	9.72	47.87	0.02
SQU-US	2025-10-04 08:30:00	9.52	37.38	0.06	7.01	9.82	52.26	0.02
SQU-US	2025-10-04 08:45:00	9.52	37.10	0.06	6.99	9.90	56.81	0.02
SQU-US	2025-10-04 09:00:00	9.52	37.13	0.06	7.01	9.91	44.26	0.02
SQU-US	2025-10-04 09:15:00	9.54	37.41	0.06	7.00	9.94	36.73	0.02
SQU-US	2025-10-04 09:30:00	9.57	37.21	0.07	6.99	9.99	44.17	0.02
SQU-US	2025-10-04 09:45:00	9.58	37.34	0.07	6.98	10.02	51.03	0.02
SQU-US	2025-10-04 10:00:00	9.62	37.58	0.06	7.01	10.01	38.01	0.02
SQU-US	2025-10-04 10:15:00	9.66	37.97	0.07	6.99	10.07	41.06	0.02
SQU-US	2025-10-04 10:30:00	9.69	37.97	0.07	6.98	10.13	35.94	0.02
SQU-US	2025-10-04 10:45:00	9.72	38.34	0.07	7.00	10.13	40.60	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	2025-10-04 11:00:00	9.75	38.52	0.07	6.98	10.13	42.43	0.02
SQU-US	2025-10-04 11:15:00	9.79	38.42	0.07	6.98	10.14	41.09	0.02
SQU-US	2025-10-04 11:30:00	9.85	38.84	0.07	6.91	10.18	41.67	0.02
SQU-US	2025-10-04 11:45:00	9.93	39.16	0.07	6.99	10.15	42.29	0.02
SQU-US	2025-10-04 12:00:00	10.03	39.15	0.07	6.95	10.11	46.12	0.02
SQU-US	2025-10-04 12:15:00	10.10	40.22	0.07	7.00	11.26	62.24	0.02
SQU-US	2025-10-04 12:30:00	10.14	40.30	0.07	7.00	11.25	49.00	0.02
SQU-US	2025-10-04 12:45:00	10.16	39.83	0.07	7.01	11.25	54.51	0.02
SQU-US	2025-10-04 13:00:00	10.22	39.87	0.07	7.00	11.24	51.80	0.02
SQU-US	2025-10-04 13:15:00	10.29	40.18	0.07	7.02	11.24	53.14	0.02
SQU-US	2025-10-04 13:30:00	10.33	40.01	0.07	7.02	11.22	48.37	0.02
SQU-US	2025-10-04 13:45:00	10.36	40.11	0.07	7.02	11.23	66.94	0.02
SQU-US	2025-10-04 14:00:00		40.26			11.21		0.02
SQU-US	2025-10-04 14:15:00	10.43	40.09	0.07	6.99	11.21	42.52	0.02
SQU-US	2025-10-04 14:30:00	10.46	40.14	0.07	7.03	11.21	37.88	0.02
SQU-US	2025-10-04 14:45:00	10.47	39.91	0.07	7.03	11.22	48.03	0.02
SQU-US	2025-10-04 15:00:00	10.49	39.81	0.07	7.05	11.23	57.19	0.02
SQU-US	2025-10-04 15:15:00	10.51	39.44	0.06	7.08	11.24	37.74	0.02
SQU-US	2025-10-04 15:30:00	10.52	39.69	0.07	7.05	11.25	41.09	0.02
SQU-US	2025-10-04 15:45:00	10.52	39.42	0.07	7.06	11.24	53.06	0.02
SQU-US	2025-10-04 16:00:00	10.52	39.46	0.07	7.06	11.24	36.03	0.02
SQU-US	2025-10-04 16:15:00	10.51	39.11	0.07	7.08	11.26	40.69	0.02
SQU-US	2025-10-04 16:30:00	10.49	39.28	0.07	7.07	11.26	52.25	0.02
SQU-US	2025-10-04 16:45:00	10.46	39.61	0.08	7.09	11.26	50.39	0.02
SQU-US	2025-10-04 17:00:00	10.41	39.73	0.08	7.09	11.25	40.56	0.02
SQU-US	2025-10-04 17:15:00	10.35	40.16	0.08	7.09	11.24	36.91	0.02
SQU-US	2025-10-04 17:30:00	10.29	40.77	0.08	7.09	11.23	43.48	0.02
SQU-US	2025-10-04 17:45:00	10.23	41.89	0.09	7.02	11.21	69.09	0.02
SQU-US	2025-10-04 18:00:00	10.20	45.08	0.08	6.99	11.10	52.58	0.02
SQU-US	2025-10-04 18:15:00	10.17	44.22	0.07	6.97	11.09	50.42	0.02
SQU-US	2025-10-04 18:30:00	10.15	44.91	0.07	6.97	11.08	43.32	0.02
SQU-US	2025-10-04 18:45:00	10.12	44.60	0.06	7.01	11.09	54.02	0.02
SQU-US	2025-10-04 19:00:00	10.10	44.20	0.06	6.99	11.11	52.32	0.02
SQU-US	2025-10-04 19:15:00	10.09	43.58	0.06	6.99	11.15	44.54	0.02
SQU-US	2025-10-04 19:30:00	10.07	43.48	0.06	7.02	11.15	49.45	0.02
SQU-US	2025-10-04 19:45:00	10.07	43.54	0.06	7.01	11.14	45.86	0.02
SQU-US	2025-10-04 20:00:00	10.05	43.24	0.06	7.03	11.14	45.25	0.02
SQU-US	2025-10-04 20:15:00	10.06	43.41	0.07	6.98	11.13	47.44	0.02
SQU-US	2025-10-04 20:30:00	10.06	42.95	0.06	7.01	11.13	40.13	0.02
SQU-US	2025-10-04 20:45:00	10.08	43.21	0.07	6.98	11.11	49.04	0.02
SQU-US	2025-10-04 21:00:00	10.06	42.67	0.06	7.02	11.13	55.38	0.02
SQU-US	2025-10-04 21:15:00	10.05	42.34	0.06	7.00	11.13	59.07	0.02
SQU-US	2025-10-04 21:30:00	10.04	42.19	0.06	6.99	11.14	56.62	0.02
SQU-US	2025-10-04 21:45:00	10.05	42.67	0.07	6.98	11.12	43.37	0.02
SQU-US	2025-10-04 22:00:00	10.02	42.18	0.06	6.97	11.15	45.06	0.02
SQU-US	2025-10-04 22:15:00	10.01	42.56	0.07	6.94	11.15	47.03	0.02
SQU-US	2025-10-04 22:30:00	9.99	42.28	0.07	6.93	11.16	38.38	0.02
SQU-US	2025-10-04 22:45:00	9.96	42.65	0.06	6.99	11.16	49.79	0.02
SQU-US	2025-10-04 23:00:00	9.95	42.66	0.06	7.00	11.17	43.15	0.02
SQU-US	2025-10-04 23:15:00	9.93	42.50	0.07	6.94	11.19	36.11	0.02
SQU-US	2025-10-04 23:30:00	9.92	42.24	0.07	6.95	11.19	38.85	0.02
SQU-US	2025-10-04 23:45:00	9.87	42.50	0.06	6.98	11.21	38.92	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	2025-10-05 00:00:00	9.86	42.39	0.06	7.00	11.21	40.23	0.02
SQU-US	2025-10-05 00:15:00	9.83	42.77	0.06	7.01	11.20	36.86	0.02
SQU-US	2025-10-05 00:30:00	9.80	42.77	0.06	7.01	11.22	41.89	0.02
SQU-US	2025-10-05 00:45:00	9.77	42.33	0.06	7.01	11.23	40.56	0.02
SQU-US	2025-10-05 01:00:00	9.75	42.62	0.06	7.01	11.23	40.81	0.02
SQU-US	2025-10-05 01:15:00	9.71	43.04	0.07	6.97	11.23	50.09	0.02
SQU-US	2025-10-05 01:30:00	9.69	42.12	0.06	7.01	11.26	44.85	0.02
SQU-US	2025-10-05 01:45:00	9.65	41.90	0.06	6.98	11.27	49.53	0.02
SQU-US	2025-10-05 02:00:00	9.62	41.96	0.06	7.02	11.28	56.71	0.02
SQU-US	2025-10-05 02:15:00	9.58	42.43	0.06	7.04	11.28	44.45	0.02
SQU-US	2025-10-05 02:30:00	9.55	42.49	0.06	7.01	11.29	41.31	0.02
SQU-US	2025-10-05 02:45:00	9.50	42.60	0.06	7.03	11.30	47.57	0.02
SQU-US	2025-10-05 03:00:00	9.47	42.50	0.06	7.04	11.31	44.58	0.02
SQU-US	2025-10-05 03:15:00	9.43	42.34	0.06	7.06	11.33	52.14	0.02
SQU-US	2025-10-05 03:30:00	9.39	42.93	0.06	7.05	11.34	59.20	0.02
SQU-US	2025-10-05 03:45:00	9.35	42.89	0.06	7.05	11.34	44.05	0.02
SQU-US	2025-10-05 04:00:00	9.31	42.70	0.06	7.06	11.37	41.85	0.02
SQU-US	2025-10-05 04:15:00	9.28	42.70	0.06	7.07	11.38	38.32	0.02
SQU-US	2025-10-05 04:30:00	9.25	42.84	0.06	7.08	11.39	41.06	0.02
SQU-US	2025-10-05 04:45:00	9.21	42.69	0.06	7.10	11.41	40.82	0.02
SQU-US	2025-10-05 05:00:00	9.18	42.74	0.06	7.07	11.40	32.85	0.02
SQU-US	2025-10-05 05:15:00	9.14	42.89	0.06	7.10	11.41	38.87	0.02
SQU-US	2025-10-05 05:30:00	9.12	43.05	0.06	7.09	11.41	55.13	0.02
SQU-US	2025-10-05 05:45:00	9.08	43.04	0.06	7.10	11.43	42.66	0.02
SQU-US	2025-10-05 06:00:00	9.04	43.22	0.06	7.04	11.42	56.92	0.02
SQU-US	2025-10-05 06:15:00	9.02	43.16	0.06	7.06	11.43	37.96	0.02
SQU-US	2025-10-05 06:30:00	8.97	42.96	0.06	7.07	11.45	38.88	0.02
SQU-US	2025-10-05 06:45:00	8.95	42.83	0.06	7.01	11.45	36.14	0.02
SQU-US	2025-10-05 07:00:00	8.92	42.88	0.06	7.03	11.47	46.67	0.02
SQU-US	2025-10-05 07:15:00	8.91	42.59	0.06	7.02	11.47	43.71	0.02
SQU-US	2025-10-05 07:30:00	8.87	42.68	0.07	6.99	11.48	41.53	0.02
SQU-US	2025-10-05 07:45:00	8.84	43.07	0.06	7.03	11.51	35.72	0.02
SQU-US	2025-10-05 08:00:00	8.81	42.86	0.07	6.96	11.51	39.33	0.02
SQU-US	2025-10-05 08:15:00	8.79	42.91	0.07	6.97	11.53	37.33	0.02
SQU-US	2025-10-05 08:30:00	8.78	42.93	0.06	7.02	11.52	41.01	0.02
SQU-US	2025-10-05 08:45:00	8.77	42.84	0.06	7.01	11.53	42.27	0.02
SQU-US	2025-10-05 09:00:00	8.77	42.69	0.06	6.99	11.54	37.14	0.02
SQU-US	2025-10-05 09:15:00	8.79	42.45	0.06	7.00	11.55	148.95	0.02
SQU-US	2025-10-05 09:30:00	8.79	43.01	0.06	7.00	11.55	121.56	0.02
SQU-US	2025-10-05 09:45:00	8.83	42.55	0.06	7.00	11.56	60.95	0.02
SQU-US	2025-10-05 10:00:00	8.87	42.68	0.07	6.98	11.56	1.09	0.02
SQU-US	2025-10-05 10:15:00	8.92	32.35	0.07	7.00	11.55	43.76	0.01
SQU-US	2025-10-05 10:30:00	8.97	42.92	0.07	6.98	11.56	1.15	0.02
SQU-US	2025-10-05 10:45:00	9.04	38.05	0.07	6.98	11.54	2.72	0.02
SQU-US	2025-10-05 11:00:00	9.11	26.49	0.07	7.03	11.53	1.07	0.01
SQU-US	2025-10-05 11:15:00	9.17	30.94	0.07	7.05	11.53	53.11	0.01
SQU-US	2025-10-05 11:30:00	9.24	41.86	0.07	7.02	11.51	1.12	0.02
SQU-US	2025-10-05 11:45:00	9.30	44.10	0.07	7.00	11.52	45.30	0.02
SQU-US	2025-10-05 12:00:00	9.36	42.99	0.07	7.01	11.51	1.08	0.02
SQU-US	2025-10-05 12:15:00	9.41	32.16	0.07	7.06	11.52	2.03	0.01
SQU-US	2025-10-05 12:30:00	9.48	31.22	0.07	7.10	11.50	1.21	0.01
SQU-US	2025-10-05 12:45:00	9.54	19.69	0.07	7.14	11.50	1.04	0.01

Squamish River								
Station	Date/Time	Temperature (C)	Specific Conductivity (µS/cm)	ORP (V)	pH (pH units)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	Salinity (PSU)
SQU-US	2025-10-05 13:00:00	9.60	3.75	0.06	7.17	11.49	1.04	0.00
SQU-US	2025-10-05 13:15:00	9.65	12.90	0.07	7.16	11.48	1.06	0.00
SQU-US	2025-10-05 13:30:00	9.70	1.17	0.06	7.23	11.49	1.14	0.00
SQU-US	2025-10-05 13:45:00	9.75	0.00	0.06	7.28	11.51	1.06	0.00
SQU-US	2025-10-05 14:00:00	9.79	0.00	0.06	7.26	11.50	1.34	0.00
SQU-US	2025-10-05 14:15:00	9.81	11.87	0.06	7.20	11.46	1.09	0.00
SQU-US	2025-10-05 14:30:00	9.83	29.56	0.07	7.12	11.45	1.07	0.01
SQU-US	2025-10-05 14:45:00	9.84	44.68	0.06	7.10	11.44	30.23	0.02
SQU-US	2025-10-05 15:00:00	9.84	44.56	0.06	7.10	11.44	36.58	0.02
SQU-US	2025-10-05 15:15:00	9.83	44.07	0.06	7.08	11.44	60.59	0.02
SQU-US	2025-10-05 15:30:00	9.83	44.43	0.06	7.09	11.45	41.03	0.02
SQU-US	2025-10-05 15:45:00	9.83	44.54	0.07	7.10	11.44	42.14	0.02
SQU-US	2025-10-05 16:00:00	9.81	44.33	0.07	7.10	11.43	110.26	0.02
SQU-US	2025-10-05 16:15:00	9.80	44.95	0.07	7.07	11.44	50.06	0.02
SQU-US	2025-10-05 16:30:00	9.78	44.65	0.07	7.07	11.43	35.78	0.02
SQU-US	2025-10-05 16:45:00	9.74	45.01	0.07	7.09	11.43	43.70	0.02
SQU-US	2025-10-05 17:00:00	9.68	44.82	0.07	7.10	11.46	36.99	0.02
SQU-US	2025-10-05 17:15:00	9.58	44.77	0.07	7.08	11.48	29.35	0.02
SQU-US	2025-10-05 17:30:00	9.50	45.13	0.07	7.11	11.49	31.29	0.02
SQU-US	2025-10-05 17:45:00	9.39	45.75	0.08	7.10	11.48	31.96	0.02
SQU-US	2025-10-05 18:00:00	9.34	46.21	0.07	7.08	11.44	36.82	0.02
SQU-US	2025-10-05 18:15:00	9.29	47.19	0.07	7.06	11.44	36.63	0.02
SQU-US	2025-10-05 18:30:00	9.23	47.18	0.07	7.05	11.43	37.19	0.02
SQU-US	2025-10-05 18:45:00	9.22	47.51	0.07	7.07	11.42	33.44	0.02
SQU-US	2025-10-05 19:00:00	9.20	47.06	0.07	7.06	11.44	36.56	0.02
SQU-US	2025-10-05 19:15:00	9.16	46.62	0.07	7.06	11.45	60.52	0.02
SQU-US	2025-10-05 19:30:00	9.18	47.08	0.07	7.06	11.44	27.89	0.02
SQU-US	2025-10-05 19:45:00	9.15	46.63	0.07	7.05	11.45	40.05	0.02
SQU-US	2025-10-05 20:00:00	9.13	47.20	0.07	7.00	11.44	38.23	0.02
SQU-US	2025-10-05 20:15:00	9.15	46.99	0.07	7.06	11.43	30.40	0.02
SQU-US	2025-10-05 20:30:00	9.15	46.37	0.07	6.95	11.44	66.72	0.02
SQU-US	2025-10-05 20:45:00	9.14	0.00	0.06	7.26	11.81	1.26	0.00
SQU-US	2025-10-05 21:00:00	9.11	0.00	0.06	7.24	11.85	1.21	0.00
SQU-US	2025-10-05 21:15:00	9.05	0.00	0.06	7.21	11.86	1.11	0.00
SQU-US	2025-10-05 21:30:00	8.97	0.00	0.07	7.17	11.87	1.12	0.00
SQU-US	2025-10-05 21:45:00	8.87	0.00	0.07	7.14	11.90	1.13	0.00
SQU-US	2025-10-05 22:00:00	8.79	0.00	0.07	7.11	11.94	1.11	0.00
SQU-US	2025-10-05 22:15:00	8.72	0.00	0.07	7.08	11.95	1.07	0.00
SQU-US	2025-10-05 22:30:00	8.64	0.00	0.08	7.04	11.97	1.08	0.00
SQU-US	2025-10-05 22:45:00	8.58	0.00	0.08	7.00	11.99	1.01	0.00
SQU-US	2025-10-05 23:00:00	8.51	0.00	0.08	6.96	12.01	1.05	0.00
SQU-US	2025-10-05 23:15:00	8.45	0.00	0.09	6.92	12.04	1.07	0.00
SQU-US	2025-10-05 23:30:00	8.39	0.00	0.09	6.89	12.05	1.03	0.00
SQU-US	2025-10-05 23:45:00	8.34	0.00	0.09	6.85	12.07	1.05	0.00



Water Quality Field Data Sheet



Project: FORTIS11234

Location Information			
Site ID:	<u>SQU DS</u>		Date: <u>October 1, 2025</u>
Site Name:	<u>Squamish River</u>		Time: <u>13:33</u>
Site UTM:	Zone: <u>E:</u>		Crew: <u>JM</u>
(NAD83)	N: <u></u>		Weather: <u>Overcast, rain</u>

In Situ Parameters			
pH:	<u>7.36</u>	DO:	<u>-</u> (mg/L)
Temp.:	<u>11.2</u> (°C)	Cond:	<u>-</u> (us)
Turbidity:	<u>114</u> NTU		
Visible Sheen:	<u>N</u>		
Water Surface Condition:	<u>Turbid</u>		

Photo Record	
Photo	 Oct 1, 2025 1:37:09 p.m. 10U 488089 5508116 234° SW Index number: 1984

Observations

Water Quality Field Data Sheet



Project: FORTIS11234

Location Information

Site ID: SOU US Date: October 1, 2025
Site Name: Squamish River Time: 14:00
Site UTM: Zone: E: Crew: JM
(NAD83) N: Weather: Overcast, Rain

In Situ Parameters

pH: 6.84 DO: - (mg/L)
Temp.: 13.7 (°C) Cond: - (us)
Turbidity: 140 NTU
Visible Sheen: N
Water Surface Condition: Turbid

Photo Record

Photo



Observations

 Eagle Mountain - Woodfibre Gas Pipeline Project Waste Discharge Permit PE-110163 Report	Reporting Week	Sept 29 th to Oct 5 th , 2025
	Report #	80
	Appendix C	C-1

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

 Eagle Mountain - Woodfibre Gas Pipeline Project Waste Discharge Permit PE-110163 Report	Reporting Week	Sept 29 th to Oct 5 th , 2025
	Report #	80
	Appendix C	C-2

Woodfibre Site Sample Analysis



Analyte	Unit	BC Approved Water Quality Guideline - Freshwater Aquatic Life - Long Term Average (Non- reportable)	BC Approved Water Quality Guideline - Freshwater Aquatic Life - Short Term Max (Reportable)	BC Working Water Quality Guideline - Freshwater Aquatic Life - Long Term Average (Non- reportable)	BC Approved Water Quality Guideline - Marine Aquatic Life - Long Term Average (Non- reportable)	BC Approved Water Quality Guideline - Marine Aquatic Life - Short Term Max (Non-reportable)	BC Working Water Quality Guideline - Marine Aquatic Life - Long Term Average (Non- reportable)	WLNG EOP 2025-10-01 09:17:00
In situ Parameters								
Field pH	pH Units		6.5 - 9		7 - 8.7			6.82
Field Temperature	°C	18	19					11.7
General Parameters								
pH	pH Units							7.5
Alkalinity (Total as CaCO ₃)	mg/L							53
Alkalinity (PP as CaCO ₃)	mg/L							<1
Hardness (CaCO ₃)-Total	mg/L							57.1
Hardness (CaCO ₃)-Dissolved	mg/L							61
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	21.4		20		131	<0.015
Bicarbonate (HCO ₃)	mg/L							65
Carbonate (CO ₃)	mg/L							<1
Hydroxide (OH)	mg/L							<1
Nitrate (N)	mg/L	3	32.8		3.7			<0.02
Nitrite (N)	mg/L	0.2	0.6					<0.005
Nitrate plus Nitrite (N)	mg/L							<0.02
Nitrogen (N)-Total	mg/L							0.111
Phosphorus (P)-Total (4500-P)	mg/L							0.0036
Bromide (Br)	mg/L							<0.01
Chloride (Cl)	mg/L	150	600					11
Fluoride (F)	mg/L		1.109			1.5		0.23
Sulphate (SO ₄)-Dissolved	mg/L	218						12

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

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

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Analyte	Unit	BC Approved Water Quality Guideline - Freshwater Aquatic Life - Long Term Average (Non- reportable)	BC Approved Water Quality Guideline - Freshwater Aquatic Life - Short Term Max (Reportable)	BC Working Water Quality Guideline - Freshwater Aquatic Life - Long Term Average (Non- reportable)	BC Approved Water Quality Guideline - Marine Aquatic Life - Long Term Average (Non- reportable)	BC Approved Water Quality Guideline - Marine Aquatic Life - Short Term Max (Non-reportable)	BC Working Water Quality Guideline - Marine Aquatic Life - Long Term Average (Non- reportable)	WLNG EOP 2025-10-01 09:17:00
Total Metals								
Aluminum (Al)-Total	mg/L	0.039094						0.155
Antimony (Sb)-Total	mg/L	0.074	0.25					0.000395
Arsenic (As)-Total	mg/L	0.005			0.0125			0.000931
Barium (Ba)-Total	mg/L			1				0.00466
Beryllium (Be)-Total	mg/L			0.00013			0.1	<0.00001
Bismuth (Bi)-Total	mg/L							<0.00001
Boron (B)-Total	mg/L	1.2			1.2			0.011
Cadmium (Cd)-Total	mg/L						0.00012	0.0000078
Calcium (Ca)-Total	mg/L							21.3
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							0.00003
Copper (Cu)-Total	mg/L				0.002	0.003		0.00056
Iron (Fe)-Total	mg/L		1					0.0595
Lead (Pb)-Total	mg/L				0.002	0.14		0.000062
Lithium (Li)-Total	mg/L							0.00284
Magnesium (Mg)-Total	mg/L							0.98
Manganese (Mn)-Total	mg/L	0.856	1.169				0.1	0.0244
Mercury (Hg)-Total	mg/L	0.00002			0.00002			<0.0000019
Molybdenum (Mo)-Total	mg/L	7.6	46					0.023
Nickel (Ni)-Total	mg/L						0.0083	<0.0001
Phosphorus (P)-Total (ICPMS)	mg/L							0.0057
Potassium (K)-Total	mg/L							1.42
Rubidium (Rb)-Total	mg/L							0.00326
Selenium (Se)-Total	mg/L	0.002			0.002			<0.00004
Silicon (Si)-Total	mg/L							6.01
Silver (Ag)-Total	mg/L	0.00012			0.0005	0.0037	0.0005	<0.00001
Sodium (Na)-Total	mg/L							5.79
Strontium (Sr)-Total	mg/L							0.0458
Sulphur (S)-Total	mg/L							3.3
Tellurium (Te)-Total	mg/L							<0.00002
Thallium (Tl)-Total	mg/L			0.00003				0.0000112
Thorium (Th)-Total	mg/L							<0.00005
Tin (Sn)-Total	mg/L							<0.0002
Titanium (Ti)-Total	mg/L							<0.002
Uranium (U)-Total	mg/L		0.0165	0.0075				0.000286
Vanadium (V)-Total	mg/L			0.06			0.005	<0.0002
Zinc (Zn)-Total	mg/L				0.01	0.055		0.0024
Zirconium (Zr)-Total	mg/L							<0.0001

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

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Analyte	Unit	BC Approved Water Quality Guideline - Freshwater Aquatic Life - Long Term Average (Non- reportable)	BC Approved Water Quality Guideline - Freshwater Aquatic Life - Short Term Max (Reportable)	BC Working Water Quality Guideline - Freshwater Aquatic Life - Long Term Average (Non- reportable)	BC Approved Water Quality Guideline - Marine Aquatic Life - Long Term Average (Non- reportable)	BC Approved Water Quality Guideline - Marine Aquatic Life - Short Term Max (Non-reportable)	BC Working Water Quality Guideline - Marine Aquatic Life - Long Term Average (Non- reportable)	WLNG EOP 2025-10-01 09:17:00
Dissolved Metals								
Aluminum (Al)-Dissolved	mg/L							0.0401
Antimony (Sb)-Dissolved	mg/L							0.000425
Arsenic (As)-Dissolved	mg/L							0.000968
Barium (Ba)-Dissolved	mg/L							0.00441
Beryllium (Be)-Dissolved	mg/L							<0.00001
Bismuth (Bi)-Dissolved	mg/L							<0.000005
Boron (B)-Dissolved	mg/L							<0.01
Cadmium (Cd)-Dissolved	mg/L	0.00014	0.00033					0.0000078
Calcium (Ca)-Dissolved	mg/L							22.7
Cesium (Cs)-Dissolved	mg/L							<0.00005
Chromium (Cr)-Dissolved	mg/L							<0.0001
Cobalt (Co)-Dissolved	mg/L	0.000404						0.0000241
Copper (Cu)-Dissolved	mg/L	0.0002	0.0002					0.000353
Iron (Fe)-Dissolved	mg/L		0.35					<0.001
Lead (Pb)-Dissolved	mg/L	0.001529						<0.000005
Lithium (Li)-Dissolved	mg/L							0.00284
Manganese (Mn)-Dissolved	mg/L							0.0233
Magnesium (Mg)-Dissolved	mg/L							1.04
Mercury (Hg)-Dissolved	mg/L							<0.0000019
Molybdenum (Mo)-Dissolved	mg/L							0.0246
Nickel (Ni)-Dissolved	mg/L	0.001	0.0177					0.000118
Phosphorus (P)-Dissolved	mg/L							0.0043
Potassium (K)-Dissolved	mg/L							1.51
Rubidium (Rb)-Dissolved	mg/L							0.0034
Selenium (Se)-Dissolved	mg/L							<0.00004
Silicon (Si)-Dissolved	mg/L							6.11
Silver (Ag)-Dissolved	mg/L							<0.000005
Sodium (Na)-Dissolved	mg/L							6.37
Strontium (Sr)-Dissolved	mg/L				1.25			0.0489
Sulphur (S)-Dissolved	mg/L							4
Tellurium (Te)-Dissolved	mg/L							<0.00002
Thallium (Tl)-Dissolved	mg/L							0.0000123
Thorium (Th)-Dissolved	mg/L							<0.000005
Tin (Sn)-Dissolved	mg/L							<0.0002
Titanium (Ti)-Dissolved	mg/L							<0.0005
Uranium (U)-Dissolved	mg/L							0.000204
Vanadium (V)-Dissolved	mg/L							<0.0002
Zinc (Zn)-Dissolved	mg/L	0.007862	0.022569					0.00195
Zirconium (Zr)-Dissolved	mg/L							<0.0001

¹ Guideline calculated using the in-situ measurements (pH (field),Temperature (field), Turbidity (field), Hardness (as CaCQ₃) – total, Dissolved Organic Carbon (DOC), Total Alkalinity (CaCQ₃), and Chloride).

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Analyte	Unit	BC Approved Water Quality Guideline - Freshwater Aquatic Life - Long Term Average (Non- reportable)	BC Approved Water Quality Guideline - Freshwater Aquatic Life - Short Term Max (Reportable)	BC Working Water Quality Guideline - Freshwater Aquatic Life - Long Term Average (Non- reportable)	BC Approved Water Quality Guideline - Marine Aquatic Life - Long Term Average (Non- reportable)	BC Approved Water Quality Guideline - Marine Aquatic Life - Short Term Max (Non-reportable)	BC Working Water Quality Guideline - Marine Aquatic Life - Long Term Average (Non- reportable)	WLNG EOP 2025-10-01 09:17:00
Inorganics								
Organic Carbon (C)-Total	mg/L							0.85
Organic Carbon (C)-Dissolved	mg/L							0.7
Solids-Total Dissolved	mg/L							84
Solids-Total Suspended	mg/L	17	37					6.4
Organics								
HEPH (C19-C32 less PAH)	mg/L							<0.2
LEPH (C10-C19 less PAH)	mg/L							<0.2
EPH (C10-C19)	mg/L							<0.2
EPH (C19-C32)	mg/L							<0.2
Ethylene Glycol	mg/L							<3
Diethylene Glycol	mg/L							<5
Triethylene Glycol	mg/L							<5
Propylene Glycol	mg/L							<5
Acenaphthene	mg/L	0.006			0.006			<0.00005
Acenaphthylene	mg/L							<0.00005
Acridine	mg/L	0.003						<0.00005
Anthracene	mg/L	0.004						<0.00001
Benzo(a)anthracene	mg/L	0.0001						<0.00001
Benzo(a)pyrene	mg/L	0.00001			0.00001			<0.000005
Benzo(b&j)fluoranthene	mg/L							<0.00003
Benzo(g,h,i)perylene	mg/L							<0.00005
Benzo(k)fluoranthene	mg/L							<0.00005
Chrysene	mg/L				0.0001			<0.00002
Dibenz(a,h)anthracene	mg/L							<0.000003
Fluoranthene	mg/L	0.004						<0.00002
Fluorene	mg/L	0.012			0.012			<0.00005
Indeno(1,2,3-cd)pyrene	mg/L							<0.00005
1-Methylnaphthalene	mg/L				0.001			<0.00005
2-Methylnaphthalene	mg/L				0.001			<0.0001
Naphthalene	mg/L	0.001	0.001		0.001			<0.0001
Phenanthrene	mg/L	0.0003						<0.00005
Pyrene	mg/L							<0.00002
Quinoline	mg/L							<0.00002
Low Molecular Weight PAH's	mg/L							<0.0001
High Molecular Weight PAH's	mg/L							<0.00005
Total PAH	mg/L							<0.0001
VH C6-C10	mg/L							<0.3
1,1,1,2-Tetrachloroethane	mg/L							<0.0005
1,1,1-Trichloroethane	mg/L							<0.0005
1,1,2,2-Tetrachloroethane	mg/L							<0.0005

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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.

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Analyte	Unit	BC Approved Water Quality Guideline - Freshwater Aquatic Life - Long Term Average (Non- reportable)	BC Approved Water Quality Guideline - Freshwater Aquatic Life - Short Term Max (Reportable)	BC Working Water Quality Guideline - Freshwater Aquatic Life - Long Term Average (Non- reportable)	BC Approved Water Quality Guideline - Marine Aquatic Life - Long Term Average (Non- reportable)	BC Approved Water Quality Guideline - Marine Aquatic Life - Short Term Max (Non-reportable)	BC Working Water Quality Guideline - Marine Aquatic Life - Long Term Average (Non- reportable)	WLNG EOP 2025-10-01 09:17:00
Organics (cont'd.)								
1,1,2Trichloro-1,2,2Trifluoroethane	mg/L							<0.002
1,1,2- Trichloroethane	mg/L							<0.0005
1,1-Dichloroethane	mg/L							<0.0005
1,1-Dichloroethene	mg/L							<0.0005
1,2,3-trichlorobenzene	mg/L			0.008				<0.002
1,2,4-trichlorobenzene	mg/L			0.024			0.0054	<0.002
1,2-dibromoethane	mg/L							<0.0002
1,2-Dichlorobenzene	mg/L			0.0007			0.042	<0.0005
1,2-Dichloroethane	mg/L			0.1				<0.0005
1,2-Dichloropropane	mg/L							<0.0005
1,3,5-trimethylbenzene	mg/L							<0.002
1,3-Butadiene	mg/L							<0.0005
1,3-Dichlorobenzene	mg/L			0.15				<0.0005
1,3-dichloropropane	mg/L							<0.001
1,4-Dichlorobenzene	mg/L			0.026				<0.0005
Benzene	mg/L	0.04			0.11			<0.0004
Bromobenzene	mg/L							<0.002
Bromodichloromethane	mg/L							<0.001
Bromoform	mg/L							<0.001
Bromomethane	mg/L							<0.001
Carbon tetrachloride	mg/L							<0.0005
Chlorobenzene	mg/L			0.0013			0.025	<0.0005
Chloroethane	mg/L							<0.001
Chloroform	mg/L							<0.001
Chloromethane	mg/L							<0.001
cis-1,2-Dichloroethene	mg/L							<0.001
cis-1,3-Dichloropropene	mg/L							<0.001
Dibromochloromethane	mg/L							<0.001
Dichlorodifluoromethane	mg/L							<0.002
Dichloromethane	mg/L			0.0981				<0.002
Ethylbenzene	mg/L	0.2			0.25			<0.0004
Hexachlorobutadiene	mg/L							<0.0005
Isopropylbenzene	mg/L							<0.002
Methyl-tert-butylether (MTBE)	mg/L		3.4			0.44		<0.004
Styrene	mg/L			0.072				<0.0005
Tetrachloroethene	mg/L							<0.0005
Toluene	mg/L	0.0005						<0.0004
trans-1,2-dichloroethene	mg/L							<0.001
trans-1,3-dichloropropene	mg/L							<0.001
Trichloroethene	mg/L							<0.0005

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

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

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

Analyte	Unit	BC Approved Water Quality Guideline - Freshwater Aquatic Life - Long Term Average (Non- reportable)	BC Approved Water Quality Guideline - Freshwater Aquatic Life - Short Term Max (Reportable)	BC Working Water Quality Guideline - Freshwater Aquatic Life - Long Term Average (Non- reportable)	BC Approved Water Quality Guideline - Marine Aquatic Life - Long Term Average (Non- reportable)	BC Approved Water Quality Guideline - Marine Aquatic Life - Short Term Max (Non-reportable)	BC Working Water Quality Guideline - Marine Aquatic Life - Long Term Average (Non- reportable)	WLNG EOP 2025-10-01 09:17:00
Organics (cont'd.)								
Trichlorofluoromethane	mg/L							<0.004
Vinyl chloride	mg/L							<0.0005
VPH (VH6 to 10 - BTEX)	mg/L							<0.3
Xylenes (Total)	mg/L	0.03						<0.0004
m & p-Xylene	mg/L							<0.0004
o-Xylene	mg/L							<0.0004
Phenols	mg/L		0.05					<0.0015

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

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

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

 Eagle Mountain - Woodfibre Gas Pipeline Project Waste Discharge Permit PE-110163 Report	Reporting Week	Sept 29 th to Oct 5 th , 2025
	Report #	80
	Appendix C	C-3

Woodfibre Site WTP Discharge Field Notes and Logs

		Eagle Mountain- Woodfibre Gas Pipeline Project- Tunnel Scope	
Title	WoodFibre Weekly Water Discharge Report	Revision:	0
Data Date Range	September 29, 2025 to October 05, 2025	Prepared by: SD Approved by: BC2 Date: October 15, 2025	

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

Appendices:

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

1. Executive Summary and Field Notes:

The discharged water consistently remained within regulatory guidelines. The key parameters, including temperature, NTU, salinity, conductivity, and oxidation-reduction potential (ORP), were monitored throughout the discharge process and remained within the prescribed limits. No visible sheen observed on top of the WTP tanks and discharged water. All relevant parameters were measured using YSI instruments and WTP probes. The total discharge volume up to September 29 was 639,150 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
September 29	Woodfibre (WF)	2,437	Exceeded discharge volume limit
September 30	WF	2,309	Exceeded discharge volume limit
October 01	WF	2,321	Exceeded discharge volume limit
October 02	WF	2,399	Exceeded discharge volume limit
October 03	WF	2,782	Exceeded discharge volume limit
October 04	WF	2,792	Exceeded discharge volume limit
October 05	WF	2,676	Exceeded discharge volume limit
Total		17,716	None

		Eagle Mountain- Woodfibre Gas Pipeline Project- Tunnel Scope	
Title	WoodFibre Weekly Water Discharge Report	Revision:	0
Data Date Range	September 29, 2025 to October 05, 2025	Prepared by: Approved by: Date:	SD BC2 October 15, 2025

2. Discharge Parameter Summary:

Table 2: Discharge Parameter Summary

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
9/29/2025	0:00:00	7.1	2.282	0.7	639,150	12.6	286
9/29/2025	0:15:00	7.1	2.551	0.5	639,169	12.7	286
9/29/2025	0:30:00	7.1	2.494	0	639,207	12.6	286
9/29/2025	0:45:00	7.2	2.188	19.9	639,239	12.6	284
9/29/2025	1:00:00	7.1	2.778	1.4	639,263	12.6	284
9/29/2025	1:15:00	7.1	2.744	1.5	639,304	12.6	281
9/29/2025	1:30:00	7.3	2.067	7.4	639,338	12.6	281
9/29/2025	1:45:00	7.4	2.680	11.7	639,353	13.2	286
9/29/2025	2:00:00	7.1	2.070	0	639,392	12.9	283
9/29/2025	2:15:00	7.3	2.846	2.1	639,428	12.9	282
9/29/2025	2:30:00	7.1	2.612	1.2	639,468	13	284
9/29/2025	3:00:00	7.2	2.737	1.9	639,523	13	282
9/29/2025	3:30:00	6.9	2.362	1.3	639,578	13.1	286
9/29/2025	3:45:00	6.9	2.718	2.8	639,619	13.1	283
9/29/2025	4:00:00	6.9	2.180	5.6	639,659	13.1	281
9/29/2025	4:30:00	6.9	2.536	0	639,707	13.2	278
9/29/2025	4:45:00	7	2.097	2.2	639,743	13.3	281
9/29/2025	5:00:00	6.9	2.774	1.3	639,781	13.2	281
9/29/2025	5:15:00	6.9	2.752	3	639,801	13.4	279
9/29/2025	5:30:00	6.8	2.222	1.7	639,836	13.3	274
9/29/2025	6:00:00	6.9	2.131	2	639,884	13.3	278

Title WoodFibre Weekly Water Discharge Report

Revision:
0
Data Date Range
September 29, 2025 to October 05, 2025
Prepared by:
SD
Approved by:
BC2
Date:
October 15, 2025

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
9/29/2025	6:15:00	6.8	2.699	0.4	639,917	13.3	278
9/29/2025	6:30:00	6.8	2.646	0	639,957	13.2	278
9/29/2025	7:00:00	6.9	2.642	0.3	640,005	13.2	283
9/29/2025	7:15:00	7	2.615	1.9	640,045	13	289
9/29/2025	7:30:00	7.2	2.210	5.6	640,077	13.1	298
9/29/2025	8:00:00	7.3	2.332	19.7	640,136	12.9	296
9/29/2025	8:15:00	7.3	2.718	7.1	640,168	12.9	294
9/29/2025	8:45:00	7.4	1.688	3.3	640,229	13	293
9/29/2025	9:15:00	7.3	2.653	3.6	640,264	13.5	299
9/29/2025	9:30:00	7.4	1.677	7.9	640,300	14.2	302
9/29/2025	9:45:00	7.4	3.013	6.7	640,334	14.8	304
9/29/2025	10:00:00	7.3	2.971	4.2	640,379	15.3	305
9/29/2025	10:15:00	7.3	3.039	8	640,424	15.7	304
9/29/2025	10:30:00	7.3	3.013	9.8	640,469	16.1	304
9/29/2025	10:45:00	7.4	2.033	16.6	640,498	16.5	304
9/29/2025	11:00:00	7.3	2.896	0.9	640,527	16.7	307
9/29/2025	11:15:00	7.3	2.604	9.4	640,570	17	304
9/29/2025	11:30:00	7.4	2.373	59.1	640,594	17.2	306
9/29/2025	11:45:00	7.3	2.805	0.6	640,626	13.2	292
9/29/2025	12:00:00	7.2	2.755	0.6	640,667	12.9	292
9/29/2025	12:15:00	7.2	2.718	1.1	640,709	12.9	293
9/29/2025	12:30:00	7.3	2.241	13	640,737	12.9	295
9/29/2025	12:45:00	7.3	2.157	20	640,775	12.8	291
9/29/2025	13:00:00	7.3	0.435	14.4	640,787	13.1	292
9/29/2025	13:15:00	7.3	2.952	3.9	640,825	14	293

Title WoodFibre Weekly Water Discharge Report

Revision:
0
Data Date Range
September 29, 2025 to October 05, 2025
Prepared by:
SD
Approved by:
BC2
Date:
October 15, 2025

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
9/29/2025	13:30:00	7.2	2.078	3.9	640,868	13.4	291
9/29/2025	13:45:00	7.2	2.104	24.6	640,901	13.1	292
9/29/2025	14:00:00	7.3	2.684	12	640,934	13.1	292
9/29/2025	14:15:00	7.3	2.627	4.8	640,974	13.7	292
9/29/2025	14:30:00	7.3	2.581	4.1	641,013	14.3	293
9/29/2025	14:45:00	7.3	2.581	7.9	641,031	14	292
9/29/2025	15:00:00	7.3	0.413	4.3	641,065	14.7	292
9/29/2025	15:15:00	7.3	2.597	1.9	641,096	16.2	115
9/29/2025	15:45:00	7.2	2.127	0.8	641,147	17.7	119
9/29/2025	16:00:00	6.9	2.612	3.4	641,181	14.8	281
9/29/2025	16:15:00	6.8	2.165	24.7	641,218	14.2	285
9/29/2025	16:45:00	7	2.600	3.7	641,273	14.3	119
9/29/2025	17:00:00	7.1	2.419	4.9	641,307	17.9	119
9/29/2025	17:15:00	6.9	0.549	8.5	641,338	19.6	119
9/29/2025	17:30:00	6.8	2.555	11.7	641,359	13.8	281
9/29/2025	17:45:00	7	1.877	5.4	641,390	13.3	283
9/29/2025	18:00:00	7.1	2.600	13.7	641,406	13.8	296
9/29/2025	18:15:00	7	2.301	9.7	641,440	13.5	297
9/29/2025	18:30:00	7	2.275	4	641,476	13.9	295
9/29/2025	18:45:00	7.1	2.733	4.4	641,497	14.9	297
9/29/2025	19:00:00	7.1	2.706	0.8	641,535	14	294
9/29/2025	19:15:00	7.2	2.740	2.2	641,552	14.4	293
9/29/2025	19:30:00	7.2	2.695	0.9	641,592	13.5	293
9/29/2025	20:00:00	7.2	2.665	1	641,653	13.4	291
9/29/2025	20:15:00	7.2	1.711	3.1	641,682	12.7	284

Title WoodFibre Weekly Water Discharge Report

Revision:
0
Data Date Range
September 29, 2025 to October 05, 2025
Prepared by:
SD
Approved by:
BC2
Date:
October 15, 2025

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
9/29/2025	20:30:00	7.2	2.581	2.3	641,714	12.4	287
9/29/2025	20:45:00	7.2	2.536	2.1	641,752	12.5	287
9/29/2025	21:00:00	7.3	2.237	7.8	641,788	12.5	291
9/29/2025	21:15:00	7.3	2.650	4.9	641,805	12.6	292
9/29/2025	21:30:00	7.2	2.521	2.9	641,843	12.6	292
9/29/2025	21:45:00	7.2	2.051	4	641,881	12.6	292
9/29/2025	22:15:00	7.2	2.472	0	641,921	12.5	281
9/29/2025	22:30:00	7.2	0.299	0	641,942	12.5	279
9/29/2025	22:45:00	7.2	1.961	0	641,971	12.4	279
9/29/2025	23:00:00	7.3	0.731	2.9	641,995	12.4	279
9/29/2025	23:15:00	7.2	2.513	0.6	642,019	12.3	281
9/29/2025	23:30:00	7.2	2.188	9.6	642,055	12.3	279
9/29/2025	23:45:00	7.2	2.506	1.5	642,088	12.3	279
9/30/2025	0:00:00	7.2	2.468	1.5	642,126	12.4	279
9/30/2025	0:15:00	7.2	2.290	3.1	642,162	12.5	279
9/30/2025	1:00:00	7.2	2.608	0.4	642,237	12.7	286
9/30/2025	1:15:00	7.3	2.509	2.5	642,275	12.5	281
9/30/2025	1:30:00	7.2	2.755	1.8	642,314	12.5	279
9/30/2025	1:45:00	7.2	2.668	2.8	642,336	12.6	279
9/30/2025	2:00:00	7.3	1.635	9.1	642,369	12.3	282
9/30/2025	2:15:00	7.3	2.665	16	642,398	12.6	286
9/30/2025	2:30:00	7.2	2.623	2.9	642,438	12.4	284
9/30/2025	2:45:00	7.2	0.337	1.2	642,454	12.6	289
9/30/2025	3:00:00	7.3	1.446	1.1	642,472	12.6	289
9/30/2025	3:15:00	7.3	2.608	1	642,491	12.9	291

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BC2
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Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
9/30/2025	3:30:00	7.2	2.608	0.7	642,530	12.9	289
9/30/2025	3:45:00	7.2	2.214	12.3	642,566	12.9	287
9/30/2025	4:00:00	7.2	2.559	1.8	642,602	12.9	287
9/30/2025	4:15:00	7.2	2.544	3.4	642,640	12.9	287
9/30/2025	5:00:00	7.2	2.547	0.8	642,702	12.6	287
9/30/2025	5:15:00	7.2	2.464	12.9	642,740	12.5	287
9/30/2025	5:30:00	7.3	2.415	4.1	642,776	12.4	286
9/30/2025	5:45:00	7.2	2.532	2.4	642,797	12.5	287
9/30/2025	6:15:00	7.2	1.987	3.8	642,851	12.4	284
9/30/2025	6:45:00	7.2	2.699	1.5	642,903	12.4	283
9/30/2025	7:00:00	7.2	2.653	2.6	642,943	12.7	282
9/30/2025	7:15:00	7.1	1.813	4.4	642,980	13	286
9/30/2025	7:30:00	7.1	1.821	5.8	643,008	13.7	286
9/30/2025	7:45:00	7	2.680	4.4	643,029	13.4	286
9/30/2025	8:30:00	6.9	2.051	15.6	643,094	14	278
9/30/2025	8:45:00	7	2.771	0	643,136	12.9	274
9/30/2025	9:00:00	7.1	1.949	3.9	643,167	13.3	276
9/30/2025	9:15:00	7.2	2.733	2.5	643,188	13.4	278
9/30/2025	9:30:00	7.2	2.778	1.6	643,230	13	279
9/30/2025	9:45:00	7.2	0.503	3	643,269	13	279
9/30/2025	10:00:00	7.2	2.241	2	643,288	13	279
9/30/2025	10:15:00	7.3	1.718	7	643,309	12.9	279
9/30/2025	10:30:00	7.2	2.759	2.2	643,342	12.4	279
9/30/2025	10:45:00	7.2	2.737	2.4	643,374	12.5	279
9/30/2025	11:15:00	7.2	1.597	4.1	643,441	12.5	279

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0
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BC2
Date:
October 15, 2025

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
9/30/2025	11:30:00	7.3	1.393	9.9	643,461	12.7	279
9/30/2025	11:45:00	7.2	2.820	5.3	643,485	13	281
9/30/2025	12:00:00	7.2	2.786	5.8	643,527	13.1	282
9/30/2025	12:15:00	7.2	2.752	5.9	643,568	13.2	282
9/30/2025	12:30:00	7.2	1.510	5.2	643,592	13.3	281
9/30/2025	12:45:00	7.2	2.699	5.2	643,633	13.3	279
9/30/2025	13:00:00	7.2	2.695	2.4	643,656	13.7	281
9/30/2025	13:15:00	7.2	2.672	1.9	643,696	13.3	279
9/30/2025	13:30:00	7.2	2.657	3.3	643,718	13.8	282
9/30/2025	13:45:00	7.2	1.828	4	643,742	13.8	281
9/30/2025	14:00:00	7.2	2.816	1.2	643,768	13.3	279
9/30/2025	14:30:00	7.2	2.771	2.2	643,827	13.2	281
9/30/2025	15:00:00	7.2	1.654	3.8	643,880	12.5	278
9/30/2025	15:15:00	7.2	2.922	3.3	643,899	12.7	281
9/30/2025	15:30:00	7.2	2.839	0.9	643,941	12.7	282
9/30/2025	15:45:00	7.2	2.831	1.5	643,963	12.8	277
9/30/2025	16:00:00	7.2	1.582	4.2	643,998	12.8	278
9/30/2025	16:15:00	7.1	2.759	1.4	644,026	12.9	279
9/30/2025	16:30:00	7	2.733	1.4	644,067	13	280
9/30/2025	17:00:00	6.9	1.987	4.1	644,127	13.1	276
9/30/2025	17:15:00	6.9	1.385	16.3	644,147	13	276
9/30/2025	17:30:00	2.6	2.684	6.7	644,179	13.7	281
9/30/2025	17:45:00	7	2.627	1.4	644,219	13	276
9/30/2025	18:15:00	7	2.161	0	644,279	13.4	276
9/30/2025	18:30:00	7.1	2.661	0.2	644,317	13	279

Title	WoodFibre Weekly Water Discharge Report	Revision:	0
Data Date Range	September 29, 2025 to October 05, 2025	Prepared by: Approved by: Date:	SD BC2 October 15, 2025

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
9/30/2025	18:45:00	7.1	2.911	13.5	644,340	13.2	282
9/30/2025	19:00:00	7.2	2.203	1.3	644,377	13.6	283
9/30/2025	19:15:00	7.2	2.638	2.3	644,416	12.9	281
9/30/2025	19:30:00	7.2	2.612	0.8	644,434	12.7	281
9/30/2025	19:45:00	7.3	1.416	5.8	644,457	12.3	281
9/30/2025	20:00:00	7.3	2.615	1.9	644,490	12.2	281
9/30/2025	20:15:00	7.3	1.427	1.5	644,525	12.2	281
9/30/2025	20:30:00	7.3	1.393	4.4	644,549	12.2	284
9/30/2025	21:00:00	7.3	1.787	4	644,598	12.2	289
9/30/2025	21:15:00	7.3	2.551	5	644,634	12.2	286
9/30/2025	21:45:00	7.3	2.078	8.8	644,679	12.5	283
9/30/2025	22:00:00	7.2	2.551	4.4	644,715	12.6	282
9/30/2025	22:30:00	7.2	2.884	15.1	644,761	12.7	284
9/30/2025	22:45:00	7.1	2.615	3.6	644,800	12.9	281
9/30/2025	23:00:00	7.2	2.608	6	644,831	13	281
9/30/2025	23:15:00	7.2	2.699	4.1	644,863	12.9	283
9/30/2025	23:30:00	7.2	2.744	7.4	644,904	13.1	284
9/30/2025	23:45:00	7.1	1.431	5.7	644,931	12.9	284
10/1/2025	0:00:00	7.1	2.797	2.5	644,967	13	284
10/1/2025	0:15:00	7.1	2.199	3.6	645,008	13.1	284
10/1/2025	0:45:00	7.1	2.687	2.5	645,068	12.9	284
10/1/2025	1:15:00	7	2.718	0	645,126	13	279
10/1/2025	1:30:00	7	2.665	4.2	645,167	13	279
10/1/2025	1:45:00	6.9	1.885	11.5	645,186	13	283
10/1/2025	2:00:00	7	2.737	9	645,223	13	284

Title WoodFibre Weekly Water Discharge Report

Revision:
0
Data Date Range
September 29, 2025 to October 05, 2025
Prepared by:
SD
Approved by:
BC2
Date:
October 15, 2025

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
10/1/2025	2:15:00	7.1	2.176	5.1	645,261	13.1	281
10/1/2025	2:30:00	7.1	2.691	29.2	645,296	13.2	281
10/1/2025	2:45:00	7.1	0.314	1.7	645,318	13.6	281
10/1/2025	3:15:00	7.1	2.653	2.8	645,355	12.9	278
10/1/2025	3:45:00	7	2.347	5.3	645,403	12.9	278
10/1/2025	4:00:00	7	2.755	3	645,443	13	278
10/1/2025	4:15:00	7	2.263	3.3	645,482	13.1	278
10/1/2025	4:30:00	7	2.740	5.4	645,510	12.8	276
10/1/2025	4:45:00	7	2.699	3.6	645,551	13	273
10/1/2025	5:15:00	7	2.733	4.6	645,592	13.2	276
10/1/2025	5:30:00	7	2.684	7.4	645,632	13.2	276
10/1/2025	5:45:00	6.9	1.522	10.3	645,649	13	274
10/1/2025	6:15:00	6.9	1.624	6.3	645,695	13	273
10/1/2025	6:30:00	6.9	2.949	13.6	645,721	12.7	283
10/1/2025	6:45:00	7.1	2.702	1.5	645,746	13.2	281
10/1/2025	7:00:00	7.1	2.706	3	645,782	13.2	284
10/1/2025	7:15:00	7.1	0.386	2.5	645,805	13.4	284
10/1/2025	7:30:00	7	2.748	0.4	645,844	13.2	290
10/1/2025	7:45:00	7	2.294	5	645,879	13.2	285
10/1/2025	8:15:00	7.2	1.514	4.7	645,936	12.7	281
10/1/2025	8:45:00	7.2	2.843	3.2	645,982	12.6	283
10/1/2025	9:00:00	7.1	2.808	0	646,025	13.2	283
10/1/2025	9:15:00	7.1	2.778	0	646,066	12.9	283
10/1/2025	9:30:00	7.3	1.533	6	646,098	13.1	283
10/1/2025	10:00:00	7.2	2.782	0	646,129	13.7	287

Title WoodFibre Weekly Water Discharge Report

Revision:
0
Data Date Range
September 29, 2025 to October 05, 2025
Prepared by:
SD
Approved by:
BC2
Date:
October 15, 2025

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
10/1/2025	10:15:00	7.1	2.619	0.4	646,169	13.2	287
10/1/2025	10:30:00	7.2	0.322	3.8	646,188	13.1	284
10/1/2025	10:45:00	7.1	2.786	4.6	646,225	13.1	287
10/1/2025	11:00:00	7.1	2.559	12.4	646,265	13.4	286
10/1/2025	11:15:00	7.2	0.375	1.5	646,300	14.1	287
10/1/2025	11:30:00	7.1	2.937	0.9	646,323	15.4	287
10/1/2025	11:45:00	7.2	2.873	3	646,367	14.4	287
10/1/2025	12:00:00	7.2	2.907	1.1	646,388	15.5	287
10/1/2025	12:30:00	7.2	1.870	0	646,438	14.1	117
10/1/2025	12:45:00	7.4	0.640	2.8	646,475	17.7	117
10/1/2025	13:00:00	7.1	2.222	9.6	646,515	13.1	281
10/1/2025	13:15:00	7.1	2.824	6.9	646,548	13.6	117
10/1/2025	13:30:00	7.1	2.949	3.2	646,561	13.1	282
10/1/2025	14:00:00	7.1	2.903	3.9	646,623	12.6	283
10/1/2025	14:30:00	7	2.532	9.5	646,671	12.9	282
10/1/2025	15:15:00	7.2	1.995	8.4	646,750	12.8	287
10/1/2025	15:30:00	7.3	2.619	15.5	646,781	13	292
10/1/2025	15:45:00	7.5	0.409	401.1	646,811	13.4	113
10/1/2025	16:00:00	7.3	2.176	20.1	646,842	12.7	297
10/1/2025	16:15:00	7.3	2.653	5.1	646,868	12.7	298
10/1/2025	16:30:00	7.4	3.100	5	646,903	12.4	300
10/1/2025	16:45:00	7.3	2.642	8.6	646,931	12.3	298
10/1/2025	17:15:00	7.3	2.525	5.5	646,981	12.5	295
10/1/2025	17:30:00	7.3	3.009	12.5	647,001	12.5	295
10/1/2025	17:45:00	7.3	3.032	6.5	647,042	12.3	295

Title WoodFibre Weekly Water Discharge Report

Revision:
0
Data Date Range
September 29, 2025 to October 05, 2025
Prepared by:
SD
Approved by:
BC2
Date:
October 15, 2025

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
10/1/2025	18:00:00	7.3	2.517	3.2	647,069	12.4	297
10/1/2025	18:15:00	7.2	3.043	28.4	647,093	12.5	297
10/1/2025	18:30:00	7.3	2.903	27.8	647,137	12.5	290
10/1/2025	18:45:00	7.3	2.180	13.7	647,172	12.5	295
10/1/2025	19:00:00	7.2	2.843	12	647,211	12.5	295
10/1/2025	19:15:00	7.3	2.301	11.8	647,238	12.5	297
10/1/2025	19:30:00	7.2	2.805	15.7	647,268	12.3	297
10/1/2025	20:00:00	7.2	1.805	11.1	647,320	12.1	292
10/1/2025	20:15:00	7.2	2.661	2.9	647,342	12.1	292
10/1/2025	20:30:00	7.2	2.585	5.9	647,382	12.2	295
10/1/2025	20:45:00	7.2	2.135	7.2	647,415	12.5	293
10/1/2025	21:00:00	7.2	2.623	9.8	647,452	12.9	293
10/1/2025	21:15:00	7.2	2.127	6.8	647,490	12.6	294
10/1/2025	21:45:00	7.3	2.612	0	647,538	12.5	297
10/1/2025	22:00:00	7.2	1.397	5.1	647,568	12.4	297
10/1/2025	22:30:00	7.3	2.778	9.8	647,622	12.6	297
10/1/2025	22:45:00	7.3	1.889	11.9	647,651	12.7	297
10/1/2025	23:00:00	7.4	2.740	11.7	647,687	12.7	296
10/1/2025	23:45:00	7.3	2.740	18.3	647,761	12.6	291
10/2/2025	0:00:00	7.3	2.044	20.9	647,780	12.8	294
10/2/2025	0:15:00	7.4	2.687	10.5	647,810	12.6	289
10/2/2025	0:30:00	7.4	2.491	13	647,848	12.6	291
10/2/2025	0:45:00	7.4	1.980	30.5	647,878	12.8	293
10/2/2025	1:00:00	7.4	2.566	16.7	647,908	12.9	296
10/2/2025	1:15:00	7.4	2.059	17.1	647,943	12.9	292

Title WoodFibre Weekly Water Discharge Report

Revision:
0
Data Date Range
September 29, 2025 to October 05, 2025
Prepared by:
SD
Approved by:
BC2
Date:
October 15, 2025

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
10/2/2025	1:45:00	7.3	0.303	13.1	648,001	13.4	288
10/2/2025	2:00:00	7.3	2.229	14.2	648,032	13.6	286
10/2/2025	2:15:00	7.3	2.740	13.3	648,070	13.7	283
10/2/2025	2:45:00	7.1	2.316	20.4	648,111	14.3	286
10/2/2025	3:00:00	7	2.786	17.4	648,151	13.2	282
10/2/2025	3:45:00	6.8	2.714	14.3	648,243	13.4	281
10/2/2025	4:00:00	6.6	2.350	8.3	648,275	13.5	281
10/2/2025	4:15:00	6.4	2.748	12.4	648,304	13.5	281
10/2/2025	4:30:00	6.6	2.718	13.5	648,343	13.3	280
10/2/2025	4:45:00	6.3	2.415	21.3	648,351	13	279
10/2/2025	5:00:00	7.1	2.744	7.6	648,376	14	286
10/2/2025	5:15:00	7.2	2.248	10	648,415	14	286
10/2/2025	5:45:00	7.2	2.729	12.6	648,471	13.8	282
10/2/2025	6:00:00	7.2	2.748	16.8	648,489	14.3	285
10/2/2025	6:15:00	7.3	2.733	8	648,526	13.7	285
10/2/2025	6:45:00	7.3	2.316	10.2	648,583	13.6	281
10/2/2025	7:00:00	7.3	2.714	5.9	648,622	13.3	281
10/2/2025	7:15:00	7.3	2.139	14.5	648,655	13.3	281
10/2/2025	7:30:00	7.2	0.329	4.5	648,680	12.9	283
10/2/2025	7:45:00	7.3	1.151	6.9	648,713	12.6	283
10/2/2025	8:00:00	7.3	0.992	4.3	648,729	12.8	282
10/2/2025	8:15:00	7.3	2.990	2.2	648,765	12.3	282
10/2/2025	8:30:00	7.4	1.435	0	648,805	12.4	281
10/2/2025	8:45:00	7.4	2.975	0	648,831	12.3	279
10/2/2025	9:00:00	7.3	0.326	0	648,862	12.5	278

Title WoodFibre Weekly Water Discharge Report

Revision:
0
Data Date Range
September 29, 2025 to October 05, 2025
Prepared by:
SD
Approved by:
BC2
Date:
October 15, 2025

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
10/2/2025	9:30:00	7.3	2.975	0	648,918	12.4	280
10/2/2025	9:45:00	7.3	2.979	0	648,942	12.8	283
10/2/2025	10:15:00	7.2	2.956	0	649,003	12.6	282
10/2/2025	10:45:00	7.1	2.964	0	649,066	13.7	282
10/2/2025	11:15:00	6.9	2.347	0	649,130	13.3	282
10/2/2025	11:30:00	6.7	2.964	0	649,150	13.3	280
10/2/2025	11:45:00	6.6	2.960	0	649,168	13.3	283
10/2/2025	12:00:00	6.5	2.718	0	649,207	13	283
10/2/2025	12:15:00	6.4	2.771	0.5	649,243	13.9	283
10/2/2025	12:30:00	6.3	2.347	0	649,265	13.2	282
10/2/2025	12:45:00	6.2	2.733	0	649,304	13.7	282
10/2/2025	13:15:00	6.4	2.324	0	649,353	14.4	282
10/2/2025	13:30:00	7.5	2.752	23	649,378	15.7	286
10/2/2025	13:45:00	-0.4	2.275	0.6	649,415	13.3	279
10/2/2025	14:00:00	-0.4	2.865	432.6	649,455	13.3	279
10/2/2025	14:15:00	-0.4	2.869	0	649,485	14.8	119
10/2/2025	14:30:00	2.8	2.059	0.7	649,524	13.3	281
10/2/2025	14:45:00	6.8	2.926	0	649,564	13.1	286
10/2/2025	15:00:00	6.8	2.933	0	649,593	13.1	286
10/2/2025	15:15:00	6.8	1.779	0	649,630	13	286
10/2/2025	15:30:00	6.9	2.771	0.4	649,669	13.1	286
10/2/2025	15:45:00	7	0.310	0.3	649,700	13.2	287
10/2/2025	16:00:00	6.9	2.260	3.3	649,730	13.1	289
10/2/2025	16:15:00	6.9	2.808	1.3	649,750	13.1	289
10/2/2025	16:30:00	6.8	2.347	0.8	649,777	13.2	297

Title	WoodFibre Weekly Water Discharge Report	Revision:	0
Data Date Range	September 29, 2025 to October 05, 2025	Prepared by: Approved by: Date:	SD BC2 October 15, 2025

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
10/2/2025	16:45:00	6.8	2.403	1	649,801	13.1	294
10/2/2025	17:00:00	6.8	2.786	0.7	649,841	13	294
10/2/2025	17:15:00	6.8	2.748	0.9	649,879	13	293
10/2/2025	17:30:00	6.8	2.229	2.9	649,919	13.1	296
10/2/2025	18:00:00	6.8	2.782	0	649,982	13.1	294
10/2/2025	18:15:00	6.5	1.949	1.6	650,009	13.3	292
10/2/2025	18:30:00	6.2	0.848	0	650,022	13.3	290
10/2/2025	18:45:00	6	2.744	0	650,043	13.5	291
10/2/2025	19:00:00	7.4	2.192	0	650,084	13.6	291
10/2/2025	19:15:00	6	2.725	0	650,104	13.6	290
10/2/2025	19:30:00	6.5	2.699	0	650,145	13.2	289
10/2/2025	19:45:00	6.6	2.169	0	650,175	13.1	288
10/2/2025	20:00:00	6.7	2.820	0	650,204	13	288
10/2/2025	20:15:00	6.7	2.820	0	650,236	13.2	287
10/2/2025	20:30:00	8.4	1.745	13.2	650,268	13.5	288
10/2/2025	20:45:00	6.8	2.793	84.2	650,296	15	289
10/2/2025	21:00:00	6.2	0.564	0	650,337	13.3	284
10/2/2025	21:15:00	6.3	2.763	0.7	650,366	12.9	287
10/2/2025	21:30:00	6.4	2.771	0	650,396	12.8	287
10/2/2025	21:45:00	6.4	2.786	0.1	650,427	13.1	291
10/2/2025	22:00:00	6.6	0.360	0	650,459	12.8	296
10/2/2025	22:15:00	6.6	0.318	0.1	650,490	12.8	296
10/2/2025	22:30:00	6.5	0.689	0.3	650,524	12.8	296
10/2/2025	22:45:00	6.4	2.744	0.2	650,555	12.9	291
10/2/2025	23:00:00	6.4	2.759	0.7	650,584	12.9	291

Title WoodFibre Weekly Water Discharge Report

Revision:
0
Data Date Range
September 29, 2025 to October 05, 2025
Prepared by:
SD
Approved by:
BC2
Date:
October 15, 2025

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
10/2/2025	23:15:00	6.5	0.424	0.3	650,615	13.6	118
10/2/2025	23:30:00	6.5	0.394	0	650,645	14.1	119
10/2/2025	23:45:00	6.3	2.964	1.7	650,670	13.9	282
10/3/2025	0:00:00	6.2	2.956	1.2	650,701	13.2	288
10/3/2025	0:15:00	6.1	0.352	1.4	650,735	13.7	119
10/3/2025	0:30:00	6.1	2.279	1.3	650,759	13.5	286
10/3/2025	0:45:00	5.8	2.687	1.5	650,785	13.5	284
10/3/2025	1:00:00	5.7	2.691	2.1	650,814	13.5	284
10/3/2025	1:15:00	5.8	2.657	6.6	650,849	13.4	288
10/3/2025	1:45:00	6.2	2.676	3.7	650,897	13.1	289
10/3/2025	2:00:00	6.3	2.226	3.7	650,916	13.3	291
10/3/2025	3:30:00	6.1	2.528	2.7	651,054	13.2	289
10/3/2025	3:45:00	5.7	2.506	2.5	651,088	13.4	287
10/3/2025	4:00:00	5.4	2.525	3.9	651,111	13.7	284
10/3/2025	4:15:00	5.8	2.513	3.7	651,148	13.3	288
10/3/2025	4:30:00	5.6	2.070	6	651,180	13.6	286
10/3/2025	4:45:00	5.4	2.687	6.7	651,204	13.9	287
10/3/2025	5:00:00	5.8	2.506	4.6	651,241	13.2	283
10/3/2025	5:15:00	6.1	2.509	8.1	651,270	13.2	286
10/3/2025	5:30:00	6	2.494	4	651,308	13	288
10/3/2025	5:45:00	5.7	2.494	4.4	651,328	13.2	287
10/3/2025	6:00:00	5.5	1.911	6.8	651,346	13.1	287
10/3/2025	6:15:00	6	2.475	5.9	651,382	13.1	291
10/3/2025	6:30:00	6.3	1.968	9.4	651,417	12.9	292
10/3/2025	6:45:00	6.2	2.010	10.7	651,449	13	290

Title WoodFibre Weekly Water Discharge Report

Revision:
0
Data Date Range
September 29, 2025 to October 05, 2025
Prepared by:
SD
Approved by:
BC2
Date:
October 15, 2025

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
10/3/2025	7:00:00	6.1	2.475	10.5	651,474	12.9	288
10/3/2025	7:15:00	6.2	2.487	12.9	651,507	12.8	288
10/3/2025	7:30:00	6.4	1.945	16.4	651,539	12.7	291
10/3/2025	7:45:00	6.5	1.476	2.2	651,574	12.6	289
10/3/2025	8:00:00	6.5	2.907	2.3	651,592	12.5	289
10/3/2025	8:45:00	6.6	2.767	1.9	651,695	12.4	288
10/3/2025	9:00:00	6.5	2.245	1.4	651,715	12.7	287
10/3/2025	9:15:00	6.5	1.397	5.9	651,734	13	286
10/3/2025	9:30:00	6.3	2.918	1.7	651,756	13.1	287
10/3/2025	9:45:00	6.4	2.377	1.7	651,797	13.1	289
10/3/2025	10:00:00	6.5	2.903	1.7	651,825	12.8	286
10/3/2025	10:15:00	6.5	2.896	1.4	651,869	12.8	289
10/3/2025	10:30:00	6.6	2.210	1.6	651,910	13.1	294
10/3/2025	10:45:00	6.5	2.877	1.6	651,937	12.9	291
10/3/2025	11:00:00	6.6	2.827	1.4	651,980	13	292
10/3/2025	13:15:00	6.4	2.790	19.7	652,030	12.6	322
10/3/2025	13:30:00	6.7	1.923	49	652,074	12.5	322
10/3/2025	13:45:00	7	1.915	19.7	652,113	12.9	317
10/3/2025	14:00:00	6.9	3.225	14.7	652,157	12.5	308
10/3/2025	14:15:00	6.9	2.207	7.2	652,186	12.7	312
10/3/2025	14:30:00	6.9	3.020	10.4	652,220	12.8	307
10/3/2025	14:45:00	6.9	3.126	7.6	652,267	12.4	303
10/3/2025	15:00:00	6.9	2.983	4.8	652,294	13.3	300
10/3/2025	15:15:00	6.9	2.971	4	652,335	12.6	303
10/3/2025	15:30:00	6.9	2.479	2.9	652,366	12.8	300

Title	WoodFibre Weekly Water Discharge Report	Revision:	0
Data Date Range	September 29, 2025 to October 05, 2025	Prepared by: Approved by: Date:	SD BC2 October 15, 2025

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
10/3/2025	15:45:00	6.9	2.979	3.3	652,397	13.5	298
10/3/2025	16:00:00	6.9	2.964	1.8	652,437	13.1	300
10/3/2025	16:15:00	6.9	2.468	1.8	652,468	14.4	119
10/3/2025	16:30:00	6.8	2.941	1.8	652,512	13.1	299
10/3/2025	16:45:00	6.8	2.952	1.4	652,542	13.8	296
10/3/2025	17:00:00	6.8	0.386	399.6	652,568	14.7	119
10/3/2025	17:15:00	6.8	0.344	15.8	652,599	14	119
10/3/2025	17:30:00	6.8	0.314	105.1	652,624	14.1	119
10/3/2025	17:45:00	6.7	2.986	1.2	652,645	13.2	298
10/3/2025	18:00:00	6.7	2.865	1.3	652,685	13.1	298
10/3/2025	18:15:00	6.8	2.135	2.5	652,713	14.5	119
10/3/2025	18:30:00	6.7	2.843	2.1	652,756	13	293
10/3/2025	18:45:00	6.8	2.861	2.6	652,799	12.9	297
10/3/2025	19:00:00	6.8	2.362	5.2	652,825	12.8	299
10/3/2025	19:15:00	6.8	2.877	2.8	652,856	12.8	299
10/3/2025	19:30:00	6.8	2.142	4.8	652,894	12.6	299
10/3/2025	19:45:00	6.8	2.040	5.1	652,918	12.8	299
10/3/2025	20:00:00	6.9	2.585	3.4	652,955	12.5	299
10/3/2025	20:30:00	6.9	2.089	2.7	653,015	12.4	296
10/3/2025	20:45:00	6.9	2.320	12.1	653,040	12.3	296
10/3/2025	21:00:00	6.9	2.422	10.5	653,072	12.2	297
10/3/2025	21:45:00	6.9	2.472	17	653,142	12.3	297
10/3/2025	22:15:00	6.9	1.593	6.7	653,194	12.5	298
10/3/2025	22:30:00	6.9	2.555	9.5	653,232	12.7	297
10/3/2025	23:00:00	6.9	2.578	10.1	653,288	13.9	296

Title WoodFibre Weekly Water Discharge Report

Revision:
0
Data Date Range
September 29, 2025 to October 05, 2025
Prepared by:
SD
Approved by:
BC2
Date:
October 15, 2025

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
10/3/2025	23:15:00	6.9	2.521	8.9	653,326	14.9	296
10/3/2025	23:45:00	6.9	2.597	6.6	653,377	12.9	296
10/4/2025	0:00:00	6.9	2.536	5	653,416	12.9	296
10/4/2025	0:15:00	6.9	2.214	9.2	653,438	13.3	297
10/4/2025	0:45:00	6.8	2.127	30.5	653,494	13	296
10/4/2025	1:00:00	6.8	2.612	3.5	653,518	12.9	298
10/4/2025	1:15:00	6.7	2.551	2.2	653,556	12.9	298
10/4/2025	1:30:00	6.7	1.404	14	653,565	13	298
10/4/2025	1:45:00	6.7	2.615	1.7	653,599	13.1	304
10/4/2025	2:00:00	6.7	2.570	1.9	653,638	13.2	314
10/4/2025	2:15:00	6.6	2.627	2.8	653,667	13.6	315
10/4/2025	2:30:00	6.3	2.574	1.8	653,706	13.6	309
10/4/2025	2:45:00	6.2	2.169	48.3	653,744	13.4	303
10/4/2025	3:00:00	6.3	2.566	4	653,756	13.4	300
10/4/2025	3:30:00	6.2	1.207	0.6	653,797	13.2	300
10/4/2025	3:45:00	6.3	2.540	0.7	653,830	13.1	300
10/4/2025	4:00:00	6.5	2.468	0.4	653,868	13	298
10/4/2025	4:15:00	6.5	2.547	1.4	653,896	13	299
10/4/2025	4:30:00	6.6	2.498	0.4	653,934	12.9	299
10/4/2025	4:45:00	6.6	1.934	5.7	653,956	13.3	300
10/4/2025	5:00:00	6.6	2.528	0.5	653,989	13	299
10/4/2025	5:15:00	6.5	2.494	0	654,027	13	301
10/4/2025	5:30:00	6.4	1.998	0	654,059	13.3	300
10/4/2025	5:45:00	6.1	2.525	0	654,079	13.4	300
10/4/2025	6:15:00	5.9	2.668	1.2	654,125	13.2	300

Title WoodFibre Weekly Water Discharge Report

Revision:
0
Data Date Range
September 29, 2025 to October 05, 2025
Prepared by:
SD
Approved by:
BC2
Date:
October 15, 2025

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
10/4/2025	6:30:00	5.8	1.559	0	654,156	13.3	302
10/4/2025	6:45:00	5.6	2.706	0	654,195	13.2	300
10/4/2025	7:30:00	6.2	2.157	1.5	654,274	13	302
10/4/2025	7:45:00	6.2	2.752	0.4	654,298	13	300
10/4/2025	8:15:00	6.4	2.816	0	654,355	12.8	299
10/4/2025	8:30:00	6.5	2.229	1.1	654,376	12.8	297
10/4/2025	8:45:00	6.6	2.903	0.4	654,397	12.7	300
10/4/2025	9:15:00	6.7	2.843	0.4	654,460	12.5	296
10/4/2025	9:45:00	6.8	1.332	2.4	654,492	12.6	300
10/4/2025	10:00:00	6.8	2.926	1.2	654,512	12.6	300
10/4/2025	10:15:00	6.8	2.880	1	654,556	12.6	300
10/4/2025	10:30:00	6.8	2.808	0.8	654,576	12.9	304
10/4/2025	10:45:00	6.8	2.911	0.6	654,619	12.8	307
10/4/2025	11:15:00	6.8	2.865	0.3	654,686	13	304
10/4/2025	11:45:00	6.7	2.827	4.7	654,735	13.1	303
10/4/2025	12:00:00	6.6	2.672	0.3	654,764	13.1	300
10/4/2025	12:15:00	6.6	2.668	0.6	654,804	13.1	302
10/4/2025	12:30:00	6.7	2.808	0.9	654,846	13.1	301
10/4/2025	12:45:00	6.7	2.827	2	654,868	13.4	304
10/4/2025	13:15:00	6.9	2.797	1.8	654,932	13.2	319
10/4/2025	13:30:00	6.9	2.782	1.8	654,957	13.3	327
10/4/2025	13:45:00	7.3	2.279	3.7	654,977	13.4	339
10/4/2025	14:00:00	7	2.786	1.8	654,996	13.5	335
10/4/2025	14:15:00	7	2.778	4.2	655,038	13.4	335
10/4/2025	14:30:00	7	2.324	4.3	655,063	13.5	334

Title	WoodFibre Weekly Water Discharge Report	Revision:	0
Data Date Range	September 29, 2025 to October 05, 2025	Prepared by: Approved by: Date:	SD BC2 October 15, 2025

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
10/4/2025	14:45:00	6.9	2.793	3.3	655,086	13.6	332
10/4/2025	15:00:00	7	2.222	2.5	655,125	13.5	332
10/4/2025	15:15:00	7	2.778	8.9	655,149	13.4	327
10/4/2025	15:30:00	7	1.840	8.9	655,187	13.4	322
10/4/2025	15:45:00	7	2.827	5.2	655,216	13.4	322
10/4/2025	16:00:00	7	2.812	3.5	655,258	13.3	320
10/4/2025	16:15:00	6.9	2.805	2.9	655,288	13.3	320
10/4/2025	16:30:00	6.9	2.820	3.4	655,318	13.4	317
10/4/2025	16:45:00	7	1.756	27.3	655,356	13.3	320
10/4/2025	17:15:00	6.9	2.850	2.8	655,416	13.3	319
10/4/2025	17:45:00	6.9	2.839	2.3	655,486	13.3	314
10/4/2025	18:00:00	6.8	2.971	1.9	655,514	13.4	311
10/4/2025	18:30:00	6.6	2.918	1.9	655,580	13.4	310
10/4/2025	18:45:00	6.5	1.548	2.5	655,598	13.6	309
10/4/2025	19:00:00	6.5	2.896	2	655,633	13.4	310
10/4/2025	19:15:00	6.5	2.896	4	655,657	13.7	305
10/4/2025	19:45:00	6.5	2.877	2.3	655,725	13.1	300
10/4/2025	20:00:00	6.5	1.870	10.3	655,751	12.9	298
10/4/2025	20:15:00	6.5	2.316	9.8	655,768	13.2	297
10/4/2025	20:30:00	6.4	2.858	12.5	655,803	12.8	297
10/4/2025	20:45:00	6.4	2.608	7.8	655,832	12.8	297
10/4/2025	21:00:00	6.5	2.604	10	655,871	12.7	297
10/4/2025	21:30:00	6.4	1.718	17.3	655,921	12.9	299
10/4/2025	21:45:00	6.2	2.684	2.1	655,958	13	296
10/4/2025	22:15:00	6.2	2.691	3.4	656,023	13	296

Title WoodFibre Weekly Water Discharge Report

Revision:
0
Data Date Range
September 29, 2025 to October 05, 2025
Prepared by:
SD
Approved by:
BC2
Date:
October 15, 2025

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
10/4/2025	22:30:00	6.2	2.695	2.8	656,056	13.2	296
10/4/2025	22:45:00	6.3	1.832	8.9	656,094	13	297
10/4/2025	23:15:00	6.4	2.604	6.1	656,152	12.9	294
10/4/2025	23:30:00	6.5	2.593	7.5	656,191	12.9	293
10/4/2025	23:45:00	6.6	1.957	13.4	656,209	12.9	293
10/5/2025	0:00:00	6.6	2.608	2	656,247	12.9	293
10/5/2025	0:15:00	6.7	0.428	1.9	656,275	13.1	293
10/5/2025	0:30:00	6.6	2.589	1.8	656,308	13	292
10/5/2025	0:45:00	6.7	2.570	3.1	656,346	12.9	292
10/5/2025	1:00:00	6.7	1.930	25.6	656,371	13.6	293
10/5/2025	1:30:00	6.5	2.566	2.1	656,427	13.1	294
10/5/2025	1:45:00	6.4	2.063	3.1	656,448	13.4	294
10/5/2025	2:00:00	6.2	2.578	2.3	656,481	13.2	293
10/5/2025	2:15:00	6.1	2.555	3.1	656,519	13.2	293
10/5/2025	2:30:00	5.9	2.593	2.8	656,542	13.4	292
10/5/2025	2:45:00	6	2.574	3.2	656,581	13.2	288
10/5/2025	3:15:00	6.4	2.574	4	656,642	13	294
10/5/2025	3:45:00	6.6	1.832	6.1	656,693	12.9	288
10/5/2025	4:15:00	6.8	2.653	6.2	656,758	12.8	293
10/5/2025	4:30:00	6.9	2.615	19.6	656,789	12.8	295
10/5/2025	4:45:00	6.8	2.604	1.5	656,824	12.6	296
10/5/2025	5:00:00	6.8	2.002	5.1	656,861	12.5	298
10/5/2025	5:15:00	6.9	2.597	2.3	656,891	12.5	298
10/5/2025	5:30:00	6.9	2.589	2.6	656,929	12.5	299
10/5/2025	5:45:00	6.9	2.207	2.6	656,951	12.5	300

Title WoodFibre Weekly Water Discharge Report

Revision:
0
Data Date Range
September 29, 2025 to October 05, 2025
Prepared by:
SD
Approved by:
BC2
Date:
October 15, 2025

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
10/5/2025	6:00:00	6.9	2.593	2.9	656,989	12.5	300
10/5/2025	6:45:00	6.9	2.706	4.1	657,061	12.3	302
10/5/2025	7:00:00	6.9	1.987	5.8	657,097	12.2	298
10/5/2025	7:15:00	7	2.858	8.4	657,122	12.1	297
10/5/2025	7:30:00	6.9	2.858	10.7	657,165	11.9	296
10/5/2025	7:45:00	7	1.480	15.4	657,182	11.8	295
10/5/2025	8:00:00	6.9	2.699	15.7	657,221	11.9	296
10/5/2025	8:45:00	6.9	2.922	14	657,309	12.1	294
10/5/2025	9:15:00	7.1	2.831	1.5	657,331	12.4	291
10/5/2025	9:45:00	6.9	2.411	3.4	657,386	12.4	287
10/5/2025	10:00:00	7	2.449	2	657,407	12.8	291
10/5/2025	10:15:00	6.9	2.797	2.6	657,449	12.3	290
10/5/2025	10:30:00	6.9	2.820	3.9	657,472	12.4	287
10/5/2025	11:00:00	6.8	2.241	13.2	657,532	12.5	288
10/5/2025	11:15:00	6.8	2.805	4.1	657,558	12.6	289
10/5/2025	11:30:00	6.8	2.793	4.5	657,577	12.7	287
10/5/2025	11:45:00	6.7	2.407	17	657,593	12.8	287
10/5/2025	12:00:00	6.7	2.850	7.1	657,617	12.7	284
10/5/2025	12:15:00	6.7	2.593	5.4	657,656	12.7	287
10/5/2025	12:45:00	6.6	2.585	9.2	657,710	12.9	291
10/5/2025	13:00:00	6.6	1.942	17	657,745	13	294
10/5/2025	13:15:00	6.6	2.585	17.5	657,780	13	294
10/5/2025	13:30:00	6.6	2.665	7.1	657,802	13	297
10/5/2025	13:45:00	6.7	2.256	13.6	657,836	13	298
10/5/2025	14:00:00	6.8	2.597	12.2	657,856	13.3	302

Title WoodFibre Weekly Water Discharge Report

Revision:
0
Data Date Range
September 29, 2025 to October 05, 2025
Prepared by:
SD
Approved by:
BC2
Date:
October 15, 2025

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
10/5/2025	14:30:00	6.9	2.509	9.2	657,894	13	303
10/5/2025	14:45:00	6.9	2.865	2.3	657,935	12.9	303
10/5/2025	15:00:00	7	2.275	3.8	657,960	13	305
10/5/2025	15:15:00	7	2.706	2.4	657,999	12.9	305
10/5/2025	15:30:00	7	2.718	3.4	658,023	13	307
10/5/2025	16:00:00	7	2.593	3.7	658,082	13	308
10/5/2025	16:15:00	7	2.600	4.1	658,100	13.1	307
10/5/2025	16:30:00	7	2.752	6	658,117	13.1	307
10/5/2025	16:45:00	7	2.623	5.6	658,157	12.9	307
10/5/2025	17:00:00	7	1.961	9.8	658,193	12.8	309
10/5/2025	17:15:00	7	2.627	8.8	658,219	12.8	309
10/5/2025	17:30:00	7	2.604	3.8	658,257	12.8	309
10/5/2025	17:45:00	7	1.874	7	658,287	12.7	309
10/5/2025	18:15:00	7.1	2.608	5	658,338	12.8	312
10/5/2025	18:30:00	7.1	2.627	6.8	658,355	12.8	312
10/5/2025	18:45:00	7	2.615	3	658,394	12.7	312
10/5/2025	19:00:00	7	1.968	6.4	658,430	12.6	312
10/5/2025	19:15:00	7	2.612	3.3	658,465	12.6	310
10/5/2025	19:30:00	7	2.597	3.8	658,504	12.6	305
10/5/2025	20:00:00	7	2.559	2.5	658,560	12.4	298
10/5/2025	20:15:00	7	2.668	3.7	658,599	12.4	300
10/5/2025	20:30:00	7	2.672	2.4	658,634	12.5	307
10/5/2025	20:45:00	7	2.672	2.6	658,661	12.6	310
10/5/2025	21:00:00	7	2.097	3.2	658,698	12.7	314
10/5/2025	21:15:00	7.1	2.661	3.3	658,735	12.8	314

Title WoodFibre Weekly Water Discharge Report

Revision:
0
Data Date Range September 29, 2025 to October 05, 2025

Prepared by:
SD
Approved by:
BC2
Date:
October 15, 2025

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
10/5/2025	21:45:00	7.1	2.668	3.4	658,790	12.9	320
10/5/2025	22:00:00	7	2.256	3.7	658,810	12.9	320
10/5/2025	22:15:00	7	2.672	3.9	658,831	13	320
10/5/2025	22:30:00	7	2.676	3	658,867	12.9	319
10/5/2025	22:45:00	7	2.755	4.3	658,900	12.7	316
10/5/2025	23:00:00	7	1.745	4	658,936	12.6	312
10/5/2025	23:15:00	7	2.653	3.7	658,972	12.7	312
10/5/2025	23:30:00	7.1	0.602	5	659,007	12.7	315
10/5/2025	23:45:00	7.1	2.672	3.6	659,029	12.7	315

Table 3. In-Situ Parameters

Date	Temperature °C	DO mg/L	Conductivity SPC-uS/cm	SAL-ppt	pH	ORP (mV)	NTU
09/29/2025	14.7	9.90	212.2	0.10	7.99	102.8	2.31
09/30/2025	13.6	9.29	196.4	0.09	7.79	185.3	1.69
10/01/2025	12.5	10.41	186.7	0.09	7.53	190.2	4.61
10/02/2025	12.8	10.39	183.1	0.09	7.41	192.4	3.79
10/03/2025	14.2	9.78	194.7	0.09	7.36	227.4	2.33
10/04/2025	12.9	10.48	205.4	0.10	7.83	179.4	0.96
10/05/2025	13.8	10.03	198.4	0.10	7.49	163.2	2.84

		Eagle Mountain- Woodfibre Gas Pipeline Project- Tunnel Scope	
Title	WoodFibre Weekly Water Discharge Report	Revision:	0
Data Date Range	September 29, 2025 to October 05, 2025	Prepared by: Approved by: Date:	SD BC2 October 15, 2025

3. **Calibration Log:**

Table 4. Calibration Log

Date	Unit	pH	Conductivity/Temp.	Salinity	NTU
09/29/2025	YSI	✓	✓	✓	✓
09/29/2025	WTP	✓	N/A	N/A	✓

		Eagle Mountain- Woodfibre Gas Pipeline Project- Tunnel Scope	
Title	WoodFibre Weekly Water Discharge Report	Revision:	0
Data Date Range	September 29, 2025 to October 05, 2025	Prepared by: SD Approved by: BC2 Date: October 15, 2025	

APPENDIX A: WTP Log

Title	WoodFibre Weekly Water Discharge Report	Revision:	0
Data Date Range	September 29, 2025 to October 05, 2025	Prepared by: Approved by: Date:	SD BC2 October 15, 2025

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Valve Status	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
9/29/2025	0:00:00	7.1	2.282	0.7	639,150	Open	12.6	286
9/29/2025	0:15:00	7.1	2.551	0.5	639,169	Open	12.7	286
9/29/2025	0:30:00	7.1	2.494	0	639,207	Open	12.6	286
9/29/2025	0:45:00	7.2	2.188	19.9	639,239	Open	12.6	284
9/29/2025	1:00:00	7.1	2.778	1.4	639,263	Open	12.6	284
9/29/2025	1:15:00	7.1	2.744	1.5	639,304	Open	12.6	281
9/29/2025	1:30:00	7.3	2.067	7.4	639,338	Open	12.6	281
9/29/2025	1:45:00	7.4	2.680	11.7	639,353	Open	13.2	286
9/29/2025	2:00:00	7.1	2.070	0	639,392	Open	12.9	283
9/29/2025	2:15:00	7.3	2.846	2.1	639,428	Open	12.9	282
9/29/2025	2:30:00	7.1	2.612	1.2	639,468	Open	13	284
9/29/2025	2:45:00	7.2	0.000	10.3	639,500	Closed	13.2	281
9/29/2025	3:00:00	7.2	2.737	1.9	639,523	Open	13	282
9/29/2025	3:15:00	7.1	0.000	2.1	639,561	Closed	12.9	286
9/29/2025	3:30:00	6.9	2.362	1.3	639,578	Open	13.1	286
9/29/2025	3:45:00	6.9	2.718	2.8	639,619	Open	13.1	283
9/29/2025	4:00:00	6.9	2.180	5.6	639,659	Open	13.1	281
9/29/2025	4:15:00	7.1	0.000	2.7	639,676	Closed	13.5	278
9/29/2025	4:30:00	6.9	2.536	0	639,707	Open	13.2	278
9/29/2025	4:45:00	7	2.097	2.2	639,743	Open	13.3	281
9/29/2025	5:00:00	6.9	2.774	1.3	639,781	Open	13.2	281
9/29/2025	5:15:00	6.9	2.752	3	639,801	Open	13.4	279
9/29/2025	5:30:00	6.8	2.222	1.7	639,836	Open	13.3	274
9/29/2025	5:45:00	6.8	2.464	0.9	639,858	Closed	13.5	279

Title	WoodFibre Weekly Water Discharge Report	Revision:	0
Data Date Range	September 29, 2025 to October 05, 2025	Prepared by: Approved by: Date:	SD BC2 October 15, 2025

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Valve Status	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
9/29/2025	6:00:00	6.9	2.131	2	639,884	Open	13.3	278
9/29/2025	6:15:00	6.8	2.699	0.4	639,917	Open	13.3	278
9/29/2025	6:30:00	6.8	2.646	0	639,957	Open	13.2	278
9/29/2025	6:45:00	7	0.250	0	639,971	Closed	13.8	281
9/29/2025	7:00:00	6.9	2.642	0.3	640,005	Open	13.2	283
9/29/2025	7:15:00	7	2.615	1.9	640,045	Open	13	289
9/29/2025	7:30:00	7.2	2.210	5.6	640,077	Open	13.1	298
9/29/2025	7:45:00	7.2	0.182	5.3	640,113	Closed	13	296
9/29/2025	8:00:00	7.3	2.332	19.7	640,136	Open	12.9	296
9/29/2025	8:15:00	7.3	2.718	7.1	640,168	Open	12.9	294
9/29/2025	8:30:00	7.3	0.167	5	640,199	Closed	13.1	294
9/29/2025	8:45:00	7.4	1.688	3.3	640,229	Open	13	293
9/29/2025	9:00:00	7.5	2.127	22.9	640,239	Closed	13.1	293
9/29/2025	9:15:00	7.3	2.653	3.6	640,264	Open	13.5	299
9/29/2025	9:30:00	7.4	1.677	7.9	640,300	Open	14.2	302
9/29/2025	9:45:00	7.4	3.013	6.7	640,334	Open	14.8	304
9/29/2025	10:00:00	7.3	2.971	4.2	640,379	Open	15.3	305
9/29/2025	10:15:00	7.3	3.039	8	640,424	Open	15.7	304
9/29/2025	10:30:00	7.3	3.013	9.8	640,469	Open	16.1	304
9/29/2025	10:45:00	7.4	2.033	16.6	640,498	Open	16.5	304
9/29/2025	11:00:00	7.3	2.896	0.9	640,527	Open	16.7	307
9/29/2025	11:15:00	7.3	2.604	9.4	640,570	Open	17	304
9/29/2025	11:30:00	7.4	2.373	59.1	640,594	Open	17.2	306
9/29/2025	11:45:00	7.3	2.805	0.6	640,626	Open	13.2	292
9/29/2025	12:00:00	7.2	2.755	0.6	640,667	Open	12.9	292

Title	WoodFibre Weekly Water Discharge Report	Revision:	0
Data Date Range	September 29, 2025 to October 05, 2025	Prepared by: Approved by: Date:	SD BC2 October 15, 2025

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Valve Status	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
9/29/2025	12:15:00	7.2	2.718	1.1	640,709	Open	12.9	293
9/29/2025	12:30:00	7.3	2.241	13	640,737	Open	12.9	295
9/29/2025	12:45:00	7.3	2.157	20	640,775	Open	12.8	291
9/29/2025	13:00:00	7.3	0.435	14.4	640,787	Open	13.1	292
9/29/2025	13:15:00	7.3	2.952	3.9	640,825	Open	14	293
9/29/2025	13:30:00	7.2	2.078	3.9	640,868	Open	13.4	291
9/29/2025	13:45:00	7.2	2.104	24.6	640,901	Open	13.1	292
9/29/2025	14:00:00	7.3	2.684	12	640,934	Open	13.1	292
9/29/2025	14:15:00	7.3	2.627	4.8	640,974	Open	13.7	292
9/29/2025	14:30:00	7.3	2.581	4.1	641,013	Open	14.3	293
9/29/2025	14:45:00	7.3	2.581	7.9	641,031	Open	14	292
9/29/2025	15:00:00	7.3	0.413	4.3	641,065	Open	14.7	292
9/29/2025	15:15:00	7.3	2.597	1.9	641,096	Open	16.2	115
9/29/2025	15:30:00	7.2	0.125	1.1	641,114	Closed	16.8	116
9/29/2025	15:45:00	7.2	2.127	0.8	641,147	Open	17.7	119
9/29/2025	16:00:00	6.9	2.612	3.4	641,181	Open	14.8	281
9/29/2025	16:15:00	6.8	2.165	24.7	641,218	Open	14.2	285
9/29/2025	16:30:00	6.8	0.167	6.6	641,237	Closed	13.6	283
9/29/2025	16:45:00	7	2.600	3.7	641,273	Open	14.3	119
9/29/2025	17:00:00	7.1	2.419	4.9	641,307	Open	17.9	119
9/29/2025	17:15:00	6.9	0.549	8.5	641,338	Open	19.6	119
9/29/2025	17:30:00	6.8	2.555	11.7	641,359	Open	13.8	281
9/29/2025	17:45:00	7	1.877	5.4	641,390	Open	13.3	283
9/29/2025	18:00:00	7.1	2.600	13.7	641,406	Open	13.8	296
9/29/2025	18:15:00	7	2.301	9.7	641,440	Open	13.5	297

Title	WoodFibre Weekly Water Discharge Report	Revision:	0
Data Date Range	September 29, 2025 to October 05, 2025	Prepared by: Approved by: Date:	SD BC2 October 15, 2025

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Valve Status	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
9/29/2025	18:30:00	7	2.275	4	641,476	Open	13.9	295
9/29/2025	18:45:00	7.1	2.733	4.4	641,497	Open	14.9	297
9/29/2025	19:00:00	7.1	2.706	0.8	641,535	Open	14	294
9/29/2025	19:15:00	7.2	2.740	2.2	641,552	Open	14.4	293
9/29/2025	19:30:00	7.2	2.695	0.9	641,592	Open	13.5	293
9/29/2025	19:45:00	7.2	0.197	0.6	641,632	Closed	13.4	291
9/29/2025	20:00:00	7.2	2.665	1	641,653	Open	13.4	291
9/29/2025	20:15:00	7.2	1.711	3.1	641,682	Open	12.7	284
9/29/2025	20:30:00	7.2	2.581	2.3	641,714	Open	12.4	287
9/29/2025	20:45:00	7.2	2.536	2.1	641,752	Open	12.5	287
9/29/2025	21:00:00	7.3	2.237	7.8	641,788	Open	12.5	291
9/29/2025	21:15:00	7.3	2.650	4.9	641,805	Open	12.6	292
9/29/2025	21:30:00	7.2	2.521	2.9	641,843	Open	12.6	292
9/29/2025	21:45:00	7.2	2.051	4	641,881	Open	12.6	292
9/29/2025	22:00:00	7.3	1.915	25.5	641,893	Closed	12.8	291
9/29/2025	22:15:00	7.2	2.472	0	641,921	Open	12.5	281
9/29/2025	22:30:00	7.2	0.299	0	641,942	Open	12.5	279
9/29/2025	22:45:00	7.2	1.961	0	641,971	Open	12.4	279
9/29/2025	23:00:00	7.3	0.731	2.9	641,995	Open	12.4	279
9/29/2025	23:15:00	7.2	2.513	0.6	642,019	Open	12.3	281
9/29/2025	23:30:00	7.2	2.188	9.6	642,055	Open	12.3	279
9/29/2025	23:45:00	7.2	2.506	1.5	642,088	Open	12.3	279
9/30/2025	0:00:00	7.2	2.468	1.5	642,126	Open	12.4	279
9/30/2025	0:15:00	7.2	2.290	3.1	642,162	Open	12.5	279
9/30/2025	0:30:00	7.4	0.000	0.9	642,183	Closed	12.6	286

Title	WoodFibre Weekly Water Discharge Report	Revision:	0
Data Date Range	September 29, 2025 to October 05, 2025	Prepared by: Approved by: Date:	SD BC2 October 15, 2025

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Valve Status	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
9/30/2025	0:45:00	7.3	0.848	6.1	642,210	Closed	12.6	282
9/30/2025	1:00:00	7.2	2.608	0.4	642,237	Open	12.7	286
9/30/2025	1:15:00	7.3	2.509	2.5	642,275	Open	12.5	281
9/30/2025	1:30:00	7.2	2.755	1.8	642,314	Open	12.5	279
9/30/2025	1:45:00	7.2	2.668	2.8	642,336	Open	12.6	279
9/30/2025	2:00:00	7.3	1.635	9.1	642,369	Open	12.3	282
9/30/2025	2:15:00	7.3	2.665	16	642,398	Open	12.6	286
9/30/2025	2:30:00	7.2	2.623	2.9	642,438	Open	12.4	284
9/30/2025	2:45:00	7.2	0.337	1.2	642,454	Open	12.6	289
9/30/2025	3:00:00	7.3	1.446	1.1	642,472	Open	12.6	289
9/30/2025	3:15:00	7.3	2.608	1	642,491	Open	12.9	291
9/30/2025	3:30:00	7.2	2.608	0.7	642,530	Open	12.9	289
9/30/2025	3:45:00	7.2	2.214	12.3	642,566	Open	12.9	287
9/30/2025	4:00:00	7.2	2.559	1.8	642,602	Open	12.9	287
9/30/2025	4:15:00	7.2	2.544	3.4	642,640	Open	12.9	287
9/30/2025	4:30:00	7.2	0.000	10.2	642,675	Closed	12.9	286
9/30/2025	4:45:00	7.3	0.220	6.7	642,675	Closed	12.5	289
9/30/2025	5:00:00	7.2	2.547	0.8	642,702	Open	12.6	287
9/30/2025	5:15:00	7.2	2.464	12.9	642,740	Open	12.5	287
9/30/2025	5:30:00	7.3	2.415	4.1	642,776	Open	12.4	286
9/30/2025	5:45:00	7.2	2.532	2.4	642,797	Open	12.5	287
9/30/2025	6:00:00	7.2	0.000	3.2	642,829	Closed	12.4	284
9/30/2025	6:15:00	7.2	1.987	3.8	642,851	Open	12.4	284
9/30/2025	6:30:00	7.3	0.000	3.9	642,877	Closed	12.3	282
9/30/2025	6:45:00	7.2	2.699	1.5	642,903	Open	12.4	283

Title	WoodFibre Weekly Water Discharge Report	Revision:	0
Data Date Range	September 29, 2025 to October 05, 2025	Prepared by: Approved by: Date:	SD BC2 October 15, 2025

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Valve Status	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
9/30/2025	7:00:00	7.2	2.653	2.6	642,943	Open	12.7	282
9/30/2025	7:15:00	7.1	1.813	4.4	642,980	Open	13	286
9/30/2025	7:30:00	7.1	1.821	5.8	643,008	Open	13.7	286
9/30/2025	7:45:00	7	2.680	4.4	643,029	Open	13.4	286
9/30/2025	8:00:00	7	1.775	18.3	643,066	Closed	13	283
9/30/2025	8:15:00	7	0.000	12.6	643,087	Closed	13.3	279
9/30/2025	8:30:00	6.9	2.051	15.6	643,094	Open	14	278
9/30/2025	8:45:00	7	2.771	0	643,136	Open	12.9	274
9/30/2025	9:00:00	7.1	1.949	3.9	643,167	Open	13.3	276
9/30/2025	9:15:00	7.2	2.733	2.5	643,188	Open	13.4	278
9/30/2025	9:30:00	7.2	2.778	1.6	643,230	Open	13	279
9/30/2025	9:45:00	7.2	0.503	3	643,269	Open	13	279
9/30/2025	10:00:00	7.2	2.241	2	643,288	Open	13	279
9/30/2025	10:15:00	7.3	1.718	7	643,309	Open	12.9	279
9/30/2025	10:30:00	7.2	2.759	2.2	643,342	Open	12.4	279
9/30/2025	10:45:00	7.2	2.737	2.4	643,374	Open	12.5	279
9/30/2025	11:00:00	7.2	0.000	1.1	643,407	Closed	12.5	279
9/30/2025	11:15:00	7.2	1.597	4.1	643,441	Open	12.5	279
9/30/2025	11:30:00	7.3	1.393	9.9	643,461	Open	12.7	279
9/30/2025	11:45:00	7.2	2.820	5.3	643,485	Open	13	281
9/30/2025	12:00:00	7.2	2.786	5.8	643,527	Open	13.1	282
9/30/2025	12:15:00	7.2	2.752	5.9	643,568	Open	13.2	282
9/30/2025	12:30:00	7.2	1.510	5.2	643,592	Open	13.3	281
9/30/2025	12:45:00	7.2	2.699	5.2	643,633	Open	13.3	279
9/30/2025	13:00:00	7.2	2.695	2.4	643,656	Open	13.7	281

Title	WoodFibre Weekly Water Discharge Report	Revision:	0
Data Date Range	September 29, 2025 to October 05, 2025	Prepared by: Approved by: Date:	SD BC2 October 15, 2025

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Valve Status	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
9/30/2025	13:15:00	7.2	2.672	1.9	643,696	Open	13.3	279
9/30/2025	13:30:00	7.2	2.657	3.3	643,718	Open	13.8	282
9/30/2025	13:45:00	7.2	1.828	4	643,742	Open	13.8	281
9/30/2025	14:00:00	7.2	2.816	1.2	643,768	Open	13.3	279
9/30/2025	14:15:00	7.2	0.000	0.9	643,800	Closed	13.2	281
9/30/2025	14:30:00	7.2	2.771	2.2	643,827	Open	13.2	281
9/30/2025	14:45:00	7.2	0.000	0.7	643,856	Closed	13.2	281
9/30/2025	15:00:00	7.2	1.654	3.8	643,880	Open	12.5	278
9/30/2025	15:15:00	7.2	2.922	3.3	643,899	Open	12.7	281
9/30/2025	15:30:00	7.2	2.839	0.9	643,941	Open	12.7	282
9/30/2025	15:45:00	7.2	2.831	1.5	643,963	Open	12.8	277
9/30/2025	16:00:00	7.2	1.582	4.2	643,998	Open	12.8	278
9/30/2025	16:15:00	7.1	2.759	1.4	644,026	Open	12.9	279
9/30/2025	16:30:00	7	2.733	1.4	644,067	Open	13	280
9/30/2025	16:45:00	7	2.555	12.7	644,092	Closed	13.3	274
9/30/2025	17:00:00	6.9	1.987	4.1	644,127	Open	13.1	276
9/30/2025	17:15:00	6.9	1.385	16.3	644,147	Open	13	276
9/30/2025	17:30:00	2.6	2.684	6.7	644,179	Open	13.7	281
9/30/2025	17:45:00	7	2.627	1.4	644,219	Open	13	276
9/30/2025	18:00:00	7	1.964	7.6	644,257	Closed	13.1	276
9/30/2025	18:15:00	7	2.161	0	644,279	Open	13.4	276
9/30/2025	18:30:00	7.1	2.661	0.2	644,317	Open	13	279
9/30/2025	18:45:00	7.1	2.911	13.5	644,340	Open	13.2	282
9/30/2025	19:00:00	7.2	2.203	1.3	644,377	Open	13.6	283
9/30/2025	19:15:00	7.2	2.638	2.3	644,416	Open	12.9	281

Title	WoodFibre Weekly Water Discharge Report	Revision:	0
Data Date Range	September 29, 2025 to October 05, 2025	Prepared by: Approved by: Date:	SD BC2 October 15, 2025

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Valve Status	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
9/30/2025	19:30:00	7.2	2.612	0.8	644,434	Open	12.7	281
9/30/2025	19:45:00	7.3	1.416	5.8	644,457	Open	12.3	281
9/30/2025	20:00:00	7.3	2.615	1.9	644,490	Open	12.2	281
9/30/2025	20:15:00	7.3	1.427	1.5	644,525	Open	12.2	281
9/30/2025	20:30:00	7.3	1.393	4.4	644,549	Open	12.2	284
9/30/2025	20:45:00	7.4	0.000	6.7	644,588	Closed	12.4	287
9/30/2025	21:00:00	7.3	1.787	4	644,598	Open	12.2	289
9/30/2025	21:15:00	7.3	2.551	5	644,634	Open	12.2	286
9/30/2025	21:30:00	7.3	2.297	2.2	644,666	Closed	12.3	285
9/30/2025	21:45:00	7.3	2.078	8.8	644,679	Open	12.5	283
9/30/2025	22:00:00	7.2	2.551	4.4	644,715	Open	12.6	282
9/30/2025	22:15:00	7.2	0.000	5.1	644,748	Closed	12.7	285
9/30/2025	22:30:00	7.2	2.884	15.1	644,761	Open	12.7	284
9/30/2025	22:45:00	7.1	2.615	3.6	644,800	Open	12.9	281
9/30/2025	23:00:00	7.2	2.608	6	644,831	Open	13	281
9/30/2025	23:15:00	7.2	2.699	4.1	644,863	Open	12.9	283
9/30/2025	23:30:00	7.2	2.744	7.4	644,904	Open	13.1	284
9/30/2025	23:45:00	7.1	1.431	5.7	644,931	Open	12.9	284
10/1/2025	0:00:00	7.1	2.797	2.5	644,967	Open	13	284
10/1/2025	0:15:00	7.1	2.199	3.6	645,008	Open	13.1	284
10/1/2025	0:30:00	7.1	0.000	3.9	645,031	Closed	13.3	284
10/1/2025	0:45:00	7.1	2.687	2.5	645,068	Open	12.9	284
10/1/2025	1:00:00	7.1	0.000	0	645,097	Closed	13.2	284
10/1/2025	1:15:00	7	2.718	0	645,126	Open	13	279
10/1/2025	1:30:00	7	2.665	4.2	645,167	Open	13	279

Title	WoodFibre Weekly Water Discharge Report	Revision:	0
Data Date Range	September 29, 2025 to October 05, 2025	Prepared by: Approved by: Date:	SD BC2 October 15, 2025

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Valve Status	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
10/1/2025	1:45:00	6.9	1.885	11.5	645,186	Open	13	283
10/1/2025	2:00:00	7	2.737	9	645,223	Open	13	284
10/1/2025	2:15:00	7.1	2.176	5.1	645,261	Open	13.1	281
10/1/2025	2:30:00	7.1	2.691	29.2	645,296	Open	13.2	281
10/1/2025	2:45:00	7.1	0.314	1.7	645,318	Open	13.6	281
10/1/2025	3:00:00	7.1	2.532	9.8	645,327	Closed	13	278
10/1/2025	3:15:00	7.1	2.653	2.8	645,355	Open	12.9	278
10/1/2025	3:30:00	7.1	0.000	0.7	645,377	Closed	13.2	278
10/1/2025	3:45:00	7	2.347	5.3	645,403	Open	12.9	278
10/1/2025	4:00:00	7	2.755	3	645,443	Open	13	278
10/1/2025	4:15:00	7	2.263	3.3	645,482	Open	13.1	278
10/1/2025	4:30:00	7	2.740	5.4	645,510	Open	12.8	276
10/1/2025	4:45:00	7	2.699	3.6	645,551	Open	13	273
10/1/2025	5:00:00	7	0.000	2.3	645,567	Closed	13.4	278
10/1/2025	5:15:00	7	2.733	4.6	645,592	Open	13.2	276
10/1/2025	5:30:00	7	2.684	7.4	645,632	Open	13.2	276
10/1/2025	5:45:00	6.9	1.522	10.3	645,649	Open	13	274
10/1/2025	6:00:00	6.9	0.000	6.9	645,684	Closed	13	274
10/1/2025	6:15:00	6.9	1.624	6.3	645,695	Open	13	273
10/1/2025	6:30:00	6.9	2.949	13.6	645,721	Open	12.7	283
10/1/2025	6:45:00	7.1	2.702	1.5	645,746	Open	13.2	281
10/1/2025	7:00:00	7.1	2.706	3	645,782	Open	13.2	284
10/1/2025	7:15:00	7.1	0.386	2.5	645,805	Open	13.4	284
10/1/2025	7:30:00	7	2.748	0.4	645,844	Open	13.2	290
10/1/2025	7:45:00	7	2.294	5	645,879	Open	13.2	285

Title	WoodFibre Weekly Water Discharge Report	Revision:	0
Data Date Range	September 29, 2025 to October 05, 2025	Prepared by: Approved by: Date:	SD BC2 October 15, 2025

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Valve Status	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
10/1/2025	8:00:00	7.1	2.479	3.3	645,914	Closed	12.8	283
10/1/2025	8:15:00	7.2	1.514	4.7	645,936	Open	12.7	281
10/1/2025	8:30:00	7.2	2.532	18	645,966	Closed	12.7	283
10/1/2025	8:45:00	7.2	2.843	3.2	645,982	Open	12.6	283
10/1/2025	9:00:00	7.1	2.808	0	646,025	Open	13.2	283
10/1/2025	9:15:00	7.1	2.778	0	646,066	Open	12.9	283
10/1/2025	9:30:00	7.3	1.533	6	646,098	Open	13.1	283
10/1/2025	9:45:00	7.3	0.000	14.8	646,112	Closed	13.1	285
10/1/2025	10:00:00	7.2	2.782	0	646,129	Open	13.7	287
10/1/2025	10:15:00	7.1	2.619	0.4	646,169	Open	13.2	287
10/1/2025	10:30:00	7.2	0.322	3.8	646,188	Open	13.1	284
10/1/2025	10:45:00	7.1	2.786	4.6	646,225	Open	13.1	287
10/1/2025	11:00:00	7.1	2.559	12.4	646,265	Open	13.4	286
10/1/2025	11:15:00	7.2	0.375	1.5	646,300	Open	14.1	287
10/1/2025	11:30:00	7.1	2.937	0.9	646,323	Open	15.4	287
10/1/2025	11:45:00	7.2	2.873	3	646,367	Open	14.4	287
10/1/2025	12:00:00	7.2	2.907	1.1	646,388	Open	15.5	287
10/1/2025	12:15:00	7.2	0.000	0.4	646,419	Closed	16.6	285
10/1/2025	12:30:00	7.2	1.870	0	646,438	Open	14.1	117
10/1/2025	12:45:00	7.4	0.640	2.8	646,475	Open	17.7	117
10/1/2025	13:00:00	7.1	2.222	9.6	646,515	Open	13.1	281
10/1/2025	13:15:00	7.1	2.824	6.9	646,548	Open	13.6	117
10/1/2025	13:30:00	7.1	2.949	3.2	646,561	Open	13.1	282
10/1/2025	13:45:00	7.2	0.000	6.5	646,597	Closed	12.7	287
10/1/2025	14:00:00	7.1	2.903	3.9	646,623	Open	12.6	283

Title	WoodFibre Weekly Water Discharge Report	Revision:	0
Data Date Range	September 29, 2025 to October 05, 2025	Prepared by: Approved by: Date:	SD BC2 October 15, 2025

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Valve Status	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
10/1/2025	14:15:00	7.1	0.000	4.4	646,640	Closed	12.9	283
10/1/2025	14:30:00	7	2.532	9.5	646,671	Open	12.9	282
10/1/2025	14:45:00	7.1	0.000	9.5	646,713	Closed	12.8	282
10/1/2025	15:00:00	7.2	1.915	19.6	646,715	Closed	12.9	284
10/1/2025	15:15:00	7.2	1.995	8.4	646,750	Open	12.8	287
10/1/2025	15:30:00	7.3	2.619	15.5	646,781	Open	13	292
10/1/2025	15:45:00	7.5	0.409	401.1	646,811	Open	13.4	113
10/1/2025	16:00:00	7.3	2.176	20.1	646,842	Open	12.7	297
10/1/2025	16:15:00	7.3	2.653	5.1	646,868	Open	12.7	298
10/1/2025	16:30:00	7.4	3.100	5	646,903	Open	12.4	300
10/1/2025	16:45:00	7.3	2.642	8.6	646,931	Open	12.3	298
10/1/2025	17:00:00	7.4	0.579	12.1	646,944	Closed	12.4	295
10/1/2025	17:15:00	7.3	2.525	5.5	646,981	Open	12.5	295
10/1/2025	17:30:00	7.3	3.009	12.5	647,001	Open	12.5	295
10/1/2025	17:45:00	7.3	3.032	6.5	647,042	Open	12.3	295
10/1/2025	18:00:00	7.3	2.517	3.2	647,069	Open	12.4	297
10/1/2025	18:15:00	7.2	3.043	28.4	647,093	Open	12.5	297
10/1/2025	18:30:00	7.3	2.903	27.8	647,137	Open	12.5	290
10/1/2025	18:45:00	7.3	2.180	13.7	647,172	Open	12.5	295
10/1/2025	19:00:00	7.2	2.843	12	647,211	Open	12.5	295
10/1/2025	19:15:00	7.3	2.301	11.8	647,238	Open	12.5	297
10/1/2025	19:30:00	7.2	2.805	15.7	647,268	Open	12.3	297
10/1/2025	19:45:00	7.2	2.400	7.6	647,295	Closed	12.3	293
10/1/2025	20:00:00	7.2	1.805	11.1	647,320	Open	12.1	292
10/1/2025	20:15:00	7.2	2.661	2.9	647,342	Open	12.1	292

Title	WoodFibre Weekly Water Discharge Report	Revision:	0
Data Date Range	September 29, 2025 to October 05, 2025	Prepared by: Approved by: Date:	SD BC2 October 15, 2025

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Valve Status	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
10/1/2025	20:30:00	7.2	2.585	5.9	647,382	Open	12.2	295
10/1/2025	20:45:00	7.2	2.135	7.2	647,415	Open	12.5	293
10/1/2025	21:00:00	7.2	2.623	9.8	647,452	Open	12.9	293
10/1/2025	21:15:00	7.2	2.127	6.8	647,490	Open	12.6	294
10/1/2025	21:30:00	7.2	2.472	22.5	647,498	Closed	12.7	297
10/1/2025	21:45:00	7.3	2.612	0	647,538	Open	12.5	297
10/1/2025	22:00:00	7.2	1.397	5.1	647,568	Open	12.4	297
10/1/2025	22:15:00	7.3	0.303	10.5	647,583	Closed	12.5	297
10/1/2025	22:30:00	7.3	2.778	9.8	647,622	Open	12.6	297
10/1/2025	22:45:00	7.3	1.889	11.9	647,651	Open	12.7	297
10/1/2025	23:00:00	7.4	2.740	11.7	647,687	Open	12.7	296
10/1/2025	23:15:00	7.4	0.212	12.9	647,720	Closed	12.7	294
10/1/2025	23:30:00	7.3	2.585	20	647,722	Closed	12.5	293
10/1/2025	23:45:00	7.3	2.740	18.3	647,761	Open	12.6	291
10/2/2025	0:00:00	7.3	2.044	20.9	647,780	Open	12.8	294
10/2/2025	0:15:00	7.4	2.687	10.5	647,810	Open	12.6	289
10/2/2025	0:30:00	7.4	2.491	13	647,848	Open	12.6	291
10/2/2025	0:45:00	7.4	1.980	30.5	647,878	Open	12.8	293
10/2/2025	1:00:00	7.4	2.566	16.7	647,908	Open	12.9	296
10/2/2025	1:15:00	7.4	2.059	17.1	647,943	Open	12.9	292
10/2/2025	1:30:00	7.3	2.581	22.1	647,972	Closed	12.8	287
10/2/2025	1:45:00	7.3	0.303	13.1	648,001	Open	13.4	288
10/2/2025	2:00:00	7.3	2.229	14.2	648,032	Open	13.6	286
10/2/2025	2:15:00	7.3	2.740	13.3	648,070	Open	13.7	283
10/2/2025	2:30:00	7.2	2.835	29	648,095	Closed	14.4	284

Title WoodFibre Weekly Water Discharge Report

Revision:
0
Data Date Range
September 29, 2025 to October 05, 2025
Prepared by:
SD
Approved by:
BC2
Date:
October 15, 2025

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Valve Status	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
10/2/2025	2:45:00	7.1	2.316	20.4	648,111	Open	14.3	286
10/2/2025	3:00:00	7	2.786	17.4	648,151	Open	13.2	282
10/2/2025	3:15:00	7.1	2.339	28.5	648,176	Closed	13.2	286
10/2/2025	3:30:00	6.9	2.521	21.8	648,203	Closed	13.3	281
10/2/2025	3:45:00	6.8	2.714	14.3	648,243	Open	13.4	281
10/2/2025	4:00:00	6.6	2.350	8.3	648,275	Open	13.5	281
10/2/2025	4:15:00	6.4	2.748	12.4	648,304	Open	13.5	281
10/2/2025	4:30:00	6.6	2.718	13.5	648,343	Open	13.3	280
10/2/2025	4:45:00	6.3	2.415	21.3	648,351	Open	13	279
10/2/2025	5:00:00	7.1	2.744	7.6	648,376	Open	14	286
10/2/2025	5:15:00	7.2	2.248	10	648,415	Open	14	286
10/2/2025	5:30:00	7.2	0.170	8.4	648,446	Closed	14.2	284
10/2/2025	5:45:00	7.2	2.729	12.6	648,471	Open	13.8	282
10/2/2025	6:00:00	7.2	2.748	16.8	648,489	Open	14.3	285
10/2/2025	6:15:00	7.3	2.733	8	648,526	Open	13.7	285
10/2/2025	6:30:00	7.3	0.170	1.6	648,549	Closed	13.7	287
10/2/2025	6:45:00	7.3	2.316	10.2	648,583	Open	13.6	281
10/2/2025	7:00:00	7.3	2.714	5.9	648,622	Open	13.3	281
10/2/2025	7:15:00	7.3	2.139	14.5	648,655	Open	13.3	281
10/2/2025	7:30:00	7.2	0.329	4.5	648,680	Open	12.9	283
10/2/2025	7:45:00	7.3	1.151	6.9	648,713	Open	12.6	283
10/2/2025	8:00:00	7.3	0.992	4.3	648,729	Open	12.8	282
10/2/2025	8:15:00	7.3	2.990	2.2	648,765	Open	12.3	282
10/2/2025	8:30:00	7.4	1.435	0	648,805	Open	12.4	281
10/2/2025	8:45:00	7.4	2.975	0	648,831	Open	12.3	279

Title	WoodFibre Weekly Water Discharge Report	Revision:	0
Data Date Range	September 29, 2025 to October 05, 2025	Prepared by: Approved by: Date:	SD BC2 October 15, 2025

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Valve Status	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
10/2/2025	9:00:00	7.3	0.326	0	648,862	Open	12.5	278
10/2/2025	9:15:00	7.3	0.265	0	648,894	Closed	12.5	280
10/2/2025	9:30:00	7.3	2.975	0	648,918	Open	12.4	280
10/2/2025	9:45:00	7.3	2.979	0	648,942	Open	12.8	283
10/2/2025	10:00:00	7.3	0.000	0	648,969	Closed	12.7	283
10/2/2025	10:15:00	7.2	2.956	0	649,003	Open	12.6	282
10/2/2025	10:30:00	7.2	0.117	0	649,033	Closed	12.8	283
10/2/2025	10:45:00	7.1	2.964	0	649,066	Open	13.7	282
10/2/2025	11:00:00	7.1	0.000	0	649,099	Closed	13.2	281
10/2/2025	11:15:00	6.9	2.347	0	649,130	Open	13.3	282
10/2/2025	11:30:00	6.7	2.964	0	649,150	Open	13.3	280
10/2/2025	11:45:00	6.6	2.960	0	649,168	Open	13.3	283
10/2/2025	12:00:00	6.5	2.718	0	649,207	Open	13	283
10/2/2025	12:15:00	6.4	2.771	0.5	649,243	Open	13.9	283
10/2/2025	12:30:00	6.3	2.347	0	649,265	Open	13.2	282
10/2/2025	12:45:00	6.2	2.733	0	649,304	Open	13.7	282
10/2/2025	13:00:00	6.1	0.136	0	649,326	Closed	14.2	284
10/2/2025	13:15:00	6.4	2.324	0	649,353	Open	14.4	282
10/2/2025	13:30:00	7.5	2.752	23	649,378	Open	15.7	286
10/2/2025	13:45:00	-0.4	2.275	0.6	649,415	Open	13.3	279
10/2/2025	14:00:00	-0.4	2.865	432.6	649,455	Open	13.3	279
10/2/2025	14:15:00	-0.4	2.869	0	649,485	Open	14.8	119
10/2/2025	14:30:00	2.8	2.059	0.7	649,524	Open	13.3	281
10/2/2025	14:45:00	6.8	2.926	0	649,564	Open	13.1	286
10/2/2025	15:00:00	6.8	2.933	0	649,593	Open	13.1	286

Title	WoodFibre Weekly Water Discharge Report	Revision:	0
Data Date Range	September 29, 2025 to October 05, 2025	Prepared by: Approved by: Date:	SD BC2 October 15, 2025

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Valve Status	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
10/2/2025	15:15:00	6.8	1.779	0	649,630	Open	13	286
10/2/2025	15:30:00	6.9	2.771	0.4	649,669	Open	13.1	286
10/2/2025	15:45:00	7	0.310	0.3	649,700	Open	13.2	287
10/2/2025	16:00:00	6.9	2.260	3.3	649,730	Open	13.1	289
10/2/2025	16:15:00	6.9	2.808	1.3	649,750	Open	13.1	289
10/2/2025	16:30:00	6.8	2.347	0.8	649,777	Open	13.2	297
10/2/2025	16:45:00	6.8	2.403	1	649,801	Open	13.1	294
10/2/2025	17:00:00	6.8	2.786	0.7	649,841	Open	13	294
10/2/2025	17:15:00	6.8	2.748	0.9	649,879	Open	13	293
10/2/2025	17:30:00	6.8	2.229	2.9	649,919	Open	13.1	296
10/2/2025	17:45:00	6.9	0.159	0.5	649,951	Closed	13	294
10/2/2025	18:00:00	6.8	2.782	0	649,982	Open	13.1	294
10/2/2025	18:15:00	6.5	1.949	1.6	650,009	Open	13.3	292
10/2/2025	18:30:00	6.2	0.848	0	650,022	Open	13.3	290
10/2/2025	18:45:00	6	2.744	0	650,043	Open	13.5	291
10/2/2025	19:00:00	7.4	2.192	0	650,084	Open	13.6	291
10/2/2025	19:15:00	6	2.725	0	650,104	Open	13.6	290
10/2/2025	19:30:00	6.5	2.699	0	650,145	Open	13.2	289
10/2/2025	19:45:00	6.6	2.169	0	650,175	Open	13.1	288
10/2/2025	20:00:00	6.7	2.820	0	650,204	Open	13	288
10/2/2025	20:15:00	6.7	2.820	0	650,236	Open	13.2	287
10/2/2025	20:30:00	8.4	1.745	13.2	650,268	Open	13.5	288
10/2/2025	20:45:00	6.8	2.793	84.2	650,296	Open	15	289
10/2/2025	21:00:00	6.2	0.564	0	650,337	Open	13.3	284
10/2/2025	21:15:00	6.3	2.763	0.7	650,366	Open	12.9	287

Title	WoodFibre Weekly Water Discharge Report	Revision:	0
Data Date Range	September 29, 2025 to October 05, 2025	Prepared by: Approved by: Date:	SD BC2 October 15, 2025

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Valve Status	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
10/2/2025	21:30:00	6.4	2.771	0	650,396	Open	12.8	287
10/2/2025	21:45:00	6.4	2.786	0.1	650,427	Open	13.1	291
10/2/2025	22:00:00	6.6	0.360	0	650,459	Open	12.8	296
10/2/2025	22:15:00	6.6	0.318	0.1	650,490	Open	12.8	296
10/2/2025	22:30:00	6.5	0.689	0.3	650,524	Open	12.8	296
10/2/2025	22:45:00	6.4	2.744	0.2	650,555	Open	12.9	291
10/2/2025	23:00:00	6.4	2.759	0.7	650,584	Open	12.9	291
10/2/2025	23:15:00	6.5	0.424	0.3	650,615	Open	13.6	118
10/2/2025	23:30:00	6.5	0.394	0	650,645	Open	14.1	119
10/2/2025	23:45:00	6.3	2.964	1.7	650,670	Open	13.9	282
10/3/2025	0:00:00	6.2	2.956	1.2	650,701	Open	13.2	288
10/3/2025	0:15:00	6.1	0.352	1.4	650,735	Open	13.7	119
10/3/2025	0:30:00	6.1	2.279	1.3	650,759	Open	13.5	286
10/3/2025	0:45:00	5.8	2.687	1.5	650,785	Open	13.5	284
10/3/2025	1:00:00	5.7	2.691	2.1	650,814	Open	13.5	284
10/3/2025	1:15:00	5.8	2.657	6.6	650,849	Open	13.4	288
10/3/2025	1:30:00	6	2.483	2.6	650,872	Closed	13.2	284
10/3/2025	1:45:00	6.2	2.676	3.7	650,897	Open	13.1	289
10/3/2025	2:00:00	6.3	2.226	3.7	650,916	Open	13.3	291
10/3/2025	2:15:00	6.5	0.636	36.3	650,947	Closed	14.4	119
10/3/2025	2:30:00	6.3	0.590	42	650,966	Closed	15.1	121
10/3/2025	2:45:00	5.9	2.324	32.8	650,981	Closed	13.3	290
10/3/2025	3:00:00	6.2	0.556	1.7	651,000	Closed	13.3	290
10/3/2025	3:15:00	6.3	0.636	2.6	651,028	Closed	13.1	290
10/3/2025	3:30:00	6.1	2.528	2.7	651,054	Open	13.2	289

Title	WoodFibre Weekly Water Discharge Report	Revision:	0
Data Date Range	September 29, 2025 to October 05, 2025	Prepared by: Approved by: Date:	SD BC2 October 15, 2025

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Valve Status	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
10/3/2025	3:45:00	5.7	2.506	2.5	651,088	Open	13.4	287
10/3/2025	4:00:00	5.4	2.525	3.9	651,111	Open	13.7	284
10/3/2025	4:15:00	5.8	2.513	3.7	651,148	Open	13.3	288
10/3/2025	4:30:00	5.6	2.070	6	651,180	Open	13.6	286
10/3/2025	4:45:00	5.4	2.687	6.7	651,204	Open	13.9	287
10/3/2025	5:00:00	5.8	2.506	4.6	651,241	Open	13.2	283
10/3/2025	5:15:00	6.1	2.509	8.1	651,270	Open	13.2	286
10/3/2025	5:30:00	6	2.494	4	651,308	Open	13	288
10/3/2025	5:45:00	5.7	2.494	4.4	651,328	Open	13.2	287
10/3/2025	6:00:00	5.5	1.911	6.8	651,346	Open	13.1	287
10/3/2025	6:15:00	6	2.475	5.9	651,382	Open	13.1	291
10/3/2025	6:30:00	6.3	1.968	9.4	651,417	Open	12.9	292
10/3/2025	6:45:00	6.2	2.010	10.7	651,449	Open	13	290
10/3/2025	7:00:00	6.1	2.475	10.5	651,474	Open	12.9	288
10/3/2025	7:15:00	6.2	2.487	12.9	651,507	Open	12.8	288
10/3/2025	7:30:00	6.4	1.945	16.4	651,539	Open	12.7	291
10/3/2025	7:45:00	6.5	1.476	2.2	651,574	Open	12.6	289
10/3/2025	8:00:00	6.5	2.907	2.3	651,592	Open	12.5	289
10/3/2025	8:15:00	6.6	0.356	5.3	651,630	Closed	12.5	287
10/3/2025	8:30:00	6.7	0.310	2.6	651,656	Closed	12.4	289
10/3/2025	8:45:00	6.6	2.767	1.9	651,695	Open	12.4	288
10/3/2025	9:00:00	6.5	2.245	1.4	651,715	Open	12.7	287
10/3/2025	9:15:00	6.5	1.397	5.9	651,734	Open	13	286
10/3/2025	9:30:00	6.3	2.918	1.7	651,756	Open	13.1	287
10/3/2025	9:45:00	6.4	2.377	1.7	651,797	Open	13.1	289

Title	WoodFibre Weekly Water Discharge Report	Revision:	0
Data Date Range	September 29, 2025 to October 05, 2025	Prepared by: Approved by: Date:	SD BC2 October 15, 2025

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Valve Status	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
10/3/2025	10:00:00	6.5	2.903	1.7	651,825	Open	12.8	286
10/3/2025	10:15:00	6.5	2.896	1.4	651,869	Open	12.8	289
10/3/2025	10:30:00	6.6	2.210	1.6	651,910	Open	13.1	294
10/3/2025	10:45:00	6.5	2.877	1.6	651,937	Open	12.9	291
10/3/2025	11:00:00	6.6	2.827	1.4	651,980	Open	13	292
10/3/2025	11:15:00	5.4	0.000	13.1	651,998	Closed	13	279
10/3/2025	11:30:00	4.8	1.139	11.9	651,998	Closed	13	291
10/3/2025	11:45:00	4.8	0.348	6.3	651,998	Closed	14.2	296
10/3/2025	12:00:00	4.8	0.481	4.9	651,998	Closed	15.7	293
10/3/2025	12:15:00	4.6	2.006	47.4	651,998	Closed	14.7	317
10/3/2025	12:30:00	5.1	1.465	23.2	651,998	Closed	13	296
10/3/2025	12:45:00	-0.4	1.881	7.7	651,998	Closed	13.3	118
10/3/2025	13:00:00	5.7	1.665	12.5	651,998	Closed	12.7	322
10/3/2025	13:15:00	6.4	2.790	19.7	652,030	Open	12.6	322
10/3/2025	13:30:00	6.7	1.923	49	652,074	Open	12.5	322
10/3/2025	13:45:00	7	1.915	19.7	652,113	Open	12.9	317
10/3/2025	14:00:00	6.9	3.225	14.7	652,157	Open	12.5	308
10/3/2025	14:15:00	6.9	2.207	7.2	652,186	Open	12.7	312
10/3/2025	14:30:00	6.9	3.020	10.4	652,220	Open	12.8	307
10/3/2025	14:45:00	6.9	3.126	7.6	652,267	Open	12.4	303
10/3/2025	15:00:00	6.9	2.983	4.8	652,294	Open	13.3	300
10/3/2025	15:15:00	6.9	2.971	4	652,335	Open	12.6	303
10/3/2025	15:30:00	6.9	2.479	2.9	652,366	Open	12.8	300
10/3/2025	15:45:00	6.9	2.979	3.3	652,397	Open	13.5	298
10/3/2025	16:00:00	6.9	2.964	1.8	652,437	Open	13.1	300

Title	WoodFibre Weekly Water Discharge Report	Revision:	0
Data Date Range	September 29, 2025 to October 05, 2025	Prepared by: Approved by: Date:	SD BC2 October 15, 2025

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Valve Status	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
10/3/2025	16:15:00	6.9	2.468	1.8	652,468	Open	14.4	119
10/3/2025	16:30:00	6.8	2.941	1.8	652,512	Open	13.1	299
10/3/2025	16:45:00	6.8	2.952	1.4	652,542	Open	13.8	296
10/3/2025	17:00:00	6.8	0.386	399.6	652,568	Open	14.7	119
10/3/2025	17:15:00	6.8	0.344	15.8	652,599	Open	14	119
10/3/2025	17:30:00	6.8	0.314	105.1	652,624	Open	14.1	119
10/3/2025	17:45:00	6.7	2.986	1.2	652,645	Open	13.2	298
10/3/2025	18:00:00	6.7	2.865	1.3	652,685	Open	13.1	298
10/3/2025	18:15:00	6.8	2.135	2.5	652,713	Open	14.5	119
10/3/2025	18:30:00	6.7	2.843	2.1	652,756	Open	13	293
10/3/2025	18:45:00	6.8	2.861	2.6	652,799	Open	12.9	297
10/3/2025	19:00:00	6.8	2.362	5.2	652,825	Open	12.8	299
10/3/2025	19:15:00	6.8	2.877	2.8	652,856	Open	12.8	299
10/3/2025	19:30:00	6.8	2.142	4.8	652,894	Open	12.6	299
10/3/2025	19:45:00	6.8	2.040	5.1	652,918	Open	12.8	299
10/3/2025	20:00:00	6.9	2.585	3.4	652,955	Open	12.5	299
10/3/2025	20:15:00	6.9	0.000	2.6	652,984	Closed	12.5	299
10/3/2025	20:30:00	6.9	2.089	2.7	653,015	Open	12.4	296
10/3/2025	20:45:00	6.9	2.320	12.1	653,040	Open	12.3	296
10/3/2025	21:00:00	6.9	2.422	10.5	653,072	Open	12.2	297
10/3/2025	21:15:00	6.9	0.000	16.7	653,101	Closed	12.3	297
10/3/2025	21:30:00	6.9	1.643	9.7	653,117	Closed	12.3	297
10/3/2025	21:45:00	6.9	2.472	17	653,142	Open	12.3	297
10/3/2025	22:00:00	7	1.525	32	653,168	Closed	12.5	296
10/3/2025	22:15:00	6.9	1.593	6.7	653,194	Open	12.5	298

Title	WoodFibre Weekly Water Discharge Report	Revision:	0
Data Date Range	September 29, 2025 to October 05, 2025	Prepared by: Approved by: Date:	SD BC2 October 15, 2025

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Valve Status	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
10/3/2025	22:30:00	6.9	2.555	9.5	653,232	Open	12.7	297
10/3/2025	22:45:00	7	0.170	11.9	653,257	Closed	13	296
10/3/2025	23:00:00	6.9	2.578	10.1	653,288	Open	13.9	296
10/3/2025	23:15:00	6.9	2.521	8.9	653,326	Open	14.9	296
10/3/2025	23:30:00	6.8	1.298	41.2	653,352	Closed	13.1	294
10/3/2025	23:45:00	6.9	2.597	6.6	653,377	Open	12.9	296
10/4/2025	0:00:00	6.9	2.536	5	653,416	Open	12.9	296
10/4/2025	0:15:00	6.9	2.214	9.2	653,438	Open	13.3	297
10/4/2025	0:30:00	6.9	0.125	3.7	653,462	Closed	13.1	296
10/4/2025	0:45:00	6.8	2.127	30.5	653,494	Open	13	296
10/4/2025	1:00:00	6.8	2.612	3.5	653,518	Open	12.9	298
10/4/2025	1:15:00	6.7	2.551	2.2	653,556	Open	12.9	298
10/4/2025	1:30:00	6.7	1.404	14	653,565	Open	13	298
10/4/2025	1:45:00	6.7	2.615	1.7	653,599	Open	13.1	304
10/4/2025	2:00:00	6.7	2.570	1.9	653,638	Open	13.2	314
10/4/2025	2:15:00	6.6	2.627	2.8	653,667	Open	13.6	315
10/4/2025	2:30:00	6.3	2.574	1.8	653,706	Open	13.6	309
10/4/2025	2:45:00	6.2	2.169	48.3	653,744	Open	13.4	303
10/4/2025	3:00:00	6.3	2.566	4	653,756	Open	13.4	300
10/4/2025	3:15:00	6.3	0.484	0.6	653,777	Closed	13.6	300
10/4/2025	3:30:00	6.2	1.207	0.6	653,797	Open	13.2	300
10/4/2025	3:45:00	6.3	2.540	0.7	653,830	Open	13.1	300
10/4/2025	4:00:00	6.5	2.468	0.4	653,868	Open	13	298
10/4/2025	4:15:00	6.5	2.547	1.4	653,896	Open	13	299
10/4/2025	4:30:00	6.6	2.498	0.4	653,934	Open	12.9	299

Title	WoodFibre Weekly Water Discharge Report	Revision:	0
Data Date Range	September 29, 2025 to October 05, 2025	Prepared by: Approved by: Date:	SD BC2 October 15, 2025

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Valve Status	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
10/4/2025	4:45:00	6.6	1.934	5.7	653,956	Open	13.3	300
10/4/2025	5:00:00	6.6	2.528	0.5	653,989	Open	13	299
10/4/2025	5:15:00	6.5	2.494	0	654,027	Open	13	301
10/4/2025	5:30:00	6.4	1.998	0	654,059	Open	13.3	300
10/4/2025	5:45:00	6.1	2.525	0	654,079	Open	13.4	300
10/4/2025	6:00:00	5.9	0.379	0	654,104	Closed	13.6	300
10/4/2025	6:15:00	5.9	2.668	1.2	654,125	Open	13.2	300
10/4/2025	6:30:00	5.8	1.559	0	654,156	Open	13.3	302
10/4/2025	6:45:00	5.6	2.706	0	654,195	Open	13.2	300
10/4/2025	7:00:00	5.8	1.855	0	654,217	Closed	13.5	300
10/4/2025	7:15:00	6	0.590	0.1	654,251	Closed	13.1	300
10/4/2025	7:30:00	6.2	2.157	1.5	654,274	Open	13	302
10/4/2025	7:45:00	6.2	2.752	0.4	654,298	Open	13	300
10/4/2025	8:00:00	6.3	0.000	3.5	654,323	Closed	12.8	301
10/4/2025	8:15:00	6.4	2.816	0	654,355	Open	12.8	299
10/4/2025	8:30:00	6.5	2.229	1.1	654,376	Open	12.8	297
10/4/2025	8:45:00	6.6	2.903	0.4	654,397	Open	12.7	300
10/4/2025	9:00:00	6.7	0.265	0.3	654,433	Closed	12.5	296
10/4/2025	9:15:00	6.7	2.843	0.4	654,460	Open	12.5	296
10/4/2025	9:30:00	6.7	2.790	0.7	654,475	Closed	12.5	296
10/4/2025	9:45:00	6.8	1.332	2.4	654,492	Open	12.6	300
10/4/2025	10:00:00	6.8	2.926	1.2	654,512	Open	12.6	300
10/4/2025	10:15:00	6.8	2.880	1	654,556	Open	12.6	300
10/4/2025	10:30:00	6.8	2.808	0.8	654,576	Open	12.9	304
10/4/2025	10:45:00	6.8	2.911	0.6	654,619	Open	12.8	307

Title	WoodFibre Weekly Water Discharge Report	Revision:	0
Data Date Range	September 29, 2025 to October 05, 2025	Prepared by: Approved by: Date:	SD BC2 October 15, 2025

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Valve Status	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
10/4/2025	11:00:00	6.8	0.712	0.4	654,650	Closed	13	303
10/4/2025	11:15:00	6.8	2.865	0.3	654,686	Open	13	304
10/4/2025	11:30:00	6.8	0.628	0	654,717	Closed	13.2	304
10/4/2025	11:45:00	6.7	2.827	4.7	654,735	Open	13.1	303
10/4/2025	12:00:00	6.6	2.672	0.3	654,764	Open	13.1	300
10/4/2025	12:15:00	6.6	2.668	0.6	654,804	Open	13.1	302
10/4/2025	12:30:00	6.7	2.808	0.9	654,846	Open	13.1	301
10/4/2025	12:45:00	6.7	2.827	2	654,868	Open	13.4	304
10/4/2025	13:00:00	6.9	0.534	1.6	654,899	Closed	13.2	309
10/4/2025	13:15:00	6.9	2.797	1.8	654,932	Open	13.2	319
10/4/2025	13:30:00	6.9	2.782	1.8	654,957	Open	13.3	327
10/4/2025	13:45:00	7.3	2.279	3.7	654,977	Open	13.4	339
10/4/2025	14:00:00	7	2.786	1.8	654,996	Open	13.5	335
10/4/2025	14:15:00	7	2.778	4.2	655,038	Open	13.4	335
10/4/2025	14:30:00	7	2.324	4.3	655,063	Open	13.5	334
10/4/2025	14:45:00	6.9	2.793	3.3	655,086	Open	13.6	332
10/4/2025	15:00:00	7	2.222	2.5	655,125	Open	13.5	332
10/4/2025	15:15:00	7	2.778	8.9	655,149	Open	13.4	327
10/4/2025	15:30:00	7	1.840	8.9	655,187	Open	13.4	322
10/4/2025	15:45:00	7	2.827	5.2	655,216	Open	13.4	322
10/4/2025	16:00:00	7	2.812	3.5	655,258	Open	13.3	320
10/4/2025	16:15:00	6.9	2.805	2.9	655,288	Open	13.3	320
10/4/2025	16:30:00	6.9	2.820	3.4	655,318	Open	13.4	317
10/4/2025	16:45:00	7	1.756	27.3	655,356	Open	13.3	320
10/4/2025	17:00:00	7	2.763	3.5	655,374	Closed	13.3	320

Title WoodFibre Weekly Water Discharge Report

Revision:
0
Data Date Range September 29, 2025 to October 05, 2025

Prepared by:
SD
Approved by:
BC2
Date:
October 15, 2025

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Valve Status	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
10/4/2025	17:15:00	6.9	2.850	2.8	655,416	Open	13.3	319
10/4/2025	17:30:00	7	0.341	2.8	655,448	Closed	13.3	319
10/4/2025	17:45:00	6.9	2.839	2.3	655,486	Open	13.3	314
10/4/2025	18:00:00	6.8	2.971	1.9	655,514	Open	13.4	311
10/4/2025	18:15:00	6.8	0.212	2.1	655,551	Closed	13.3	308
10/4/2025	18:30:00	6.6	2.918	1.9	655,580	Open	13.4	310
10/4/2025	18:45:00	6.5	1.548	2.5	655,598	Open	13.6	309
10/4/2025	19:00:00	6.5	2.896	2	655,633	Open	13.4	310
10/4/2025	19:15:00	6.5	2.896	4	655,657	Open	13.7	305
10/4/2025	19:30:00	6.5	0.185	5.3	655,693	Closed	13.3	302
10/4/2025	19:45:00	6.5	2.877	2.3	655,725	Open	13.1	300
10/4/2025	20:00:00	6.5	1.870	10.3	655,751	Open	12.9	298
10/4/2025	20:15:00	6.5	2.316	9.8	655,768	Open	13.2	297
10/4/2025	20:30:00	6.4	2.858	12.5	655,803	Open	12.8	297
10/4/2025	20:45:00	6.4	2.608	7.8	655,832	Open	12.8	297
10/4/2025	21:00:00	6.5	2.604	10	655,871	Open	12.7	297
10/4/2025	21:15:00	6.6	0.208	17.5	655,890	Closed	12.9	297
10/4/2025	21:30:00	6.4	1.718	17.3	655,921	Open	12.9	299
10/4/2025	21:45:00	6.2	2.684	2.1	655,958	Open	13	296
10/4/2025	22:00:00	6.3	0.216	1.6	655,993	Closed	13	296
10/4/2025	22:15:00	6.2	2.691	3.4	656,023	Open	13	296
10/4/2025	22:30:00	6.2	2.695	2.8	656,056	Open	13.2	296
10/4/2025	22:45:00	6.3	1.832	8.9	656,094	Open	13	297
10/4/2025	23:00:00	6.4	2.354	25.8	656,117	Closed	12.9	297
10/4/2025	23:15:00	6.4	2.604	6.1	656,152	Open	12.9	294

Title WoodFibre Weekly Water Discharge Report

Revision:
0
Data Date Range
September 29, 2025 to October 05, 2025
Prepared by:
SD
Approved by:
BC2
Date:
October 15, 2025

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Valve Status	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
10/4/2025	23:30:00	6.5	2.593	7.5	656,191	Open	12.9	293
10/4/2025	23:45:00	6.6	1.957	13.4	656,209	Open	12.9	293
10/5/2025	0:00:00	6.6	2.608	2	656,247	Open	12.9	293
10/5/2025	0:15:00	6.7	0.428	1.9	656,275	Open	13.1	293
10/5/2025	0:30:00	6.6	2.589	1.8	656,308	Open	13	292
10/5/2025	0:45:00	6.7	2.570	3.1	656,346	Open	12.9	292
10/5/2025	1:00:00	6.7	1.930	25.6	656,371	Open	13.6	293
10/5/2025	1:15:00	6.7	0.261	2.5	656,404	Closed	13	292
10/5/2025	1:30:00	6.5	2.566	2.1	656,427	Open	13.1	294
10/5/2025	1:45:00	6.4	2.063	3.1	656,448	Open	13.4	294
10/5/2025	2:00:00	6.2	2.578	2.3	656,481	Open	13.2	293
10/5/2025	2:15:00	6.1	2.555	3.1	656,519	Open	13.2	293
10/5/2025	2:30:00	5.9	2.593	2.8	656,542	Open	13.4	292
10/5/2025	2:45:00	6	2.574	3.2	656,581	Open	13.2	288
10/5/2025	3:00:00	6.2	0.000	6.3	656,613	Closed	13.2	289
10/5/2025	3:15:00	6.4	2.574	4	656,642	Open	13	294
10/5/2025	3:30:00	6.6	0.250	5.3	656,672	Closed	13	292
10/5/2025	3:45:00	6.6	1.832	6.1	656,693	Open	12.9	288
10/5/2025	4:00:00	6.7	0.136	6.9	656,725	Closed	12.8	292
10/5/2025	4:15:00	6.8	2.653	6.2	656,758	Open	12.8	293
10/5/2025	4:30:00	6.9	2.615	19.6	656,789	Open	12.8	295
10/5/2025	4:45:00	6.8	2.604	1.5	656,824	Open	12.6	296
10/5/2025	5:00:00	6.8	2.002	5.1	656,861	Open	12.5	298
10/5/2025	5:15:00	6.9	2.597	2.3	656,891	Open	12.5	298
10/5/2025	5:30:00	6.9	2.589	2.6	656,929	Open	12.5	299

Title	WoodFibre Weekly Water Discharge Report	Revision:	0
Data Date Range	September 29, 2025 to October 05, 2025	Prepared by: Approved by: Date:	SD BC2 October 15, 2025

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Valve Status	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
10/5/2025	5:45:00	6.9	2.207	2.6	656,951	Open	12.5	300
10/5/2025	6:00:00	6.9	2.593	2.9	656,989	Open	12.5	300
10/5/2025	6:15:00	7	0.079	3	657,022	Closed	12.4	300
10/5/2025	6:30:00	7	0.231	4.6	657,039	Closed	12.3	300
10/5/2025	6:45:00	6.9	2.706	4.1	657,061	Open	12.3	302
10/5/2025	7:00:00	6.9	1.987	5.8	657,097	Open	12.2	298
10/5/2025	7:15:00	7	2.858	8.4	657,122	Open	12.1	297
10/5/2025	7:30:00	6.9	2.858	10.7	657,165	Open	11.9	296
10/5/2025	7:45:00	7	1.480	15.4	657,182	Open	11.8	295
10/5/2025	8:00:00	6.9	2.699	15.7	657,221	Open	11.9	296
10/5/2025	8:15:00	7	2.589	399.8	657,245	Closed	12	114
10/5/2025	8:30:00	6.9	0.000	7.7	657,275	Closed	12.1	289
10/5/2025	8:45:00	6.9	2.922	14	657,309	Open	12.1	294
10/5/2025	9:00:00	6.9	1.995	35.4	657,324	Closed	12.3	294
10/5/2025	9:15:00	7.1	2.831	1.5	657,331	Open	12.4	291
10/5/2025	9:30:00	7.2	1.715	1.9	657,351	Closed	13.5	292
10/5/2025	9:45:00	6.9	2.411	3.4	657,386	Open	12.4	287
10/5/2025	10:00:00	7	2.449	2	657,407	Open	12.8	291
10/5/2025	10:15:00	6.9	2.797	2.6	657,449	Open	12.3	290
10/5/2025	10:30:00	6.9	2.820	3.9	657,472	Open	12.4	287
10/5/2025	10:45:00	6.9	0.696	4.1	657,502	Closed	12.6	287
10/5/2025	11:00:00	6.8	2.241	13.2	657,532	Open	12.5	288
10/5/2025	11:15:00	6.8	2.805	4.1	657,558	Open	12.6	289
10/5/2025	11:30:00	6.8	2.793	4.5	657,577	Open	12.7	287
10/5/2025	11:45:00	6.7	2.407	17	657,593	Open	12.8	287

Title	WoodFibre Weekly Water Discharge Report	Revision:	0
Data Date Range	September 29, 2025 to October 05, 2025	Prepared by: Approved by: Date:	SD BC2 October 15, 2025

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Valve Status	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
10/5/2025	12:00:00	6.7	2.850	7.1	657,617	Open	12.7	284
10/5/2025	12:15:00	6.7	2.593	5.4	657,656	Open	12.7	287
10/5/2025	12:30:00	6.7	0.530	8.8	657,680	Closed	12.8	287
10/5/2025	12:45:00	6.6	2.585	9.2	657,710	Open	12.9	291
10/5/2025	13:00:00	6.6	1.942	17	657,745	Open	13	294
10/5/2025	13:15:00	6.6	2.585	17.5	657,780	Open	13	294
10/5/2025	13:30:00	6.6	2.665	7.1	657,802	Open	13	297
10/5/2025	13:45:00	6.7	2.256	13.6	657,836	Open	13	298
10/5/2025	14:00:00	6.8	2.597	12.2	657,856	Open	13.3	302
10/5/2025	14:15:00	0	0.000	0	0	Closed	0	0
10/5/2025	14:30:00	6.9	2.509	9.2	657,894	Open	13	303
10/5/2025	14:45:00	6.9	2.865	2.3	657,935	Open	12.9	303
10/5/2025	15:00:00	7	2.275	3.8	657,960	Open	13	305
10/5/2025	15:15:00	7	2.706	2.4	657,999	Open	12.9	305
10/5/2025	15:30:00	7	2.718	3.4	658,023	Open	13	307
10/5/2025	15:45:00	7	0.322	5.1	658,051	Closed	13	307
10/5/2025	16:00:00	7	2.593	3.7	658,082	Open	13	308
10/5/2025	16:15:00	7	2.600	4.1	658,100	Open	13.1	307
10/5/2025	16:30:00	7	2.752	6	658,117	Open	13.1	307
10/5/2025	16:45:00	7	2.623	5.6	658,157	Open	12.9	307
10/5/2025	17:00:00	7	1.961	9.8	658,193	Open	12.8	309
10/5/2025	17:15:00	7	2.627	8.8	658,219	Open	12.8	309
10/5/2025	17:30:00	7	2.604	3.8	658,257	Open	12.8	309
10/5/2025	17:45:00	7	1.874	7	658,287	Open	12.7	309
10/5/2025	18:00:00	7.1	0.235	4.1	658,317	Closed	12.8	310

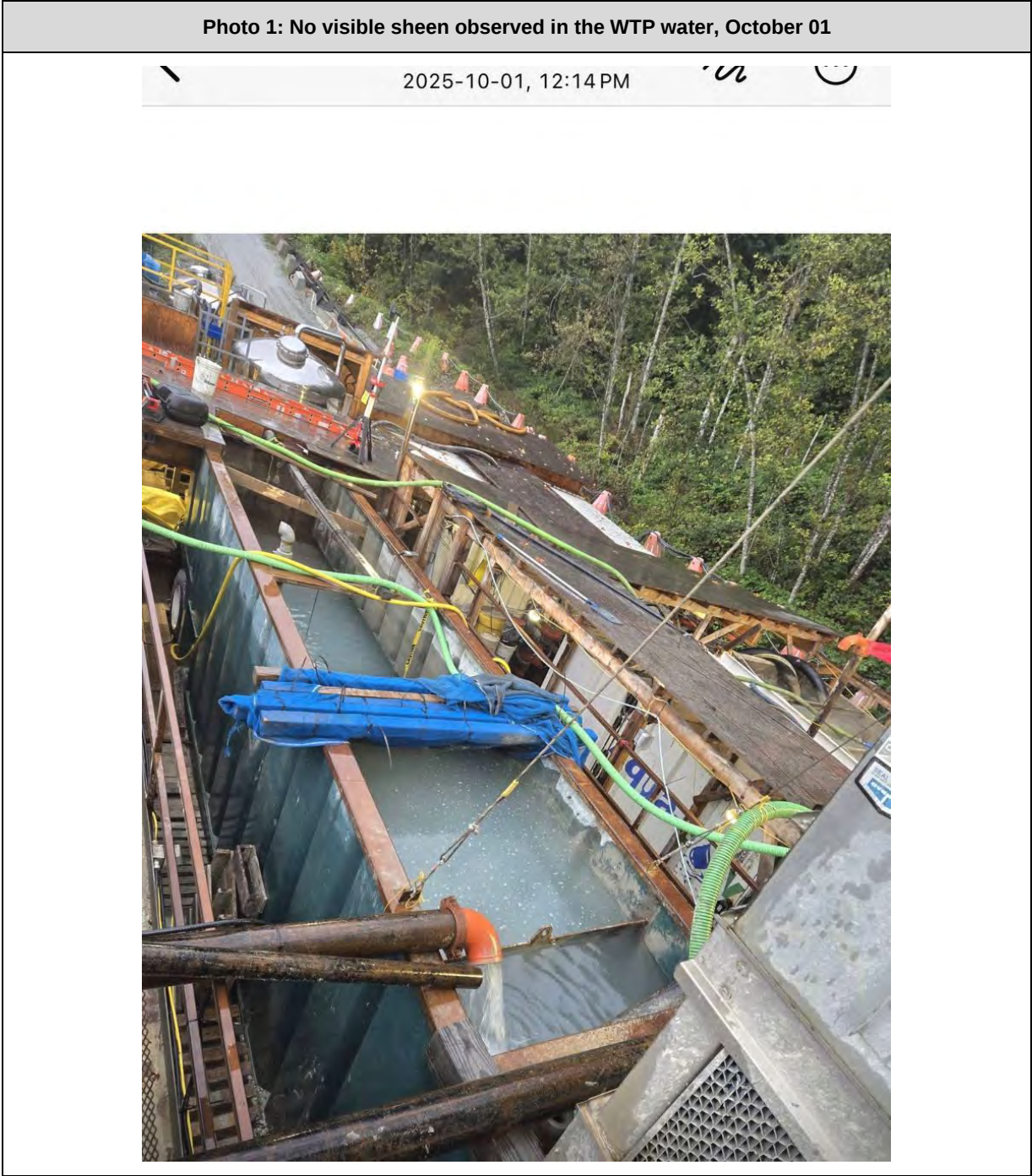
Title	WoodFibre Weekly Water Discharge Report	Revision:	0
Data Date Range	September 29, 2025 to October 05, 2025	Prepared by: Approved by: Date:	SD BC2 October 15, 2025

Date	Time	Discharge pH	Flow Rate (m3)	Discharge NTU	Flow Total (m3)	Discharge Valve Status	Discharge Temperature (°C)	Discharge Conductivity (uS/cm)
10/5/2025	18:15:00	7.1	2.608	5	658,338	Open	12.8	312
10/5/2025	18:30:00	7.1	2.627	6.8	658,355	Open	12.8	312
10/5/2025	18:45:00	7	2.615	3	658,394	Open	12.7	312
10/5/2025	19:00:00	7	1.968	6.4	658,430	Open	12.6	312
10/5/2025	19:15:00	7	2.612	3.3	658,465	Open	12.6	310
10/5/2025	19:30:00	7	2.597	3.8	658,504	Open	12.6	305
10/5/2025	19:45:00	7.1	0.700	5.7	658,535	Closed	12.5	298
10/5/2025	20:00:00	7	2.559	2.5	658,560	Open	12.4	298
10/5/2025	20:15:00	7	2.668	3.7	658,599	Open	12.4	300
10/5/2025	20:30:00	7	2.672	2.4	658,634	Open	12.5	307
10/5/2025	20:45:00	7	2.672	2.6	658,661	Open	12.6	310
10/5/2025	21:00:00	7	2.097	3.2	658,698	Open	12.7	314
10/5/2025	21:15:00	7.1	2.661	3.3	658,735	Open	12.8	314
10/5/2025	21:30:00	7.1	2.517	3.6	658,754	Closed	12.8	319
10/5/2025	21:45:00	7.1	2.668	3.4	658,790	Open	12.9	320
10/5/2025	22:00:00	7	2.256	3.7	658,810	Open	12.9	320
10/5/2025	22:15:00	7	2.672	3.9	658,831	Open	13	320
10/5/2025	22:30:00	7	2.676	3	658,867	Open	12.9	319
10/5/2025	22:45:00	7	2.755	4.3	658,900	Open	12.7	316
10/5/2025	23:00:00	7	1.745	4	658,936	Open	12.6	312
10/5/2025	23:15:00	7	2.653	3.7	658,972	Open	12.7	312
10/5/2025	23:30:00	7.1	0.602	5	659,007	Open	12.7	315
10/5/2025	23:45:00	7.1	2.672	3.6	659,029	Open	12.7	315

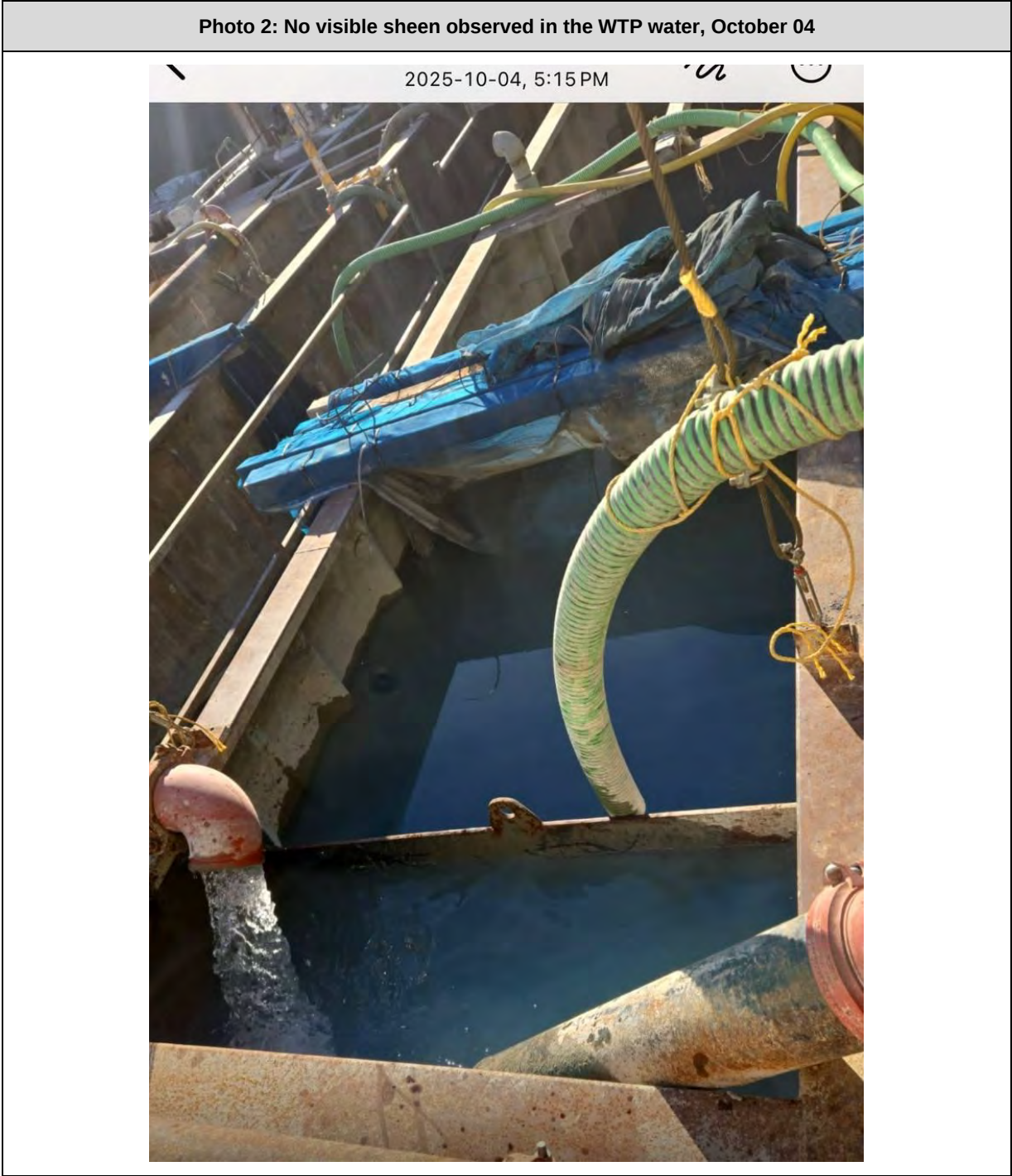
		Eagle Mountain- Woodfibre Gas Pipeline Project- Tunnel Scope	
Title	WoodFibre Weekly Water Discharge Report	Revision:	0
Data Date Range	September 29, 2025 to October 05, 2025	Prepared by: SD Approved by: BC2 Date: October 15, 2025	

Appendix B: Photos

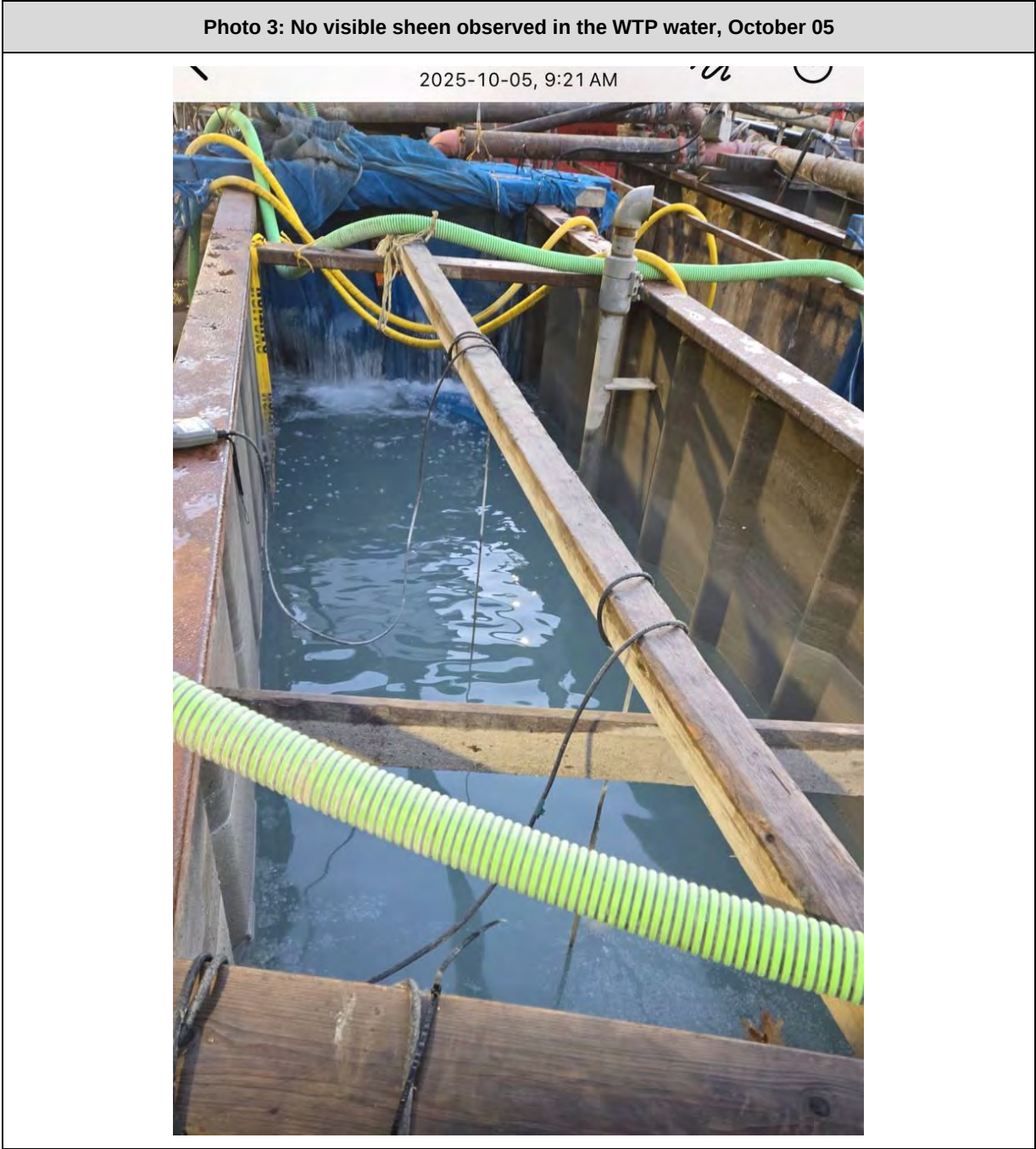
		Eagle Mountain- Woodfibre Gas Pipeline Project- Tunnel Scope	
Title	WoodFibre Weekly Water Discharge Report	Revision:	0
Data Date Range	September 29, 2025 to October 05, 2025	Prepared by: Approved by: Date:	SD BC2 October 15, 2025



		Eagle Mountain- Woodfibre Gas Pipeline Project- Tunnel Scope	
Title	WoodFibre Weekly Water Discharge Report	Revision:	0
Data Date Range	September 29, 2025 to October 05, 2025	Prepared by: SD Approved by: BC2 Date: October 15, 2025	



		Eagle Mountain- Woodfibre Gas Pipeline Project- Tunnel Scope	
Title	WoodFibre Weekly Water Discharge Report	Revision:	0
Data Date Range	September 29, 2025 to October 05, 2025	Prepared by: SD Approved by: BC2 Date: October 15, 2025	



Water Quality Field Data Sheet



Hatfield

Project: FORTIS11234

Location Information

Site ID: WLNG EOP

Date: October 1, 2025

Site Name: East Creek

Time: 9:08

Crew: JM

Weather: Overcast, rain

In Situ Parameters

pH: 6.82

DO: - (mg/L)

Temp.: 11.7 (°C)

Cond: 173.8 (us)

Turbidity: 2.4 NTU

Visible Sheen: NA

Water Surface Condition: Clear

Photo Record

Photo



Observations

DO sensor on water quality meter malfunctioned - no reading.

 Eagle Mountain - Woodfibre Gas Pipeline Project Waste Discharge Permit PE-110163 Report	Reporting Week	Sept 29 th to Oct 5 th , 2025
	Report #	80
	Appendix D	D-1

Appendix D: Woodfibre Site Receiving Environment Documentation

 Eagle Mountain - Woodfibre Gas Pipeline Project Waste Discharge Permit PE-110163 Report	Reporting Week	Sept 29 th to Oct 5 th , 2025
	Report #	80
	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 2025-10-01 09:00:00	WLNG DS 2025-10-01 09:40:00
In situ Parameters									
Field pH	pH Units	6.5 - 9			7 - 8.7			6.79	6.83
Field Temperature	°C	18	19					19	12.3
General Parameters									
pH	pH Units							6.91	7.16
Alkalinity (Total as CaCO ₃)	mg/L							22	34
Alkalinity (PP as CaCO ₃)	mg/L							<1	<1
Hardness (CaCO ₃)-Total	mg/L							119	56.9
Hardness (CaCO ₃)-Dissolved	mg/L							107	59.2
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	1.32	21.3		14	131		0.016	<0.015
Bicarbonate (HCO ₃)	mg/L							27	41
Carbonate (CO ₃)	mg/L							<1	<1
Hydroxide (OH)	mg/L							<1	<1
Nitrate (N)	mg/L	3	32.8		3.7			1.62	0.446
Nitrite (N)	mg/L	0.04	0.12					<0.005	<0.005
Nitrate plus Nitrite (N)	mg/L							1.62	0.446
Nitrogen (N)-Total	mg/L							2.37	1.08
Phosphorus (P)-Total (4500-P)	mg/L							0.24	0.052
Bromide (Br)	mg/L							<0.01	<0.01
Chloride (Cl)	mg/L	150	600					3.1	5.9
Fluoride (F)	mg/L		1.107			1.5		<0.05	0.12
Sulphate (SO ₄)-Dissolved	mg/L	218						88	34

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

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

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



Analyte	Unit	BC Approved Water Quality Guideline - Freshwater Aquatic Life - Long Term Average	BC Approved Water Quality Guideline - Freshwater Aquatic Life - Short Term Max	BC Working Water Quality Guideline - Freshwater Aquatic Life - Long Term Average	BC Approved Water Quality Guideline - Marine Aquatic Life Long Term Average	BC Approved Water Quality Guideline - Marine Aquatic Life Short Term Max	BC Working Water Quality Guideline - Marine Aquatic Life Long Term Average	WLNG US 2025-10-01 09:00:00	WLNG DS 2025-10-01 09:40:00
Total Metals									
Aluminum (Al)-Total	mg/L	0.141774						0.515	0.209
Antimony (Sb)-Total	mg/L	0.074	0.25					0.000268	0.000293
Arsenic (As)-Total	mg/L	0.005			0.0125			0.00084	0.000694
Barium (Ba)-Total	mg/L			1				0.018	0.00914
Beryllium (Be)-Total	mg/L			0.00013			0.1	<0.00001	<0.00001
Bismuth (Bi)-Total	mg/L							<0.00001	<0.00001
Boron (B)-Total	mg/L	1.2			1.2			0.032	0.013
Cadmium (Cd)-Total	mg/L						0.00012	0.000025	0.0000123
Calcium (Ca)-Total	mg/L							31.8	18.5
Cesium (Cs)-Total	mg/L							0.000053	<0.00005
Chromium (Cr)-Total	mg/L							0.00048	0.00013
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							0.000564	0.000136
Copper (Cu)-Total	mg/L				0.002	0.003		0.0079	0.00189
Iron (Fe)-Total	mg/L		1					0.462	0.112
Lead (Pb)-Total	mg/L				0.002	0.14		0.000276	0.000062
Lithium (Li)-Total	mg/L							0.0012	0.00171
Magnesium (Mg)-Total	mg/L							9.74	2.63
Manganese (Mn)-Total	mg/L	0.855	1.167				0.1	0.0186	0.0184
Mercury (Hg)-Total	mg/L	0.00002			0.00002			0.0000031	<0.0000019
Molybdenum (Mo)-Total	mg/L	7.6	46					0.00155	0.0123
Nickel (Ni)-Total	mg/L						0.0083	0.0034	0.00095
Phosphorus (P)-Total (ICPMS)	mg/L							0.23	0.0443
Potassium (K)-Total	mg/L							3.76	1.44
Rubidium (Rb)-Total	mg/L							0.00206	0.00203
Selenium (Se)-Total	mg/L	0.002			0.002			0.000138	<0.00004
Silicon (Si)-Total	mg/L							6.05	5.18
Silver (Ag)-Total	mg/L	0.00012			0.0005	0.0037	0.0005	0.000012	<0.00001
Sodium (Na)-Total	mg/L							9.7	5.14
Strontium (Sr)-Total	mg/L							0.0786	0.0427
Sulphur (S)-Total	mg/L							34.9	9.5
Tellurium (Te)-Total	mg/L							<0.00002	<0.00002
Thallium (Tl)-Total	mg/L			0.00003				0.0000094	0.0000078
Thorium (Th)-Total	mg/L							0.000052	<0.00005
Tin (Sn)-Total	mg/L							<0.0002	<0.0002
Titanium (Ti)-Total	mg/L							0.0195	0.0033
Uranium (U)-Total	mg/L		0.0165	0.0075				0.000349	0.000307
Vanadium (V)-Total	mg/L			0.06			0.005	0.00132	0.00032
Zinc (Zn)-Total	mg/L				0.01	0.055		0.0043	0.0031
Zirconium (Zr)-Total	mg/L							0.00014	<0.0001

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

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

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



Analyte	Unit	BC Approved Water Quality Guideline - Freshwater Aquatic Life - Long Term Average	BC Approved Water Quality Guideline - Freshwater Aquatic Life - Short Term Max	BC Working Water Quality Guideline - Freshwater Aquatic Life - Long Term Average	BC Approved Water Quality Guideline - Marine Aquatic Life Long Term Average	BC Approved Water Quality Guideline - Marine Aquatic Life Short Term Max	BC Working Water Quality Guideline - Marine Aquatic Life Long Term Average	WLNG US 2025-10-01 09:00:00	WLNG DS 2025-10-01 09:40:00
Dissolved Metals									
Aluminum (Al)-Dissolved	mg/L							0.0631	0.0643
Antimony (Sb)-Dissolved	mg/L							0.000241	0.000284
Arsenic (As)-Dissolved	mg/L							0.000728	0.000654
Barium (Ba)-Dissolved	mg/L							0.0122	0.0088
Beryllium (Be)-Dissolved	mg/L							<0.00001	<0.00001
Bismuth (Bi)-Dissolved	mg/L							<0.000005	<0.000005
Boron (B)-Dissolved	mg/L							0.031	0.015
Cadmium (Cd)-Dissolved	mg/L	0.00014	0.000329					0.0000141	0.0000097
Calcium (Ca)-Dissolved	mg/L							28	18.7
Cesium (Cs)-Dissolved	mg/L							<0.00005	<0.00005
Chromium (Cr)-Dissolved	mg/L							0.00026	<0.0001
Cobalt (Co)-Dissolved	mg/L	0.000404						0.000397	0.000144
Copper (Cu)-Dissolved	mg/L	0.0005	0.00322					0.00655	0.00213
Iron (Fe)-Dissolved	mg/L		0.35					0.0373	0.0209
Lead (Pb)-Dissolved	mg/L	0.00424						0.0000232	0.0000098
Lithium (Li)-Dissolved	mg/L							0.00076	0.00148
Manganese (Mn)-Dissolved	mg/L							0.00385	0.00921
Magnesium (Mg)-Dissolved	mg/L							9.07	3.06
Mercury (Hg)-Dissolved	mg/L							0.0000026	<0.0000019
Molybdenum (Mo)-Dissolved	mg/L							0.00178	0.0119
Nickel (Ni)-Dissolved	mg/L	0.0013	0.0231					0.00296	0.00103
Phosphorus (P)-Dissolved	mg/L							0.182	0.0367
Potassium (K)-Dissolved	mg/L							3.22	1.56
Rubidium (Rb)-Dissolved	mg/L							0.00145	0.00192
Selenium (Se)-Dissolved	mg/L							0.000116	0.000049
Silicon (Si)-Dissolved	mg/L							4.61	4.98
Silver (Ag)-Dissolved	mg/L							0.0000059	<0.000005
Sodium (Na)-Dissolved	mg/L							8.86	5.59
Strontium (Sr)-Dissolved	mg/L			1.25				0.0707	0.0461
Sulphur (S)-Dissolved	mg/L							31.3	10.8
Tellurium (Te)-Dissolved	mg/L							<0.00002	<0.00002
Thallium (Tl)-Dissolved	mg/L							0.0000059	0.0000093
Thorium (Th)-Dissolved	mg/L							0.000011	0.0000082
Tin (Sn)-Dissolved	mg/L							<0.0002	<0.0002
Titanium (Ti)-Dissolved	mg/L							0.00061	<0.0005
Uranium (U)-Dissolved	mg/L							0.000213	0.000199
Vanadium (V)-Dissolved	mg/L							0.00072	0.00029
Zinc (Zn)-Dissolved	mg/L	0.017132	0.036244					0.00192	0.00191
Zirconium (Zr)-Dissolved	mg/L							<0.0001	<0.0001

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

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

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

Analyte	Unit	BC Approved Water Quality Guideline - Freshwater Aquatic Life - Long Term Average	BC Approved Water Quality Guideline - Freshwater Aquatic Life - Short Term Max	BC Working Water Quality Guideline - Freshwater Aquatic Life - Long Term Average	BC Approved Water Quality Guideline - Marine Aquatic Life Long Term Average	BC Approved Water Quality Guideline - Marine Aquatic Life Short Term Max	BC Working Water Quality Guideline - Marine Aquatic Life Long Term Average	WLNG US 2025-10-01 09:00:00	WLNG DS 2025-10-01 09:40:00
Inorganics									
Organic Carbon (C)-Total	mg/L							13	4.7
Organic Carbon (C)-Dissolved	mg/L							13	5.1
Solids-Total Dissolved	mg/L							200	120
Solids-Total Suspended	mg/L	17	37					12	7.6

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

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

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

 Eagle Mountain - Woodfibre Gas Pipeline Project Waste Discharge Permit PE-110163 Report	Reporting Week	Sept 29 th to Oct 5 th , 2025
	Report #	80
	Appendix D	D-3

Woodfibre Site Receiving Environment Field Notes and Logs

Woodfibre LNG (East Creek)								
Station	Date/Time	Temperature (C)	Specific Conductivity (µS/cm)	ORP (V)	pH (pH units)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	Salinity (PSU)
EAS-DS	2025-09-29 00:00:00	12.345	175.685	0.054	7.745	10.205	31.572	0.083
EAS-DS	2025-09-29 01:00:00	13.107	181.991	0.068	7.722	10.018	405.682	0.086
EAS-DS	2025-09-29 02:00:00	13.487	292.504	0.066	7.664	9.944	106.821	0.140
EAS-DS	2025-09-29 03:00:00	13.499	285.871	0.067	7.684	9.938	32.861	0.137
EAS-DS	2025-09-29 04:00:00							
EAS-DS	2025-09-29 05:00:00	13.838	278.977	0.088	7.584	9.791	98.665	0.133
EAS-DS	2025-09-29 06:00:00	13.946	213.778	0.049	7.548	9.232	51.318	0.102
EAS-DS	2025-09-29 07:00:00	13.904	225.197	0.054	7.544	9.302	45.777	0.107
EAS-DS	2025-09-29 08:00:00	13.995	241.855	0.048	7.552	4.985	41.045	0.115
EAS-DS	2025-09-29 09:00:00	14.313	202.705	0.054	7.425	2.080	86.363	0.096
EAS-DS	2025-09-29 10:00:00	13.875	190.906	0.046	7.532	0.026	38.360	0.091
EAS-DS	2025-09-29 11:00:00	13.837	154.498	0.048	7.495	0.000	57.229	0.073
EAS-DS	2025-09-29 12:00:00	13.776	136.191	0.049	7.502	0.000	348.613	0.064
EAS-DS	2025-09-29 13:00:00	14.160	109.445	0.058	7.395	0.097	237.316	0.051
EAS-DS	2025-09-29 14:00:00	13.683	110.483	0.046	7.516	0.796	196.590	0.052
EAS-DS	2025-09-29 15:00:00	13.634	108.332	0.043	7.541	2.430	202.773	0.051
EAS-DS	2025-09-29 16:00:00	13.529	112.473	0.043	7.548	2.323	206.105	0.053
EAS-DS	2025-09-29 17:00:00	13.532	126.254	0.026	7.403	4.162	71.362	0.059
EAS-DS	2025-09-29 18:00:00	13.969	108.597	0.047	7.375	6.306	13.096	0.051
EAS-DS	2025-09-29 19:00:00	13.371	124.533	0.033	7.568	4.063	15.682	0.058
EAS-DS	2025-09-29 20:00:00	13.276	131.283	0.037	7.586	3.211	13.233	0.062
EAS-DS	2025-09-29 21:00:00	13.106	126.092	0.036	7.598	1.031	12.759	0.059
EAS-DS	2025-09-29 22:00:00	13.599	106.862	0.045	7.435	0.086	13.523	0.050
EAS-DS	2025-09-29 23:00:00	13.279	100.772	0.045	7.494	0.081	13.850	0.047
EAS-DS	2025-09-30 00:00:00	12.807	108.864	0.042	7.596	0.000	14.660	0.051
EAS-DS	2025-09-30 01:00:00	12.956	108.355	0.037	7.588	0.000	18.239	0.051
EAS-DS	2025-09-30 02:00:00	12.785	104.577	0.039	7.582	0.034	19.126	0.049
EAS-DS	2025-09-30 03:00:00	12.968	98.996	0.049	7.537	1.110	28.250	0.046
EAS-DS	2025-09-30 04:00:00	12.654	110.233	0.039	7.629	0.232	28.498	0.051
EAS-DS	2025-09-30 05:00:00	12.702	109.223	0.042	7.565	0.069	32.593	0.051
EAS-DS	2025-09-30 06:00:00	12.490	111.591	0.044	7.604	0.081	32.426	0.052
EAS-DS	2025-09-30 07:00:00	12.393	113.250	0.045	7.605	0.129	30.841	0.053
EAS-DS	2025-09-30 08:00:00	12.365	112.516	0.045	7.623	0.222	45.364	0.053
EAS-DS	2025-09-30 09:00:00	12.419	104.425	0.047	7.616	0.119	51.131	0.049
EAS-DS	2025-09-30 10:00:00	12.376	129.989	0.037	7.653	10.194	12.565	0.061
EAS-DS	2025-09-30 11:00:00	12.374	131.003	0.036	7.685	10.212	1.832	0.061
EAS-DS	2025-09-30 12:00:00	12.429	134.788	0.036	7.708	10.201	6.018	0.063
EAS-DS	2025-09-30 13:00:00	12.970	88.261	0.037	7.592	10.037	0.000	0.041
EAS-DS	2025-09-30 14:00:00	13.132	69.729	0.044	7.441	9.982	7.083	0.032
EAS-DS	2025-09-30 15:00:00	12.424	124.199	0.031	7.699	10.176	6.846	0.058
EAS-DS	2025-09-30 16:00:00	12.326	133.465	0.031	7.737	10.216	9.376	0.063
EAS-DS	2025-09-30 17:00:00	12.363	129.131	0.030	7.731	10.188	2.632	0.061
EAS-DS	2025-09-30 18:00:00	12.219	136.846	0.030	7.745	10.238	2.299	0.064
EAS-DS	2025-09-30 19:00:00	12.261	136.674	0.029	7.754	10.214	4.021	0.064
EAS-DS	2025-09-30 20:00:00	12.057	147.730	0.027	7.773	10.270	16.086	0.070
EAS-DS	2025-09-30 21:00:00	12.484	135.731	0.032	7.702	10.156	4.239	0.064
EAS-DS	2025-09-30 22:00:00	12.041	146.782	0.027	7.777	10.281	5.886	0.069
EAS-DS	2025-09-30 23:00:00	12.289	152.700	0.028	7.738	10.220	7.636	0.072
EAS-DS	2025-10-01 00:00:00	12.239	180.110	0.027	7.758	10.247	8.633	0.085
EAS-DS	2025-10-01 01:00:00	12.315	208.746	0.027	7.759	10.228	5.334	0.099
EAS-DS	2025-10-01 02:00:00	12.265	201.167	0.025	7.767	10.241	9.163	0.095

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	2025-10-01 03:00:00	12.870	187.691	0.036	7.542	10.086	1.606	0.089
EAS-DS	2025-10-01 04:00:00	12.214	159.531	0.028	7.737	10.252	5.462	0.075
EAS-DS	2025-10-01 05:00:00	12.388	154.504	0.033	7.712	10.211	6.867	0.073
EAS-DS	2025-10-01 06:00:00	12.180	151.022	0.030	7.735	10.275	8.101	0.071
EAS-DS	2025-10-01 07:00:00	12.212	145.897	0.033	7.712	10.275	8.104	0.069
EAS-DS	2025-10-01 08:00:00	12.125	145.855	0.032	7.693	10.281	4.693	0.069
EAS-DS	2025-10-01 09:00:00	12.172	155.602	0.031	7.679	10.278	2.673	0.073
EAS-DS	2025-10-01 10:00:00	12.689	174.887	0.037	7.599	10.139	6.579	0.083
EAS-DS	2025-10-01 11:00:00		175.597					0.083
EAS-DS	2025-10-01 12:00:00	12.404	163.896	0.032	7.723	10.222	17.406	0.077
EAS-DS	2025-10-01 13:00:00	12.317	156.999	0.028	7.720	10.263	7.791	0.074
EAS-DS	2025-10-01 14:00:00	12.377	150.795	0.034	7.710	10.242	6.678	0.071
EAS-DS	2025-10-01 15:00:00	13.161	141.242	0.049	7.373	10.020	3.507	0.066
EAS-DS	2025-10-01 16:00:00	12.598	158.079	0.031	7.680	10.175	9.618	0.075
EAS-DS	2025-10-01 17:00:00	13.129	145.899	0.047	7.424	10.019	4.736	0.069
EAS-DS	2025-10-01 18:00:00	12.877	141.538	0.046	7.547	10.080	3.617	0.067
EAS-DS	2025-10-01 19:00:00	12.401	153.420	0.030	7.693	10.222	22.417	0.072
EAS-DS	2025-10-01 20:00:00	12.504	135.529	0.042	7.591	10.181	11.798	0.064
EAS-DS	2025-10-01 21:00:00	12.330	145.379	0.037	7.680	10.248	11.581	0.068
EAS-DS	2025-10-01 22:00:00	12.495	131.152	0.038	7.641	10.194	11.774	0.062
EAS-DS	2025-10-01 23:00:00	12.531	152.170	0.033	7.731	10.198	11.534	0.072
EAS-DS	2025-10-02 00:00:00	12.854	151.544	0.003	7.560	10.064	7.691	0.071
EAS-DS	2025-10-02 01:00:00	12.602	172.312	0.027	7.753	10.196	21.333	0.081
EAS-DS	2025-10-02 02:00:00	12.639	196.558	0.034	7.686	10.194	25.141	0.093
EAS-DS	2025-10-02 03:00:00	12.795	243.263	0.037	7.693	10.171	32.378	0.116
EAS-DS	2025-10-02 04:00:00	13.073	250.702	0.044	7.626	10.096	23.018	0.119
EAS-DS	2025-10-02 05:00:00	13.120	221.129	0.046	7.548	10.138	51.993	0.105
EAS-DS	2025-10-02 06:00:00	13.453	183.111	0.048	7.422	9.956	747.663	0.087
EAS-DS	2025-10-02 07:00:00	13.127	109.220	0.065	7.430	9.872	608.981	0.051
EAS-DS	2025-10-02 08:00:00	13.209	71.361	0.067	7.326	9.973	582.741	0.033
EAS-DS	2025-10-02 09:00:00	13.061	67.603	0.069	7.380	9.859	561.788	0.031
EAS-DS	2025-10-02 10:00:00	13.054	59.525	0.068	7.389	10.035	545.449	0.027
EAS-DS	2025-10-02 11:00:00	13.039	65.568	0.066	7.399	9.749	531.659	0.030
EAS-DS	2025-10-02 12:00:00	13.126	81.692	0.067	7.368	9.485	529.152	0.038
EAS-DS	2025-10-02 13:00:00	13.276	75.956	0.063	7.350	9.328	527.243	0.035
EAS-DS	2025-10-02 14:00:00	13.290	74.751	0.063	7.317	9.268	526.302	0.034
EAS-DS	2025-10-02 15:00:00	13.308	61.278	0.062	7.336	9.411	525.641	0.028
EAS-DS	2025-10-02 16:00:00	13.259	50.849	0.066	7.322	9.503	526.092	0.023
EAS-DS	2025-10-02 17:00:00	13.221	49.430	0.066	7.304	9.590	525.290	0.022
EAS-DS	2025-10-02 18:00:00	13.188	46.821	0.067	7.284	9.891	527.452	0.021
EAS-DS	2025-10-02 19:00:00	13.082	49.104	0.067	7.274	9.959	527.795	0.022
EAS-DS	2025-10-02 20:00:00	12.972	43.087	0.067	7.274	9.964	527.831	0.019
EAS-DS	2025-10-02 21:00:00	12.722	50.614	0.065	7.294	10.040	527.160	0.023
EAS-DS	2025-10-02 22:00:00	12.687	50.375	0.060	7.304	9.976	527.505	0.023
EAS-DS	2025-10-02 23:00:00	12.694	51.155	0.056	7.328	9.524	526.117	0.023
EAS-DS	2025-10-03 00:00:00	12.644	49.581	0.062	7.344	9.687	526.479	0.022
EAS-DS	2025-10-03 01:00:00	12.503	53.382	0.057	7.326	9.529	526.224	0.024
EAS-DS	2025-10-03 02:00:00	12.604	47.342	0.052	7.323	9.618	525.365	0.021
EAS-DS	2025-10-03 03:00:00	12.501	45.939	0.049	7.324	9.549	525.226	0.020
EAS-DS	2025-10-03 04:00:00	12.356	54.218	0.047	7.322	9.572	524.978	0.024
EAS-DS	2025-10-03 05:00:00	12.254	54.313	0.047	7.302	9.223	526.141	0.024

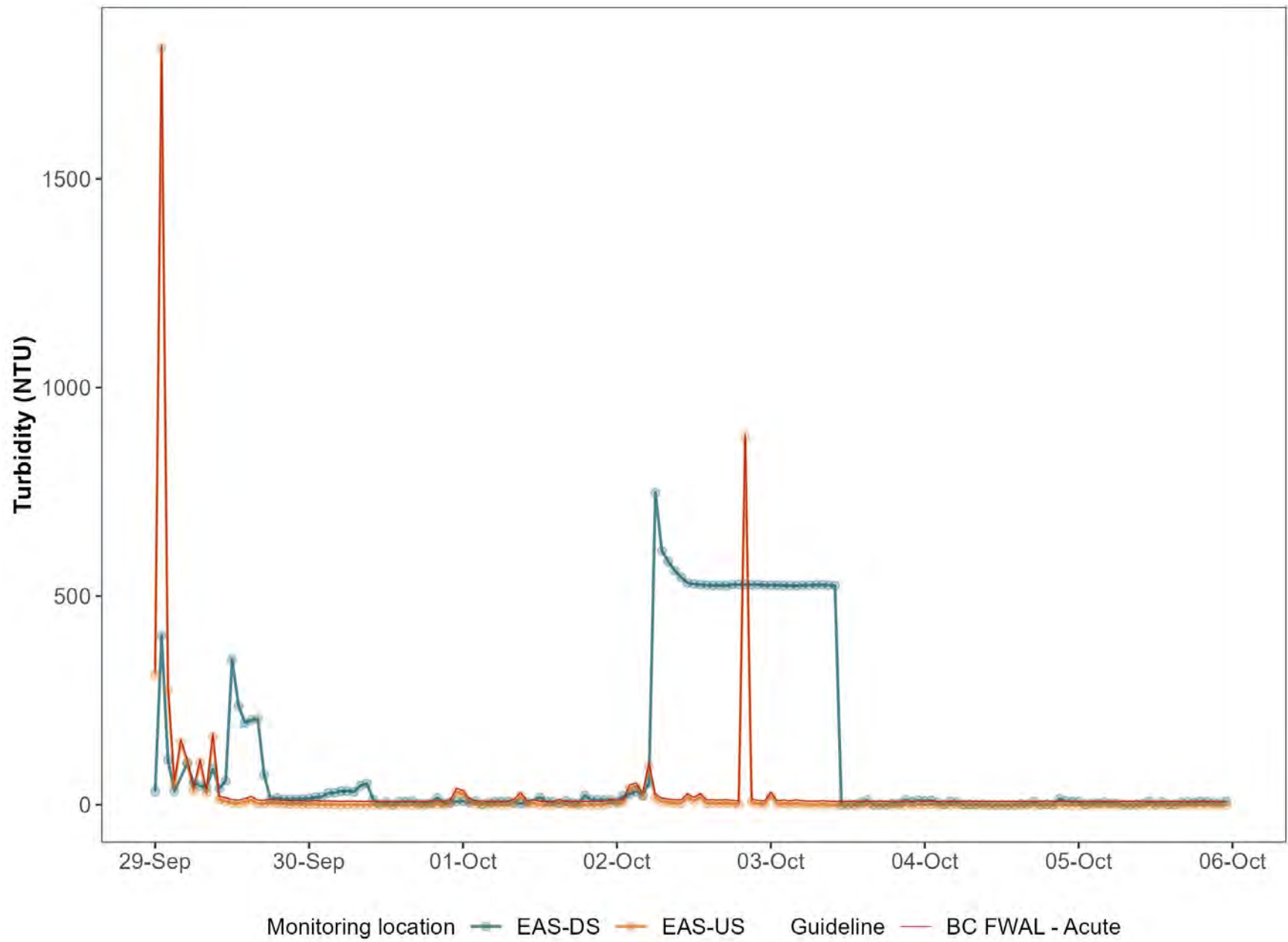
Woodfibre LNG (East Creek)								
Station	Date/Time	Temperature (C)	Specific Conductivity (µS/cm)	ORP (V)	pH (pH units)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	Salinity (PSU)
EAS-DS	2025-10-03 06:00:00	12.280	50.461	0.047	7.349	9.136	526.199	0.023
EAS-DS	2025-10-03 07:00:00	12.170	55.428	0.045	7.374	9.319	526.830	0.025
EAS-DS	2025-10-03 08:00:00	12.106	55.782	0.041	7.355	9.102	526.949	0.025
EAS-DS	2025-10-03 09:00:00	12.101	58.141	0.048	7.293	9.379	526.289	0.026
EAS-DS	2025-10-03 10:00:00	12.143	56.295	0.051	7.220	9.714	525.137	0.025
EAS-DS	2025-10-03 11:00:00	12.253	118.344	0.050	7.585	10.400	0.000	0.055
EAS-DS	2025-10-03 12:00:00	12.631	39.338	0.150	7.045	10.272	0.970	0.017
EAS-DS	2025-10-03 13:00:00	12.749	37.863	0.161	7.028	10.260	0.000	0.017
EAS-DS	2025-10-03 14:00:00	12.412	135.106	0.081	7.619	10.363	4.915	0.063
EAS-DS	2025-10-03 15:00:00	12.503	122.905	0.071	7.543	10.324	11.455	0.058
EAS-DS	2025-10-03 16:00:00	12.438	127.978	0.075	7.613	10.325	0.035	0.060
EAS-DS	2025-10-03 17:00:00	12.493	113.494	0.077	7.607	10.307	0.033	0.053
EAS-DS	2025-10-03 18:00:00	12.429	133.364	0.062	7.652	10.351	0.000	0.063
EAS-DS	2025-10-03 19:00:00	12.536	91.049	0.069	7.484	10.277	3.063	0.042
EAS-DS	2025-10-03 20:00:00	12.285	134.562	0.065	7.627	10.340	2.771	0.063
EAS-DS	2025-10-03 21:00:00	12.188	124.837	0.051	7.615	10.376	11.979	0.058
EAS-DS	2025-10-03 22:00:00	12.253	116.977	0.044	7.627	10.357	6.862	0.055
EAS-DS	2025-10-03 23:00:00	12.281	131.815	0.049	7.647	10.340	11.125	0.062
EAS-DS	2025-10-04 00:00:00	12.276	138.520	0.048	7.663	10.352	9.025	0.065
EAS-DS	2025-10-04 01:00:00	12.294	131.531	0.044	7.617	10.353	10.596	0.062
EAS-DS	2025-10-04 02:00:00	12.371	151.762	0.034	7.689	10.338	5.520	0.071
EAS-DS	2025-10-04 03:00:00	12.527	59.167	0.047	7.422	10.219	0.696	0.027
EAS-DS	2025-10-04 04:00:00	12.280	142.511	0.031	7.659	10.367	7.844	0.067
EAS-DS	2025-10-04 05:00:00	12.207	142.841	0.029	7.640	10.358	5.649	0.067
EAS-DS	2025-10-04 06:00:00	12.186	146.182	0.024	7.680	10.394	0.500	0.069
EAS-DS	2025-10-04 07:00:00	12.150	138.291	0.022	7.673	10.388	0.629	0.065
EAS-DS	2025-10-04 08:00:00	12.138	123.530	0.026	7.614	10.396	0.000	0.058
EAS-DS	2025-10-04 09:00:00	11.940	144.590	0.036	7.643	10.445	1.058	0.068
EAS-DS	2025-10-04 10:00:00	12.379	101.541	0.029	7.588	10.281	0.000	0.047
EAS-DS	2025-10-04 11:00:00	12.397	156.572	0.031	7.692	10.347	0.000	0.074
EAS-DS	2025-10-04 12:00:00	12.615	125.361	0.023	7.686	10.259	0.000	0.059
EAS-DS	2025-10-04 13:00:00	12.776	163.074	0.029	7.725	10.259	0.000	0.077
EAS-DS	2025-10-04 14:00:00	13.174	132.397	0.024	7.774	10.096	0.000	0.062
EAS-DS	2025-10-04 15:00:00	13.110	179.793	0.023	7.818	10.173	1.981	0.085
EAS-DS	2025-10-04 16:00:00	12.974	176.668	0.021	7.794	10.194	0.636	0.084
EAS-DS	2025-10-04 17:00:00	13.076	98.931	0.024	7.626	10.127	7.092	0.046
EAS-DS	2025-10-04 18:00:00	12.844	119.673	0.022	7.713	10.128	0.000	0.056
EAS-DS	2025-10-04 19:00:00	12.640	167.446	0.024	7.727	10.251	1.144	0.079
EAS-DS	2025-10-04 20:00:00	12.350	158.807	0.025	7.705	10.347	0.000	0.075
EAS-DS	2025-10-04 21:00:00	12.170	152.669	0.015	7.721	10.416	13.991	0.072
EAS-DS	2025-10-04 22:00:00	12.126	152.622	0.014	7.722	10.441	8.659	0.072
EAS-DS	2025-10-04 23:00:00	12.102	152.459	0.025	7.700	10.397	7.765	0.072
EAS-DS	2025-10-05 00:00:00	12.065	150.516	0.017	7.734	10.488	7.277	0.071
EAS-DS	2025-10-05 01:00:00	12.015	139.684	0.017	7.750	10.433	0.745	0.066
EAS-DS	2025-10-05 02:00:00	11.959	153.245	0.021	7.744	10.495	4.316	0.072
EAS-DS	2025-10-05 03:00:00	11.872	150.319	0.019	7.759	10.526	3.306	0.071
EAS-DS	2025-10-05 04:00:00	11.732	150.390	0.017	7.745	10.578	5.831	0.071
EAS-DS	2025-10-05 05:00:00	11.755	155.746	0.014	7.752	10.572	3.530	0.073
EAS-DS	2025-10-05 06:00:00	11.763	159.414	0.015	7.761	10.542	3.163	0.075
EAS-DS	2025-10-05 07:00:00	11.577	160.047	0.018	7.727	10.557	0.000	0.075
EAS-DS	2025-10-05 08:00:00	11.361	155.907	0.020	7.713	10.585	0.153	0.073

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	2025-10-05 09:00:00	11.322	108.460	0.013	7.688	10.608	0.781	0.051
EAS-DS	2025-10-05 10:00:00	11.487	139.506	0.016	7.754	10.565	2.104	0.065
EAS-DS	2025-10-05 11:00:00	11.648	153.521	0.020	7.733	10.627	8.332	0.072
EAS-DS	2025-10-05 12:00:00	12.108	95.247	0.025	7.662	10.398	0.578	0.044
EAS-DS	2025-10-05 13:00:00	12.170	156.480	0.014	7.764	10.458	6.208	0.074
EAS-DS	2025-10-05 14:00:00	12.300	151.245	0.010	7.791	10.348	1.020	0.071
EAS-DS	2025-10-05 15:00:00	12.447	128.514	0.010	7.764	10.250	0.840	0.060
EAS-DS	2025-10-05 16:00:00	12.452	171.844	0.008	7.784	10.348	5.353	0.081
EAS-DS	2025-10-05 17:00:00	12.352	172.186	0.006	7.790	10.367	6.354	0.081
EAS-DS	2025-10-05 18:00:00	12.249	177.320	0.003	7.809	10.386	5.187	0.084
EAS-DS	2025-10-05 19:00:00	12.158	178.601	0.016	7.793	10.418	8.168	0.084
EAS-DS	2025-10-05 20:00:00	11.873	162.617	0.009	7.768	10.486	6.940	0.077
EAS-DS	2025-10-05 21:00:00	11.876	185.374	0.006	7.778	10.470	4.669	0.088
EAS-DS	2025-10-05 22:00:00	12.040	185.956	0.009	7.761	10.415	4.909	0.088
EAS-DS	2025-10-05 23:00:00	11.954	185.939	0.004	7.793	10.431	7.918	0.088
EAS-US	2025-09-29 00:00:00	14.393	243.420	0.295	7.453	9.572	311.055	0.116
EAS-US	2025-09-29 01:00:00	14.376	351.561	0.266	7.849	9.703	1812.899	0.170
EAS-US	2025-09-29 02:00:00	14.578	556.973	0.280	7.566	9.681	276.975	0.271
EAS-US	2025-09-29 03:00:00	14.522	490.420	0.279	7.498	9.697	48.407	0.238
EAS-US	2025-09-29 04:00:00	14.519	442.828	0.292	7.402	9.687	149.554	0.214
EAS-US	2025-09-29 05:00:00	14.606	479.447	0.282	7.376	9.683	101.910	0.232
EAS-US	2025-09-29 06:00:00	14.471	378.589	0.288	7.275	9.709	33.868	0.182
EAS-US	2025-09-29 07:00:00	14.552	376.900	0.290	7.350	9.695	100.882	0.182
EAS-US	2025-09-29 08:00:00	14.545	359.513	0.310	7.304	9.698	28.158	0.173
EAS-US	2025-09-29 09:00:00	14.474	319.508	0.311	7.276	9.731	162.604	0.153
EAS-US	2025-09-29 10:00:00	14.433	288.055	0.319	7.244	9.694	12.128	0.138
EAS-US	2025-09-29 11:00:00	14.374	211.100	0.322	7.108	9.726	8.564	0.100
EAS-US	2025-09-29 12:00:00	14.364	169.229	0.332	7.057	9.716	4.679	0.080
EAS-US	2025-09-29 13:00:00	14.388	142.617	0.327	6.989	9.665	3.231	0.067
EAS-US	2025-09-29 14:00:00	14.331	125.792	0.332	6.988	9.588	6.762	0.059
EAS-US	2025-09-29 15:00:00	14.340	146.994	0.322	7.050	9.579	11.532	0.069
EAS-US	2025-09-29 16:00:00	14.319	136.680	0.323	7.043	7.553	3.124	0.064
EAS-US	2025-09-29 17:00:00	14.303	169.885	0.317	7.104	9.269	2.855	0.080
EAS-US	2025-09-29 18:00:00	14.280	166.188	0.317	7.126	8.663	5.563	0.079
EAS-US	2025-09-29 19:00:00	14.273	196.760	0.311	7.168	8.517	3.443	0.093
EAS-US	2025-09-29 20:00:00	14.178	210.294	0.311	7.214	9.608	2.696	0.100
EAS-US	2025-09-29 21:00:00	14.047	181.306	0.313	7.153	9.662	1.251	0.086
EAS-US	2025-09-29 22:00:00	13.966	154.218	0.318	7.073	9.555	1.384	0.073
EAS-US	2025-09-29 23:00:00	13.902	136.815	0.319	7.049	9.404	0.942	0.064
EAS-US	2025-09-30 00:00:00	13.859	125.189	0.321	7.014	9.653	0.617	0.059
EAS-US	2025-09-30 01:00:00	13.802	115.780	0.323	6.983	9.620	1.951	0.054
EAS-US	2025-09-30 02:00:00	13.796	105.432	0.325	6.951	9.529	0.550	0.049
EAS-US	2025-09-30 03:00:00		103.491	0.320	6.975	8.958	0.819	0.048
EAS-US	2025-09-30 04:00:00	13.721	100.845	0.323	6.963	9.203	0.519	0.047
EAS-US	2025-09-30 05:00:00	13.656	97.067	0.326	6.967	9.576	0.000	0.045
EAS-US	2025-09-30 06:00:00	13.594	95.849	0.326	6.958	9.364	0.324	0.045
EAS-US	2025-09-30 07:00:00	13.523	91.463	0.326	6.951	8.678	0.233	0.042
EAS-US	2025-09-30 08:00:00	13.462	92.324	0.326	6.983	8.467	0.156	0.043
EAS-US	2025-09-30 09:00:00	13.449	93.213	0.326	6.933	8.718	0.000	0.043
EAS-US	2025-09-30 10:00:00	13.488	94.352	0.324	6.932	8.794	0.000	0.044
EAS-US	2025-09-30 11:00:00	13.518	92.023	0.323	6.907	9.145	0.000	0.043

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	2025-09-30 12:00:00	13.577	98.254	0.323	6.966	8.820	0.000	0.046
EAS-US	2025-09-30 13:00:00	13.648	93.204	0.320	6.971	7.974	0.000	0.043
EAS-US	2025-09-30 14:00:00	13.673	93.609	0.323	6.934	7.522	0.000	0.044
EAS-US	2025-09-30 15:00:00	13.636	92.036	0.321	6.929	6.789	0.000	0.043
EAS-US	2025-09-30 16:00:00	13.631	90.012	0.325	6.956	5.116	0.000	0.042
EAS-US	2025-09-30 17:00:00	13.646	81.535	0.318	6.948	2.979	0.000	0.038
EAS-US	2025-09-30 18:00:00	13.612	80.094	0.306	6.959	3.342	0.000	0.037
EAS-US	2025-09-30 19:00:00	13.523	115.529	0.305	6.986	3.181	1.400	0.054
EAS-US	2025-09-30 20:00:00	13.452	157.470	0.297	7.089	3.171	1.111	0.074
EAS-US	2025-09-30 21:00:00	13.376	159.891	0.291	7.110	2.495	0.451	0.076
EAS-US	2025-09-30 22:00:00	13.319	155.066	0.309	7.133	1.653	4.125	0.073
EAS-US	2025-09-30 23:00:00	13.224	242.686	0.292	7.332	6.022	30.945	0.116
EAS-US	2025-10-01 00:00:00	13.214	350.880	0.295	7.480	7.550	25.905	0.168
EAS-US	2025-10-01 01:00:00	13.295	427.083	0.276	7.536	9.190	6.880	0.206
EAS-US	2025-10-01 02:00:00	13.294	353.910	0.296	7.449	7.718	1.394	0.170
EAS-US	2025-10-01 03:00:00	13.256	280.720	0.291	7.342	8.213	0.625	0.134
EAS-US	2025-10-01 04:00:00	13.206	227.528	0.304	7.255	7.669	0.424	0.108
EAS-US	2025-10-01 05:00:00	13.177	222.701	0.295	7.254	8.089	1.029	0.106
EAS-US	2025-10-01 06:00:00	13.147	205.214	0.307	7.209	7.378	0.654	0.097
EAS-US	2025-10-01 07:00:00	13.118	186.706	0.299	7.182	7.320	0.000	0.088
EAS-US	2025-10-01 08:00:00	13.093	220.564	0.310	7.223	8.602	5.889	0.105
EAS-US	2025-10-01 09:00:00	13.061	256.218	0.293	7.324	7.528	20.968	0.122
EAS-US	2025-10-01 10:00:00	13.157	290.719	0.301	7.366	8.653	1.609	0.139
EAS-US	2025-10-01 11:00:00	13.227	296.738	0.291	7.352	8.212	3.774	0.142
EAS-US	2025-10-01 12:00:00	13.296	234.898	0.305	7.291	8.485	0.264	0.112
EAS-US	2025-10-01 13:00:00	13.343	224.941	0.299	7.192	8.788	0.000	0.107
EAS-US	2025-10-01 14:00:00	13.366	202.995	0.313	7.173	8.574	0.000	0.096
EAS-US	2025-10-01 15:00:00	13.393	224.856	0.297	7.231	8.698	4.418	0.107
EAS-US	2025-10-01 16:00:00	13.431	221.386	0.303	7.251	8.458	0.384	0.105
EAS-US	2025-10-01 17:00:00	13.435	233.753	0.294	7.244	9.013	0.669	0.111
EAS-US	2025-10-01 18:00:00	13.416	198.583	0.310	7.182	8.777	0.010	0.094
EAS-US	2025-10-01 19:00:00	13.363	179.917	0.300	7.152	7.844	0.000	0.085
EAS-US	2025-10-01 20:00:00	13.325	163.125	0.315	7.111	7.308	0.000	0.077
EAS-US	2025-10-01 21:00:00	13.297	155.255	0.304	7.079	5.887	0.000	0.073
EAS-US	2025-10-01 22:00:00	13.277	155.627	0.316	7.106	4.648	0.000	0.073
EAS-US	2025-10-01 23:00:00	13.253	199.021	0.303	7.178	7.672	5.149	0.094
EAS-US	2025-10-02 00:00:00	13.244	230.233	0.309	7.302	7.441	4.039	0.110
EAS-US	2025-10-02 01:00:00	13.260	288.986	0.291	7.384	5.927	6.187	0.138
EAS-US	2025-10-02 02:00:00	13.323	357.018	0.299	7.487	8.781	39.931	0.171
EAS-US	2025-10-02 03:00:00	13.494	426.928	0.281	7.536	7.790	44.041	0.206
EAS-US	2025-10-02 04:00:00	13.602	390.746	0.295	7.502	8.935	20.970	0.188
EAS-US	2025-10-02 05:00:00	13.640	342.233	0.283	7.435	9.513	93.394	0.164
EAS-US	2025-10-02 06:00:00	13.689	293.518	0.295	7.378	9.021	17.439	0.140
EAS-US	2025-10-02 07:00:00	13.571	208.471	0.290	7.239	9.018	7.374	0.099
EAS-US	2025-10-02 08:00:00	13.506	178.708	0.305	7.189	9.189	5.763	0.085
EAS-US	2025-10-02 09:00:00	13.475	166.838	0.298	7.139	9.924	4.215	0.079
EAS-US	2025-10-02 10:00:00	13.455	142.395	0.312	7.067	9.321	4.060	0.067
EAS-US	2025-10-02 11:00:00	13.496	180.278	0.297	7.226	9.371	17.791	0.085
EAS-US	2025-10-02 12:00:00		216.349	0.300	7.333	8.896	9.627	0.103
EAS-US	2025-10-02 13:00:00	13.628	206.851	0.291	7.339	9.695	18.376	0.098
EAS-US	2025-10-02 14:00:00	13.716	187.779	0.305	7.266	9.677	3.737	0.089

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	2025-10-02 15:00:00	13.663	141.508	0.299	7.180	9.450	4.273	0.067
EAS-US	2025-10-02 16:00:00	13.622	112.338	0.307	6.991	9.704	3.284	0.053
EAS-US	2025-10-02 17:00:00	13.611	99.588	0.308	6.907	9.505	4.420	0.046
EAS-US	2025-10-02 18:00:00	13.565	91.930	0.310	6.916	9.468	2.472	0.043
EAS-US	2025-10-02 19:00:00	13.520	90.095	0.305	6.970	9.177	1.068	0.042
EAS-US	2025-10-02 20:00:00	13.420	88.489	0.309	6.916	8.856	881.069	0.041
EAS-US	2025-10-02 21:00:00	13.298	87.019	0.305	6.916	7.707	6.566	0.040
EAS-US	2025-10-02 22:00:00	13.203	85.924	0.305	6.964	7.797	2.318	0.040
EAS-US	2025-10-02 23:00:00	13.110	85.761	0.303	6.949	7.053	1.065	0.040
EAS-US	2025-10-03 00:00:00	13.010	86.102	0.304	6.944	6.737	21.513	0.040
EAS-US	2025-10-03 01:00:00	12.916	89.096	0.301	6.939	5.571	1.699	0.041
EAS-US	2025-10-03 02:00:00	12.857	89.915	0.304	6.950	3.878	3.302	0.042
EAS-US	2025-10-03 03:00:00	12.773	88.860	0.301	6.969	1.552	1.141	0.041
EAS-US	2025-10-03 04:00:00		83.439	0.303	6.981	2.562	3.791	0.039
EAS-US	2025-10-03 05:00:00	12.601	87.976	0.302	6.935	3.180	1.052	0.041
EAS-US	2025-10-03 06:00:00	12.511	82.812	0.306	6.921	3.598	0.672	0.038
EAS-US	2025-10-03 07:00:00	12.413	85.693	0.302	6.929	3.467	0.307	0.040
EAS-US	2025-10-03 08:00:00	12.344	91.882	0.305	6.893	6.337	1.518	0.043
EAS-US	2025-10-03 09:00:00	12.343	92.549	0.299	6.951	6.606	0.426	0.043
EAS-US	2025-10-03 10:00:00	12.409	86.775	0.307	6.889	7.887	0.000	0.040
EAS-US	2025-10-03 11:00:00		88.737	0.302	6.923	4.024	0.888	0.041
EAS-US	2025-10-03 12:00:00	12.623	84.793	0.304	6.916	3.650	0.000	0.039
EAS-US	2025-10-03 13:00:00	12.711	86.119	0.303	6.885	4.218	0.507	0.040
EAS-US	2025-10-03 14:00:00	12.794	84.002	0.303	6.925	3.730	0.000	0.039
EAS-US	2025-10-03 15:00:00	12.861	92.425	0.301	6.894	3.461	0.649	0.043
EAS-US	2025-10-03 16:00:00	12.879	80.293	0.303	6.907	5.806	0.000	0.037
EAS-US	2025-10-03 17:00:00	12.885	82.858	0.302	6.888	3.415	0.582	0.038
EAS-US	2025-10-03 18:00:00	12.889	82.337	0.305	6.872	4.698	0.000	0.038
EAS-US	2025-10-03 19:00:00	12.870	82.824	0.299	6.892	3.086	0.378	0.038
EAS-US	2025-10-03 20:00:00	12.841	81.997	0.300	6.904	4.210	0.000	0.038
EAS-US	2025-10-03 21:00:00	12.808	84.255	0.297	6.926	1.625	0.497	0.039
EAS-US	2025-10-03 22:00:00		82.662	0.301	6.873	0.921	0.000	0.038
EAS-US	2025-10-03 23:00:00	12.744	83.770	0.308	6.742	1.584	0.906	0.039
EAS-US	2025-10-04 00:00:00	12.714	80.814	0.301	6.881	1.015	0.000	0.037
EAS-US	2025-10-04 01:00:00	12.699	84.367	0.300	6.850	1.297	1.031	0.039
EAS-US	2025-10-04 02:00:00	12.691	82.760	0.298	6.866	0.014	0.000	0.038
EAS-US	2025-10-04 03:00:00	12.680	83.939	0.299	6.860	0.201	0.000	0.039
EAS-US	2025-10-04 04:00:00	12.650	80.399	0.299	6.879	1.248	0.000	0.037
EAS-US	2025-10-04 05:00:00	12.587	81.962	0.301	6.819	1.717	0.278	0.038
EAS-US	2025-10-04 06:00:00	12.501	80.482	0.301	6.839	0.701	0.000	0.037
EAS-US	2025-10-04 07:00:00	12.436	81.796	0.297	6.902	1.686	0.492	0.038
EAS-US	2025-10-04 08:00:00	12.414	82.397	0.299	6.865	0.085	0.000	0.038
EAS-US	2025-10-04 09:00:00	12.426	85.782	0.297	6.843	0.028	0.000	0.040
EAS-US	2025-10-04 10:00:00	12.549	85.562	0.296	6.887	0.000	0.000	0.040
EAS-US	2025-10-04 11:00:00	12.608	88.586	0.294	6.888	0.000	0.000	0.041
EAS-US	2025-10-04 12:00:00	12.736	86.860	0.297	6.855	0.000	0.000	0.040
EAS-US	2025-10-04 13:00:00	12.949	88.983	0.292	6.832	0.000	0.000	0.041
EAS-US	2025-10-04 14:00:00	13.098	86.649	0.297	6.814	0.000	0.000	0.040
EAS-US	2025-10-04 15:00:00	13.165	86.412	0.288	6.847	0.000	0.111	0.040
EAS-US	2025-10-04 16:00:00	13.211	86.242	0.297	6.825	0.000	0.000	0.040
EAS-US	2025-10-04 17:00:00	13.265	89.164	0.285	6.792	0.000	0.038	0.041

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	2025-10-04 18:00:00	13.226	85.440	0.298	6.787	0.000	0.000	0.040
EAS-US	2025-10-04 19:00:00	13.116	83.807	0.282	6.790	0.000	0.763	0.039
EAS-US	2025-10-04 20:00:00	13.023	83.529	0.298	6.749	0.000	0.000	0.039
EAS-US	2025-10-04 21:00:00		83.074	0.289	6.774	0.000	0.177	0.038
EAS-US	2025-10-04 22:00:00	12.795	83.748	0.298	6.754	0.000	0.000	0.039
EAS-US	2025-10-04 23:00:00	12.696	87.048	0.286	6.761	0.000	0.000	0.040
EAS-US	2025-10-05 00:00:00	12.577	82.853	0.298	6.757	0.000	0.000	0.038
EAS-US	2025-10-05 01:00:00	12.426	81.415	0.284	6.743	0.000	0.124	0.038
EAS-US	2025-10-05 02:00:00	12.304	77.353	0.300	6.703	0.000	0.000	0.036
EAS-US	2025-10-05 03:00:00	12.161	76.819	0.292	6.710	0.000	0.460	0.035
EAS-US	2025-10-05 04:00:00	12.023	75.563	0.298	6.712	0.000	0.000	0.035
EAS-US	2025-10-05 05:00:00	11.910	78.775	0.286	6.662	0.000	0.365	0.036
EAS-US	2025-10-05 06:00:00	11.811	80.524	0.291	6.654	0.000	0.000	0.037
EAS-US	2025-10-05 07:00:00	11.692	86.554	0.281	6.609	0.000	0.283	0.040
EAS-US	2025-10-05 08:00:00	11.564	86.717	0.278	6.565	0.000	0.000	0.040
EAS-US	2025-10-05 09:00:00	11.487	89.837	0.274	6.529	0.000	0.744	0.042
EAS-US	2025-10-05 10:00:00	11.610	91.111	0.281	6.501	0.000	0.000	0.042
EAS-US	2025-10-05 11:00:00	11.781	89.873	0.280	6.500	0.000	0.000	0.042
EAS-US	2025-10-05 12:00:00	11.947	85.902	0.281	6.471	0.174	0.000	0.040
EAS-US	2025-10-05 13:00:00	12.125	87.317	0.283	6.495	0.026	0.000	0.040
EAS-US	2025-10-05 14:00:00	12.359	86.672	0.285	6.475	0.227	0.000	0.040
EAS-US	2025-10-05 15:00:00	12.478	91.609	0.280	6.465	0.000	0.000	0.043
EAS-US	2025-10-05 16:00:00	12.518	89.919	0.274	6.504	0.000	0.000	0.042
EAS-US	2025-10-05 17:00:00	12.588	90.677	0.271	6.483	0.330	0.000	0.042
EAS-US	2025-10-05 18:00:00	12.568	100.571	0.275	6.500	0.172	0.000	0.047
EAS-US	2025-10-05 19:00:00	12.488	103.487	0.271	6.485	0.000	0.000	0.048
EAS-US	2025-10-05 20:00:00		107.079	0.273	6.502	0.189	0.000	0.050
EAS-US	2025-10-05 21:00:00	12.297	100.878	0.269	6.483	0.000	0.000	0.047
EAS-US	2025-10-05 22:00:00	12.210	92.671	0.276	6.502	0.595	0.000	0.043
EAS-US	2025-10-05 23:00:00	12.101	93.687	0.272	6.484	0.010	0.000	0.043



Water Quality Field Data Sheet



Project: FORTIS11234

Location Information

Site ID:	<u>WLNG (EAS) DS</u>	Date:	<u>October 1, 2025</u>
Site Name:	<u>East Creek</u>	Time:	<u>9:40</u>
Site UTM:	Zone: <u> </u> E: <u> </u>	Crew:	<u>JM</u>
(NAD83)	N: <u> </u>	Weather:	<u>Overcast, rain</u>

In Situ Parameters

pH:	<u>6.83</u>	DO:	<u>-</u> (mg/L)
Temp.:	<u>12.3</u> (°C)	Cond:	<u>174.8</u> (us)
Turbidity:	<u>5.67</u> NTU		
Visible Sheen:	<u>N</u>		
Water Surface Condition:	<u>Clear</u>		

Photo Record

Photo



Observations

DO sensor on water quality meter malfunctioned - no reading.

Water Quality Field Data Sheet



Project: FORTIS11234

Location Information

Site ID:	<u>WLNG (EAS) US</u>	Date:	<u>October 1, 2025</u>
Site Name:	<u>East Creek</u>	Time:	<u>8:39</u>
Site UTM:	Zone: <u>E:</u>	Crew:	<u>JM</u>
(NAD83)	N: <u></u>	Weather:	<u>Overcast, rain</u>

In Situ Parameters

pH:	<u>6.79</u>	DO:	<u>-</u> (mg/L)
Temp.:	<u>19</u> (°C)	Cond:	<u>98.3</u> (us)
Turbidity:	<u>8.27</u> NTU		
Visible Sheen:	<u>N</u>		
Water Surface Condition:	<u>Clear</u>		

Photo Record

Photo



Observations

DO sensor on water quality meter malfunctioned - no reading.

 Eagle Mountain - Woodfibre Gas Pipeline Project Waste Discharge Permit PE-110163 Report	Reporting Week	Sept 29 th to Oct 5 th , 2025
	Report #	80
	Appendix E	E-1

Appendix E: Lab Documentation



Your P.O. #: 4800010213
 Your Project #: FORTIS11234/PE-110163
 Site Location: WOODFIBRE PIPELINE PROJECT
 Your C.O.C. #: 761766-01-01

Attention: Saeesh Mangwani

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

Report Date: 2025/10/09
 Report #: R3719815
 Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C582800

Received: 2025/10/01, 17:00

Sample Matrix: Water
 # Samples Received: 7

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
Alkalinity @25C (pp, total), CO ₃ ,HCO ₃ ,OH	5	N/A	2025/10/02	BBY6SOP-00026	SM 24 2320 B m
Alkalinity @25C (pp, total), CO ₃ ,HCO ₃ ,OH	2	N/A	2025/10/03	BBY6SOP-00026	SM 24 2320 B m
Chloride/Sulphate by Auto Colourimetry	7	N/A	2025/10/03	BBY6SOP-00011 / BBY6SOP-00017	SM24-4500-Cl/SO ₄ -E m
Chromium III (Calc'd)	2	N/A	2025/10/06		
Chromium III (Calc'd)	5	N/A	2025/10/07		
Total Hexavalent Chromium	7	N/A	2025/10/02	BBY6SOP-00054	SM 24 3500-Cr B m
Carbon (DOC) -Lab Filtered (2)	7	N/A	2025/10/06	BBY6SOP-00053	SM 24 5310 B m
Fluoride	7	N/A	2025/10/06	BBY6SOP-00037	SM 24 4500-F C m
Glycols in Water by GC/FID (1)	1	N/A	2025/10/08	CAL SOP-00093	BCMOE Glycols 09/17
Sulphide (as H ₂ S) (1)	7	N/A	2025/10/08		Auto Calc
Un-ionized Hydrogen Sulphide as S Calc	5	N/A	2025/10/08	BBY WI-00033	Auto Calc
Hardness Total (calculated as CaCO ₃) (3)	2	N/A	2025/10/06	BBY WI-00033	Auto Calc
Hardness Total (calculated as CaCO ₃) (3)	5	N/A	2025/10/07	BBY WI-00033	Auto Calc
Hardness (calculated as CaCO ₃)	1	N/A	2025/10/07	BBY WI-00033	Auto Calc
Hardness (calculated as CaCO ₃)	6	N/A	2025/10/09	BBY WI-00033	Auto Calc
Mercury (Dissolved) by CV-Lab Filtered	7	2025/10/07	2025/10/08	BBY7SOP-00032	BCMOE LM 2023 C1.1.3
Mercury (Total) by CV	7	2025/10/07	2025/10/07	BBY7SOP-00032	BCMOE LM 2023 C1.1.3
Bromide as Bromine (Br) by ICPMS	7	N/A	2025/10/06	BBY7SOP-00002	EPA 6020B R2 m
EPH in Water when PAH required	1	2025/10/08	2025/10/08	BBY8SOP-00029	BCMOE BCLM Sep2017 m
Na, K, Ca, Mg, S by CRC ICPMS (diss.)	1	N/A	2025/10/07	BBY WI-00033	Auto Calc
Na, K, Ca, Mg, S by CRC ICPMS (diss.)	6	N/A	2025/10/09	BBY WI-00033	Auto Calc
Elements by ICPMS Low Level (lab filter) (4)	1	N/A	2025/10/07	BBY7SOP-00002	EPA 6020b R2 m
Elements by ICPMS Low Level (lab filter) (4)	6	N/A	2025/10/08	BBY7SOP-00002	EPA 6020b R2 m
Elements by ICPMS Digested LL (total)	5	2025/10/06	2025/10/07	BBY7SOP-00003 / BBY7SOP-00002	EPA 6020b R2 m
Na, K, Ca, Mg, S by CRC ICPMS (total)	2	N/A	2025/10/06	BBY WI-00033	Auto Calc
Na, K, Ca, Mg, S by CRC ICPMS (total)	5	N/A	2025/10/07	BBY WI-00033	Auto Calc
Elements by ICPMS Low Level (total)	2	N/A	2025/10/04	BBY7SOP-00002	EPA 6020b R2 m
Nitrogen (Total)	7	N/A	2025/10/06	BBY6SOP-00016	SM 24 4500-N C m
Ammonia-N (Total)	7	N/A	2025/10/07	AB SOP-00007	SM 24 4500 NH ₃ A G m



Your P.O. #: 4800010213
 Your Project #: FORTIS11234/PE-110163
 Site Location: WOODFIBRE PIPELINE PROJECT
 Your C.O.C. #: 761766-01-01

Attention: Saeesh Mangwani

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

Report Date: 2025/10/09
 Report #: R3719815
 Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C582800

Received: 2025/10/01, 17:00

Sample Matrix: Water
 # Samples Received: 7

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
Nitrate + Nitrite (N)	7	N/A	2025/10/02	BBY6SOP-00010	SM 24 4500-NO3- H m
Nitrite (N) Regular Level Water	7	N/A	2025/10/02	BBY6SOP-00010	SM 24 4500-NO2- m
Nitrogen - Nitrate (as N)	7	N/A	2025/10/03	BBY WI-00033	Auto Calc
PAH in Water by GC/MS (SIM)	1	2025/10/08	2025/10/08	BBY8SOP-00021	BCMOE BCLM Jul2017m
Total LMW, HMW, Total PAH Calc (5)	1	N/A	2025/10/09	BBY WI-00033	Auto Calc
pH @25°C (6)	5	N/A	2025/10/02	BBY6SOP-00026	SM 24 4500-H+ B m
pH @25°C (6)	2	N/A	2025/10/03	BBY6SOP-00026	SM 24 4500-H+ B m
Phenols (4-AAP) (1)	1	N/A	2025/10/08	AB SOP-00088	EPA 9066 R0 m
Total Sulphide (1)	7	2025/10/08	2025/10/08	AB SOP-00080	SM 24 4500 S2-A D Fm
Total Dissolved Solids (Filt. Residue)	3	2025/10/06	2025/10/07	BBY6SOP-00033	SM 24 2540 C m
Total Dissolved Solids (Filt. Residue)	4	2025/10/07	2025/10/08	BBY6SOP-00033	SM 24 2540 C m
EPH less PAH in Water by GC/FID (7)	1	N/A	2025/10/09	BBY WI-00033	Auto Calc
Carbon (Total Organic) (8)	7	N/A	2025/10/02	BBY6SOP-00053	SM 24 5310 B m
Total Phosphorus Low Level Total	7	2025/10/06	2025/10/07	BBY6SOP-00013	SM 24 4500-P E m
Total Suspended Solids (NFR)	7	2025/10/08	2025/10/09	BBY6SOP-00034	SM 24 2540 D m
Field pH	5	N/A	2025/10/02	Field Test	Field Test
Field Temperature	5	N/A	2025/10/02	Field Test	Field Test
VOCs, VH, F1, LH in Water by HS GC/MS	1	N/A	2025/10/08	BBY8SOP-00009 / BBY8SOP-00011 / BBY8SOP-00012	BCMOE BCLM Jul2017 m
Volatile HC-BTEX (9)	1	N/A	2025/10/09	BBY WI-00033	Auto Calc

Remarks:

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

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



Your P.O. #: 4800010213
Your Project #: FORTIS11234/PE-110163
Site Location: WOODFIBRE PIPELINE PROJECT
Your C.O.C. #: 761766-01-01

Attention: Saeesh Mangwani

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

Report Date: 2025/10/09

Report #: R3719815

Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C582800

Received: 2025/10/01, 17:00

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)



Attention: Saeesh Mangwani

HATFIELD CONSULTANTS
N. VANCOUVER
200-850 Harbourside Dr
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Canada V7P 0A3

Your P.O. #: 4800010213
Your Project #: FORTIS11234/PE-110163
Site Location: WOODFIBRE PIPELINE PROJECT
Your C.O.C. #: 761766-01-01

Report Date: 2025/10/09
Report #: R3719815
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C582800

Received: 2025/10/01, 17:00

Encryption Key

Please direct all questions regarding this Certificate of Analysis to:

Levi Manchak, Project Manager SR
Email: Levi.MANCHAK@bureauveritas.com
Phone# (780)862-5634

=====

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

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



Bureau Veritas Job #: C582800
Report Date: 2025/10/09

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		DUB235			DUB235			DUB236		
Sampling Date		2025/10/01			2025/10/01			2025/10/01		
COC Number		761766-01-01			761766-01-01			761766-01-01		
	UNITS	WLNG-EOP	RDL	QC Batch	WLNG-EOP Lab-Dup	RDL	QC Batch	WLNG-DS	RDL	QC Batch
ANIONS										
Nitrite (N)	mg/L	ND	0.0050	C109796				ND	0.0050	C109510
Calculated Parameters										
Total Chromium III	mg/L	ND	0.00099	C108809				ND	0.00099	C108809
Dissolved Hardness (CaCO ₃)	mg/L	61.0	0.50	C108268				59.2	0.50	C108268
Total Hardness (CaCO ₃)	mg/L	57.1	0.50	C108338				56.9	0.50	C108338
Nitrate (N)	mg/L	ND	0.020	C108663				0.446	0.020	C108663
Sulphide (as H ₂ S)	mg/L	ND	0.0020	C108938				ND	0.0020	C108938
Field Parameters										
Field pH	pH	6.82	N/A	ONSITE				6.83	N/A	ONSITE
Field Temperature	°C	11.7	N/A	ONSITE				12.3	N/A	ONSITE
Misc. Inorganics										
pH	pH	7.50	N/A	C110362				7.16	N/A	C109546
Total Organic Carbon (C)	mg/L	0.85	0.50	C109006	0.89	0.50	C109006	4.7	0.50	C109006
Total Dissolved Solids	mg/L	84	10	C113264				120	10	C113264
Total Suspended Solids	mg/L	6.4	1.0	C116049				7.6	1.0	C116049
Lab Filtered Inorganics										
Dissolved Organic Carbon (C)	mg/L	0.70	0.50	C112479				5.1	0.50	C112479
Anions										
Alkalinity (PP as CaCO ₃)	mg/L	ND	1.0	C109763				ND	1.0	C109541
Alkalinity (Total as CaCO ₃)	mg/L	53	1.0	C109763				34	1.0	C109541
Bicarbonate (HCO ₃)	mg/L	65	1.0	C109763				41	1.0	C109541
Carbonate (CO ₃)	mg/L	ND	1.0	C109763				ND	1.0	C109541
Fluoride (F)	mg/L	0.23	0.050	C113262				0.12	0.050	C113262
Hydroxide (OH)	mg/L	ND	1.0	C109763				ND	1.0	C109541
Total Sulphide	mg/L	ND	0.0018	C115445				ND	0.0018	C115445
Chloride (Cl)	mg/L	11	1.0	C110816				5.9	1.0	C110593
Sulphate (SO ₄)	mg/L	12	1.0	C110816				34	1.0	C110593
Metals										
Total Hex. Chromium (Cr 6+)	mg/L	ND	0.00099	C109089				ND	0.00099	C109089
RDL = Reportable Detection Limit Lab-Dup = Laboratory Initiated Duplicate ND = Not Detected at a concentration equal or greater than the indicated Detection Limit. N/A = Not Applicable										



Bureau Veritas Job #: C582800
Report Date: 2025/10/09

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		DUB235			DUB235			DUB236		
Sampling Date		2025/10/01			2025/10/01			2025/10/01		
COC Number		761766-01-01			761766-01-01			761766-01-01		
	UNITS	WLNG-EOP	RDL	QC Batch	WLNG-EOP Lab-Dup	RDL	QC Batch	WLNG-DS	RDL	QC Batch
Nutrients										
Total Ammonia (N)	mg/L	ND	0.015	C113573				ND	0.015	C113573
Total Phosphorus (P)	mg/L	0.0036	0.0010	C112975				0.052	0.0010	C112975
Nitrate plus Nitrite (N)	mg/L	ND	0.020	C109795				0.446	0.020	C109499
Total Nitrogen (N)	mg/L	0.111	0.020	C111681				1.08	0.020	C111681
Misc. Organics										
Phenols	mg/L	ND	0.0015	C116414						
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 #: C582800
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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		DUB236			DUB237			DUB237		
Sampling Date		2025/10/01			2025/10/01			2025/10/01		
COC Number		761766-01-01			761766-01-01			761766-01-01		
	UNITS	WLNG-DS Lab-Dup	RDL	QC Batch	WLNG-US	RDL	QC Batch	WLNG-US Lab-Dup	RDL	QC Batch
ANIONS										
Nitrite (N)	mg/L				ND	0.0050	C109510			
Calculated Parameters										
Total Chromium III	mg/L				ND	0.00099	C108810			
Dissolved Hardness (CaCO ₃)	mg/L				107	0.50	C108268			
Total Hardness (CaCO ₃)	mg/L				119	0.50	C108338			
Nitrate (N)	mg/L				1.62	0.020	C108663			
Sulphide (as H ₂ S)	mg/L				ND	0.0020	C108938			
Field Parameters										
Field pH	pH				6.79	N/A	ONSITE			
Field Temperature	°C				19	N/A	ONSITE			
Misc. Inorganics										
pH	pH				6.91	N/A	C109546			
Total Organic Carbon (C)	mg/L				13	0.50	C109006			
Total Dissolved Solids	mg/L	120	10	C113264	200	10	C114129			
Total Suspended Solids	mg/L				12	1.0	C116049			
Lab Filtered Inorganics										
Dissolved Organic Carbon (C)	mg/L				13	0.50	C112479			
Anions										
Alkalinity (PP as CaCO ₃)	mg/L				ND	1.0	C109541			
Alkalinity (Total as CaCO ₃)	mg/L				22	1.0	C109541			
Bicarbonate (HCO ₃)	mg/L				27	1.0	C109541			
Carbonate (CO ₃)	mg/L				ND	1.0	C109541			
Fluoride (F)	mg/L				ND	0.050	C113262			
Hydroxide (OH)	mg/L				ND	1.0	C109541			
Total Sulphide	mg/L				ND	0.0018	C115445			
Chloride (Cl)	mg/L				3.1	1.0	C110593	3.4	1.0	C110593
Sulphate (SO ₄)	mg/L				88	1.0	C110593	90	1.0	C110593
Metals										
Total Hex. Chromium (Cr 6+)	mg/L				ND	0.00099	C109089			
RDL = Reportable Detection Limit Lab-Dup = Laboratory Initiated Duplicate ND = Not Detected at a concentration equal or greater than the indicated Detection Limit. N/A = Not Applicable										



Bureau Veritas Job #: C582800
Report Date: 2025/10/09

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		DUB236			DUB237			DUB237		
Sampling Date		2025/10/01			2025/10/01			2025/10/01		
COC Number		761766-01-01			761766-01-01			761766-01-01		
	UNITS	WLNG-DS Lab-Dup	RDL	QC Batch	WLNG-US	RDL	QC Batch	WLNG-US Lab-Dup	RDL	QC Batch
Nutrients										
Total Ammonia (N)	mg/L				0.016	0.015	C113376			
Total Phosphorus (P)	mg/L				0.24	0.0010	C112975			
Nitrate plus Nitrite (N)	mg/L				1.62	0.020	C109499			
Total Nitrogen (N)	mg/L				2.37	0.10	C111681			
RDL = Reportable Detection Limit										
Lab-Dup = Laboratory Initiated Duplicate										



Bureau Veritas Job #: C582800
Report Date: 2025/10/09

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		DUB238		DUB239			DUB240		
Sampling Date		2025/10/01		2025/10/01			2025/10/01		
COC Number		761766-01-01		761766-01-01			761766-01-01		
	UNITS	SQRI-DS	QC Batch	SQRI-US	RDL	QC Batch	TRIP BLANK	RDL	QC Batch
ANIONS									
Nitrite (N)	mg/L	ND	C109796	ND	0.0050	C109510	ND	0.0050	C109510
Calculated Parameters									
Total Chromium III	mg/L	0.0010	C108810	ND	0.00099	C108810	ND	0.00099	C108809
Dissolved Hardness (CaCO ₃)	mg/L	11.6	C108268	12.5	0.50	C108268	ND	0.50	C108268
Total Hardness (CaCO ₃)	mg/L	20.3	C108338	20.8	0.50	C108338	ND	0.50	C108338
Nitrate (N)	mg/L	0.060	C108663	0.060	0.020	C108663	ND	0.020	C108663
Sulphide (as H ₂ S)	mg/L	0.012	C108938	ND	0.0020	C108938	ND	0.0020	C108448
Field Parameters									
Field pH	pH	6.84	ONSITE	7.36	N/A	ONSITE			
Field Temperature	°C	11.2	ONSITE	13.7	N/A	ONSITE			
Misc. Inorganics									
pH	pH	6.52	C110362	6.65	N/A	C109546	5.96	N/A	C109546
Total Organic Carbon (C)	mg/L	2.5	C109006	2.7	0.50	C109006	ND	0.50	C109006
Total Dissolved Solids	mg/L	28	C113264	52	10	C114129	ND	10	C114129
Total Suspended Solids	mg/L	240	C116049	330	1.0	C116049	ND	1.0	C116049
Lab Filtered Inorganics									
Dissolved Organic Carbon (C)	mg/L	2.6	C112479	2.9	0.50	C112479	ND	0.50	C112479
Anions									
Alkalinity (PP as CaCO ₃)	mg/L	ND	C109763	ND	1.0	C109541	ND	1.0	C109541
Alkalinity (Total as CaCO ₃)	mg/L	10	C109763	11	1.0	C109541	ND	1.0	C109541
Bicarbonate (HCO ₃)	mg/L	13	C109763	13	1.0	C109541	ND	1.0	C109541
Carbonate (CO ₃)	mg/L	ND	C109763	ND	1.0	C109541	ND	1.0	C109541
Fluoride (F)	mg/L	ND	C113262	ND	0.050	C113256	ND	0.050	C113262
Hydroxide (OH)	mg/L	ND	C109763	ND	1.0	C109541	ND	1.0	C109541
Total Sulphide	mg/L	0.011	C115445	ND	0.0018	C115445	ND	0.0018	C115445
Chloride (Cl)	mg/L	ND	C110816	ND	1.0	C110593	ND	1.0	C110593
Sulphate (SO ₄)	mg/L	3.2	C110816	3.2	1.0	C110593	ND	1.0	C110593
Metals									
Total Hex. Chromium (Cr 6+)	mg/L	ND	C109089	ND	0.00099	C109089	ND	0.00099	C109089
RDL = Reportable Detection Limit ND = Not Detected at a concentration equal or greater than the indicated Detection Limit. N/A = Not Applicable									



Bureau Veritas Job #: C582800
Report Date: 2025/10/09

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		DUB238		DUB239			DUB240		
Sampling Date		2025/10/01		2025/10/01			2025/10/01		
COC Number		761766-01-01		761766-01-01			761766-01-01		
	UNITS	SQRI-DS	QC Batch	SQRI-US	RDL	QC Batch	TRIP BLANK	RDL	QC Batch
Nutrients									
Total Ammonia (N)	mg/L	0.033	C113573	0.028	0.015	C113376	ND	0.015	C113573
Total Phosphorus (P)	mg/L	0.25	C112975	0.20	0.0010	C112975	ND	0.0010	C112975
Nitrate plus Nitrite (N)	mg/L	0.060	C109795	0.060	0.020	C109499	ND	0.020	C109499
Total Nitrogen (N)	mg/L	0.205	C111681	0.184	0.020	C111681	ND	0.020	C111681
RDL = Reportable Detection Limit									
ND = Not Detected at a concentration equal or greater than the indicated Detection Limit.									



Bureau Veritas Job #: C582800
Report Date: 2025/10/09

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		DUB240			DUB241			DUB241		
Sampling Date		2025/10/01			2025/10/01			2025/10/01		
COC Number		761766-01-01			761766-01-01			761766-01-01		
	UNITS	TRIP BLANK Lab-Dup	RDL	QC Batch	FIELD BLANK	RDL	QC Batch	FIELD BLANK Lab-Dup	RDL	QC Batch
ANIONS										
Nitrite (N)	mg/L				ND	0.0050	C109510			
Calculated Parameters										
Total Chromium III	mg/L				ND	0.00099	C108810			
Dissolved Hardness (CaCO ₃)	mg/L				ND	0.50	C108268			
Total Hardness (CaCO ₃)	mg/L				ND	0.50	C108338			
Nitrate (N)	mg/L				ND	0.020	C108663			
Sulphide (as H ₂ S)	mg/L				ND	0.0020	C108938			
Misc. Inorganics										
pH	pH				5.82	N/A	C109546			
Total Organic Carbon (C)	mg/L				ND	0.50	C109006			
Total Dissolved Solids	mg/L				ND	10	C114129			
Total Suspended Solids	mg/L	ND	1.0	C116049	ND	1.0	C116049			
Lab Filtered Inorganics										
Dissolved Organic Carbon (C)	mg/L				ND	0.50	C112479	ND	0.50	C112479
Anions										
Alkalinity (PP as CaCO ₃)	mg/L				ND	1.0	C109541			
Alkalinity (Total as CaCO ₃)	mg/L				ND	1.0	C109541			
Bicarbonate (HCO ₃)	mg/L				ND	1.0	C109541			
Carbonate (CO ₃)	mg/L				ND	1.0	C109541			
Fluoride (F)	mg/L				ND	0.050	C113262			
Hydroxide (OH)	mg/L				ND	1.0	C109541			
Total Sulphide	mg/L				ND	0.0018	C115445	ND	0.0018	C115445
Chloride (Cl)	mg/L				ND	1.0	C110593			
Sulphate (SO ₄)	mg/L				ND	1.0	C110593			
Metals										
Total Hex. Chromium (Cr 6+)	mg/L				ND	0.00099	C109089	ND	0.00099	C109089
Nutrients										
Total Ammonia (N)	mg/L				ND	0.015	C113573			
RDL = Reportable Detection Limit Lab-Dup = Laboratory Initiated Duplicate ND = Not Detected at a concentration equal or greater than the indicated Detection Limit. N/A = Not Applicable										



Bureau Veritas Job #: C582800
Report Date: 2025/10/09

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		DUB240			DUB241			DUB241		
Sampling Date		2025/10/01			2025/10/01			2025/10/01		
COC Number		761766-01-01			761766-01-01			761766-01-01		
	UNITS	TRIP BLANK Lab-Dup	RDL	QC Batch	FIELD BLANK	RDL	QC Batch	FIELD BLANK Lab-Dup	RDL	QC Batch
Total Phosphorus (P)	mg/L				ND	0.0010	C112975	ND	0.0010	C112975
Nitrate plus Nitrite (N)	mg/L				ND	0.020	C109499			
Total Nitrogen (N)	mg/L				ND	0.020	C111681			
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 #: C582800
Report Date: 2025/10/09

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

GLYCOLS BY GC-FID (WATER)

Bureau Veritas ID		DUB235		
Sampling Date		2025/10/01		
COC Number		761766-01-01		
	UNITS	WLNG-EOP	RDL	QC Batch
Glycols				
Ethylene Glycol	mg/L	ND	3.0	C114368
Diethylene Glycol	mg/L	ND	5.0	C114368
Triethylene Glycol	mg/L	ND	5.0	C114368
Propylene Glycol	mg/L	ND	5.0	C114368
Surrogate Recovery (%)				
Methyl Sulfone (sur.)	%	90		C114368
RDL = Reportable Detection Limit ND = Not Detected at a concentration equal or greater than the indicated Detection Limit.				



MERCURY BY COLD VAPOR (WATER)

Bureau Veritas ID		DUB235	DUB236	DUB237	DUB238	DUB239	DUB240		
Sampling Date		2025/10/01	2025/10/01	2025/10/01	2025/10/01	2025/10/01	2025/10/01		
COC Number		761766-01-01	761766-01-01	761766-01-01	761766-01-01	761766-01-01	761766-01-01		
	UNITS	WLNG-EOP	WLNG-DS	WLNG-US	SQRI-DS	SQRI-US	TRIP BLANK	RDL	QC Batch

Elements									
Total Mercury (Hg)	ug/L	ND	ND	0.0031	0.0031	0.0032	ND	0.0019	C113988
Lab Filtered Elements									
Dissolved Mercury (Hg)	ug/L	ND (1)	ND (1)	0.0026 (1)	ND (1)	ND (1)	ND (1)	0.0019	C114371

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.

Bureau Veritas ID		DUB241		
Sampling Date		2025/10/01		
COC Number		761766-01-01		
	UNITS	FIELD BLANK	RDL	QC Batch

Elements				
Total Mercury (Hg)	ug/L	ND	0.0019	C113988
Lab Filtered Elements				
Dissolved Mercury (Hg)	ug/L	ND (1)	0.0019	C114371

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		DUB235			DUB235			DUB236		
Sampling Date		2025/10/01			2025/10/01			2025/10/01		
COC Number		761766-01-01			761766-01-01			761766-01-01		
	UNITS	WLNG-EOP	RDL	QC Batch	WLNG-EOP Lab-Dup	RDL	QC Batch	WLNG-DS	RDL	QC Batch

ANIONS

Bromide (Br)	mg/L	ND	0.010	C112728	ND	0.010	C112728	ND	0.010	C112674
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Dissolved Metals by ICPMS

Dissolved Calcium (Ca)	mg/L	22.7	0.050	C108628				18.7	0.050	C108628
Dissolved Magnesium (Mg)	mg/L	1.04	0.050	C108628				3.06	0.050	C108628
Dissolved Potassium (K)	mg/L	1.51	0.050	C108628				1.56	0.050	C108628
Dissolved Sodium (Na)	mg/L	6.37	0.050	C108628				5.59	0.050	C108628
Dissolved Sulphur (S)	mg/L	4.0	3.0	C108628				10.8	3.0	C108628

Lab Filtered Metals

Dissolved Aluminum (Al)	ug/L	40.1	0.50	C111963				64.3	0.50	C111964
Dissolved Antimony (Sb)	ug/L	0.425	0.020	C111963				0.284	0.020	C111964
Dissolved Arsenic (As)	ug/L	0.968	0.020	C111963				0.654	0.020	C111964
Dissolved Barium (Ba)	ug/L	4.41	0.020	C111963				8.80	0.020	C111964
Dissolved Beryllium (Be)	ug/L	ND	0.010	C111963				ND	0.010	C111964
Dissolved Bismuth (Bi)	ug/L	ND	0.0050	C111963				ND	0.0050	C111964
Dissolved Boron (B)	ug/L	10	10	C111963				15	10	C111964
Dissolved Cadmium (Cd)	ug/L	0.0078	0.0050	C111963				0.0097	0.0050	C111964
Dissolved Cesium (Cs)	ug/L	ND	0.050	C111963				ND	0.050	C111964
Dissolved Chromium (Cr)	ug/L	ND	0.10	C111963				ND	0.10	C111964
Dissolved Cobalt (Co)	ug/L	0.0241	0.0050	C111963				0.144	0.0050	C111964
Dissolved Copper (Cu)	ug/L	0.353	0.050	C111963				2.13	0.050	C111964
Dissolved Iron (Fe)	ug/L	ND	1.0	C111963				20.9	1.0	C111964
Dissolved Lead (Pb)	ug/L	ND	0.0050	C111963				0.0098	0.0050	C111964
Dissolved Lithium (Li)	ug/L	2.84	0.50	C111963				1.48	0.50	C111964
Dissolved Manganese (Mn)	ug/L	23.3	0.050	C111963				9.21	0.050	C111964
Dissolved Molybdenum (Mo)	ug/L	24.6	0.050	C111963				11.9	0.050	C111964
Dissolved Nickel (Ni)	ug/L	0.118	0.020	C111963				1.03	0.020	C111964
Dissolved Phosphorus (P)	ug/L	4.3	2.0	C111963				36.7	2.0	C111964
Dissolved Rubidium (Rb)	ug/L	3.40	0.050	C111963				1.92	0.050	C111964
Dissolved Selenium (Se)	ug/L	ND	0.040	C111963				0.049	0.040	C111964
Dissolved Silicon (Si)	ug/L	6110	50	C111963				4980	50	C111964
Dissolved Silver (Ag)	ug/L	ND	0.0050	C111963				ND	0.0050	C111964

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		DUB235			DUB235			DUB236		
Sampling Date		2025/10/01			2025/10/01			2025/10/01		
COC Number		761766-01-01			761766-01-01			761766-01-01		
	UNITS	WLNG-EOP	RDL	QC Batch	WLNG-EOP Lab-Dup	RDL	QC Batch	WLNG-DS	RDL	QC Batch
Dissolved Strontium (Sr)	ug/L	48.9	0.050	C111963				46.1	0.050	C111964
Dissolved Tellurium (Te)	ug/L	ND	0.020	C111963				ND	0.020	C111964
Dissolved Thallium (Tl)	ug/L	0.0123	0.0020	C111963				0.0093	0.0020	C111964
Dissolved Thorium (Th)	ug/L	ND	0.0050	C111963				0.0082	0.0050	C111964
Dissolved Tin (Sn)	ug/L	ND	0.20	C111963				ND	0.20	C111964
Dissolved Titanium (Ti)	ug/L	ND	0.50	C111963				ND	0.50	C111964
Dissolved Uranium (U)	ug/L	0.204	0.0020	C111963				0.199	0.0020	C111964
Dissolved Vanadium (V)	ug/L	ND	0.20	C111963				0.29	0.20	C111964
Dissolved Zinc (Zn)	ug/L	1.95	0.10	C111963				1.91	0.10	C111964
Dissolved Zirconium (Zr)	ug/L	ND	0.10	C111963				ND	0.10	C111964
Total Metals by ICPMS										
Total Aluminum (Al)	ug/L	155	3.0	C112871	150	3.0	C112871	209	3.0	C112871
Total Antimony (Sb)	ug/L	0.395	0.020	C112871	0.400	0.020	C112871	0.293	0.020	C112871
Total Arsenic (As)	ug/L	0.931	0.020	C112871	0.912	0.020	C112871	0.694	0.020	C112871
Total Barium (Ba)	ug/L	4.66	0.050	C112871	4.50	0.050	C112871	9.14	0.050	C112871
Total Beryllium (Be)	ug/L	ND	0.010	C112871	ND	0.010	C112871	ND	0.010	C112871
Total Bismuth (Bi)	ug/L	ND	0.010	C112871	ND	0.010	C112871	ND	0.010	C112871
Total Boron (B)	ug/L	11	10	C112871	ND	10	C112871	13	10	C112871
Total Cadmium (Cd)	ug/L	0.0078	0.0050	C112871	0.0056	0.0050	C112871	0.0123	0.0050	C112871
Total Cesium (Cs)	ug/L	ND	0.050	C112871	ND	0.050	C112871	ND	0.050	C112871
Total Chromium (Cr)	ug/L	ND	0.10	C112871	ND	0.10	C112871	0.13	0.10	C112871
Total Cobalt (Co)	ug/L	0.030	0.010	C112871	0.029	0.010	C112871	0.136	0.010	C112871
Total Copper (Cu)	ug/L	0.56	0.10	C112871	0.47	0.10	C112871	1.89	0.10	C112871
Total Iron (Fe)	ug/L	59.5	5.0	C112871	59.7	5.0	C112871	112	5.0	C112871
Total Lead (Pb)	ug/L	0.062	0.020	C112871	0.053	0.020	C112871	0.062	0.020	C112871
Total Lithium (Li)	ug/L	2.84	0.50	C112871	2.82	0.50	C112871	1.71	0.50	C112871
Total Manganese (Mn)	ug/L	24.4	0.10	C112871	24.4	0.10	C112871	18.4	0.10	C112871
Total Molybdenum (Mo)	ug/L	23.0	0.050	C112871	23.1	0.050	C112871	12.3	0.050	C112871
Total Nickel (Ni)	ug/L	ND	0.10	C112871	ND	0.10	C112871	0.95	0.10	C112871
Total Phosphorus (P)	ug/L	5.7	5.0	C112871	6.2	5.0	C112871	44.3	5.0	C112871
Total Rubidium (Rb)	ug/L	3.26	0.050	C112871	3.29	0.050	C112871	2.03	0.050	C112871
Total Selenium (Se)	ug/L	ND	0.040	C112871	ND	0.040	C112871	ND	0.040	C112871
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 #: C582800
Report Date: 2025/10/09

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

ELEMENTS BY ATOMIC SPECTROSCOPY (WATER)

Bureau Veritas ID		DUB235			DUB235			DUB236		
Sampling Date		2025/10/01			2025/10/01			2025/10/01		
COC Number		761766-01-01			761766-01-01			761766-01-01		
	UNITS	WLNG-EOP	RDL	QC Batch	WLNG-EOP Lab-Dup	RDL	QC Batch	WLNG-DS	RDL	QC Batch
Total Silicon (Si)	ug/L	6010	50	C112871	5990	50	C112871	5180	50	C112871
Total Silver (Ag)	ug/L	ND	0.010	C112871	ND	0.010	C112871	ND	0.010	C112871
Total Strontium (Sr)	ug/L	45.8	0.050	C112871	46.0	0.050	C112871	42.7	0.050	C112871
Total Tellurium (Te)	ug/L	ND	0.020	C112871	ND	0.020	C112871	ND	0.020	C112871
Total Thallium (Tl)	ug/L	0.0112	0.0020	C112871	0.0131	0.0020	C112871	0.0078	0.0020	C112871
Total Thorium (Th)	ug/L	ND	0.050	C112871	ND	0.050	C112871	ND	0.050	C112871
Total Tin (Sn)	ug/L	ND	0.20	C112871	ND	0.20	C112871	ND	0.20	C112871
Total Titanium (Ti)	ug/L	ND	2.0	C112871	ND	2.0	C112871	3.3	2.0	C112871
Total Uranium (U)	ug/L	0.286	0.0050	C112871	0.282	0.0050	C112871	0.307	0.0050	C112871
Total Vanadium (V)	ug/L	ND	0.20	C112871	ND	0.20	C112871	0.32	0.20	C112871
Total Zinc (Zn)	ug/L	2.4	1.0	C112871	2.3	1.0	C112871	3.1	1.0	C112871
Total Zirconium (Zr)	ug/L	ND	0.10	C112871	ND	0.10	C112871	ND	0.10	C112871
Total Calcium (Ca)	mg/L	21.3	0.25	C108825				18.5	0.25	C108825
Total Magnesium (Mg)	mg/L	0.98	0.25	C108825				2.63	0.25	C108825
Total Potassium (K)	mg/L	1.42	0.25	C108825				1.44	0.25	C108825
Total Sodium (Na)	mg/L	5.79	0.25	C108825				5.14	0.25	C108825
Total Sulphur (S)	mg/L	3.3	3.0	C108825				9.5	3.0	C108825
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		DUB236			DUB237		DUB238		
Sampling Date		2025/10/01			2025/10/01		2025/10/01		
COC Number		761766-01-01			761766-01-01		761766-01-01		
	UNITS	WLNG-DS Lab-Dup	RDL	QC Batch	WLNG-US	QC Batch	SQRI-DS	RDL	QC Batch
ANIONS									
Bromide (Br)	mg/L	ND	0.010	C112674	ND	C112674	ND	0.010	C112728
Dissolved Metals by ICPMS									
Dissolved Calcium (Ca)	mg/L				28.0	C108628	3.96	0.050	C108628
Dissolved Magnesium (Mg)	mg/L				9.07	C108628	0.404	0.050	C108628
Dissolved Potassium (K)	mg/L				3.22	C108628	0.500	0.050	C108628
Dissolved Sodium (Na)	mg/L				8.86	C108628	1.28	0.050	C108628
Dissolved Sulphur (S)	mg/L				31.3	C108628	ND	3.0	C108628
Lab Filtered Metals									
Dissolved Aluminum (Al)	ug/L	65.7	0.50	C111964	63.1	C111964	57.2	0.50	C111964
Dissolved Antimony (Sb)	ug/L	0.271	0.020	C111964	0.241	C111964	ND	0.020	C111964
Dissolved Arsenic (As)	ug/L	0.641	0.020	C111964	0.728	C111964	0.117	0.020	C111964
Dissolved Barium (Ba)	ug/L	9.06	0.020	C111964	12.2	C111964	4.77	0.020	C111964
Dissolved Beryllium (Be)	ug/L	ND	0.010	C111964	ND	C111964	ND	0.010	C111964
Dissolved Bismuth (Bi)	ug/L	ND	0.0050	C111964	ND	C111964	ND	0.0050	C111964
Dissolved Boron (B)	ug/L	15	10	C111964	31	C111964	ND	10	C111964
Dissolved Cadmium (Cd)	ug/L	0.0097	0.0050	C111964	0.0141	C111964	0.0074	0.0050	C111964
Dissolved Cesium (Cs)	ug/L	ND	0.050	C111964	ND	C111964	ND	0.050	C111964
Dissolved Chromium (Cr)	ug/L	ND	0.10	C111964	0.26	C111964	ND	0.10	C111964
Dissolved Cobalt (Co)	ug/L	0.143	0.0050	C111964	0.397	C111964	0.0461	0.0050	C111964
Dissolved Copper (Cu)	ug/L	2.07	0.050	C111964	6.55	C111964	1.14	0.050	C111964
Dissolved Iron (Fe)	ug/L	20.8	1.0	C111964	37.3	C111964	36.1	1.0	C111964
Dissolved Lead (Pb)	ug/L	0.0088	0.0050	C111964	0.0232	C111964	0.0174	0.0050	C111964
Dissolved Lithium (Li)	ug/L	1.48	0.50	C111964	0.76	C111964	ND	0.50	C111964
Dissolved Manganese (Mn)	ug/L	9.25	0.050	C111964	3.85	C111964	7.68	0.050	C111964
Dissolved Molybdenum (Mo)	ug/L	11.8	0.050	C111964	1.78	C111964	0.473	0.050	C111964
Dissolved Nickel (Ni)	ug/L	1.09	0.020	C111964	2.96	C111964	0.112	0.020	C111964
Dissolved Phosphorus (P)	ug/L	38.0	2.0	C111964	182	C111964	5.0	2.0	C111964
Dissolved Rubidium (Rb)	ug/L	1.95	0.050	C111964	1.45	C111964	0.664	0.050	C111964
Dissolved Selenium (Se)	ug/L	0.054	0.040	C111964	0.116	C111964	ND	0.040	C111964
Dissolved Silicon (Si)	ug/L	5030	50	C111964	4610	C111964	2490	50	C111964
Dissolved Silver (Ag)	ug/L	ND	0.0050	C111964	0.0059	C111964	ND	0.0050	C111964
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 #: C582800
Report Date: 2025/10/09

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

ELEMENTS BY ATOMIC SPECTROSCOPY (WATER)

Bureau Veritas ID		DUB236			DUB237		DUB238		
Sampling Date		2025/10/01			2025/10/01		2025/10/01		
COC Number		761766-01-01			761766-01-01		761766-01-01		
	UNITS	WLNG-DS Lab-Dup	RDL	QC Batch	WLNG-US	QC Batch	SQRI-DS	RDL	QC Batch
Dissolved Strontium (Sr)	ug/L	46.3	0.050	C111964	70.7	C111964	23.4	0.050	C111964
Dissolved Tellurium (Te)	ug/L	ND	0.020	C111964	ND	C111964	ND	0.020	C111964
Dissolved Thallium (Tl)	ug/L	0.0077	0.0020	C111964	0.0059	C111964	0.0029	0.0020	C111964
Dissolved Thorium (Th)	ug/L	0.0071	0.0050	C111964	0.0110	C111964	0.0063	0.0050	C111964
Dissolved Tin (Sn)	ug/L	ND	0.20	C111964	ND	C111964	ND	0.20	C111964
Dissolved Titanium (Ti)	ug/L	ND	0.50	C111964	0.61	C111964	1.14	0.50	C111964
Dissolved Uranium (U)	ug/L	0.198	0.0020	C111964	0.213	C111964	0.0337	0.0020	C111964
Dissolved Vanadium (V)	ug/L	0.30	0.20	C111964	0.72	C111964	0.74	0.20	C111964
Dissolved Zinc (Zn)	ug/L	1.84	0.10	C111964	1.92	C111964	2.83	0.10	C111964
Dissolved Zirconium (Zr)	ug/L	ND	0.10	C111964	ND	C111964	ND	0.10	C111964
Total Metals by ICPMS									
Total Aluminum (Al)	ug/L				515	C112871	3260	3.0	C112871
Total Antimony (Sb)	ug/L				0.268	C112871	ND	0.020	C112871
Total Arsenic (As)	ug/L				0.840	C112871	0.381	0.020	C112871
Total Barium (Ba)	ug/L				18.0	C112871	44.1	0.050	C112871
Total Beryllium (Be)	ug/L				ND	C112871	0.039	0.010	C112871
Total Bismuth (Bi)	ug/L				ND	C112871	ND	0.010	C112871
Total Boron (B)	ug/L				32	C112871	ND	10	C112871
Total Cadmium (Cd)	ug/L				0.0250	C112871	0.0309	0.0050	C112871
Total Cesium (Cs)	ug/L				0.053	C112871	0.150	0.050	C112871
Total Chromium (Cr)	ug/L				0.48	C112871	1.04	0.10	C112871
Total Cobalt (Co)	ug/L				0.564	C112871	1.11	0.010	C112871
Total Copper (Cu)	ug/L				7.90	C112871	6.56	0.10	C112871
Total Iron (Fe)	ug/L				462	C112871	2270	5.0	C112871
Total Lead (Pb)	ug/L				0.276	C112871	0.759	0.020	C112871
Total Lithium (Li)	ug/L				1.20	C112871	1.77	0.50	C112871
Total Manganese (Mn)	ug/L				18.6	C112871	75.6	0.10	C112871
Total Molybdenum (Mo)	ug/L				1.55	C112871	0.448	0.050	C112871
Total Nickel (Ni)	ug/L				3.40	C112871	1.38	0.10	C112871
Total Phosphorus (P)	ug/L				230	C112871	198	5.0	C112871
Total Rubidium (Rb)	ug/L				2.06	C112871	3.13	0.050	C112871
Total Selenium (Se)	ug/L				0.138	C112871	ND	0.040	C112871
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 #: C582800
Report Date: 2025/10/09

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

ELEMENTS BY ATOMIC SPECTROSCOPY (WATER)

Bureau Veritas ID		DUB236			DUB237		DUB238		
Sampling Date		2025/10/01			2025/10/01		2025/10/01		
COC Number		761766-01-01			761766-01-01		761766-01-01		
	UNITS	WLNG-DS Lab-Dup	RDL	QC Batch	WLNG-US	QC Batch	SQRI-DS	RDL	QC Batch
Total Silicon (Si)	ug/L				6050	C112871	6920	50	C112871
Total Silver (Ag)	ug/L				0.012	C112871	0.013	0.010	C112871
Total Strontium (Sr)	ug/L				78.6	C112871	47.0	0.050	C112871
Total Tellurium (Te)	ug/L				ND	C112871	ND	0.020	C112871
Total Thallium (Tl)	ug/L				0.0094	C112871	0.0242	0.0020	C112871
Total Thorium (Th)	ug/L				0.052	C112871	0.113	0.050	C112871
Total Tin (Sn)	ug/L				ND	C112871	ND	0.20	C112871
Total Titanium (Ti)	ug/L				19.5	C112871	117	2.0	C112871
Total Uranium (U)	ug/L				0.349	C112871	0.111	0.0050	C112871
Total Vanadium (V)	ug/L				1.32	C112871	5.50	0.20	C112871
Total Zinc (Zn)	ug/L				4.3	C112871	16.5	1.0	C112871
Total Zirconium (Zr)	ug/L				0.14	C112871	0.49	0.10	C112871
Total Calcium (Ca)	mg/L				31.8	C108825	5.75	0.25	C108825
Total Magnesium (Mg)	mg/L				9.74	C108825	1.44	0.25	C108825
Total Potassium (K)	mg/L				3.76	C108825	1.14	0.25	C108825
Total Sodium (Na)	mg/L				9.70	C108825	2.02	0.25	C108825
Total Sulphur (S)	mg/L				34.9	C108825	ND	3.0	C108825
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		DUB239			DUB240	DUB241		
Sampling Date		2025/10/01			2025/10/01	2025/10/01		
COC Number		761766-01-01			761766-01-01	761766-01-01		
	UNITS	SQRI-US	RDL	QC Batch	TRIP BLANK	FIELD BLANK	RDL	QC Batch
ANIONS								
Bromide (Br)	mg/L	ND	0.010	C112674	ND	ND	0.010	C112674
Dissolved Metals by ICPMS								
Dissolved Calcium (Ca)	mg/L	4.31	0.050	C108628	ND	ND	0.050	C108628
Dissolved Magnesium (Mg)	mg/L	0.415	0.050	C108628	ND	ND	0.050	C108628
Dissolved Potassium (K)	mg/L	0.437	0.050	C108628	ND	ND	0.050	C108628
Dissolved Sodium (Na)	mg/L	1.12	0.050	C108628	ND	ND	0.050	C108628
Dissolved Sulphur (S)	mg/L	ND	3.0	C108628	ND	ND	3.0	C108628
Lab Filtered Metals								
Dissolved Aluminum (Al)	ug/L	62.9	0.50	C111964	ND	ND	0.50	C111964
Dissolved Antimony (Sb)	ug/L	ND	0.020	C111964	ND	ND	0.020	C111964
Dissolved Arsenic (As)	ug/L	0.122	0.020	C111964	ND	ND	0.020	C111964
Dissolved Barium (Ba)	ug/L	4.28	0.020	C111964	ND	ND	0.020	C111964
Dissolved Beryllium (Be)	ug/L	ND	0.010	C111964	ND	ND	0.010	C111964
Dissolved Bismuth (Bi)	ug/L	ND	0.0050	C111964	ND	ND	0.0050	C111964
Dissolved Boron (B)	ug/L	ND	10	C111964	ND	ND	10	C111964
Dissolved Cadmium (Cd)	ug/L	0.0103	0.0050	C111964	ND	ND	0.0050	C111964
Dissolved Cesium (Cs)	ug/L	ND	0.050	C111964	ND	ND	0.050	C111964
Dissolved Chromium (Cr)	ug/L	ND	0.10	C111964	ND	ND	0.10	C111964
Dissolved Cobalt (Co)	ug/L	0.0433	0.0050	C111964	ND	ND	0.0050	C111964
Dissolved Copper (Cu)	ug/L	1.12	0.050	C111964	ND	ND	0.050	C111964
Dissolved Iron (Fe)	ug/L	35.8	1.0	C111964	ND	ND	1.0	C111964
Dissolved Lead (Pb)	ug/L	0.0205	0.0050	C111964	ND	ND	0.0050	C111964
Dissolved Lithium (Li)	ug/L	ND	0.50	C111964	ND	ND	0.50	C111964
Dissolved Manganese (Mn)	ug/L	7.17	0.050	C111964	ND	ND	0.050	C111964
Dissolved Molybdenum (Mo)	ug/L	0.397	0.050	C111964	ND	ND	0.050	C111964
Dissolved Nickel (Ni)	ug/L	0.102	0.020	C111964	ND	ND	0.020	C111964
Dissolved Phosphorus (P)	ug/L	5.9	2.0	C111964	ND	ND	2.0	C111964
Dissolved Rubidium (Rb)	ug/L	0.561	0.050	C111964	ND	ND	0.050	C111964
Dissolved Selenium (Se)	ug/L	ND	0.040	C111964	ND	ND	0.040	C111964
Dissolved Silicon (Si)	ug/L	2770	50	C111964	ND	ND	50	C111964
Dissolved Silver (Ag)	ug/L	ND	0.0050	C111964	ND	ND	0.0050	C111964
Dissolved Strontium (Sr)	ug/L	25.3	0.050	C111964	ND	ND	0.050	C111964
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		DUB239			DUB240	DUB241		
Sampling Date		2025/10/01			2025/10/01	2025/10/01		
COC Number		761766-01-01			761766-01-01	761766-01-01		
	UNITS	SQRI-US	RDL	QC Batch	TRIP BLANK	FIELD BLANK	RDL	QC Batch
Dissolved Tellurium (Te)	ug/L	ND	0.020	C111964	ND	ND	0.020	C111964
Dissolved Thallium (Tl)	ug/L	0.0035	0.0020	C111964	ND	ND	0.0020	C111964
Dissolved Thorium (Th)	ug/L	0.0076	0.0050	C111964	ND	ND	0.0050	C111964
Dissolved Tin (Sn)	ug/L	ND	0.20	C111964	ND	ND	0.20	C111964
Dissolved Titanium (Ti)	ug/L	1.13	0.50	C111964	ND	ND	0.50	C111964
Dissolved Uranium (U)	ug/L	0.0317	0.0020	C111964	ND	ND	0.0020	C111964
Dissolved Vanadium (V)	ug/L	0.82	0.20	C111964	ND	ND	0.20	C111964
Dissolved Zinc (Zn)	ug/L	0.13	0.10	C111964	ND	ND	0.10	C111964
Dissolved Zirconium (Zr)	ug/L	ND	0.10	C111964	ND	ND	0.10	C111964
Total Metals by ICPMS								
Total Aluminum (Al)	ug/L	2880	3.0	C112871	ND	ND	0.50	C110161
Total Antimony (Sb)	ug/L	ND	0.020	C112871	ND	ND	0.020	C110161
Total Arsenic (As)	ug/L	0.330	0.020	C112871	ND	ND	0.020	C110161
Total Barium (Ba)	ug/L	39.5	0.050	C112871	ND	ND	0.020	C110161
Total Beryllium (Be)	ug/L	0.039	0.010	C112871	ND	ND	0.010	C110161
Total Bismuth (Bi)	ug/L	0.012	0.010	C112871	ND	ND	0.0050	C110161
Total Boron (B)	ug/L	ND	10	C112871	ND	ND	10	C110161
Total Cadmium (Cd)	ug/L	0.0342	0.0050	C112871	ND	ND	0.0050	C110161
Total Cesium (Cs)	ug/L	0.114	0.050	C112871	ND	ND	0.050	C110161
Total Chromium (Cr)	ug/L	0.94	0.10	C112871	ND	ND	0.10	C110161
Total Cobalt (Co)	ug/L	0.985	0.010	C112871	ND	ND	0.0050	C110161
Total Copper (Cu)	ug/L	6.73	0.10	C112871	ND	ND	0.050	C110161
Total Iron (Fe)	ug/L	1950	5.0	C112871	ND	ND	1.0	C110161
Total Lead (Pb)	ug/L	0.896	0.020	C112871	ND	ND	0.0050	C110161
Total Lithium (Li)	ug/L	1.59	0.50	C112871	ND	ND	0.50	C110161
Total Manganese (Mn)	ug/L	70.7	0.10	C112871	ND	ND	0.050	C110161
Total Molybdenum (Mo)	ug/L	0.414	0.050	C112871	ND	ND	0.050	C110161
Total Nickel (Ni)	ug/L	1.27	0.10	C112871	ND	ND	0.020	C110161
Total Phosphorus (P)	ug/L	300	5.0	C112871	2.0	2.7	2.0	C110161
Total Rubidium (Rb)	ug/L	2.73	0.050	C112871	ND	ND	0.050	C110161
Total Selenium (Se)	ug/L	ND	0.040	C112871	ND	ND	0.040	C110161
Total Silicon (Si)	ug/L	6430	50	C112871	ND	ND	50	C110161
Total Silver (Ag)	ug/L	0.016	0.010	C112871	ND	ND	0.0050	C110161
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		DUB239			DUB240	DUB241		
Sampling Date		2025/10/01			2025/10/01	2025/10/01		
COC Number		761766-01-01			761766-01-01	761766-01-01		
	UNITS	SQRI-US	RDL	QC Batch	TRIP BLANK	FIELD BLANK	RDL	QC Batch
Total Strontium (Sr)	ug/L	47.5	0.050	C112871	ND	ND	0.050	C110161
Total Tellurium (Te)	ug/L	ND	0.020	C112871	ND	ND	0.020	C110161
Total Thallium (Tl)	ug/L	0.0225	0.0020	C112871	ND	ND	0.0020	C110161
Total Thorium (Th)	ug/L	0.106	0.050	C112871	ND	ND	0.050	C110161
Total Tin (Sn)	ug/L	ND	0.20	C112871	ND	ND	0.20	C110161
Total Titanium (Ti)	ug/L	93.6	2.0	C112871	ND	ND	0.50	C110161
Total Uranium (U)	ug/L	0.111	0.0050	C112871	ND	ND	0.0020	C110161
Total Vanadium (V)	ug/L	4.91	0.20	C112871	ND	ND	0.20	C110161
Total Zinc (Zn)	ug/L	8.3	1.0	C112871	ND	ND	0.10	C110161
Total Zirconium (Zr)	ug/L	0.65	0.10	C112871	ND	ND	0.10	C110161
Total Calcium (Ca)	mg/L	6.28	0.25	C108825	ND	ND	0.050	C108825
Total Magnesium (Mg)	mg/L	1.25	0.25	C108825	ND	ND	0.050	C108825
Total Potassium (K)	mg/L	1.00	0.25	C108825	ND	ND	0.050	C108825
Total Sodium (Na)	mg/L	1.72	0.25	C108825	ND	ND	0.050	C108825
Total Sulphur (S)	mg/L	ND	3.0	C108825	ND	ND	3.0	C108825
RDL = Reportable Detection Limit								
ND = Not Detected at a concentration equal or greater than the indicated Detection Limit.								



Bureau Veritas Job #: C582800
Report Date: 2025/10/09

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

MISCELLANEOUS (WATER)

Bureau Veritas ID		DUB235	DUB236	DUB237	DUB238	DUB239		
Sampling Date		2025/10/01	2025/10/01	2025/10/01	2025/10/01	2025/10/01		
COC Number		761766-01-01	761766-01-01	761766-01-01	761766-01-01	761766-01-01		
	UNITS	WLNG-EOP	WLNG-DS	WLNG-US	SQRI-DS	SQRI-US	RDL	QC Batch
Calculated Parameters								
Total Un-ionized Hydrogen Sulfide as S	mg/L	ND	ND	ND	0.0076	ND	0.0018	C108821
Total Un-ionized Hydrogen Sulfide as H2S	mg/L	ND	ND	ND	0.0081	ND	0.0019	C108821
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		DUB235		
Sampling Date		2025/10/01		
COC Number		761766-01-01		
	UNITS	WLNG-EOP	RDL	QC Batch
Calculated Parameters				
Low Molecular Weight PAH's	ug/L	ND	0.10	C108278
High Molecular Weight PAH's	ug/L	ND	0.050	C108278
Total PAH	ug/L	ND	0.10	C108278
Polycyclic Aromatics				
Quinoline	ug/L	ND	0.020	C115439
Naphthalene	ug/L	ND	0.10	C115439
1-Methylnaphthalene	ug/L	ND	0.050	C115439
2-Methylnaphthalene	ug/L	ND	0.10	C115439
Acenaphthylene	ug/L	ND	0.050	C115439
Acenaphthene	ug/L	ND	0.050	C115439
Fluorene	ug/L	ND	0.050	C115439
Phenanthrene	ug/L	ND	0.050	C115439
Anthracene	ug/L	ND	0.010	C115439
Acridine	ug/L	ND	0.050	C115439
Fluoranthene	ug/L	ND	0.020	C115439
Pyrene	ug/L	ND	0.020	C115439
Benzo(a)anthracene	ug/L	ND	0.010	C115439
Chrysene	ug/L	ND	0.020	C115439
Benzo(b&j)fluoranthene	ug/L	ND	0.030	C115439
Benzo(k)fluoranthene	ug/L	ND	0.050	C115439
Benzo(a)pyrene	ug/L	ND	0.0050	C115439
Indeno(1,2,3-cd)pyrene	ug/L	ND	0.050	C115439
Dibenz(a,h)anthracene	ug/L	ND	0.0030	C115439
Benzo(g,h,i)perylene	ug/L	ND	0.050	C115439
Calculated Parameters				
LEPH (C10-C19 less PAH)	mg/L	ND	0.20	C108263
HEPH (C19-C32 less PAH)	mg/L	ND	0.20	C108263
Ext. Pet. Hydrocarbon				
EPH (C10-C19)	mg/L	ND	0.20	C115442
EPH (C19-C32)	mg/L	ND	0.20	C115442
RDL = Reportable Detection Limit ND = Not Detected at a concentration equal or greater than the indicated Detection Limit.				



Bureau Veritas Job #: C582800
Report Date: 2025/10/09

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		DUB235		
Sampling Date		2025/10/01		
COC Number		761766-01-01		
	UNITS	WLNG-EOP	RDL	QC Batch
Surrogate Recovery (%)				
O-TERPHENYL (sur.)	%	103		C115442
D10-ANTHRACENE (sur.)	%	104		C115439
D8-ACENAPHTHYLENE (sur.)	%	99		C115439
D8-NAPHTHALENE (sur.)	%	85		C115439
TERPHENYL-D14 (sur.)	%	104		C115439
RDL = Reportable Detection Limit				



CSR VOC + VPH IN WATER (WATER)

Bureau Veritas ID		DUB235		
Sampling Date		2025/10/01		
COC Number		761766-01-01		
	UNITS	WLNG-EOP	RDL	QC Batch
Calculated Parameters				
VPH (VH6 to 10 - BTEX)	ug/L	ND	300	C108265
Volatiles				
VH C6-C10	ug/L	ND	300	C114179
1,1,1,2-tetrachloroethane	ug/L	ND	0.50	C114179
1,1,1-trichloroethane	ug/L	ND	0.50	C114179
1,1,2,2-tetrachloroethane	ug/L	ND	0.50	C114179
1,1,2Trichloro-1,2,2Trifluoroethane	ug/L	ND	2.0	C114179
1,1,2-trichloroethane	ug/L	ND	0.50	C114179
1,1-dichloroethane	ug/L	ND	0.50	C114179
1,1-dichloroethene	ug/L	ND	0.50	C114179
1,2,3-trichlorobenzene	ug/L	ND	2.0	C114179
1,2,4-trichlorobenzene	ug/L	ND	2.0	C114179
1,2-dibromoethane	ug/L	ND	0.20	C114179
1,2-dichlorobenzene	ug/L	ND	0.50	C114179
1,2-dichloroethane	ug/L	ND	0.50	C114179
1,2-dichloropropane	ug/L	ND	0.50	C114179
1,3,5-trimethylbenzene	ug/L	ND	2.0	C114179
1,3-Butadiene	ug/L	ND	0.50	C114179
1,3-dichlorobenzene	ug/L	ND	0.50	C114179
1,3-dichloropropane	ug/L	ND	1.0	C114179
1,4-dichlorobenzene	ug/L	ND	0.50	C114179
Benzene	ug/L	ND	0.40	C114179
Bromobenzene	ug/L	ND	2.0	C114179
Bromodichloromethane	ug/L	ND	1.0	C114179
Bromoform	ug/L	ND	1.0	C114179
Bromomethane	ug/L	ND	1.0	C114179
Carbon tetrachloride	ug/L	ND	0.50	C114179
Chlorobenzene	ug/L	ND	0.50	C114179
Dibromochloromethane	ug/L	ND	1.0	C114179
Chloroethane	ug/L	ND	1.0	C114179
Chloroform	ug/L	ND	1.0	C114179
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		DUB235		
Sampling Date		2025/10/01		
COC Number		761766-01-01		
	UNITS	WLNG-EOP	RDL	QC Batch
Chloromethane	ug/L	ND	1.0	C114179
cis-1,2-dichloroethene	ug/L	ND	1.0	C114179
cis-1,3-dichloropropene	ug/L	ND	1.0	C114179
Dichlorodifluoromethane	ug/L	ND	2.0	C114179
Dichloromethane	ug/L	ND	2.0	C114179
Ethylbenzene	ug/L	ND	0.40	C114179
Hexachlorobutadiene	ug/L	ND	0.50	C114179
Isopropylbenzene	ug/L	ND	2.0	C114179
Methyl-tert-butylether (MTBE)	ug/L	ND	4.0	C114179
Styrene	ug/L	ND	0.50	C114179
Tetrachloroethene	ug/L	ND	0.50	C114179
Toluene	ug/L	ND	0.40	C114179
trans-1,2-dichloroethene	ug/L	ND	1.0	C114179
trans-1,3-dichloropropene	ug/L	ND	1.0	C114179
Trichloroethene	ug/L	ND	0.50	C114179
Trichlorofluoromethane	ug/L	ND	4.0	C114179
Vinyl chloride	ug/L	ND	0.50	C114179
m & p-Xylene	ug/L	ND	0.40	C114179
o-Xylene	ug/L	ND	0.40	C114179
Xylenes (Total)	ug/L	ND	0.40	C114179
Surrogate Recovery (%)				
1,4-Difluorobenzene (sur.)	%	99		C114179
4-Bromofluorobenzene (sur.)	%	79		C114179
D4-1,2-Dichloroethane (sur.)	%	89		C114179
RDL = Reportable Detection Limit ND = Not Detected at a concentration equal or greater than the indicated Detection Limit.				



Bureau Veritas Job #: C582800
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HATFIELD CONSULTANTS
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GENERAL COMMENTS

Results relate only to the items tested.



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HATFIELD CONSULTANTS
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QUALITY ASSURANCE REPORT

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
C109006	BTM	Matrix Spike [DUB235-09]	Total Organic Carbon (C)	2025/10/02		102	%	80 - 120
C109006	BTM	Spiked Blank	Total Organic Carbon (C)	2025/10/02		99	%	80 - 120
C109006	BTM	Method Blank	Total Organic Carbon (C)	2025/10/02	ND, RDL=0.50		mg/L	
C109006	BTM	RPD [DUB235-09]	Total Organic Carbon (C)	2025/10/02	5.4		%	20
C109089	BB3	Matrix Spike [DUB241-08]	Total Hex. Chromium (Cr 6+)	2025/10/02		98	%	80 - 120
C109089	BB3	Spiked Blank	Total Hex. Chromium (Cr 6+)	2025/10/02		109	%	80 - 120
C109089	BB3	Method Blank	Total Hex. Chromium (Cr 6+)	2025/10/02	ND, RDL=0.00099		mg/L	
C109089	BB3	RPD [DUB241-08]	Total Hex. Chromium (Cr 6+)	2025/10/02	NC		%	20
C109499	JGL	Matrix Spike	Nitrate plus Nitrite (N)	2025/10/02		118	%	80 - 120
C109499	JGL	Spiked Blank	Nitrate plus Nitrite (N)	2025/10/02		109	%	80 - 120
C109499	JGL	Method Blank	Nitrate plus Nitrite (N)	2025/10/02	ND, RDL=0.020		mg/L	
C109499	JGL	RPD	Nitrate plus Nitrite (N)	2025/10/02	8.3		%	25
C109510	JGL	Matrix Spike	Nitrite (N)	2025/10/02		111	%	80 - 120
C109510	JGL	Spiked Blank	Nitrite (N)	2025/10/02		105	%	80 - 120
C109510	JGL	Method Blank	Nitrite (N)	2025/10/02	ND, RDL=0.0050		mg/L	
C109510	JGL	RPD	Nitrite (N)	2025/10/02	NC		%	20
C109541	JLP	Spiked Blank	Alkalinity (Total as CaCO3)	2025/10/02		97	%	80 - 120
C109541	JLP	Method Blank	Alkalinity (PP as CaCO3)	2025/10/02	ND, RDL=1.0		mg/L	
			Alkalinity (Total as CaCO3)	2025/10/02	ND, RDL=1.0		mg/L	
			Bicarbonate (HCO3)	2025/10/02	ND, RDL=1.0		mg/L	
			Carbonate (CO3)	2025/10/02	ND, RDL=1.0		mg/L	
			Hydroxide (OH)	2025/10/02	ND, RDL=1.0		mg/L	
C109541	JLP	RPD	Alkalinity (PP as CaCO3)	2025/10/02	NC		%	20
			Alkalinity (Total as CaCO3)	2025/10/02	0.40		%	20
			Bicarbonate (HCO3)	2025/10/02	0.40		%	20
			Carbonate (CO3)	2025/10/02	NC		%	20
			Hydroxide (OH)	2025/10/02	NC		%	20
C109546	JLP	Spiked Blank	pH	2025/10/02		100	%	97 - 103
C109546	JLP	RPD	pH	2025/10/02	0.29		%	N/A
C109763	JLP	Spiked Blank	Alkalinity (Total as CaCO3)	2025/10/03		99	%	80 - 120
C109763	JLP	Method Blank	Alkalinity (PP as CaCO3)	2025/10/03	ND, RDL=1.0		mg/L	
			Alkalinity (Total as CaCO3)	2025/10/03	ND, RDL=1.0		mg/L	
			Bicarbonate (HCO3)	2025/10/03	ND, RDL=1.0		mg/L	
			Carbonate (CO3)	2025/10/03	ND, RDL=1.0		mg/L	
			Hydroxide (OH)	2025/10/03	ND, RDL=1.0		mg/L	
C109763	JLP	RPD	Alkalinity (PP as CaCO3)	2025/10/03	NC		%	20
			Alkalinity (Total as CaCO3)	2025/10/03	0.22		%	20
			Bicarbonate (HCO3)	2025/10/03	0.22		%	20



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Your P.O. #: 4800010213

QUALITY ASSURANCE REPORT(CONT'D)

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
C109795	JGL	Matrix Spike	Carbonate (CO3)	2025/10/03	NC		%	20
			Hydroxide (OH)	2025/10/03	NC		%	20
			Nitrate plus Nitrite (N)	2025/10/02		113	%	80 - 120
			Nitrate plus Nitrite (N)	2025/10/02		109	%	80 - 120
C109795	JGL	Method Blank	Nitrate plus Nitrite (N)	2025/10/02	ND, RDL=0.020		mg/L	
C109795	JGL	RPD	Nitrate plus Nitrite (N)	2025/10/02	6.3		%	25
C109796	JGL	Matrix Spike	Nitrite (N)	2025/10/02		NC	%	80 - 120
C109796	JGL	Spiked Blank	Nitrite (N)	2025/10/02		104	%	80 - 120
C109796	JGL	Method Blank	Nitrite (N)	2025/10/02	ND, RDL=0.0050		mg/L	
C109796	JGL	RPD	Nitrite (N)	2025/10/02	0.84		%	20
C110161	AA1	Matrix Spike	Total Aluminum (Al)	2025/10/03		99	%	80 - 120
			Total Antimony (Sb)	2025/10/03		104	%	80 - 120
			Total Arsenic (As)	2025/10/03		102	%	80 - 120
			Total Barium (Ba)	2025/10/03		100	%	80 - 120
			Total Beryllium (Be)	2025/10/03		103	%	80 - 120
			Total Bismuth (Bi)	2025/10/03		99	%	80 - 120
			Total Boron (B)	2025/10/03		103	%	80 - 120
			Total Cadmium (Cd)	2025/10/03		103	%	80 - 120
			Total Cesium (Cs)	2025/10/03		100	%	80 - 120
			Total Chromium (Cr)	2025/10/03		99	%	80 - 120
			Total Cobalt (Co)	2025/10/03		93	%	80 - 120
			Total Copper (Cu)	2025/10/03		96	%	80 - 120
			Total Iron (Fe)	2025/10/03		106	%	80 - 120
			Total Lead (Pb)	2025/10/03		97	%	80 - 120
			Total Lithium (Li)	2025/10/03		98	%	80 - 120
			Total Manganese (Mn)	2025/10/03		98	%	80 - 120
			Total Molybdenum (Mo)	2025/10/03		104	%	80 - 120
			Total Nickel (Ni)	2025/10/03		96	%	80 - 120
			Total Phosphorus (P)	2025/10/03		121 (1)	%	80 - 120
			Total Rubidium (Rb)	2025/10/03		103	%	80 - 120
			Total Selenium (Se)	2025/10/03		102	%	80 - 120
			Total Silicon (Si)	2025/10/03		84	%	80 - 120
			Total Silver (Ag)	2025/10/03		99	%	80 - 120
			Total Strontium (Sr)	2025/10/03		104	%	80 - 120
			Total Tellurium (Te)	2025/10/03		108	%	80 - 120
			Total Thallium (Tl)	2025/10/03		98	%	80 - 120
			Total Thorium (Th)	2025/10/03		93	%	80 - 120
			Total Tin (Sn)	2025/10/03		99	%	80 - 120
			Total Titanium (Ti)	2025/10/03		101	%	80 - 120
			Total Uranium (U)	2025/10/03		87	%	80 - 120
			Total Vanadium (V)	2025/10/03		99	%	80 - 120
			Total Zinc (Zn)	2025/10/03		99	%	80 - 120
			Total Zirconium (Zr)	2025/10/03		103	%	80 - 120
C110161	AA1	Spiked Blank	Total Aluminum (Al)	2025/10/03		108	%	80 - 120
			Total Antimony (Sb)	2025/10/03		108	%	80 - 120
			Total Arsenic (As)	2025/10/03		108	%	80 - 120
			Total Barium (Ba)	2025/10/03		106	%	80 - 120
			Total Beryllium (Be)	2025/10/03		112	%	80 - 120
			Total Bismuth (Bi)	2025/10/03		105	%	80 - 120
			Total Boron (B)	2025/10/03		109	%	80 - 120
			Total Cadmium (Cd)	2025/10/03		107	%	80 - 120



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QUALITY ASSURANCE REPORT(CONT'D)

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
C110161	AA1	Method Blank	Total Cesium (Cs)	2025/10/03		107	%	80 - 120
			Total Chromium (Cr)	2025/10/03		108	%	80 - 120
			Total Cobalt (Co)	2025/10/03		102	%	80 - 120
			Total Copper (Cu)	2025/10/03		106	%	80 - 120
			Total Iron (Fe)	2025/10/03		112	%	80 - 120
			Total Lead (Pb)	2025/10/03		103	%	80 - 120
			Total Lithium (Li)	2025/10/03		105	%	80 - 120
			Total Manganese (Mn)	2025/10/03		108	%	80 - 120
			Total Molybdenum (Mo)	2025/10/03		109	%	80 - 120
			Total Nickel (Ni)	2025/10/03		106	%	80 - 120
			Total Phosphorus (P)	2025/10/03		105	%	80 - 120
			Total Rubidium (Rb)	2025/10/03		106	%	80 - 120
			Total Selenium (Se)	2025/10/03		107	%	80 - 120
			Total Silicon (Si)	2025/10/03		111	%	80 - 120
			Total Silver (Ag)	2025/10/03		105	%	80 - 120
			Total Strontium (Sr)	2025/10/03		109	%	80 - 120
			Total Tellurium (Te)	2025/10/03		115	%	80 - 120
			Total Thallium (Tl)	2025/10/03		104	%	80 - 120
			Total Thorium (Th)	2025/10/03		97	%	80 - 120
			Total Tin (Sn)	2025/10/03		103	%	80 - 120
			Total Titanium (Ti)	2025/10/03		107	%	80 - 120
			Total Uranium (U)	2025/10/03		100	%	80 - 120
			Total Vanadium (V)	2025/10/03		107	%	80 - 120
			Total Zinc (Zn)	2025/10/03		114	%	80 - 120
			Total Zirconium (Zr)	2025/10/03		107	%	80 - 120
			Total Aluminum (Al)	2025/10/04	ND, RDL=0.50		ug/L	
			Total Antimony (Sb)	2025/10/04	ND, RDL=0.020		ug/L	
			Total Arsenic (As)	2025/10/04	ND, RDL=0.020		ug/L	
			Total Barium (Ba)	2025/10/04	ND, RDL=0.020		ug/L	
			Total Beryllium (Be)	2025/10/04	ND, RDL=0.010		ug/L	
			Total Bismuth (Bi)	2025/10/04	ND, RDL=0.0050		ug/L	
			Total Boron (B)	2025/10/04	ND, RDL=10		ug/L	
			Total Cadmium (Cd)	2025/10/04	ND, RDL=0.0050		ug/L	
			Total Cesium (Cs)	2025/10/04	ND, RDL=0.050		ug/L	
			Total Chromium (Cr)	2025/10/04	ND, RDL=0.10		ug/L	
			Total Cobalt (Co)	2025/10/04	ND, RDL=0.0050		ug/L	
			Total Copper (Cu)	2025/10/04	ND, RDL=0.050		ug/L	
			Total Iron (Fe)	2025/10/04	ND, RDL=1.0		ug/L	
			Total Lead (Pb)	2025/10/04	ND, RDL=0.0050		ug/L	



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QUALITY ASSURANCE REPORT(CONT'D)

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
C110161	AA1	RPD	Total Lithium (Li)	2025/10/04	ND, RDL=0.50		ug/L	
			Total Manganese (Mn)	2025/10/04	ND, RDL=0.050		ug/L	
			Total Molybdenum (Mo)	2025/10/04	ND, RDL=0.050		ug/L	
			Total Nickel (Ni)	2025/10/04	ND, RDL=0.020		ug/L	
			Total Phosphorus (P)	2025/10/04	ND, RDL=2.0		ug/L	
			Total Rubidium (Rb)	2025/10/04	ND, RDL=0.050		ug/L	
			Total Selenium (Se)	2025/10/04	ND, RDL=0.040		ug/L	
			Total Silicon (Si)	2025/10/04	ND, RDL=50		ug/L	
			Total Silver (Ag)	2025/10/04	ND, RDL=0.0050		ug/L	
			Total Strontium (Sr)	2025/10/04	ND, RDL=0.050		ug/L	
			Total Tellurium (Te)	2025/10/04	ND, RDL=0.020		ug/L	
			Total Thallium (Tl)	2025/10/04	ND, RDL=0.0020		ug/L	
			Total Thorium (Th)	2025/10/04	ND, RDL=0.050		ug/L	
			Total Tin (Sn)	2025/10/04	ND, RDL=0.20		ug/L	
			Total Titanium (Ti)	2025/10/04	ND, RDL=0.50		ug/L	
			Total Uranium (U)	2025/10/04	ND, RDL=0.0020		ug/L	
			Total Vanadium (V)	2025/10/04	ND, RDL=0.20		ug/L	
			Total Zinc (Zn)	2025/10/04	ND, RDL=0.10		ug/L	
			Total Zirconium (Zr)	2025/10/04	ND, RDL=0.10		ug/L	
			Total Aluminum (Al)	2025/10/04	7.1		%	20
			Total Arsenic (As)	2025/10/04	1.1		%	20
			Total Cadmium (Cd)	2025/10/04	NC		%	20
			Total Chromium (Cr)	2025/10/04	NC		%	20
			Total Cobalt (Co)	2025/10/04	NC		%	20
			Total Copper (Cu)	2025/10/04	3.6		%	20
			Total Iron (Fe)	2025/10/04	1.7		%	20
			Total Lead (Pb)	2025/10/04	1.9		%	20
			Total Manganese (Mn)	2025/10/04	4.5		%	20
			Total Molybdenum (Mo)	2025/10/04	12		%	20
			Total Nickel (Ni)	2025/10/04	2.4		%	20
			Total Selenium (Se)	2025/10/04	NC		%	20
			Total Thallium (Tl)	2025/10/04	NC		%	20
			Total Uranium (U)	2025/10/04	0.28		%	20
			Total Zinc (Zn)	2025/10/04	16		%	20
C110362	JLP	Spiked Blank	pH	2025/10/03		101	%	97 - 103



QUALITY ASSURANCE REPORT(CONT'D)

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
C110362	JLP	RPD	pH	2025/10/03	0.19		%	N/A
C110593	CBK	Matrix Spike [DUB240-02]	Chloride (Cl)	2025/10/03		106	%	80 - 120
			Sulphate (SO4)	2025/10/03		101	%	80 - 120
C110593	CBK	Spiked Blank	Chloride (Cl)	2025/10/03		100	%	80 - 120
			Sulphate (SO4)	2025/10/03		93	%	80 - 120
C110593	CBK	Method Blank	Chloride (Cl)	2025/10/03	ND, RDL=1.0		mg/L	
			Sulphate (SO4)	2025/10/03	ND, RDL=1.0		mg/L	
C110593	CBK	RPD [DUB237-02]	Chloride (Cl)	2025/10/03	8.5		%	20
			Sulphate (SO4)	2025/10/03	1.8		%	20
C110816	CBK	Matrix Spike	Chloride (Cl)	2025/10/03		NC	%	80 - 120
			Sulphate (SO4)	2025/10/03		109	%	80 - 120
C110816	CBK	Spiked Blank	Chloride (Cl)	2025/10/03		107	%	80 - 120
			Sulphate (SO4)	2025/10/03		97	%	80 - 120
C110816	CBK	Method Blank	Chloride (Cl)	2025/10/03	ND, RDL=1.0		mg/L	
			Sulphate (SO4)	2025/10/03	ND, RDL=1.0		mg/L	
C110816	CBK	RPD	Chloride (Cl)	2025/10/03	0.40		%	20
C111681	NKT	Matrix Spike	Total Nitrogen (N)	2025/10/06		106	%	80 - 120
C111681	NKT	Spiked Blank	Total Nitrogen (N)	2025/10/06		101	%	80 - 120
C111681	NKT	Method Blank	Total Nitrogen (N)	2025/10/06	ND, RDL=0.020		mg/L	
C111681	NKT	RPD	Total Nitrogen (N)	2025/10/06	6.3		%	20
C111963	MEM	Matrix Spike	Dissolved Aluminum (Al)	2025/10/07		98	%	80 - 120
			Dissolved Antimony (Sb)	2025/10/07		100	%	80 - 120
			Dissolved Arsenic (As)	2025/10/07		104	%	80 - 120
			Dissolved Barium (Ba)	2025/10/07		98	%	80 - 120
			Dissolved Beryllium (Be)	2025/10/07		98	%	80 - 120
			Dissolved Bismuth (Bi)	2025/10/07		91	%	80 - 120
			Dissolved Boron (B)	2025/10/07		100	%	80 - 120
			Dissolved Cadmium (Cd)	2025/10/07		100	%	80 - 120
			Dissolved Cesium (Cs)	2025/10/07		100	%	80 - 120
			Dissolved Chromium (Cr)	2025/10/07		98	%	80 - 120
			Dissolved Cobalt (Co)	2025/10/07		91	%	80 - 120
			Dissolved Copper (Cu)	2025/10/07		92	%	80 - 120
			Dissolved Iron (Fe)	2025/10/07		100	%	80 - 120
			Dissolved Lead (Pb)	2025/10/07		94	%	80 - 120
			Dissolved Lithium (Li)	2025/10/07		93	%	80 - 120
			Dissolved Manganese (Mn)	2025/10/07		95	%	80 - 120
			Dissolved Molybdenum (Mo)	2025/10/07		105	%	80 - 120
			Dissolved Nickel (Ni)	2025/10/07		93	%	80 - 120
			Dissolved Phosphorus (P)	2025/10/07		105	%	80 - 120
			Dissolved Rubidium (Rb)	2025/10/07		99	%	80 - 120
			Dissolved Selenium (Se)	2025/10/07		98	%	80 - 120
			Dissolved Silicon (Si)	2025/10/07		NC	%	80 - 120
			Dissolved Silver (Ag)	2025/10/07		95	%	80 - 120
			Dissolved Strontium (Sr)	2025/10/07		NC	%	80 - 120
			Dissolved Tellurium (Te)	2025/10/07		96	%	80 - 120
			Dissolved Thallium (Tl)	2025/10/07		95	%	80 - 120
			Dissolved Thorium (Th)	2025/10/07		97	%	80 - 120



QUALITY ASSURANCE REPORT(CONT'D)

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
C111963	MEM	Spiked Blank	Dissolved Tin (Sn)	2025/10/07		99	%	80 - 120
			Dissolved Titanium (Ti)	2025/10/07		101	%	80 - 120
			Dissolved Uranium (U)	2025/10/07		97	%	80 - 120
			Dissolved Vanadium (V)	2025/10/07		102	%	80 - 120
			Dissolved Zinc (Zn)	2025/10/07		95	%	80 - 120
			Dissolved Zirconium (Zr)	2025/10/07		102	%	80 - 120
			Dissolved Aluminum (Al)	2025/10/07		102	%	80 - 120
			Dissolved Antimony (Sb)	2025/10/07		99	%	80 - 120
			Dissolved Arsenic (As)	2025/10/07		102	%	80 - 120
			Dissolved Barium (Ba)	2025/10/07		100	%	80 - 120
			Dissolved Beryllium (Be)	2025/10/07		101	%	80 - 120
			Dissolved Bismuth (Bi)	2025/10/07		96	%	80 - 120
			Dissolved Boron (B)	2025/10/07		101	%	80 - 120
			Dissolved Cadmium (Cd)	2025/10/07		102	%	80 - 120
			Dissolved Cesium (Cs)	2025/10/07		100	%	80 - 120
			Dissolved Chromium (Cr)	2025/10/07		102	%	80 - 120
			Dissolved Cobalt (Co)	2025/10/07		96	%	80 - 120
			Dissolved Copper (Cu)	2025/10/07		99	%	80 - 120
			Dissolved Iron (Fe)	2025/10/07		102	%	80 - 120
			Dissolved Lead (Pb)	2025/10/07		96	%	80 - 120
			Dissolved Lithium (Li)	2025/10/07		96	%	80 - 120
			Dissolved Manganese (Mn)	2025/10/07		101	%	80 - 120
			Dissolved Molybdenum (Mo)	2025/10/07		102	%	80 - 120
			Dissolved Nickel (Ni)	2025/10/07		99	%	80 - 120
			Dissolved Phosphorus (P)	2025/10/07		105	%	80 - 120
			Dissolved Rubidium (Rb)	2025/10/07		99	%	80 - 120
			Dissolved Selenium (Se)	2025/10/07		99	%	80 - 120
			Dissolved Silicon (Si)	2025/10/07		106	%	80 - 120
			Dissolved Silver (Ag)	2025/10/07		96	%	80 - 120
			Dissolved Strontium (Sr)	2025/10/07		101	%	80 - 120
			Dissolved Tellurium (Te)	2025/10/07		99	%	80 - 120
			Dissolved Thallium (Tl)	2025/10/07		96	%	80 - 120
			Dissolved Thorium (Th)	2025/10/07		94	%	80 - 120
			Dissolved Tin (Sn)	2025/10/07		98	%	80 - 120
			Dissolved Titanium (Ti)	2025/10/07		101	%	80 - 120
			Dissolved Uranium (U)	2025/10/07		93	%	80 - 120
			Dissolved Vanadium (V)	2025/10/07		103	%	80 - 120
			Dissolved Zinc (Zn)	2025/10/07		107	%	80 - 120
			Dissolved Zirconium (Zr)	2025/10/07		98	%	80 - 120
C111963	MEM	Method Blank	Dissolved Aluminum (Al)	2025/10/07	ND, RDL=0.50		ug/L	
			Dissolved Antimony (Sb)	2025/10/07	ND, RDL=0.020		ug/L	
			Dissolved Arsenic (As)	2025/10/07	ND, RDL=0.020		ug/L	
			Dissolved Barium (Ba)	2025/10/07	ND, RDL=0.020		ug/L	
			Dissolved Beryllium (Be)	2025/10/07	ND, RDL=0.010		ug/L	
			Dissolved Bismuth (Bi)	2025/10/07	ND, RDL=0.0050		ug/L	
			Dissolved Boron (B)	2025/10/07	ND, RDL=10		ug/L	



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QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
			Dissolved Cadmium (Cd)	2025/10/07	ND, RDL=0.0050		ug/L	
			Dissolved Cesium (Cs)	2025/10/07	ND, RDL=0.050		ug/L	
			Dissolved Chromium (Cr)	2025/10/07	ND, RDL=0.10		ug/L	
			Dissolved Cobalt (Co)	2025/10/07	ND, RDL=0.0050		ug/L	
			Dissolved Copper (Cu)	2025/10/07	ND, RDL=0.050		ug/L	
			Dissolved Iron (Fe)	2025/10/07	ND, RDL=1.0		ug/L	
			Dissolved Lead (Pb)	2025/10/07	ND, RDL=0.0050		ug/L	
			Dissolved Lithium (Li)	2025/10/07	ND, RDL=0.50		ug/L	
			Dissolved Manganese (Mn)	2025/10/07	ND, RDL=0.050		ug/L	
			Dissolved Molybdenum (Mo)	2025/10/07	ND, RDL=0.050		ug/L	
			Dissolved Nickel (Ni)	2025/10/07	ND, RDL=0.020		ug/L	
			Dissolved Phosphorus (P)	2025/10/07	ND, RDL=2.0		ug/L	
			Dissolved Rubidium (Rb)	2025/10/07	ND, RDL=0.050		ug/L	
			Dissolved Selenium (Se)	2025/10/07	ND, RDL=0.040		ug/L	
			Dissolved Silicon (Si)	2025/10/07	ND, RDL=50		ug/L	
			Dissolved Silver (Ag)	2025/10/07	ND, RDL=0.0050		ug/L	
			Dissolved Strontium (Sr)	2025/10/07	ND, RDL=0.050		ug/L	
			Dissolved Tellurium (Te)	2025/10/07	ND, RDL=0.020		ug/L	
			Dissolved Thallium (Tl)	2025/10/07	ND, RDL=0.0020		ug/L	
			Dissolved Thorium (Th)	2025/10/07	ND, RDL=0.0050		ug/L	
			Dissolved Tin (Sn)	2025/10/07	ND, RDL=0.20		ug/L	
			Dissolved Titanium (Ti)	2025/10/07	ND, RDL=0.50		ug/L	
			Dissolved Uranium (U)	2025/10/07	ND, RDL=0.0020		ug/L	
			Dissolved Vanadium (V)	2025/10/07	ND, RDL=0.20		ug/L	
			Dissolved Zinc (Zn)	2025/10/07	ND, RDL=0.10		ug/L	
			Dissolved Zirconium (Zr)	2025/10/07	ND, RDL=0.10		ug/L	
C111963	MEM	RPD	Dissolved Aluminum (Al)	2025/10/07	4.6		%	20
			Dissolved Antimony (Sb)	2025/10/07	1.1		%	20



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QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
			Dissolved Arsenic (As)	2025/10/07	1.2		%	20
			Dissolved Barium (Ba)	2025/10/07	1.2		%	20
			Dissolved Beryllium (Be)	2025/10/07	NC		%	20
			Dissolved Bismuth (Bi)	2025/10/07	NC		%	20
			Dissolved Boron (B)	2025/10/07	0.70		%	20
			Dissolved Cadmium (Cd)	2025/10/07	5.4		%	20
			Dissolved Chromium (Cr)	2025/10/07	9.4		%	20
			Dissolved Cobalt (Co)	2025/10/07	1.2		%	20
			Dissolved Copper (Cu)	2025/10/07	1.9		%	20
			Dissolved Iron (Fe)	2025/10/07	0.32		%	20
			Dissolved Lead (Pb)	2025/10/07	14		%	20
			Dissolved Lithium (Li)	2025/10/07	0.59		%	20
			Dissolved Manganese (Mn)	2025/10/07	3.2		%	20
			Dissolved Molybdenum (Mo)	2025/10/07	3.7		%	20
			Dissolved Nickel (Ni)	2025/10/07	0.71		%	20
			Dissolved Selenium (Se)	2025/10/07	0.42		%	20
			Dissolved Silicon (Si)	2025/10/07	2.1		%	20
			Dissolved Silver (Ag)	2025/10/07	NC		%	20
			Dissolved Strontium (Sr)	2025/10/07	0.60		%	20
			Dissolved Thallium (Tl)	2025/10/07	16		%	20
			Dissolved Tin (Sn)	2025/10/07	NC		%	20
			Dissolved Titanium (Ti)	2025/10/07	NC		%	20
			Dissolved Uranium (U)	2025/10/07	1.1		%	20
			Dissolved Vanadium (V)	2025/10/07	2.3		%	20
			Dissolved Zinc (Zn)	2025/10/07	1.8		%	20
			Dissolved Zirconium (Zr)	2025/10/07	NC		%	20
			Dissolved Aluminum (Al)	2025/10/07	1.0		%	20
			Dissolved Antimony (Sb)	2025/10/07	NC		%	20
			Dissolved Arsenic (As)	2025/10/07	NC		%	20
			Dissolved Barium (Ba)	2025/10/07	2.2		%	20
			Dissolved Beryllium (Be)	2025/10/07	NC		%	20
			Dissolved Bismuth (Bi)	2025/10/07	NC		%	20
			Dissolved Boron (B)	2025/10/07	NC		%	20
			Dissolved Cadmium (Cd)	2025/10/07	NC		%	20
			Dissolved Chromium (Cr)	2025/10/07	NC		%	20
			Dissolved Cobalt (Co)	2025/10/07	NC		%	20
			Dissolved Copper (Cu)	2025/10/07	12		%	20
			Dissolved Iron (Fe)	2025/10/07	1.5		%	20
			Dissolved Lead (Pb)	2025/10/07	NC		%	20
			Dissolved Lithium (Li)	2025/10/07	NC		%	20
			Dissolved Manganese (Mn)	2025/10/07	12		%	20
			Dissolved Molybdenum (Mo)	2025/10/07	NC		%	20
			Dissolved Nickel (Ni)	2025/10/07	18		%	20
			Dissolved Phosphorus (P)	2025/10/07	NC		%	20
			Dissolved Selenium (Se)	2025/10/07	NC		%	20
			Dissolved Silicon (Si)	2025/10/07	NC		%	20
			Dissolved Silver (Ag)	2025/10/07	NC		%	20
			Dissolved Strontium (Sr)	2025/10/07	NC		%	20
			Dissolved Thallium (Tl)	2025/10/07	NC		%	20
			Dissolved Tin (Sn)	2025/10/07	NC		%	20
			Dissolved Titanium (Ti)	2025/10/07	NC		%	20
			Dissolved Uranium (U)	2025/10/07	NC		%	20
			Dissolved Vanadium (V)	2025/10/07	NC		%	20



QUALITY ASSURANCE REPORT(CONT'D)

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
C111964	AA1	Matrix Spike [DUB237-06]	Dissolved Zinc (Zn)	2025/10/07	15		%	20
			Dissolved Zirconium (Zr)	2025/10/07	NC		%	20
			Dissolved Aluminum (Al)	2025/10/08		88	%	80 - 120
			Dissolved Antimony (Sb)	2025/10/08		91	%	80 - 120
			Dissolved Arsenic (As)	2025/10/08		94	%	80 - 120
			Dissolved Barium (Ba)	2025/10/08		91	%	80 - 120
			Dissolved Beryllium (Be)	2025/10/08		91	%	80 - 120
			Dissolved Bismuth (Bi)	2025/10/08		88	%	80 - 120
			Dissolved Boron (B)	2025/10/08		92	%	80 - 120
			Dissolved Cadmium (Cd)	2025/10/08		95	%	80 - 120
			Dissolved Cesium (Cs)	2025/10/08		92	%	80 - 120
			Dissolved Chromium (Cr)	2025/10/08		91	%	80 - 120
			Dissolved Cobalt (Co)	2025/10/08		92	%	80 - 120
			Dissolved Copper (Cu)	2025/10/08		88	%	80 - 120
			Dissolved Iron (Fe)	2025/10/08		95	%	80 - 120
			Dissolved Lead (Pb)	2025/10/08		89	%	80 - 120
			Dissolved Lithium (Li)	2025/10/08		84	%	80 - 120
			Dissolved Manganese (Mn)	2025/10/08		91	%	80 - 120
			Dissolved Molybdenum (Mo)	2025/10/08		97	%	80 - 120
			Dissolved Nickel (Ni)	2025/10/08		90	%	80 - 120
			Dissolved Phosphorus (P)	2025/10/08		93	%	80 - 120
			Dissolved Rubidium (Rb)	2025/10/08		89	%	80 - 120
			Dissolved Selenium (Se)	2025/10/08		96	%	80 - 120
			Dissolved Silicon (Si)	2025/10/08		100	%	80 - 120
			Dissolved Silver (Ag)	2025/10/08		92	%	80 - 120
			Dissolved Strontium (Sr)	2025/10/08		NC	%	80 - 120
			Dissolved Tellurium (Te)	2025/10/08		86	%	80 - 120
			Dissolved Thallium (Tl)	2025/10/08		90	%	80 - 120
			Dissolved Thorium (Th)	2025/10/08		89	%	80 - 120
			Dissolved Tin (Sn)	2025/10/08		91	%	80 - 120
			Dissolved Titanium (Ti)	2025/10/08		93	%	80 - 120
			Dissolved Uranium (U)	2025/10/08		85	%	80 - 120
			Dissolved Vanadium (V)	2025/10/08		93	%	80 - 120
			Dissolved Zinc (Zn)	2025/10/08		93	%	80 - 120
C111964	AA1	Spiked Blank	Dissolved Zirconium (Zr)	2025/10/08		95	%	80 - 120
			Dissolved Aluminum (Al)	2025/10/08		96	%	80 - 120
			Dissolved Antimony (Sb)	2025/10/08		97	%	80 - 120
			Dissolved Arsenic (As)	2025/10/08		99	%	80 - 120
			Dissolved Barium (Ba)	2025/10/08		99	%	80 - 120
			Dissolved Beryllium (Be)	2025/10/08		100	%	80 - 120
			Dissolved Bismuth (Bi)	2025/10/08		93	%	80 - 120
			Dissolved Boron (B)	2025/10/08		97	%	80 - 120
			Dissolved Cadmium (Cd)	2025/10/08		100	%	80 - 120
			Dissolved Cesium (Cs)	2025/10/08		96	%	80 - 120
			Dissolved Chromium (Cr)	2025/10/08		99	%	80 - 120
			Dissolved Cobalt (Co)	2025/10/08		98	%	80 - 120
			Dissolved Copper (Cu)	2025/10/08		97	%	80 - 120
			Dissolved Iron (Fe)	2025/10/08		100	%	80 - 120
			Dissolved Lead (Pb)	2025/10/08		95	%	80 - 120
			Dissolved Lithium (Li)	2025/10/08		92	%	80 - 120
			Dissolved Manganese (Mn)	2025/10/08		100	%	80 - 120
			Dissolved Molybdenum (Mo)	2025/10/08		101	%	80 - 120



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QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
C111964	AA1	Method Blank	Dissolved Nickel (Ni)	2025/10/08		98	%	80 - 120
			Dissolved Phosphorus (P)	2025/10/08		98	%	80 - 120
			Dissolved Rubidium (Rb)	2025/10/08		98	%	80 - 120
			Dissolved Selenium (Se)	2025/10/08		100	%	80 - 120
			Dissolved Silicon (Si)	2025/10/08		98	%	80 - 120
			Dissolved Silver (Ag)	2025/10/08		96	%	80 - 120
			Dissolved Strontium (Sr)	2025/10/08		101	%	80 - 120
			Dissolved Tellurium (Te)	2025/10/08		99	%	80 - 120
			Dissolved Thallium (Tl)	2025/10/08		95	%	80 - 120
			Dissolved Thorium (Th)	2025/10/08		92	%	80 - 120
			Dissolved Tin (Sn)	2025/10/08		97	%	80 - 120
			Dissolved Titanium (Ti)	2025/10/08		101	%	80 - 120
			Dissolved Uranium (U)	2025/10/08		88	%	80 - 120
			Dissolved Vanadium (V)	2025/10/08		99	%	80 - 120
			Dissolved Zinc (Zn)	2025/10/08		102	%	80 - 120
			Dissolved Zirconium (Zr)	2025/10/08		100	%	80 - 120
			Dissolved Aluminum (Al)	2025/10/08	ND, RDL=0.50		ug/L	
			Dissolved Antimony (Sb)	2025/10/08	ND, RDL=0.020		ug/L	
			Dissolved Arsenic (As)	2025/10/08	ND, RDL=0.020		ug/L	
			Dissolved Barium (Ba)	2025/10/08	ND, RDL=0.020		ug/L	
			Dissolved Beryllium (Be)	2025/10/08	ND, RDL=0.010		ug/L	
			Dissolved Bismuth (Bi)	2025/10/08	ND, RDL=0.0050		ug/L	
			Dissolved Boron (B)	2025/10/08	ND, RDL=10		ug/L	
			Dissolved Cadmium (Cd)	2025/10/08	ND, RDL=0.0050		ug/L	
			Dissolved Cesium (Cs)	2025/10/08	ND, RDL=0.050		ug/L	
			Dissolved Chromium (Cr)	2025/10/08	ND, RDL=0.10		ug/L	
			Dissolved Cobalt (Co)	2025/10/08	ND, RDL=0.0050		ug/L	
			Dissolved Copper (Cu)	2025/10/08	ND, RDL=0.050		ug/L	
			Dissolved Iron (Fe)	2025/10/08	ND, RDL=1.0		ug/L	
			Dissolved Lead (Pb)	2025/10/08	ND, RDL=0.0050		ug/L	
			Dissolved Lithium (Li)	2025/10/08	ND, RDL=0.50		ug/L	
			Dissolved Manganese (Mn)	2025/10/08	ND, RDL=0.050		ug/L	
			Dissolved Molybdenum (Mo)	2025/10/08	ND, RDL=0.050		ug/L	
			Dissolved Nickel (Ni)	2025/10/08	ND, RDL=0.020		ug/L	
			Dissolved Phosphorus (P)	2025/10/08	ND, RDL=2.0		ug/L	



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QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
C111964	AA1	RPD [DUB236-06]	Dissolved Rubidium (Rb)	2025/10/08	ND, RDL=0.050		ug/L	
			Dissolved Selenium (Se)	2025/10/08	ND, RDL=0.040		ug/L	
			Dissolved Silicon (Si)	2025/10/08	ND, RDL=50		ug/L	
			Dissolved Silver (Ag)	2025/10/08	ND, RDL=0.0050		ug/L	
			Dissolved Strontium (Sr)	2025/10/08	ND, RDL=0.050		ug/L	
			Dissolved Tellurium (Te)	2025/10/08	ND, RDL=0.020		ug/L	
			Dissolved Thallium (Tl)	2025/10/08	ND, RDL=0.0020		ug/L	
			Dissolved Thorium (Th)	2025/10/08	ND, RDL=0.0050		ug/L	
			Dissolved Tin (Sn)	2025/10/08	ND, RDL=0.20		ug/L	
			Dissolved Titanium (Ti)	2025/10/08	ND, RDL=0.50		ug/L	
			Dissolved Uranium (U)	2025/10/08	ND, RDL=0.0020		ug/L	
			Dissolved Vanadium (V)	2025/10/08	ND, RDL=0.20		ug/L	
			Dissolved Zinc (Zn)	2025/10/08	ND, RDL=0.10		ug/L	
			Dissolved Zirconium (Zr)	2025/10/08	ND, RDL=0.10		ug/L	
			Dissolved Aluminum (Al)	2025/10/08	2.2		%	20
			Dissolved Antimony (Sb)	2025/10/08	4.8		%	20
			Dissolved Arsenic (As)	2025/10/08	2.1		%	20
			Dissolved Barium (Ba)	2025/10/08	2.8		%	20
			Dissolved Beryllium (Be)	2025/10/08	NC		%	20
			Dissolved Bismuth (Bi)	2025/10/08	NC		%	20
			Dissolved Boron (B)	2025/10/08	0.79		%	20
			Dissolved Cadmium (Cd)	2025/10/08	0		%	20
			Dissolved Cesium (Cs)	2025/10/08	NC		%	20
			Dissolved Chromium (Cr)	2025/10/08	NC		%	20
			Dissolved Cobalt (Co)	2025/10/08	0.56		%	20
			Dissolved Copper (Cu)	2025/10/08	2.9		%	20
			Dissolved Iron (Fe)	2025/10/08	0.63		%	20
			Dissolved Lead (Pb)	2025/10/08	11		%	20
			Dissolved Lithium (Li)	2025/10/08	0.22		%	20
			Dissolved Manganese (Mn)	2025/10/08	0.49		%	20
			Dissolved Molybdenum (Mo)	2025/10/08	0.63		%	20
			Dissolved Nickel (Ni)	2025/10/08	5.2		%	20
			Dissolved Phosphorus (P)	2025/10/08	3.6		%	20
			Dissolved Rubidium (Rb)	2025/10/08	1.9		%	20
			Dissolved Selenium (Se)	2025/10/08	9.5		%	20
			Dissolved Silicon (Si)	2025/10/08	1.2		%	20
			Dissolved Silver (Ag)	2025/10/08	NC		%	20
			Dissolved Strontium (Sr)	2025/10/08	0.34		%	20
			Dissolved Tellurium (Te)	2025/10/08	NC		%	20



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QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
C112479	BTM	Matrix Spike [DUB241-04]	Dissolved Thallium (Tl)	2025/10/08	19		%	20
			Dissolved Thorium (Th)	2025/10/08	14		%	20
			Dissolved Tin (Sn)	2025/10/08	NC		%	20
			Dissolved Titanium (Ti)	2025/10/08	NC		%	20
			Dissolved Uranium (U)	2025/10/08	0.81		%	20
			Dissolved Vanadium (V)	2025/10/08	3.0		%	20
			Dissolved Zinc (Zn)	2025/10/08	3.6		%	20
			Dissolved Zirconium (Zr)	2025/10/08	NC		%	20
			Dissolved Organic Carbon (C)	2025/10/06		107	%	80 - 120
			Dissolved Organic Carbon (C)	2025/10/06		103	%	80 - 120
			Dissolved Organic Carbon (C)	2025/10/06	ND, RDL=0.50		mg/L	
			Dissolved Organic Carbon (C)	2025/10/06	NC		%	20
			Bromide (Br)	2025/10/06		96	%	78 - 120
			Bromide (Br)	2025/10/06		100	%	80 - 120
			Bromide (Br)	2025/10/06	ND, RDL=0.010		mg/L	
			Bromide (Br)	2025/10/06	NC		%	20
			Bromide (Br)	2025/10/06		105	%	78 - 120
			Bromide (Br)	2025/10/06		92	%	80 - 120
			Bromide (Br)	2025/10/06	ND, RDL=0.010		mg/L	
			Bromide (Br)	2025/10/06	NC		%	20
			Total Aluminum (Al)	2025/10/07		118	%	80 - 120
			Total Antimony (Sb)	2025/10/07		103	%	80 - 120
			Total Arsenic (As)	2025/10/07		106	%	80 - 120
			Total Barium (Ba)	2025/10/07		105	%	80 - 120
			Total Beryllium (Be)	2025/10/07		99	%	80 - 120
			Total Bismuth (Bi)	2025/10/07		98	%	80 - 120
			Total Boron (B)	2025/10/07		98	%	80 - 120
			Total Cadmium (Cd)	2025/10/07		106	%	80 - 120
			Total Cesium (Cs)	2025/10/07		104	%	80 - 120
			Total Chromium (Cr)	2025/10/07		104	%	80 - 120
			Total Cobalt (Co)	2025/10/07		99	%	80 - 120
			Total Copper (Cu)	2025/10/07		101	%	80 - 120
			Total Iron (Fe)	2025/10/07		116	%	80 - 120
			Total Lead (Pb)	2025/10/07		99	%	80 - 120
			Total Lithium (Li)	2025/10/07		99	%	80 - 120
			Total Manganese (Mn)	2025/10/07		104	%	80 - 120
			Total Molybdenum (Mo)	2025/10/07		NC	%	80 - 120
			Total Nickel (Ni)	2025/10/07		101	%	80 - 120
			Total Phosphorus (P)	2025/10/07		103	%	80 - 120
			Total Rubidium (Rb)	2025/10/07		108	%	80 - 120
			Total Selenium (Se)	2025/10/07		105	%	80 - 120
			Total Silicon (Si)	2025/10/07		NC	%	80 - 120
			Total Silver (Ag)	2025/10/07		101	%	80 - 120
			Total Strontium (Sr)	2025/10/07		106	%	80 - 120
			Total Tellurium (Te)	2025/10/07		101	%	80 - 120
			Total Thallium (Tl)	2025/10/07		100	%	80 - 120



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C112871	MEM	Spiked Blank	Total Thorium (Th)	2025/10/07		117	%	80 - 120
			Total Tin (Sn)	2025/10/07		105	%	80 - 120
			Total Titanium (Ti)	2025/10/07		110	%	80 - 120
			Total Uranium (U)	2025/10/07		114	%	80 - 120
			Total Vanadium (V)	2025/10/07		106	%	80 - 120
			Total Zinc (Zn)	2025/10/07		104	%	80 - 120
			Total Zirconium (Zr)	2025/10/07		106	%	80 - 120
			Total Aluminum (Al)	2025/10/07		104	%	80 - 120
			Total Antimony (Sb)	2025/10/07		102	%	80 - 120
			Total Arsenic (As)	2025/10/07		105	%	80 - 120
			Total Barium (Ba)	2025/10/07		103	%	80 - 120
			Total Beryllium (Be)	2025/10/07		97	%	80 - 120
			Total Bismuth (Bi)	2025/10/07		103	%	80 - 120
			Total Boron (B)	2025/10/07		99	%	80 - 120
			Total Cadmium (Cd)	2025/10/07		105	%	80 - 120
			Total Cesium (Cs)	2025/10/07		104	%	80 - 120
			Total Chromium (Cr)	2025/10/07		105	%	80 - 120
			Total Cobalt (Co)	2025/10/07		100	%	80 - 120
			Total Copper (Cu)	2025/10/07		103	%	80 - 120
			Total Iron (Fe)	2025/10/07		107	%	80 - 120
			Total Lead (Pb)	2025/10/07		102	%	80 - 120
			Total Lithium (Li)	2025/10/07		99	%	80 - 120
			Total Manganese (Mn)	2025/10/07		104	%	80 - 120
			Total Molybdenum (Mo)	2025/10/07		105	%	80 - 120
			Total Nickel (Ni)	2025/10/07		104	%	80 - 120
			Total Phosphorus (P)	2025/10/07		101	%	80 - 120
			Total Rubidium (Rb)	2025/10/07		104	%	80 - 120
			Total Selenium (Se)	2025/10/07		107	%	80 - 120
			Total Silicon (Si)	2025/10/07		108	%	80 - 120
			Total Silver (Ag)	2025/10/07		99	%	80 - 120
			Total Strontium (Sr)	2025/10/07		105	%	80 - 120
			Total Tellurium (Te)	2025/10/07		97	%	80 - 120
			Total Thallium (Tl)	2025/10/07		101	%	80 - 120
			Total Thorium (Th)	2025/10/07		119	%	80 - 120
			Total Tin (Sn)	2025/10/07		103	%	80 - 120
			Total Titanium (Ti)	2025/10/07		105	%	80 - 120
			Total Uranium (U)	2025/10/07		115	%	80 - 120
			Total Vanadium (V)	2025/10/07		105	%	80 - 120
			Total Zinc (Zn)	2025/10/07		106	%	80 - 120
			Total Zirconium (Zr)	2025/10/07		104	%	80 - 120
C112871	MEM	Method Blank	Total Aluminum (Al)	2025/10/07	ND, RDL=3.0		ug/L	
			Total Antimony (Sb)	2025/10/07	ND, RDL=0.020		ug/L	
			Total Arsenic (As)	2025/10/07	ND, RDL=0.020		ug/L	
			Total Barium (Ba)	2025/10/07	ND, RDL=0.050		ug/L	
			Total Beryllium (Be)	2025/10/07	ND, RDL=0.010		ug/L	
			Total Bismuth (Bi)	2025/10/07	ND, RDL=0.010		ug/L	



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			Total Boron (B)	2025/10/07	ND, RDL=10		ug/L	
			Total Cadmium (Cd)	2025/10/07	ND, RDL=0.0050		ug/L	
			Total Cesium (Cs)	2025/10/07	ND, RDL=0.050		ug/L	
			Total Chromium (Cr)	2025/10/07	ND, RDL=0.10		ug/L	
			Total Cobalt (Co)	2025/10/07	ND, RDL=0.010		ug/L	
			Total Copper (Cu)	2025/10/07	ND, RDL=0.10		ug/L	
			Total Iron (Fe)	2025/10/07	ND, RDL=5.0		ug/L	
			Total Lead (Pb)	2025/10/07	ND, RDL=0.020		ug/L	
			Total Lithium (Li)	2025/10/07	ND, RDL=0.50		ug/L	
			Total Manganese (Mn)	2025/10/07	ND, RDL=0.10		ug/L	
			Total Molybdenum (Mo)	2025/10/07	ND, RDL=0.050		ug/L	
			Total Nickel (Ni)	2025/10/07	ND, RDL=0.10		ug/L	
			Total Phosphorus (P)	2025/10/07	ND, RDL=5.0		ug/L	
			Total Rubidium (Rb)	2025/10/07	ND, RDL=0.050		ug/L	
			Total Selenium (Se)	2025/10/07	ND, RDL=0.040		ug/L	
			Total Silicon (Si)	2025/10/07	ND, RDL=50		ug/L	
			Total Silver (Ag)	2025/10/07	ND, RDL=0.010		ug/L	
			Total Strontium (Sr)	2025/10/07	ND, RDL=0.050		ug/L	
			Total Tellurium (Te)	2025/10/07	ND, RDL=0.020		ug/L	
			Total Thallium (Tl)	2025/10/07	ND, RDL=0.0020		ug/L	
			Total Thorium (Th)	2025/10/07	ND, RDL=0.050		ug/L	
			Total Tin (Sn)	2025/10/07	ND, RDL=0.20		ug/L	
			Total Titanium (Ti)	2025/10/07	ND, RDL=2.0		ug/L	
			Total Uranium (U)	2025/10/07	ND, RDL=0.0050		ug/L	
			Total Vanadium (V)	2025/10/07	ND, RDL=0.20		ug/L	
			Total Zinc (Zn)	2025/10/07	ND, RDL=1.0		ug/L	
			Total Zirconium (Zr)	2025/10/07	ND, RDL=0.10		ug/L	



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QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
C112871	MEM	RPD [DUB235-05]	Total Aluminum (Al)	2025/10/07	3.1		%	20
			Total Antimony (Sb)	2025/10/07	1.3		%	20
			Total Arsenic (As)	2025/10/07	2.1		%	20
			Total Barium (Ba)	2025/10/07	3.4		%	20
			Total Beryllium (Be)	2025/10/07	NC		%	20
			Total Bismuth (Bi)	2025/10/07	NC		%	20
			Total Boron (B)	2025/10/07	5.8		%	20
			Total Cadmium (Cd)	2025/10/07	NC		%	20
			Total Cesium (Cs)	2025/10/07	NC		%	20
			Total Chromium (Cr)	2025/10/07	NC		%	20
			Total Cobalt (Co)	2025/10/07	3.1		%	20
			Total Copper (Cu)	2025/10/07	17		%	20
			Total Iron (Fe)	2025/10/07	0.33		%	20
			Total Lead (Pb)	2025/10/07	15		%	20
			Total Lithium (Li)	2025/10/07	0.39		%	20
			Total Manganese (Mn)	2025/10/07	0.19		%	20
			Total Molybdenum (Mo)	2025/10/07	0.76		%	20
			Total Nickel (Ni)	2025/10/07	NC		%	20
			Total Phosphorus (P)	2025/10/07	7.4		%	20
			Total Rubidium (Rb)	2025/10/07	0.87		%	20
			Total Selenium (Se)	2025/10/07	NC		%	20
			Total Silicon (Si)	2025/10/07	0.34		%	20
			Total Silver (Ag)	2025/10/07	NC		%	20
			Total Strontium (Sr)	2025/10/07	0.39		%	20
			Total Tellurium (Te)	2025/10/07	NC		%	20
			Total Thallium (Tl)	2025/10/07	16		%	20
			Total Thorium (Th)	2025/10/07	NC		%	20
			Total Tin (Sn)	2025/10/07	NC		%	20
			Total Titanium (Ti)	2025/10/07	NC		%	20
			Total Uranium (U)	2025/10/07	1.3		%	20
			Total Vanadium (V)	2025/10/07	NC		%	20
			Total Zinc (Zn)	2025/10/07	6.6		%	20
			Total Zirconium (Zr)	2025/10/07	NC		%	20
C112975	NKT	Matrix Spike [DUB241-09]	Total Phosphorus (P)	2025/10/07		82	%	N/A
C112975	NKT	Spiked Blank	Total Phosphorus (P)	2025/10/07		112	%	80 - 120
C112975	NKT	Method Blank	Total Phosphorus (P)	2025/10/07	ND, RDL=0.0010		mg/L	
C112975	NKT	RPD [DUB241-09]	Total Phosphorus (P)	2025/10/07	NC		%	20
C113256	CJY	Spiked Blank	Dissolved Fluoride (F)	2025/10/06		97	%	80 - 120
C113256	CJY	Method Blank	Dissolved Fluoride (F)	2025/10/06	ND, RDL=0.050		mg/L	
C113262	CJY	Spiked Blank	Dissolved Fluoride (F)	2025/10/06		98	%	80 - 120
C113262	CJY	Method Blank	Dissolved Fluoride (F)	2025/10/06	ND, RDL=0.050		mg/L	
C113264	ESA	Matrix Spike	Total Dissolved Solids	2025/10/07		102	%	80 - 120
C113264	ESA	Spiked Blank	Total Dissolved Solids	2025/10/07		102	%	80 - 120
C113264	ESA	Method Blank	Total Dissolved Solids	2025/10/07	ND, RDL=10		mg/L	
C113264	ESA	RPD [DUB236-03]	Total Dissolved Solids	2025/10/07	0		%	20
C113376	BB3	Matrix Spike	Total Ammonia (N)	2025/10/07		92	%	80 - 120
C113376	BB3	Spiked Blank	Total Ammonia (N)	2025/10/07		103	%	80 - 120



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C113376	BB3	Method Blank	Total Ammonia (N)	2025/10/07	ND, RDL=0.015		mg/L	
C113376	BB3	RPD	Total Ammonia (N)	2025/10/07	1.4		%	20
C113573	BB3	Matrix Spike	Total Ammonia (N)	2025/10/07		99	%	80 - 120
C113573	BB3	Spiked Blank	Total Ammonia (N)	2025/10/07		104	%	80 - 120
C113573	BB3	Method Blank	Total Ammonia (N)	2025/10/07	ND, RDL=0.015		mg/L	
C113573	BB3	RPD	Total Ammonia (N)	2025/10/07	1.7		%	20
C113988	IC4	Matrix Spike	Total Mercury (Hg)	2025/10/07		100	%	80 - 120
C113988	IC4	Spiked Blank	Total Mercury (Hg)	2025/10/07		97	%	80 - 120
C113988	IC4	Method Blank	Total Mercury (Hg)	2025/10/08	ND, RDL=0.0019		ug/L	
C113988	IC4	RPD	Total Mercury (Hg)	2025/10/07	NC		%	20
C114129	ESA	Matrix Spike	Total Dissolved Solids	2025/10/08		104	%	80 - 120
C114129	ESA	Spiked Blank	Total Dissolved Solids	2025/10/08		98	%	80 - 120
C114129	ESA	Method Blank	Total Dissolved Solids	2025/10/08	ND, RDL=10		mg/L	
C114129	ESA	RPD	Total Dissolved Solids	2025/10/08	NC		%	20
C114179	NGU	Matrix Spike	1,4-Difluorobenzene (sur.)	2025/10/08		99	%	50 - 140
			4-Bromofluorobenzene (sur.)	2025/10/08		96	%	50 - 140
			D4-1,2-Dichloroethane (sur.)	2025/10/08		85	%	50 - 140
			1,1,1,2-tetrachloroethane	2025/10/08		78	%	50 - 140
			1,1,1-trichloroethane	2025/10/08		84	%	50 - 140
			1,1,2,2-tetrachloroethane	2025/10/08		81	%	50 - 140
			1,1,2Trichloro-1,2,2Trifluoroethane	2025/10/08		79	%	50 - 140
			1,1,2-trichloroethane	2025/10/08		76	%	50 - 140
			1,1-dichloroethane	2025/10/08		86	%	50 - 140
			1,1-dichloroethene	2025/10/08		97	%	50 - 140
			1,2,3-trichlorobenzene	2025/10/08		91	%	50 - 140
			1,2,4-trichlorobenzene	2025/10/08		92	%	50 - 140
			1,2-dibromoethane	2025/10/08		80	%	50 - 140
			1,2-dichlorobenzene	2025/10/08		89	%	50 - 140
			1,2-dichloroethane	2025/10/08		77	%	50 - 140
			1,2-dichloropropane	2025/10/08		81	%	50 - 140
			1,3,5-trimethylbenzene	2025/10/08		87	%	50 - 140
			1,3-Butadiene	2025/10/08		70	%	50 - 140
			1,3-dichlorobenzene	2025/10/08		93	%	50 - 140
			1,3-dichloropropane	2025/10/08		77	%	50 - 140
			1,4-dichlorobenzene	2025/10/08		92	%	50 - 140
			Benzene	2025/10/08		83	%	50 - 140
			Bromobenzene	2025/10/08		88	%	50 - 140
			Bromodichloromethane	2025/10/08		76	%	50 - 140
			Bromoform	2025/10/08		77	%	50 - 140
			Bromomethane	2025/10/08		71	%	50 - 140
			Carbon tetrachloride	2025/10/08		81	%	50 - 140
			Chlorobenzene	2025/10/08		83	%	50 - 140
			Dibromochloromethane	2025/10/08		77	%	50 - 140
			Chloroethane	2025/10/08		79	%	50 - 140
			Chloroform	2025/10/08		77	%	50 - 140
			Chloromethane	2025/10/08		76	%	50 - 140
			cis-1,2-dichloroethene	2025/10/08		82	%	50 - 140
			cis-1,3-dichloropropene	2025/10/08		73	%	50 - 140
			Dichlorodifluoromethane	2025/10/08		92	%	50 - 140



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QA/QC	Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
C114179	NGU	Spiked Blank	Dichloromethane	2025/10/08		90	%	50 - 140	
			Ethylbenzene	2025/10/08		87	%	50 - 140	
			Hexachlorobutadiene	2025/10/08		83	%	50 - 140	
			Isopropylbenzene	2025/10/08		73	%	50 - 140	
			Methyl-tert-butylether (MTBE)	2025/10/08		76	%	50 - 140	
			Styrene	2025/10/08		77	%	50 - 140	
			Tetrachloroethene	2025/10/08		80	%	50 - 140	
			Toluene	2025/10/08		82	%	50 - 140	
			trans-1,2-dichloroethene	2025/10/08		89	%	50 - 140	
			trans-1,3-dichloropropene	2025/10/08		62	%	50 - 140	
			Trichloroethene	2025/10/08		80	%	50 - 140	
			Trichlorofluoromethane	2025/10/08		76	%	50 - 140	
			Vinyl chloride	2025/10/08		86	%	50 - 140	
			m & p-Xylene	2025/10/08		97	%	50 - 140	
			o-Xylene	2025/10/08		79	%	50 - 140	
			1,4-Difluorobenzene (sur.)	2025/10/08		101	%	50 - 140	
			4-Bromofluorobenzene (sur.)	2025/10/08		96	%	50 - 140	
			D4-1,2-Dichloroethane (sur.)	2025/10/08		85	%	50 - 140	
			VH C6-C10	2025/10/08		101	%	70 - 130	
			1,1,1,2-tetrachloroethane	2025/10/08		77	%	60 - 130	
			1,1,1-trichloroethane	2025/10/08		84	%	60 - 130	
			1,1,2,2-tetrachloroethane	2025/10/08		78	%	60 - 130	
			1,1,2Trichloro-1,2,2Trifluoroethane	2025/10/08		79	%	60 - 130	
			1,1,2-trichloroethane	2025/10/08		73	%	60 - 130	
			1,1-dichloroethane	2025/10/08		86	%	60 - 130	
			1,1-dichloroethene	2025/10/08		97	%	60 - 130	
			1,2,3-trichlorobenzene	2025/10/08		90	%	60 - 130	
			1,2,4-trichlorobenzene	2025/10/08		89	%	60 - 130	
			1,2-dibromoethane	2025/10/08		79	%	60 - 130	
			1,2-dichlorobenzene	2025/10/08		86	%	60 - 130	
			1,2-dichloroethane	2025/10/08		76	%	60 - 130	
			1,2-dichloropropane	2025/10/08		80	%	60 - 130	
			1,3,5-trimethylbenzene	2025/10/08		87	%	60 - 130	
			1,3-Butadiene	2025/10/08		71	%	50 - 140	
			1,3-dichlorobenzene	2025/10/08		91	%	60 - 130	
			1,3-dichloropropane	2025/10/08		74	%	60 - 130	
			1,4-dichlorobenzene	2025/10/08		90	%	60 - 130	
			Benzene	2025/10/08		85	%	60 - 130	
			Bromobenzene	2025/10/08		86	%	60 - 130	
			Bromodichloromethane	2025/10/08		76	%	60 - 130	
			Bromoform	2025/10/08		74	%	60 - 130	
			Bromomethane	2025/10/08		74	%	50 - 140	
			Carbon tetrachloride	2025/10/08		81	%	60 - 130	
			Chlorobenzene	2025/10/08		83	%	60 - 130	
			Dibromochloromethane	2025/10/08		76	%	60 - 130	
			Chloroethane	2025/10/08		84	%	50 - 140	
			Chloroform	2025/10/08		77	%	60 - 130	
			Chloromethane	2025/10/08		75	%	50 - 140	
			cis-1,2-dichloroethene	2025/10/08		82	%	60 - 130	
			cis-1,3-dichloropropene	2025/10/08		77	%	50 - 140	
			Dichlorodifluoromethane	2025/10/08		92	%	50 - 140	
			Dichloromethane	2025/10/08		90	%	60 - 130	
			Ethylbenzene	2025/10/08		87	%	60 - 130	



QUALITY ASSURANCE REPORT(CONT'D)

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
C114179	NGU	Method Blank	Hexachlorobutadiene	2025/10/08		82	%	60 - 130
			Isopropylbenzene	2025/10/08		73	%	60 - 130
			Methyl-tert-butylether (MTBE)	2025/10/08		77	%	60 - 130
			Styrene	2025/10/08		77	%	60 - 130
			Tetrachloroethene	2025/10/08		81	%	60 - 130
			Toluene	2025/10/08		83	%	60 - 130
			trans-1,2-dichloroethene	2025/10/08		89	%	60 - 130
			trans-1,3-dichloropropene	2025/10/08		66	%	50 - 140
			Trichloroethene	2025/10/08		81	%	60 - 130
			Trichlorofluoromethane	2025/10/08		77	%	60 - 130
			Vinyl chloride	2025/10/08		85	%	50 - 140
			m & p-Xylene	2025/10/08		97	%	60 - 130
			o-Xylene	2025/10/08		80	%	60 - 130
			1,4-Difluorobenzene (sur.)	2025/10/08		102	%	50 - 140
			4-Bromofluorobenzene (sur.)	2025/10/08		79	%	50 - 140
			D4-1,2-Dichloroethane (sur.)	2025/10/08		89	%	50 - 140
			VH C6-C10	2025/10/08	ND, RDL=300		ug/L	
			1,1,1,2-tetrachloroethane	2025/10/08	ND, RDL=0.50		ug/L	
			1,1,1-trichloroethane	2025/10/08	ND, RDL=0.50		ug/L	
			1,1,2,2-tetrachloroethane	2025/10/08	ND, RDL=0.50		ug/L	
			1,1,2Trichloro-1,2,2Trifluoroethane	2025/10/08	ND, RDL=2.0		ug/L	
			1,1,2-trichloroethane	2025/10/08	ND, RDL=0.50		ug/L	
			1,1-dichloroethane	2025/10/08	ND, RDL=0.50		ug/L	
			1,1-dichloroethene	2025/10/08	ND, RDL=0.50		ug/L	
			1,2,3-trichlorobenzene	2025/10/08	ND, RDL=2.0		ug/L	
			1,2,4-trichlorobenzene	2025/10/08	ND, RDL=2.0		ug/L	
			1,2-dibromoethane	2025/10/08	ND, RDL=0.20		ug/L	
			1,2-dichlorobenzene	2025/10/08	ND, RDL=0.50		ug/L	
			1,2-dichloroethane	2025/10/08	ND, RDL=0.50		ug/L	
			1,2-dichloropropane	2025/10/08	ND, RDL=0.50		ug/L	
			1,3,5-trimethylbenzene	2025/10/08	ND, RDL=2.0		ug/L	
			1,3-Butadiene	2025/10/08	ND, RDL=0.50		ug/L	
			1,3-dichlorobenzene	2025/10/08	ND, RDL=0.50		ug/L	
			1,3-dichloropropane	2025/10/08	ND, RDL=1.0		ug/L	
			1,4-dichlorobenzene	2025/10/08	ND, RDL=0.50		ug/L	



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QUALITY ASSURANCE REPORT(CONT'D)

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
			Benzene	2025/10/08	ND, RDL=0.40		ug/L	
			Bromobenzene	2025/10/08	ND, RDL=2.0		ug/L	
			Bromodichloromethane	2025/10/08	ND, RDL=1.0		ug/L	
			Bromoform	2025/10/08	ND, RDL=1.0		ug/L	
			Bromomethane	2025/10/08	ND, RDL=1.0		ug/L	
			Carbon tetrachloride	2025/10/08	ND, RDL=0.50		ug/L	
			Chlorobenzene	2025/10/08	ND, RDL=0.50		ug/L	
			Dibromochloromethane	2025/10/08	ND, RDL=1.0		ug/L	
			Chloroethane	2025/10/08	ND, RDL=1.0		ug/L	
			Chloroform	2025/10/08	ND, RDL=1.0		ug/L	
			Chloromethane	2025/10/08	ND, RDL=1.0		ug/L	
			cis-1,2-dichloroethene	2025/10/08	ND, RDL=1.0		ug/L	
			cis-1,3-dichloropropene	2025/10/08	ND, RDL=1.0		ug/L	
			Dichlorodifluoromethane	2025/10/08	ND, RDL=2.0		ug/L	
			Dichloromethane	2025/10/08	ND, RDL=2.0		ug/L	
			Ethylbenzene	2025/10/08	ND, RDL=0.40		ug/L	
			Hexachlorobutadiene	2025/10/08	ND, RDL=0.50		ug/L	
			Isopropylbenzene	2025/10/08	ND, RDL=2.0		ug/L	
			Methyl-tert-butylether (MTBE)	2025/10/08	ND, RDL=4.0		ug/L	
			Styrene	2025/10/08	ND, RDL=0.50		ug/L	
			Tetrachloroethene	2025/10/08	ND, RDL=0.50		ug/L	
			Toluene	2025/10/08	ND, RDL=0.40		ug/L	
			trans-1,2-dichloroethene	2025/10/08	ND, RDL=1.0		ug/L	
			trans-1,3-dichloropropene	2025/10/08	ND, RDL=1.0		ug/L	
			Trichloroethene	2025/10/08	ND, RDL=0.50		ug/L	
			Trichlorofluoromethane	2025/10/08	ND, RDL=4.0		ug/L	
			Vinyl chloride	2025/10/08	ND, RDL=0.50		ug/L	



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QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
C114179	NGU	RPD	m & p-Xylene	2025/10/08	ND, RDL=0.40		ug/L	
			o-Xylene	2025/10/08	ND, RDL=0.40		ug/L	
			Xylenes (Total)	2025/10/08	ND, RDL=0.40		ug/L	
			Bromodichloromethane	2025/10/08	NC		%	30
C114368	AAX	Matrix Spike	Bromoform	2025/10/08	NC		%	30
			Dibromochloromethane	2025/10/08	NC		%	30
			Chloroform	2025/10/08	0.93		%	30
			Methyl Sulfone (sur.)	2025/10/08		99	%	50 - 140
C114368	AAX	Spiked Blank	Ethylene Glycol	2025/10/08		93	%	60 - 140
			Diethylene Glycol	2025/10/08		113	%	60 - 140
			Triethylene Glycol	2025/10/08		103	%	60 - 140
			Propylene Glycol	2025/10/08		100	%	60 - 140
C114368	AAX	Method Blank	Methyl Sulfone (sur.)	2025/10/08		102	%	50 - 140
			Ethylene Glycol	2025/10/08		98	%	70 - 130
			Diethylene Glycol	2025/10/08		115	%	70 - 130
			Triethylene Glycol	2025/10/08		108	%	70 - 130
C114368	AAX	Method Blank	Propylene Glycol	2025/10/08		101	%	70 - 130
			Methyl Sulfone (sur.)	2025/10/08		99	%	50 - 140
			Ethylene Glycol	2025/10/08	ND, RDL=3.0		mg/L	
			Diethylene Glycol	2025/10/08	ND, RDL=5.0		mg/L	
C114368	AAX	RPD	Triethylene Glycol	2025/10/08	ND, RDL=5.0		mg/L	
			Propylene Glycol	2025/10/08	ND, RDL=5.0		mg/L	
			Ethylene Glycol	2025/10/08	NC		%	30
			Diethylene Glycol	2025/10/08	NC		%	30
C114371	IC4	Matrix Spike	Triethylene Glycol	2025/10/08	NC		%	30
			Propylene Glycol	2025/10/08	NC		%	30
			Dissolved Mercury (Hg)	2025/10/08		96	%	80 - 120
			Dissolved Mercury (Hg)	2025/10/08		99	%	80 - 120
C114371	IC4	Method Blank	Dissolved Mercury (Hg)	2025/10/08	ND, RDL=0.0019		ug/L	
C114371	IC4	RPD	Dissolved Mercury (Hg)	2025/10/08	5.4		%	20
C115439	ABV	Spiked Blank	D10-ANTHRACENE (sur.)	2025/10/08		100	%	50 - 140
			D8-ACENAPHTHYLENE (sur.)	2025/10/08		99	%	50 - 140
			D8-NAPHTHALENE (sur.)	2025/10/08		87	%	50 - 140
			TERPHENYL-D14 (sur.)	2025/10/08		100	%	50 - 140
			Quinoline	2025/10/08		99	%	50 - 140
			Naphthalene	2025/10/08		83	%	50 - 140
			1-Methylnaphthalene	2025/10/08		88	%	50 - 140
			2-Methylnaphthalene	2025/10/08		85	%	50 - 140
			Acenaphthylene	2025/10/08		91	%	50 - 140
			Acenaphthene	2025/10/08		90	%	50 - 140
			Fluorene	2025/10/08		90	%	50 - 140
			Phenanthrene	2025/10/08		84	%	50 - 140
			Anthracene	2025/10/08		86	%	50 - 140
			Acridine	2025/10/08		86	%	50 - 140
			Fluoranthene	2025/10/08		98	%	50 - 140



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QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
C115439	ABV	Method Blank	Pyrene	2025/10/08		99	%	50 - 140
			Benzo(a)anthracene	2025/10/08		100	%	50 - 140
			Chrysene	2025/10/08		104	%	50 - 140
			Benzo(b&j)fluoranthene	2025/10/08		98	%	50 - 140
			Benzo(k)fluoranthene	2025/10/08		105	%	50 - 140
			Benzo(a)pyrene	2025/10/08		99	%	50 - 140
			Indeno(1,2,3-cd)pyrene	2025/10/08		97	%	50 - 140
			Dibenz(a,h)anthracene	2025/10/08		97	%	50 - 140
			Benzo(g,h,i)perylene	2025/10/08		96	%	50 - 140
			D10-ANTHRACENE (sur.)	2025/10/08		104	%	50 - 140
			D8-ACENAPHTHYLENE (sur.)	2025/10/08		99	%	50 - 140
			D8-NAPHTHALENE (sur.)	2025/10/08		82	%	50 - 140
			TERPHENYL-D14 (sur.)	2025/10/08		104	%	50 - 140
			Quinoline	2025/10/08	ND, RDL=0.020		ug/L	
			Naphthalene	2025/10/08	ND, RDL=0.10		ug/L	
			1-Methylnaphthalene	2025/10/08	ND, RDL=0.050		ug/L	
			2-Methylnaphthalene	2025/10/08	ND, RDL=0.10		ug/L	
			Acenaphthylene	2025/10/08	ND, RDL=0.050		ug/L	
			Acenaphthene	2025/10/08	ND, RDL=0.050		ug/L	
			Fluorene	2025/10/08	ND, RDL=0.050		ug/L	
			Phenanthrene	2025/10/08	ND, RDL=0.050		ug/L	
			Anthracene	2025/10/08	ND, RDL=0.010		ug/L	
			Acridine	2025/10/08	ND, RDL=0.050		ug/L	
			Fluoranthene	2025/10/08	ND, RDL=0.020		ug/L	
			Pyrene	2025/10/08	ND, RDL=0.020		ug/L	
			Benzo(a)anthracene	2025/10/08	ND, RDL=0.010		ug/L	
			Chrysene	2025/10/08	ND, RDL=0.020		ug/L	
			Benzo(b&j)fluoranthene	2025/10/08	ND, RDL=0.030		ug/L	
			Benzo(k)fluoranthene	2025/10/08	ND, RDL=0.050		ug/L	
			Benzo(a)pyrene	2025/10/08	ND, RDL=0.0050		ug/L	
			Indeno(1,2,3-cd)pyrene	2025/10/08	ND, RDL=0.050		ug/L	
			Dibenz(a,h)anthracene	2025/10/08	ND, RDL=0.0030		ug/L	
			Benzo(g,h,i)perylene	2025/10/08	ND, RDL=0.050		ug/L	
C115439	ABV	RPD	Quinoline	2025/10/08	NC		%	40



QUALITY ASSURANCE REPORT(CONT'D)

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
C115442	IT1	Spiked Blank	Naphthalene	2025/10/08	1.2		%	40
			1-Methylnaphthalene	2025/10/08	0.69		%	40
			2-Methylnaphthalene	2025/10/08	1.0		%	40
			Acenaphthylene	2025/10/08	NC		%	40
			Acenaphthene	2025/10/08	0.53		%	40
			Fluorene	2025/10/08	1.4		%	40
			Phenanthrene	2025/10/08	0.98		%	40
			Anthracene	2025/10/08	NC		%	40
			Acridine	2025/10/08	NC		%	40
			Fluoranthene	2025/10/08	NC		%	40
			Pyrene	2025/10/08	3.6		%	40
			Benzo(a)anthracene	2025/10/08	NC		%	40
			Chrysene	2025/10/08	6.1		%	40
			Benzo(b&j)fluoranthene	2025/10/08	NC		%	40
			Benzo(k)fluoranthene	2025/10/08	NC		%	40
			Benzo(a)pyrene	2025/10/08	NC		%	40
			Indeno(1,2,3-cd)pyrene	2025/10/08	NC		%	40
			Dibenz(a,h)anthracene	2025/10/08	NC		%	40
			Benzo(g,h,i)perylene	2025/10/08	NC		%	40
			O-TERPHENYL (sur.)	2025/10/08		106	%	60 - 140
C115442	IT1	Method Blank	EPH (C10-C19)	2025/10/08		99	%	70 - 130
			EPH (C19-C32)	2025/10/08		106	%	70 - 130
			O-TERPHENYL (sur.)	2025/10/08		103	%	60 - 140
			EPH (C10-C19)	2025/10/08	ND, RDL=0.20		mg/L	
C115445	NJD	Matrix Spike [DUB236-12]	Total Sulphide	2025/10/08		105	%	80 - 120
			Total Sulphide	2025/10/08		97	%	80 - 120
			Total Sulphide	2025/10/08	ND, RDL=0.0018		mg/L	
C115445	NJD	RPD [DUB241-12]	Total Sulphide	2025/10/08	NC		%	20
C116049	ESA	Matrix Spike [DUB241-01]	Total Suspended Solids	2025/10/09		103	%	80 - 120
C116049	ESA	Spiked Blank	Total Suspended Solids	2025/10/09		104	%	80 - 120
C116049	ESA	Method Blank	Total Suspended Solids	2025/10/09	ND, RDL=1.0		mg/L	
C116049	ESA	RPD [DUB240-01]	Total Suspended Solids	2025/10/09	NC		%	20
C116414	MDO	Matrix Spike	Phenols	2025/10/08		107	%	80 - 120
C116414	MDO	Spiked Blank	Phenols	2025/10/08		105	%	80 - 120
C116414	MDO	Method Blank	Phenols	2025/10/08	ND, RDL=0.0015		mg/L	



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QA/QC									
Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits	
C116414	MDO	RPD	Phenols	2025/10/08	NC		%	20	
N/A = Not Applicable									
Duplicate: Paired analysis of a separate portion of the same sample. Used to evaluate the variance in the measurement.									
Matrix Spike: A sample to which a known amount of the analyte of interest has been added. Used to evaluate sample matrix interference.									
Spiked Blank: A blank matrix sample to which a known amount of the analyte, usually from a second source, has been added. Used to evaluate method accuracy.									
Method Blank: A blank matrix containing all reagents used in the analytical procedure. Used to identify laboratory contamination.									
Surrogate: A pure or isotopically labeled compound whose behavior mirrors the analytes of interest. Used to evaluate extraction efficiency.									
NC (Matrix Spike): The recovery in the matrix spike was not calculated. The relative difference between the concentration in the parent sample and the spike amount was too small to permit a reliable recovery calculation (matrix spike concentration was less than the native sample concentration)									
NC (Duplicate RPD): The duplicate RPD was not calculated. The concentration in the sample and/or duplicate was too low to permit a reliable RPD calculation (absolute difference <= 2x RDL).									
(1) Recovery or RPD for this parameter is outside control limits. The overall quality control for this analysis meets acceptability criteria.									



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VALIDATION SIGNATURE PAGE

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

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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.



Hatfield Consultants

ECOC: W114849

COR FCD-00265 / 6
Page ___ of ___

ADDITIONAL COOLER TEMPERATURE RECORD

CHAIN-OF-CUSTODY RECORD

NO COC

COOLER OBSERVATIONS:										BY RECEIPT#:																																																																			
1 <table><tr><td>CUSTODY SEAL</td><td>YES</td><td>NO</td><td>COOLER ID</td></tr><tr><td>PRESENT</td><td></td><td></td><td></td></tr><tr><td>INTACT</td><td></td><td></td><td></td></tr><tr><td>ICE PRESENT</td><td></td><td></td><td></td></tr></table>										CUSTODY SEAL	YES	NO	COOLER ID	PRESENT				INTACT				ICE PRESENT				11 <table><tr><td>CUSTODY SEAL</td><td>YES</td><td>NO</td><td>COOLER ID</td></tr><tr><td>PRESENT</td><td></td><td></td><td></td></tr><tr><td>INTACT</td><td></td><td></td><td></td></tr><tr><td>ICE PRESENT</td><td></td><td></td><td></td></tr></table>										CUSTODY SEAL	YES	NO	COOLER ID	PRESENT				INTACT				ICE PRESENT				21 <table><tr><td>CUSTODY SEAL</td><td>YES</td><td>NO</td><td>COOLER ID</td></tr><tr><td>PRESENT</td><td></td><td></td><td></td></tr><tr><td>INTACT</td><td></td><td></td><td></td></tr><tr><td>ICE PRESENT</td><td></td><td></td><td></td></tr></table>										CUSTODY SEAL	YES	NO	COOLER ID	PRESENT				INTACT				ICE PRESENT			
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MVAN-2025-10-086

RECEIVED BY (SIGN & PRINT)	DATE (YYYY/MM/DD)	TIME (HH:MM)
<i>Emmanuel Salido</i>	2025/10/01	17:00

If Custody seal condition and presence of ice is the same for all, use these boxes:	CUSTODY SEAL	YES	NO
	PRESENT		
	INTACT		



Bureau Veritas
4606 Canada Way, Burnaby, British Columbia Canada V5G 1K5 Tel: (604) 734 7276 Toll-free 800-563-6265 Fax: (604) 731 2385 www.bvna.com

Page 1 of 1

Invoice To:		Report Information		Project Information	
Company Name	#12239 Fortis BC Energy Inc	Company Name	#50473 HATFIELD CONSULTANTS	Quotation #	C50083
Contact Name	Accounts Payable	Contact Name	Saresh Mangwani	P.O. #	4800010213
Address	16705 Fraser Hwy Surrey BC V4N 0E8	Address	200-850 Harbourside Dr North Vancouver BC V7P 0A3	Project #	FORTIS11234/PE-110163
Phone	(604) 790-4361	Phone	(604) 926-3261	Project Name	
Email	invoices@fortisbc.com	Email	smangwani@hatfieldgroup.com	Site #	
				Sampled By	


C582800_INTERNAL

Chain Of Custody Record

Project Manager

Levi Manchuk

Regulatory Criteria:		Special Instructions	ANALYSIS REQUESTED (PLEASE BE SPECIFIC)										Turnaround Time (TAT) Required:		
☐ CSR															
☐ CCME															
☐ BC Water Quality															
☐ Other															

SAMPLES MUST BE KEPT COOL (< 10°C) FROM TIME OF SAMPLING UNTIL DELIVERY TO BUREAU VERITAS

Sample Barcode Label	Sample (Location) Identification	Date Sampled	Time Sampled	Matrix	Metals Field Filtered ? (Y/N)	Woodfibre Additional 2025	Woodfibre 2025	Woodfibre Blank 2025							
1						X									
2						X									
3	SI06394275	WLNG-EOP					X								
4	SI06394276	WLNG-DS					X								
5	SI06394277	WLNG-US					X								
6	SI06394278	SQRI-DS					X								
7	SI06394279	SQRI-US					X								
8		TRIP BLANK						X							
9		FIELD BLANK						X							
10															

RELINQUISHED BY: (Signature/Print)		Date: (YY/MM/DD)	Time	RECEIVED BY: (Signature/Print)		Date: (YY/MM/DD)	Time	# jars used and not submitted	Lab Use Only	
									Time Sensitive	Temperature (°C) on Receipt
										Custody Seal Intact on Cooler?
										Yes No

UNLESS OTHERWISE AGREED TO IN WRITING, WORK SUBMITTED ON THIS CHAIN OF CUSTODY IS SUBJECT TO BUREAU VERITAS'S STANDARD TERMS AND CONDITIONS. SIGNING OF THIS CHAIN OF CUSTODY DOCUMENT IS ACKNOWLEDGMENT AND ACCEPTANCE OF OUR TERMS WHICH ARE AVAILABLE FOR VIEWING AT WWW.BVNA.COM/ENVIRONMENTAL-LABORATORIES/RESOURCES/ICOC-TERMS-AND-CONDITIONS.

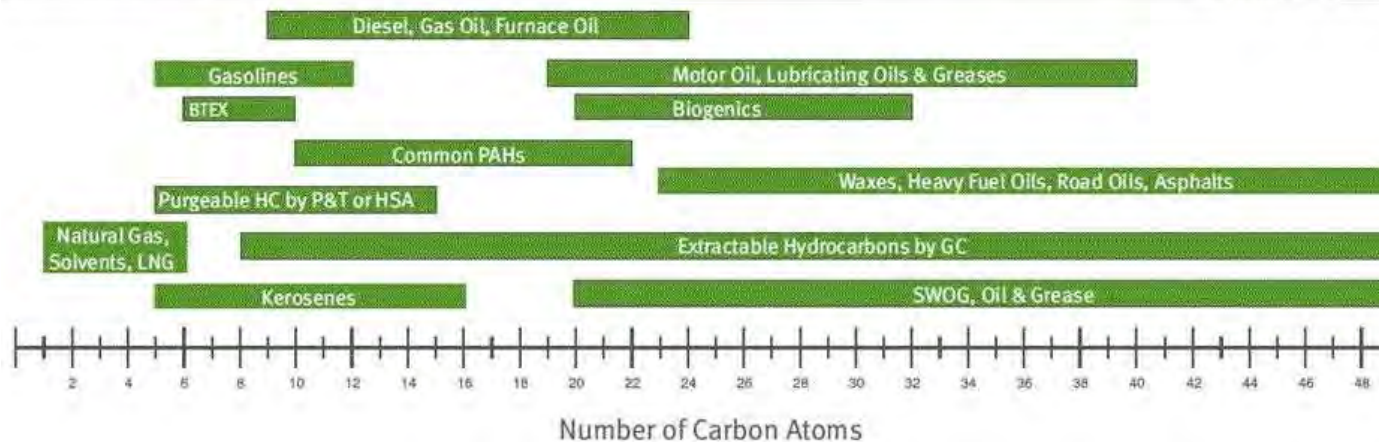
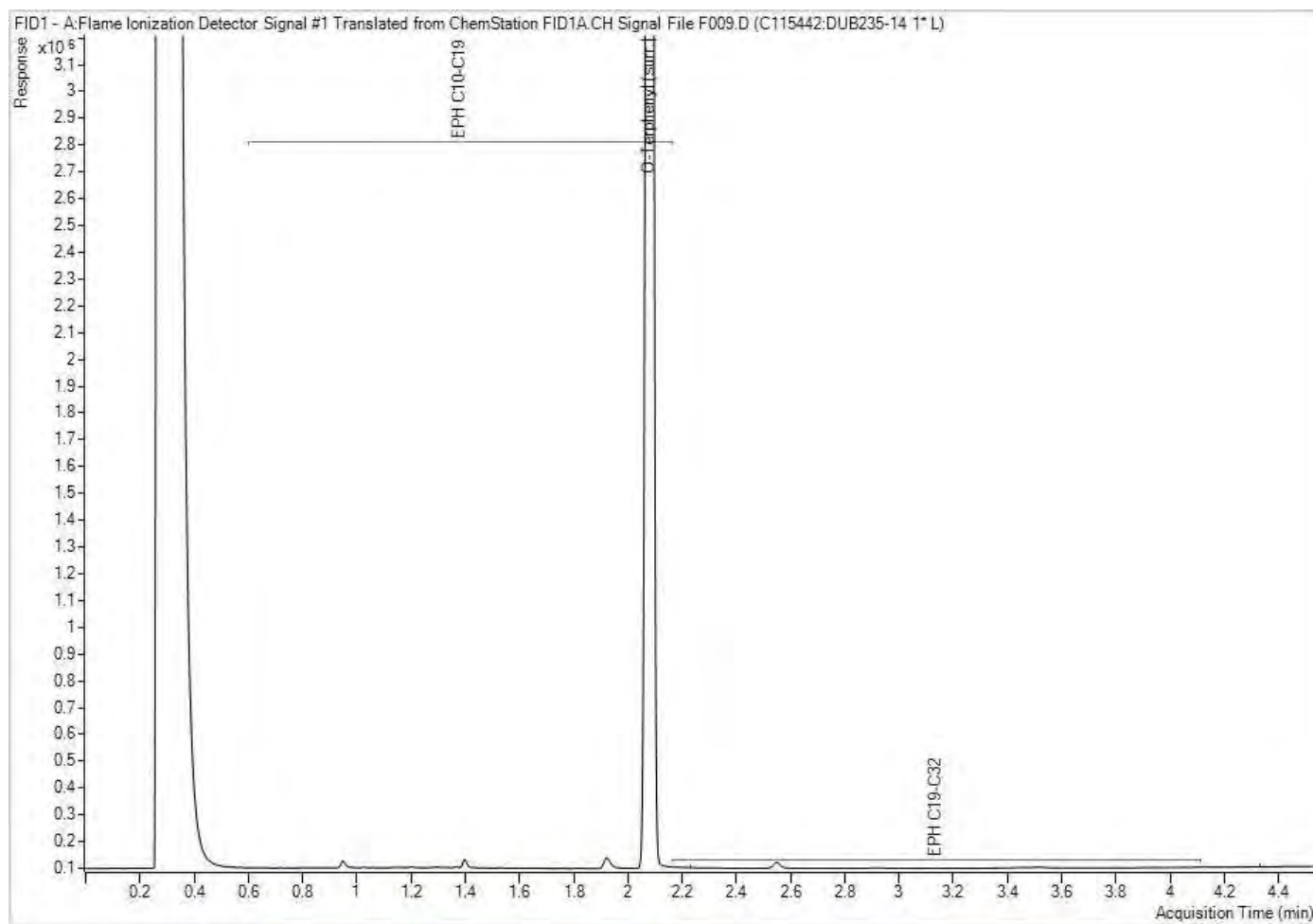
IT IS THE RESPONSIBILITY OF THE RELINQUISHER TO ENSURE THE ACCURACY OF THE CHAIN OF CUSTODY RECORD. AN INCOMPLETE CHAIN OF CUSTODY MAY RESULT IN ANALYTICAL TAT DELAYS.

Write: Bureau Veritas Yellow Client

Bureau Veritas Canada (2019) Inc.

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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.

CERTIFICATE OF ANALYSIS

Work Order	: VA25C5300	Laboratory	: ALS Environmental - Vancouver
Amendment	: 3	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	: 24-Sep-2025 21:10
Project	: EGP 150	Date Analysis Commenced	: 24-Sep-2025
PO	: ----	Issue Date	: 02-Oct-2025 22:01
C-O-C number	: 23-1085359		
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>
Dan Gebert	Supervisor - Metals Mercury & Speciation	Metals, Burnaby, British Columbia
Daniela Ruiz	Account Manager Assistant	Administration, Burnaby, British Columbia
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Hyunduck Suk	Analyst- General	Inorganics, Burnaby, British Columbia
James Diacon	Lab Analyst	Inorganics, Edmonton, Alberta
Kimia Taheri	Lab Assistant	Metals, Burnaby, British Columbia
Monica Ko	Supervisor - Inorganic	Inorganics, Burnaby, British Columbia
Owen Cheng		Metals, Burnaby, British Columbia
Paul Cushing	Team Leader - Organics	Organics, 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).

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

<: less than.

>: greater than.

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

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

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

Workorder Comments

Amendment 1 (29/09/2025): This report has been amended and re-released to allow the reporting of additional analytical data.

Amendment 2 (01/10/2025): This report has been amended and re-released to allow the reporting of additional analytical data. Anions and LEPH/HEPH + EPH + PAH are now reported.

Amendment 3 (02/10/2025): This report has been amended and re-released to allow the reporting of additional analytical data. Glycols and Total organic carbon are now reported.

Sample Comments

Sample	Client Id	Comment
VA25C5300-001	WTP	Water sample(s) for total mercury analysis was not submitted in glass or PTFE container with HCl preservative. Results may be biased low. Water sample(s) for dissolved mercury analysis was not submitted in glass or PTFE container with HCl preservative. Results may be biased low.



Qualifiers

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



Analytical Results

Sub-Matrix: Water

(Matrix: Water)

Client sample ID					WTP	----	----	----	----
Client sampling date / time					24-Sep-2025 16:35	----	----	----	----
Analyte	CAS Number	Method/Lab	LOR	Unit	VA25C5300-001	----	----	----	----
					ResultMU	----	----	----	----
Field Tests									
pH, field	----	EF001/VA	0.10	pH units	7.50	----	----	----	----
Temperature, field	----	EF001/VA	0.10	°C	20.0	----	----	----	----
Sample Preparation									
Dissolved carbon filtration location	----	EP358/VA	-	-	lab	----	----	----	----
Physical Tests									
Alkalinity, bicarbonate (as CaCO ₃)	----	E290/VA	2.0	mg/L	35.6	----	----	----	----
Alkalinity, carbonate (as CaCO ₃)	----	E290/VA	2.0	mg/L	<2.0	----	----	----	----
Alkalinity, hydroxide (as CaCO ₃)	----	E290/VA	2.0	mg/L	<2.0	----	----	----	----
Alkalinity, phenolphthalein (as CaCO ₃)	----	E290/VA	2.0	mg/L	<2.0	----	----	----	----
Alkalinity, total (as CaCO ₃)	----	E290/VA	2.0	mg/L	35.6	----	----	----	----
Conductivity	----	E100/VA	2.0	µS/cm	431	----	----	----	----
Hardness (as CaCO ₃), dissolved	----	EC100/VA	0.60	mg/L	3.92	----	----	----	----
Hardness (as CaCO ₃), from total Ca/Mg	----	EC100A/VA	0.60	mg/L	3.91	----	----	----	----
Oxidation-reduction potential [ORP]	----	E125/VA	0.10	mV	227	----	----	----	----
pH	----	E108/VA	0.10	pH units	7.65	----	----	----	----
Solids, total dissolved [TDS]	----	E162/VA	10	mg/L	240	----	----	----	----
Solids, total suspended [TSS]	----	E160/VA	3.0	mg/L	<3.0	----	----	----	----
Turbidity	----	E121/VA	0.10	NTU	0.40	----	----	----	----
Anions and Nutrients									
Ammonia, total (as N)	7664-41-7	E298/VA	0.0050	mg/L	0.0519	----	----	----	----
Ammonium (as NH ₄), field	14798-03-9	EC298A/VA	0.0010	mg/L	0.0660	----	----	----	----



Analytical Results

Sub-Matrix: Water

(Matrix: Water)

					Client sample ID	WTP				
					Client sampling date / time	24-Sep-2025 16:35				
Analyte	CAS Number	Method/Lab	LOR	Unit	VA25C5300-001					
					ResultMU					
Anions and Nutrients										
Bromide	24959-67-9	E235.Br-L/VA	0.050	mg/L	0.313					
Chloride	16887-00-6	E235.Cl/VA	0.50	mg/L	101					
Fluoride	16984-48-8	E235.F/VA	0.020	mg/L	0.275					
Nitrate (as N)	14797-55-8	E235.NO3-L/VA	0.0050	mg/L	0.102					
Nitrite (as N)	14797-65-0	E235.NO2-L/VA	0.0010	mg/L	0.0057					
Sulfate (as SO4)	14808-79-8	E235.SO4/VA	0.30	mg/L	10.0					
Organic / Inorganic Carbon										
Carbon, dissolved organic [DOC]	---	E358-L/VA	0.50	mg/L	1.36					
Carbon, total organic [TOC]	---	E355-L/VA	0.50	mg/L	1.76					
Total Metals										
Aluminum, total	7429-90-5	E420/VA	0.0030	mg/L	0.0257					
Antimony, total	7440-36-0	E420/VA	0.00010	mg/L	0.00030					
Arsenic, total	7440-38-2	E420/VA	0.00010	mg/L	0.00039					
Barium, total	7440-39-3	E420/VA	0.00010	mg/L	0.00127					
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	0.032					
Cadmium, total	7440-43-9	E420/VA	0.0000050	mg/L	<0.0000150 DLM					
Calcium, total	7440-70-2	E420/VA	0.050	mg/L	0.953					
Cesium, total	7440-46-2	E420/VA	0.000010	mg/L	0.000046					
Chromium, total	7440-47-3	E420/VA	0.00050	mg/L	<0.00050					



Analytical Results

Sub-Matrix: Water

(Matrix: Water)

					Client sample ID	WTP	----	----	----	----
					Client sampling date / time	24-Sep-2025 16:35	----	----	----	----
Analyte	CAS Number	Method/Lab	LOR	Unit	VA25C5300-001	ResultMU	----	----	----	----
Total Metals										
Cobalt, total	7440-48-4	E420/VA	0.00010	mg/L	<0.00010	----	----	----	----	----
Copper, total	7440-50-8	E420/VA	0.00050	mg/L	0.00094	----	----	----	----	----
Iron, total	7439-89-6	E420/VA	0.010	mg/L	0.060	----	----	----	----	----
Lead, total	7439-92-1	E420/VA	0.000050	mg/L	<0.000050	----	----	----	----	----
Lithium, total	7439-93-2	E420/VA	0.0010	mg/L	0.0013	----	----	----	----	----
Magnesium, total	7439-95-4	E420/VA	0.0050	mg/L	0.372	----	----	----	----	----
Manganese, total	7439-96-5	E420/VA	0.00010	mg/L	0.00044	----	----	----	----	----
Mercury, total	7439-97-6	E508/VA	0.0000050	mg/L	<0.0000050	----	----	----	----	----
Molybdenum, total	7439-98-7	E420/VA	0.000050	mg/L	0.0572	----	----	----	----	----
Nickel, total	7440-02-0	E420/VA	0.00050	mg/L	0.00067	----	----	----	----	----
Phosphorus, total	7723-14-0	E420/VA	0.050	mg/L	0.095	----	----	----	----	----
Potassium, total	7440-09-7	E420/VA	0.050	mg/L	5.54	----	----	----	----	----
Rubidium, total	7440-17-7	E420/VA	0.00020	mg/L	0.00179	----	----	----	----	----
Selenium, total	7782-49-2	E420/VA	0.000050	mg/L	<0.000050	----	----	----	----	----
Silicon, total	7440-21-3	E420/VA	0.10	mg/L	7.94	----	----	----	----	----
Silver, total	7440-22-4	E420/VA	0.000010	mg/L	<0.000010	----	----	----	----	----
Sodium, total	7440-23-5	E420/VA	0.050	mg/L	85.1	----	----	----	----	----
Strontium, total	7440-24-6	E420/VA	0.00020	mg/L	0.0119	----	----	----	----	----
Sulfur, total	7704-34-9	E420/VA	0.50	mg/L	3.83	----	----	----	----	----
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	----	----	----	----	----



Analytical Results

Sub-Matrix: Water

(Matrix: Water)

					Client sample ID	WTP	----	----	----	----
					Client sampling date / time	24-Sep-2025 16:35	----	----	----	----
Analyte	CAS Number	Method/Lab	LOR	Unit	VA25C5300-001	ResultMU	----	----	----	----
Total Metals										
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	0.00030	----	----	----	----	----
Uranium, total	7440-61-1	E420/VA	0.000010	mg/L	<0.000010	----	----	----	----	----
Vanadium, total	7440-62-2	E420/VA	0.00050	mg/L	0.00520	----	----	----	----	----
Zinc, total	7440-66-6	E420/VA	0.0030	mg/L	0.0064	----	----	----	----	----
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	0.0257	----	----	----	----	----
Antimony, dissolved	7440-36-0	E421/VA	0.00010	mg/L	0.00030	----	----	----	----	----
Arsenic, dissolved	7440-38-2	E421/VA	0.00010	mg/L	0.00041	----	----	----	----	----
Barium, dissolved	7440-39-3	E421/VA	0.00010	mg/L	0.00132	----	----	----	----	----
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	0.032	----	----	----	----	----
Cadmium, dissolved	7440-43-9	E421/VA	0.0000050	mg/L	<0.0000150 ^{DLM}	----	----	----	----	----
Calcium, dissolved	7440-70-2	E421/VA	0.050	mg/L	0.958	----	----	----	----	----
Cesium, dissolved	7440-46-2	E421/VA	0.000010	mg/L	0.000045	----	----	----	----	----
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	----	----	----	----	----



Analytical Results

Sub-Matrix: Water

(Matrix: Water)

					Client sample ID	WTP	----	----	----	----
					Client sampling date / time	24-Sep-2025 16:35	----	----	----	----
Analyte	CAS Number	Method/Lab	LOR	Unit	VA25C5300-001	ResultMU	----	----	----	----
Dissolved Metals										
Copper, dissolved	7440-50-8	E421/VA	0.00020	mg/L	0.00089	----	----	----	----	----
Iron, dissolved	7439-89-6	E421/VA	0.010	mg/L	0.052	----	----	----	----	----
Lead, dissolved	7439-92-1	E421/VA	0.000050	mg/L	<0.000050	----	----	----	----	----
Lithium, dissolved	7439-93-2	E421/VA	0.0010	mg/L	0.0014	----	----	----	----	----
Magnesium, dissolved	7439-95-4	E421/VA	0.0050	mg/L	0.370	----	----	----	----	----
Manganese, dissolved	7439-96-5	E421/VA	0.00010	mg/L	0.00038	----	----	----	----	----
Mercury, dissolved	7439-97-6	E509/VA	0.0000050	mg/L	<0.0000050	----	----	----	----	----
Molybdenum, dissolved	7439-98-7	E421/VA	0.000050	mg/L	0.0586	----	----	----	----	----
Nickel, dissolved	7440-02-0	E421/VA	0.00050	mg/L	0.00062	----	----	----	----	----
Phosphorus, dissolved	7723-14-0	E421/VA	0.050	mg/L	0.077	----	----	----	----	----
Potassium, dissolved	7440-09-7	E421/VA	0.050	mg/L	5.75	----	----	----	----	----
Rubidium, dissolved	7440-17-7	E421/VA	0.00020	mg/L	0.00177	----	----	----	----	----
Selenium, dissolved	7782-49-2	E421/VA	0.000050	mg/L	<0.000050	----	----	----	----	----
Silicon, dissolved	7440-21-3	E421/VA	0.050	mg/L	7.92	----	----	----	----	----
Silver, dissolved	7440-22-4	E421/VA	0.000010	mg/L	<0.000010	----	----	----	----	----
Sodium, dissolved	7440-23-5	E421/VA	0.050	mg/L	86.9	----	----	----	----	----
Strontium, dissolved	7440-24-6	E421/VA	0.00020	mg/L	0.0122	----	----	----	----	----
Sulfur, dissolved	7704-34-9	E421/VA	0.50	mg/L	3.29	----	----	----	----	----
Tellurium, dissolved	13494-80-9	E421/VA	0.00020	mg/L	<0.00020	----	----	----	----	----
Thallium, dissolved	7440-28-0	E421/VA	0.000010	mg/L	<0.000010	----	----	----	----	----
Thorium, dissolved	7440-29-1	E421/VA	0.00010	mg/L	<0.00010	----	----	----	----	----



Analytical Results

Sub-Matrix: Water

(Matrix: Water)

					Client sample ID	WTP	----	----	----	----
					Client sampling date / time	24-Sep-2025 16:35	----	----	----	----
Analyte	CAS Number	Method/Lab	LOR	Unit	VA25C5300-001	----	----	----	----	----
					ResultMU	----	----	----	----	----
Dissolved Metals										
Tin, dissolved	7440-31-5	E421/VA	0.00010	mg/L	<0.00010	----	----	----	----	----
Titanium, dissolved	7440-32-6	E421/VA	0.00030	mg/L	<0.00030	----	----	----	----	----
Tungsten, dissolved	7440-33-7	E421/VA	0.00010	mg/L	0.00031	----	----	----	----	----
Uranium, dissolved	7440-61-1	E421/VA	0.000010	mg/L	<0.000010	----	----	----	----	----
Vanadium, dissolved	7440-62-2	E421/VA	0.00050	mg/L	0.00515	----	----	----	----	----
Zinc, dissolved	7440-66-6	E421/VA	0.0010	mg/L	0.0067	----	----	----	----	----
Zirconium, dissolved	7440-67-7	E421/VA	0.00020	mg/L	<0.00020	----	----	----	----	----
Dissolved mercury filtration location	----	EP509/VA	-	-	Field	----	----	----	----	----
Dissolved metals filtration location	----	EP421/VA	-	-	Field	----	----	----	----	----
Aggregate Organics										
Phenols, total (4AAP)	----	E562/EO	0.0010	mg/L	<0.0010	----	----	----	----	----
Volatile Organic Compounds										
Chlorobenzene	108-90-7	E611C/VA	0.50	µg/L	<0.50	----	----	----	----	----
Chloromethane	74-87-3	E611C/VA	5.0	µg/L	<5.0	----	----	----	----	----
Dichlorobenzene, 1,2-	95-50-1	E611C/VA	0.50	µg/L	<0.50	----	----	----	----	----
Dichlorobenzene, 1,3-	541-73-1	E611C/VA	0.50	µg/L	<0.50	----	----	----	----	----
Dichlorobenzene, 1,4-	106-46-7	E611C/VA	0.50	µg/L	<0.50	----	----	----	----	----
Dichloropropane, 1,2-	78-87-5	E611C/VA	0.50	µg/L	<0.50	----	----	----	----	----
Dichloropropylene, cis-1,3-	10061-01-5	E611C/VA	0.50	µg/L	<0.50	----	----	----	----	----
Dichloropropylene, cis+trans-1,3-	542-75-6	E611C/VA	0.75	µg/L	<0.75	----	----	----	----	----
Tetrachloroethane, 1,1,1,2-	630-20-6	E611C/VA	0.50	µg/L	<0.50	----	----	----	----	----



Analytical Results

Sub-Matrix: Water

(Matrix: Water)

					Client sample ID	WTP	----	----	----	----
					Client sampling date / time	24-Sep-2025 16:35	----	----	----	----
Analyte	CAS Number	Method/Lab	LOR	Unit	VA25C5300-001	ResultMU	----	----	----	----
Volatile Organic Compounds										
Tetrachloroethane, 1,1,2,2-	79-34-5	E611C/VA	0.20	µg/L	<0.20	----	----	----	----	----
Trichloroethane, 1,1,2-	79-00-5	E611C/VA	0.50	µg/L	<0.50	----	----	----	----	----
Trichlorofluoromethane	75-69-4	E611C/VA	0.50	µg/L	<0.50	----	----	----	----	----
Volatile Organic Compounds [Drycleaning]										
Carbon tetrachloride	56-23-5	E611C/VA	0.50	µg/L	<0.50	----	----	----	----	----
Chloroethane	75-00-3	E611C/VA	0.50	µg/L	<0.50	----	----	----	----	----
Dichloroethane, 1,1-	75-34-3	E611C/VA	0.50	µg/L	<0.50	----	----	----	----	----
Dichloroethane, 1,2-	107-06-2	E611C/VA	0.50	µg/L	<0.50	----	----	----	----	----
Dichloroethylene, 1,1-	75-35-4	E611C/VA	0.50	µg/L	<0.50	----	----	----	----	----
Dichloroethylene, cis-1,2-	156-59-2	E611C/VA	0.50	µg/L	<0.50	----	----	----	----	----
Dichloroethylene, trans-1,2-	156-60-5	E611C/VA	0.50	µg/L	<0.50	----	----	----	----	----
Dichloromethane	75-09-2	E611C/VA	1.0	µg/L	<1.0	----	----	----	----	----
Dichloropropylene, trans-1,3-	10061-02-6	E611C/VA	0.50	µg/L	<0.50	----	----	----	----	----
Tetrachloroethylene	127-18-4	E611C/VA	0.50	µg/L	<0.50	----	----	----	----	----
Trichloroethane, 1,1,1-	71-55-6	E611C/VA	0.50	µg/L	<0.50	----	----	----	----	----
Trichloroethylene	79-01-6	E611C/VA	0.50	µg/L	<0.50	----	----	----	----	----
Vinyl chloride	75-01-4	E611C/VA	0.40	µg/L	<0.40	----	----	----	----	----
Volatile Organic Compounds [Fuels]										
Benzene	71-43-2	E611C/VA	0.50	µg/L	<0.50	----	----	----	----	----
Ethylbenzene	100-41-4	E611C/VA	0.50	µg/L	<0.50	----	----	----	----	----
Methyl-tert-butyl ether [MTBE]	1634-04-4	E611C/VA	0.50	µg/L	<0.50	----	----	----	----	----



Analytical Results

Sub-Matrix: Water

(Matrix: Water)

					Client sample ID	WTP	----	----	----	----
					Client sampling date / time	24-Sep-2025 16:35	----	----	----	----
Analyte	CAS Number	Method/Lab	LOR	Unit	VA25C5300-001	ResultMU	----	----	----	----
Volatile Organic Compounds [Fuels]										
Styrene	100-42-5	E611C/VA	0.50	µg/L	<0.50	----	----	----	----	----
Toluene	108-88-3	E611C/VA	0.40	µg/L	<0.40	----	----	----	----	----
Xylene, m+p-	179601-23-1	E611C/VA	0.40	µg/L	<0.40	----	----	----	----	----
Xylene, o-	95-47-6	E611C/VA	0.30	µg/L	<0.30	----	----	----	----	----
Xylenes, total	1330-20-7	E611C/VA	0.50	µg/L	<0.50	----	----	----	----	----
Volatile Organic Compounds [THMs]										
Bromodichloromethane	75-27-4	E611C/VA	0.50	µg/L	<0.50	----	----	----	----	----
Bromoform	75-25-2	E611C/VA	0.50	µg/L	<0.50	----	----	----	----	----
Chloroform	67-66-3	E611C/VA	0.50	µg/L	<0.50	----	----	----	----	----
Dibromochloromethane	124-48-1	E611C/VA	0.50	µg/L	<0.50	----	----	----	----	----
Hydrocarbons										
EPH (C10-C19)	----	E601A/VA	250	µg/L	<250	----	----	----	----	----
EPH (C19-C32)	----	E601A/VA	250	µg/L	<250	----	----	----	----	----
VHw (C6-C10)	----	E581.VH+F1/VA	100	µg/L	<100	----	----	----	----	----
HEPHw	----	EC600A/VA	250	µg/L	<250	----	----	----	----	----
LEPHw	----	EC600A/VA	250	µg/L	<250	----	----	----	----	----
VPWw	----	EC580A/VA	100	µg/L	<100	----	----	----	----	----
Hydrocarbons Surrogates										
Bromobenzotrifluoride, 2- (EPH surrogate)	392-83-6	E601A/VA	1.0	%	87.4	----	----	----	----	----
Dichlorotoluene, 3,4-	95-75-0	E581.VH+F1/VA	1.0	%	88.1	----	----	----	----	----



Analytical Results

Sub-Matrix: Water

(Matrix: Water)

					Client sample ID	WTP	----	----	----	----
					Client sampling date / time	24-Sep-2025 16:35	----	----	----	----
Analyte	CAS Number	Method/Lab	LOR	Unit	VA25C5300-001	----	----	----	----	----
					ResultMU	----	----	----	----	----
Volatile Organic Compounds Surrogates										
Bromofluorobenzene, 4-	460-00-4	E611C/VA	1.0	%	92.4	----	----	----	----	----
Difluorobenzene, 1,4-	540-36-3	E611C/VA	1.0	%	101	----	----	----	----	----
Polycyclic Aromatic Hydrocarbons										
Acenaphthene	83-32-9	E641A/VA	0.010	µg/L	<0.010	----	----	----	----	----
Acenaphthylene	208-96-8	E641A/VA	0.010	µg/L	<0.010	----	----	----	----	----
Acridine	260-94-6	E641A/VA	0.010	µg/L	<0.010	----	----	----	----	----
Anthracene	120-12-7	E641A/VA	0.010	µg/L	<0.010	----	----	----	----	----
Benz(a)anthracene	56-55-3	E641A/VA	0.010	µg/L	<0.010	----	----	----	----	----
Benzo(a)pyrene	50-32-8	E641A/VA	0.0050	µg/L	<0.0050	----	----	----	----	----
Benzo(b+j)fluoranthene	n/a	E641A/VA	0.010	µg/L	<0.010	----	----	----	----	----
Benzo(b+j+k)fluoranthene	n/a	E641A/VA	0.015	µg/L	<0.015	----	----	----	----	----
Benzo(g,h,i)perylene	191-24-2	E641A/VA	0.010	µg/L	<0.010	----	----	----	----	----
Benzo(k)fluoranthene	207-08-9	E641A/VA	0.010	µg/L	<0.010	----	----	----	----	----
Chrysene	218-01-9	E641A/VA	0.010	µg/L	<0.010	----	----	----	----	----
Dibenz(a,h)anthracene	53-70-3	E641A/VA	0.0050	µg/L	<0.0050	----	----	----	----	----
Fluoranthene	206-44-0	E641A/VA	0.010	µg/L	<0.010	----	----	----	----	----
Fluorene	86-73-7	E641A/VA	0.010	µg/L	<0.010	----	----	----	----	----
Indeno(1,2,3-c,d)pyrene	193-39-5	E641A/VA	0.010	µg/L	<0.010	----	----	----	----	----
Methylnaphthalene, 1-	90-12-0	E641A/VA	0.010	µg/L	<0.010	----	----	----	----	----
Methylnaphthalene, 2-	91-57-6	E641A/VA	0.010	µg/L	<0.010	----	----	----	----	----
Naphthalene	91-20-3	E641A/VA	0.050	µg/L	<0.050	----	----	----	----	----



Analytical Results

Sub-Matrix: Water

(Matrix: Water)

					Client sample ID	WTP				
					Client sampling date / time	24-Sep-2025 16:35				
Analyte	CAS Number	Method/Lab	LOR	Unit	VA25C5300-001					
					ResultMU					
Polycyclic Aromatic Hydrocarbons										
Phenanthrene	85-01-8	E641A/VA	0.020	µg/L	<0.020					
Pyrene	129-00-0	E641A/VA	0.010	µg/L	<0.010					
Quinoline	91-22-5	E641A/VA	0.050	µg/L	<0.050					
Polycyclic Aromatic Hydrocarbons Surrogates										
Chrysene-d12	1719-03-5	E641A/VA	0.1	%	94.5					
Naphthalene-d8	1146-65-2	E641A/VA	0.1	%	99.0					
Phenanthrene-d10	1517-22-2	E641A/VA	0.1	%	104					
Glycols										
Diethylene glycol	111-46-6	E680E/VA	5.0	mg/L	<5.0					
Ethylene glycol	107-21-1	E680E/VA	5.0	mg/L	<5.0					
Propylene glycol, 1,2-	57-55-6	E680E/VA	5.0	mg/L	<5.0					
Triethylene glycol	112-27-6	E680E/VA	5.0	mg/L	<5.0					
Glycols, total (EG+DEG+PG)	----	E680E/VA	10	mg/L	<10					
Glycols Surrogates										
Propanediol, 1,3-	504-63-2	E680E/VA	1.0	%	104					

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

QUALITY CONTROL REPORT

Work Order	: VA25C5300	Page	: 1 of 23
Amendment	: 3		
Client	: Frontier-Kemper Michels Joint Venture	Laboratory	: ALS Environmental - Vancouver
Contact	: Sara Derakhshi	Account Manager	: Kevin Bhikadia
Address	: 404-850 Harbourside Drive North Vancouver BC Canada V7P 0A3	Address	: 8081 Lougheed Highway Burnaby, British Columbia Canada V5A 1W9
Telephone	: ----	Telephone	: +1 604 253 4188
Project	: EGP 150	Date Samples Received	: 24-Sep-2025 21:10
PO	: ----	Date Analysis Commenced	: 24-Sep-2025
C-O-C number	: 23-1085359	Issue Date	: 02-Oct-2025 22:00
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>
Dan Gebert	Supervisor - Metals Mercury & Speciation	Vancouver Metals, Burnaby, British Columbia
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Robin Weeks	Supervisor - Organics Extractions	Vancouver Organics, Burnaby, British Columbia



General Comments

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

Key :

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

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

DQO = Data Quality Objective.

LOR = Limit of Reporting (detection limit).

RPD = Relative Percent Difference

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

Workorder Comments

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

Page : 3 of 23
 Work Order : VA25C5300 Amendment 3
 Client : Frontier-Kemper Michels Joint Venture
 Project : EGP 150



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: 2239501)											
VA25C5300-001	WTP	pH	----	E108	0.10	pH units	7.65	7.68	0.391%	4%	----
Physical Tests (QC Lot: 2239503)											
VA25C5300-001	WTP	Conductivity	----	E100	2.0	µS/cm	431	433	0.463%	10%	----
Physical Tests (QC Lot: 2239512)											
VA25C5293-001	Anonymous	Solids, total dissolved [TDS]	----	E162	20	mg/L	1520	1450	4.44%	20%	----
Physical Tests (QC Lot: 2239515)											
VA25C5293-001	Anonymous	Solids, total suspended [TSS]	----	E160	3.0	mg/L	3.6	3.0	0.6	Diff <2x LOR	----
Physical Tests (QC Lot: 2240127)											
VA25C4567-001	Anonymous	Turbidity	----	E121	0.10	NTU	1.26	1.29	0.03	Diff <2x LOR	----
Physical Tests (QC Lot: 2240137)											
VA25C5086-009	Anonymous	Oxidation-reduction potential [ORP]	----	E125	0.10	mV	218	216	0.644%	10%	----
Anions and Nutrients (QC Lot: 2239536)											
VA25C5297-002	Anonymous	Ammonia, total (as N)	7664-41-7	E298	0.0050	mg/L	<0.0050	<0.0050	0	Diff <2x LOR	----
Anions and Nutrients (QC Lot: 2249029)											
VA25C5300-001	WTP	Fluoride	16984-48-8	E235.F	0.020	mg/L	0.275	0.280	1.59%	20%	----
Anions and Nutrients (QC Lot: 2249030)											
VA25C5300-001	WTP	Chloride	16887-00-6	E235.Cl	0.50	mg/L	101	102	0.875%	20%	----
Anions and Nutrients (QC Lot: 2249031)											
VA25C5300-001	WTP	Bromide	24959-67-9	E235.Br-L	0.050	mg/L	0.313	0.313	0.0001	Diff <2x LOR	----
Anions and Nutrients (QC Lot: 2249032)											
VA25C5300-001	WTP	Nitrate (as N)	14797-55-8	E235.NO3-L	0.0050	mg/L	0.102	0.102	0.340%	20%	----
Anions and Nutrients (QC Lot: 2249033)											
VA25C5300-001	WTP	Nitrite (as N)	14797-65-0	E235.NO2-L	0.0010	mg/L	0.0057	0.0057	0.00003	Diff <2x LOR	----
Anions and Nutrients (QC Lot: 2249034)											
VA25C5300-001	WTP	Sulfate (as SO ₄)	14808-79-8	E235.SO ₄	0.30	mg/L	10.0	10.1	0.427%	20%	----
Organic / Inorganic Carbon (QC Lot: 2239531)											
VA25C5297-002	Anonymous	Carbon, dissolved organic [DOC]	----	E358-L	0.50	mg/L	1.24	1.01	0.22	Diff <2x LOR	----
Organic / Inorganic Carbon (QC Lot: 2254859)											
VA25C5300-001	WTP	Carbon, total organic [TOC]	----	E355-L	0.50	mg/L	1.76	1.52	0.23	Diff <2x LOR	----
Total Metals (QC Lot: 2239513)											



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: 2239513) - continued											
VA25C5293-001	Anonymous	Aluminum, total	7429-90-5	E420	0.0060	mg/L	0.174	0.174	0.102%	20%	----
		Antimony, total	7440-36-0	E420	0.00020	mg/L	0.00112	0.00109	0.00003	Diff <2x LOR	----
		Arsenic, total	7440-38-2	E420	0.00020	mg/L	0.00467	0.00457	2.34%	20%	----
		Barium, total	7440-39-3	E420	0.00020	mg/L	0.00476	0.00475	0.209%	20%	----
		Beryllium, total	7440-41-7	E420	0.000040	mg/L	<0.000040	<0.000040	0	Diff <2x LOR	----
		Bismuth, total	7440-69-9	E420	0.000100	mg/L	<0.000100	<0.000100	0	Diff <2x LOR	----
		Boron, total	7440-42-8	E420	0.020	mg/L	<0.020	<0.020	0	Diff <2x LOR	----
		Cadmium, total	7440-43-9	E420	0.0000200	mg/L	<0.0000300	<0.0000200	0.0000100	Diff <2x LOR	----
		Calcium, total	7440-70-2	E420	0.100	mg/L	16.4	16.0	2.49%	20%	----
		Cesium, total	7440-46-2	E420	0.000020	mg/L	0.000210	0.000204	2.84%	20%	----
		Chromium, total	7440-47-3	E420	0.00100	mg/L	<0.00100	<0.00100	0	Diff <2x LOR	----
		Cobalt, total	7440-48-4	E420	0.00020	mg/L	<0.00020	<0.00020	0	Diff <2x LOR	----
		Copper, total	7440-50-8	E420	0.00100	mg/L	0.00140	0.00140	0.000001	Diff <2x LOR	----
		Iron, total	7439-89-6	E420	0.020	mg/L	0.120	0.120	0.0006	Diff <2x LOR	----
		Lead, total	7439-92-1	E420	0.000100	mg/L	0.000481	0.000481	0.0000002	Diff <2x LOR	----
		Lithium, total	7439-93-2	E420	0.0020	mg/L	0.0051	0.0050	0.0001	Diff <2x LOR	----
		Magnesium, total	7439-95-4	E420	0.0100	mg/L	2.06	2.04	1.06%	20%	----
		Manganese, total	7439-96-5	E420	0.00020	mg/L	0.0223	0.0215	3.93%	20%	----
		Molybdenum, total	7439-98-7	E420	0.000100	mg/L	0.0756	0.0734	2.95%	20%	----
		Nickel, total	7440-02-0	E420	0.00100	mg/L	0.00140	0.00132	0.00009	Diff <2x LOR	----
		Phosphorus, total	7723-14-0	E420	0.100	mg/L	0.224	0.154	0.070	Diff <2x LOR	----
		Potassium, total	7440-09-7	E420	0.100	mg/L	20.0	19.9	0.606%	20%	----
		Rubidium, total	7440-17-7	E420	0.00040	mg/L	0.0427	0.0420	1.73%	20%	----
		Selenium, total	7782-49-2	E420	0.000100	mg/L	0.000388	0.000418	0.000030	Diff <2x LOR	----
		Silicon, total	7440-21-3	E420	0.20	mg/L	5.18	5.21	0.560%	20%	----
		Silver, total	7440-22-4	E420	0.000020	mg/L	<0.000020	<0.000020	0	Diff <2x LOR	----
		Sodium, total	7440-23-5	E420	0.100	mg/L	560	556	0.719%	20%	----
		Strontium, total	7440-24-6	E420	0.00040	mg/L	0.172	0.171	0.510%	20%	----
		Sulfur, total	7704-34-9	E420	1.00	mg/L	236	242	2.47%	20%	----
		Tellurium, total	13494-80-9	E420	0.00040	mg/L	<0.00040	<0.00040	0	Diff <2x LOR	----
		Thallium, total	7440-28-0	E420	0.000020	mg/L	0.000072	0.000075	0.000002	Diff <2x LOR	----
		Thorium, total	7440-29-1	E420	0.00020	mg/L	<0.00020	<0.00020	0	Diff <2x LOR	----
		Tin, total	7440-31-5	E420	0.00020	mg/L	<0.00020	<0.00020	0	Diff <2x LOR	----
		Titanium, total	7440-32-6	E420	0.00060	mg/L	0.00240	0.00284	0.00045	Diff <2x LOR	----

Page : 5 of 23
 Work Order : VA25C5300 Amendment 3
 Client : Frontier-Kemper Michels Joint Venture
 Project : EGP 150



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: 2239513) - continued											
VA25C5293-001	Anonymous	Tungsten, total	7440-33-7	E420	0.00020	mg/L	0.00069	0.00070	0.00001	Diff <2x LOR	----
		Uranium, total	7440-61-1	E420	0.000020	mg/L	0.0165	0.0170	2.98%	20%	----
		Vanadium, total	7440-62-2	E420	0.00100	mg/L	0.00420	0.00422	0.00003	Diff <2x LOR	----
		Zinc, total	7440-66-6	E420	0.0060	mg/L	<0.0060	<0.0060	0	Diff <2x LOR	----
		Zirconium, total	7440-67-7	E420	0.00040	mg/L	<0.00040	<0.00040	0	Diff <2x LOR	----
Total Metals (QC Lot: 2239575)											
VA25C5300-001	WTP	Mercury, total	7439-97-6	E508	0.0000050	mg/L	<0.0000050	<0.0000050	0	Diff <2x LOR	----
Dissolved Metals (QC Lot: 2239516)											
VA25C5293-001	Anonymous	Aluminum, dissolved	7429-90-5	E421	0.0020	mg/L	0.0907	0.0873	3.90%	20%	----
		Antimony, dissolved	7440-36-0	E421	0.00020	mg/L	0.00107	0.00107	0.0000009	Diff <2x LOR	----
		Arsenic, dissolved	7440-38-2	E421	0.00020	mg/L	0.00473	0.00462	2.22%	20%	----
		Barium, dissolved	7440-39-3	E421	0.00020	mg/L	0.00385	0.00389	1.04%	20%	----
		Beryllium, dissolved	7440-41-7	E421	0.000040	mg/L	<0.000040	<0.000040	0	Diff <2x LOR	----
		Bismuth, dissolved	7440-69-9	E421	0.000100	mg/L	<0.000100	<0.000100	0	Diff <2x LOR	----
		Boron, dissolved	7440-42-8	E421	0.020	mg/L	<0.020	<0.020	0	Diff <2x LOR	----
		Cadmium, dissolved	7440-43-9	E421	0.0000150	mg/L	<0.0000200	<0.0000150	0.0000050	Diff <2x LOR	----
		Calcium, dissolved	7440-70-2	E421	0.100	mg/L	16.0	15.9	0.244%	20%	----
		Cesium, dissolved	7440-46-2	E421	0.000020	mg/L	0.000207	0.000206	0.541%	20%	----
		Chromium, dissolved	7440-47-3	E421	0.00100	mg/L	<0.00100	<0.00100	0	Diff <2x LOR	----
		Cobalt, dissolved	7440-48-4	E421	0.00020	mg/L	<0.00020	<0.00020	0	Diff <2x LOR	----
		Copper, dissolved	7440-50-8	E421	0.00040	mg/L	0.00077	0.00076	0.00001	Diff <2x LOR	----
		Iron, dissolved	7439-89-6	E421	0.020	mg/L	0.030	0.029	0.0006	Diff <2x LOR	----
		Lead, dissolved	7439-92-1	E421	0.000100	mg/L	0.000134	0.000135	0.0000008	Diff <2x LOR	----
		Lithium, dissolved	7439-93-2	E421	0.0020	mg/L	0.0049	0.0050	0.00004	Diff <2x LOR	----
		Magnesium, dissolved	7439-95-4	E421	0.0100	mg/L	2.09	2.01	3.78%	20%	----
		Manganese, dissolved	7439-96-5	E421	0.00020	mg/L	0.0181	0.0177	2.28%	20%	----
		Molybdenum, dissolved	7439-98-7	E421	0.000100	mg/L	0.0726	0.0732	0.817%	20%	----
		Nickel, dissolved	7440-02-0	E421	0.00100	mg/L	<0.00100	<0.00100	0	Diff <2x LOR	----
		Phosphorus, dissolved	7723-14-0	E421	0.100	mg/L	0.118	0.149	0.031	Diff <2x LOR	----
		Potassium, dissolved	7440-09-7	E421	0.100	mg/L	20.7	20.0	3.14%	20%	----
		Rubidium, dissolved	7440-17-7	E421	0.00040	mg/L	0.0414	0.0408	1.49%	20%	----
		Selenium, dissolved	7782-49-2	E421	0.000100	mg/L	0.000324	0.000402	0.000079	Diff <2x LOR	----
		Silicon, dissolved	7440-21-3	E421	0.100	mg/L	5.02	4.94	1.65%	20%	----
		Silver, dissolved	7440-22-4	E421	0.000020	mg/L	<0.000020	<0.000020	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
Dissolved Metals (QC Lot: 2239516) - continued											
VA25C5293-001	Anonymous	Sodium, dissolved	7440-23-5	E421	0.100	mg/L	564	548	2.92%	20%	----
		Strontium, dissolved	7440-24-6	E421	0.00040	mg/L	0.167	0.168	0.268%	20%	----
		Sulfur, dissolved	7704-34-9	E421	1.00	mg/L	228	232	1.42%	20%	----
		Tellurium, dissolved	13494-80-9	E421	0.00040	mg/L	<0.00040	<0.00040	0	Diff <2x LOR	----
		Thallium, dissolved	7440-28-0	E421	0.000020	mg/L	0.000064	0.000068	0.000004	Diff <2x LOR	----
		Thorium, dissolved	7440-29-1	E421	0.00020	mg/L	<0.00020	<0.00020	0	Diff <2x LOR	----
		Tin, dissolved	7440-31-5	E421	0.00020	mg/L	<0.00020	<0.00020	0	Diff <2x LOR	----
		Titanium, dissolved	7440-32-6	E421	0.00060	mg/L	0.00068	<0.00060	0.00008	Diff <2x LOR	----
		Tungsten, dissolved	7440-33-7	E421	0.00020	mg/L	0.00068	0.00069	0.00001	Diff <2x LOR	----
		Uranium, dissolved	7440-61-1	E421	0.000020	mg/L	0.0164	0.0171	4.19%	20%	----
		Vanadium, dissolved	7440-62-2	E421	0.00100	mg/L	0.00413	0.00402	0.00010	Diff <2x LOR	----
		Zinc, dissolved	7440-66-6	E421	0.0020	mg/L	<0.0020	<0.0020	0	Diff <2x LOR	----
		Zirconium, dissolved	7440-67-7	E421	0.00040	mg/L	<0.00040	<0.00040	0	Diff <2x LOR	----
Dissolved Metals (QC Lot: 2239584)											
VA25C4798-001	Anonymous	Mercury, dissolved	7439-97-6	E509	0.0000050	mg/L	<0.0000050	<0.0000050	0	Diff <2x LOR	----
Aggregate Organics (QC Lot: 2248119)											
VA25C5300-001	WTP	Phenols, total (4AAP)	----	E562	0.0010	mg/L	<0.0010	<0.0010	0	Diff <2x LOR	----
Volatile Organic Compounds (QC Lot: 2242359)											
VA25C5300-001	WTP	Benzene	71-43-2	E611C	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----
		Bromodichloromethane	75-27-4	E611C	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----
		Bromoform	75-25-2	E611C	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----
		Carbon tetrachloride	56-23-5	E611C	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----
		Chlorobenzene	108-90-7	E611C	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----
		Chloroethane	75-00-3	E611C	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----
		Chloroform	67-66-3	E611C	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----
		Chloromethane	74-87-3	E611C	5.0	µg/L	<5.0	<5.0	0	Diff <2x LOR	----
		Dibromochloromethane	124-48-1	E611C	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----
		Dichlorobenzene, 1,2-	95-50-1	E611C	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----
		Dichlorobenzene, 1,3-	541-73-1	E611C	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----
		Dichlorobenzene, 1,4-	106-46-7	E611C	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----
		Dichloroethane, 1,1-	75-34-3	E611C	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----
		Dichloroethane, 1,2-	107-06-2	E611C	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----
		Dichloroethylene, 1,1-	75-35-4	E611C	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----
		Dichloroethylene, cis-1,2-	156-59-2	E611C	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----



Sub-Matrix: Water					Laboratory Duplicate (DUP) Report						
Laboratory sample ID	Client sample ID	Analyte	CAS Number	Method	LOR	Unit	Original Result	Duplicate Result	RPD(%) or Difference	Duplicate Limits	Qualifier
Volatile Organic Compounds (QC Lot: 2242359) - continued											
VA25C5300-001	WTP	Dichloroethylene, trans-1,2-	156-60-5	E611C	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----
		Dichloromethane	75-09-2	E611C	1.0	µg/L	<1.0	<1.0	0	Diff <2x LOR	----
		Dichloropropane, 1,2-	78-87-5	E611C	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----
		Dichloropropylene, cis-1,3-	10061-01-5	E611C	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----
		Dichloropropylene, trans-1,3-	10061-02-6	E611C	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----
		Ethylbenzene	100-41-4	E611C	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----
		Methyl-tert-butyl ether [MTBE]	1634-04-4	E611C	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----
		Styrene	100-42-5	E611C	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----
		Tetrachloroethane, 1,1,1,2-	630-20-6	E611C	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----
		Tetrachloroethane, 1,1,2,2-	79-34-5	E611C	0.20	µg/L	<0.20	<0.20	0	Diff <2x LOR	----
		Tetrachloroethylene	127-18-4	E611C	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----
		Toluene	108-88-3	E611C	0.40	µg/L	<0.40	<0.40	0	Diff <2x LOR	----
		Trichloroethane, 1,1,1-	71-55-6	E611C	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----
		Trichloroethane, 1,1,2-	79-00-5	E611C	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----
		Trichloroethylene	79-01-6	E611C	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----
		Trichlorofluoromethane	75-69-4	E611C	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----
		Vinyl chloride	75-01-4	E611C	0.40	µg/L	<0.40	<0.40	0	Diff <2x LOR	----
		Xylene, m+p-	179601-23-1	E611C	0.40	µg/L	<0.40	<0.40	0	Diff <2x LOR	----
		Xylene, o-	95-47-6	E611C	0.30	µg/L	<0.30	<0.30	0	Diff <2x LOR	----
		Hydrocarbons (QC Lot: 2242358)									
VA25C5300-001	WTP	VHw (C6-C10)	----	E581.VH+F1	100	µg/L	<100	<100	0.0%	30%	----
Glycols (QC Lot: 2253984)											
VA25C5300-001	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: 2239502)						
Alkalinity, bicarbonate (as CaCO ₃)	----	E290	1	mg/L	<1.0	----
Alkalinity, carbonate (as CaCO ₃)	----	E290	1	mg/L	<1.0	----
Alkalinity, hydroxide (as CaCO ₃)	----	E290	1	mg/L	<1.0	----
Alkalinity, phenolphthalein (as CaCO ₃)	----	E290	1	mg/L	<1.0	----
Alkalinity, total (as CaCO ₃)	----	E290	1	mg/L	<1.0	----
Physical Tests (QCLot: 2239503)						
Conductivity	----	E100	1	µS/cm	<1.0	----
Physical Tests (QCLot: 2239512)						
Solids, total dissolved [TDS]	----	E162	10	mg/L	<10	----
Physical Tests (QCLot: 2239515)						
Solids, total suspended [TSS]	----	E160	3	mg/L	<3.0	----
Physical Tests (QCLot: 2240127)						
Turbidity	----	E121	0.1	NTU	<0.10	----
Anions and Nutrients (QCLot: 2239536)						
Ammonia, total (as N)	7664-41-7	E298	0.005	mg/L	<0.0050	----
Anions and Nutrients (QCLot: 2249029)						
Fluoride	16984-48-8	E235.F	0.02	mg/L	<0.020	----
Anions and Nutrients (QCLot: 2249030)						
Chloride	16887-00-6	E235.Cl	0.5	mg/L	<0.50	----
Anions and Nutrients (QCLot: 2249031)						
Bromide	24959-67-9	E235.Br-L	0.05	mg/L	<0.050	----
Anions and Nutrients (QCLot: 2249032)						
Nitrate (as N)	14797-55-8	E235.NO ₃ -L	0.005	mg/L	<0.0050	----
Anions and Nutrients (QCLot: 2249033)						
Nitrite (as N)	14797-65-0	E235.NO ₂ -L	0.001	mg/L	<0.0010	----
Anions and Nutrients (QCLot: 2249034)						
Sulfate (as SO ₄)	14808-79-8	E235.SO ₄	0.3	mg/L	<0.30	----
Organic / Inorganic Carbon (QCLot: 2239531)						
Carbon, dissolved organic [DOC]	----	E358-L	0.5	mg/L	<0.50	----
Organic / Inorganic Carbon (QCLot: 2254859)						
Carbon, total organic [TOC]	----	E355-L	0.5	mg/L	<0.50	----
Total Metals (QCLot: 2239513)						



Sub-Matrix: **Water**

Analyte	CAS Number	Method	LOR	Unit	Result	Qualifier
Total Metals (QCLot: 2239513) - continued						
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	----
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	----



Sub-Matrix: **Water**

Analyte	CAS Number	Method	LOR	Unit	Result	Qualifier
Total Metals (QCLot: 2239513) - continued						
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: 2239575)						
Mercury, total	7439-97-6	E508	0.000005	mg/L	<0.0000050	----
Dissolved Metals (QCLot: 2239516)						
Aluminum, dissolved	7429-90-5	E421	0.001	mg/L	<0.0010	----
Antimony, dissolved	7440-36-0	E421	0.0001	mg/L	<0.00010	----
Arsenic, dissolved	7440-38-2	E421	0.0001	mg/L	<0.00010	----
Barium, dissolved	7440-39-3	E421	0.0001	mg/L	<0.00010	----
Beryllium, dissolved	7440-41-7	E421	0.00002	mg/L	<0.000020	----
Bismuth, dissolved	7440-69-9	E421	0.00005	mg/L	<0.000050	----
Boron, dissolved	7440-42-8	E421	0.01	mg/L	<0.010	----
Cadmium, dissolved	7440-43-9	E421	0.000005	mg/L	<0.0000050	----
Calcium, dissolved	7440-70-2	E421	0.05	mg/L	<0.050	----
Cesium, dissolved	7440-46-2	E421	0.00001	mg/L	<0.000010	----
Chromium, dissolved	7440-47-3	E421	0.0005	mg/L	<0.00050	----
Cobalt, dissolved	7440-48-4	E421	0.0001	mg/L	<0.00010	----
Copper, dissolved	7440-50-8	E421	0.0002	mg/L	<0.00020	----
Iron, dissolved	7439-89-6	E421	0.01	mg/L	<0.010	----
Lead, dissolved	7439-92-1	E421	0.00005	mg/L	<0.000050	----
Lithium, dissolved	7439-93-2	E421	0.001	mg/L	<0.0010	----
Magnesium, dissolved	7439-95-4	E421	0.005	mg/L	<0.0050	----
Manganese, dissolved	7439-96-5	E421	0.0001	mg/L	<0.00010	----
Molybdenum, dissolved	7439-98-7	E421	0.00005	mg/L	<0.000050	----
Nickel, dissolved	7440-02-0	E421	0.0005	mg/L	<0.00050	----
Phosphorus, dissolved	7723-14-0	E421	0.05	mg/L	<0.050	----
Potassium, dissolved	7440-09-7	E421	0.05	mg/L	<0.050	----
Rubidium, dissolved	7440-17-7	E421	0.0002	mg/L	<0.00020	----
Selenium, dissolved	7782-49-2	E421	0.00005	mg/L	<0.000050	----
Silicon, dissolved	7440-21-3	E421	0.05	mg/L	<0.050	----
Silver, dissolved	7440-22-4	E421	0.00001	mg/L	<0.000010	----
Sodium, dissolved	7440-23-5	E421	0.05	mg/L	<0.050	----
Strontium, dissolved	7440-24-6	E421	0.0002	mg/L	<0.00020	----



Sub-Matrix: **Water**

Analyte	CAS Number	Method	LOR	Unit	Result	Qualifier
Dissolved Metals (QCLot: 2239516) - continued						
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: 2239584)						
Mercury, dissolved	7439-97-6	E509	0.000005	mg/L	<0.0000050	----
Aggregate Organics (QCLot: 2248119)						
Phenols, total (4AAP)	----	E562	0.001	mg/L	<0.0010	----
Volatile Organic Compounds (QCLot: 2242359)						
Benzene	71-43-2	E611C	0.5	µg/L	<0.50	----
Bromodichloromethane	75-27-4	E611C	0.5	µg/L	<0.50	----
Bromoform	75-25-2	E611C	0.5	µg/L	<0.50	----
Carbon tetrachloride	56-23-5	E611C	0.5	µg/L	<0.50	----
Chlorobenzene	108-90-7	E611C	0.5	µg/L	<0.50	----
Chloroethane	75-00-3	E611C	0.5	µg/L	<0.50	----
Chloroform	67-66-3	E611C	0.5	µg/L	<0.50	----
Chloromethane	74-87-3	E611C	5	µg/L	<5.0	----
Dibromochloromethane	124-48-1	E611C	0.5	µg/L	<0.50	----
Dichlorobenzene, 1,2-	95-50-1	E611C	0.5	µg/L	<0.50	----
Dichlorobenzene, 1,3-	541-73-1	E611C	0.5	µg/L	<0.50	----
Dichlorobenzene, 1,4-	106-46-7	E611C	0.5	µg/L	<0.50	----
Dichloroethane, 1,1-	75-34-3	E611C	0.5	µg/L	<0.50	----
Dichloroethane, 1,2-	107-06-2	E611C	0.5	µg/L	<0.50	----
Dichloroethylene, 1,1-	75-35-4	E611C	0.5	µg/L	<0.50	----
Dichloroethylene, cis-1,2-	156-59-2	E611C	0.5	µg/L	<0.50	----
Dichloroethylene, trans-1,2-	156-60-5	E611C	0.5	µg/L	<0.50	----
Dichloromethane	75-09-2	E611C	1	µg/L	<1.0	----
Dichloropropane, 1,2-	78-87-5	E611C	0.5	µg/L	<0.50	----



Sub-Matrix: **Water**

Analyte	CAS Number	Method	LOR	Unit	Result	Qualifier
Volatile Organic Compounds (QCLot: 2242359) - continued						
Dichloropropylene, cis-1,3-	10061-01-5	E611C	0.5	µg/L	<0.50	----
Dichloropropylene, trans-1,3-	10061-02-6	E611C	0.5	µg/L	<0.50	----
Ethylbenzene	100-41-4	E611C	0.5	µg/L	<0.50	----
Methyl-tert-butyl ether [MTBE]	1634-04-4	E611C	0.5	µg/L	<0.50	----
Styrene	100-42-5	E611C	0.5	µg/L	<0.50	----
Tetrachloroethane, 1,1,1,2-	630-20-6	E611C	0.5	µg/L	<0.50	----
Tetrachloroethane, 1,1,2,2-	79-34-5	E611C	0.2	µg/L	<0.20	----
Tetrachloroethylene	127-18-4	E611C	0.5	µg/L	<0.50	----
Toluene	108-88-3	E611C	0.4	µg/L	<0.40	----
Trichloroethane, 1,1,1-	71-55-6	E611C	0.5	µg/L	<0.50	----
Trichloroethane, 1,1,2-	79-00-5	E611C	0.5	µg/L	<0.50	----
Trichloroethylene	79-01-6	E611C	0.5	µg/L	<0.50	----
Trichlorofluoromethane	75-69-4	E611C	0.5	µg/L	<0.50	----
Vinyl chloride	75-01-4	E611C	0.4	µg/L	<0.40	----
Xylene, m+p-	179601-23-1	E611C	0.4	µg/L	<0.40	----
Xylene, o-	95-47-6	E611C	0.3	µg/L	<0.30	----
Hydrocarbons (QCLot: 2242358)						
VHw (C6-C10)	----	E581.VH+F1	100	µg/L	<100	----
Hydrocarbons (QCLot: 2248963)						
EPH (C10-C19)	----	E601A	250	µg/L	<250	----
EPH (C19-C32)	----	E601A	250	µg/L	<250	----
Polycyclic Aromatic Hydrocarbons (QCLot: 2248964)						
Acenaphthene	83-32-9	E641A	0.01	µg/L	<0.010	----
Acenaphthylene	208-96-8	E641A	0.01	µg/L	<0.010	----
Acridine	260-94-6	E641A	0.01	µg/L	<0.010	----
Anthracene	120-12-7	E641A	0.01	µg/L	<0.010	----
Benz(a)anthracene	56-55-3	E641A	0.01	µg/L	<0.010	----
Benzo(a)pyrene	50-32-8	E641A	0.005	µg/L	<0.0050	----
Benzo(b+j)fluoranthene	n/a	E641A	0.01	µg/L	<0.010	----
Benzo(g,h,i)perylene	191-24-2	E641A	0.01	µg/L	<0.010	----
Benzo(k)fluoranthene	207-08-9	E641A	0.01	µg/L	<0.010	----
Chrysene	218-01-9	E641A	0.01	µg/L	<0.010	----
Dibenz(a,h)anthracene	53-70-3	E641A	0.005	µg/L	<0.0050	----
Fluoranthene	206-44-0	E641A	0.01	µg/L	<0.010	----
Fluorene	86-73-7	E641A	0.01	µg/L	<0.010	----



Sub-Matrix: Water

Analyte	CAS Number	Method	LOR	Unit	Result	Qualifier
Polycyclic Aromatic Hydrocarbons (QCLot: 2248964) - continued						
Indeno(1,2,3-c,d)pyrene	193-39-5	E641A	0.01	µg/L	<0.010	----
Methylnaphthalene, 1-	90-12-0	E641A	0.01	µg/L	<0.010	----
Methylnaphthalene, 2-	91-57-6	E641A	0.01	µg/L	<0.010	----
Naphthalene	91-20-3	E641A	0.05	µg/L	<0.050	----
Phenanthrene	85-01-8	E641A	0.02	µg/L	<0.020	----
Pyrene	129-00-0	E641A	0.01	µg/L	<0.010	----
Quinoline	91-22-5	E641A	0.05	µg/L	<0.050	----
Glycols (QCLot: 2253984)						
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: 2239501)									
pH	----	E108	----	pH units	7 pH units	99.8	98.0	102	----
Physical Tests (QCLot: 2239502)									
Alkalinity, phenolphthalein (as CaCO3)	----	E290	1	mg/L	229 mg/L	92.9	75.0	125	----
Alkalinity, total (as CaCO3)	----	E290	1	mg/L	500 mg/L	101	85.0	115	----
Physical Tests (QCLot: 2239503)									
Conductivity	----	E100	1	µS/cm	147 µS/cm	102	90.0	110	----
Physical Tests (QCLot: 2239512)									
Solids, total dissolved [TDS]	----	E162	10	mg/L	1000 mg/L	108	85.0	115	----
Physical Tests (QCLot: 2239515)									
Solids, total suspended [TSS]	----	E160	3	mg/L	150 mg/L	96.3	85.0	115	----
Physical Tests (QCLot: 2240127)									
Turbidity	----	E121	0.1	NTU	200 NTU	100.0	85.0	115	----
Anions and Nutrients (QCLot: 2239536)									
Ammonia, total (as N)	7664-41-7	E298	0.005	mg/L	0.2 mg/L	97.8	85.0	115	----
Anions and Nutrients (QCLot: 2249029)									
Fluoride	16984-48-8	E235.F	0.02	mg/L	1 mg/L	99.2	90.0	110	----
Anions and Nutrients (QCLot: 2249030)									
Chloride	16887-00-6	E235.Cl	0.5	mg/L	100 mg/L	98.8	90.0	110	----
Anions and Nutrients (QCLot: 2249031)									
Bromide	24959-67-9	E235.Br-L	0.05	mg/L	0.5 mg/L	103	85.0	115	----
Anions and Nutrients (QCLot: 2249032)									
Nitrate (as N)	14797-55-8	E235.NO3-L	0.005	mg/L	2.5 mg/L	100	90.0	110	----
Anions and Nutrients (QCLot: 2249033)									
Nitrite (as N)	14797-65-0	E235.NO2-L	0.001	mg/L	0.5 mg/L	98.6	90.0	110	----
Anions and Nutrients (QCLot: 2249034)									
Sulfate (as SO4)	14808-79-8	E235.SO4	0.3	mg/L	100 mg/L	101	90.0	110	----
Organic / Inorganic Carbon (QCLot: 2239531)									
Carbon, dissolved organic [DOC]	----	E358-L	0.5	mg/L	8.57 mg/L	96.7	80.0	120	----
Organic / Inorganic Carbon (QCLot: 2254859)									
Carbon, total organic [TOC]	----	E355-L	0.5	mg/L	8.57 mg/L	108	80.0	120	----



Sub-Matrix: Water					Laboratory Control Sample (LCS) Report				
					Spike	Recovery (%)	Recovery Limits (%)		Qualifier
					Target Concentration	LCS	Low	High	
Analyte	CAS Number	Method	LOR	Unit	Target Concentration	LCS	Low	High	Qualifier
Total Metals (QCLot: 2239513)									
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	105	80.0	120	----
Arsenic, total	7440-38-2	E420	0.0001	mg/L	1 mg/L	106	80.0	120	----
Barium, total	7440-39-3	E420	0.0001	mg/L	0.25 mg/L	104	80.0	120	----
Beryllium, total	7440-41-7	E420	0.00002	mg/L	0.1 mg/L	104	80.0	120	----
Bismuth, total	7440-69-9	E420	0.00005	mg/L	1 mg/L	106	80.0	120	----
Boron, total	7440-42-8	E420	0.01	mg/L	1 mg/L	104	80.0	120	----
Cadmium, total	7440-43-9	E420	0.000005	mg/L	0.1 mg/L	100.0	80.0	120	----
Calcium, total	7440-70-2	E420	0.05	mg/L	50 mg/L	104	80.0	120	----
Cesium, total	7440-46-2	E420	0.00001	mg/L	0.05 mg/L	107	80.0	120	----
Chromium, total	7440-47-3	E420	0.0005	mg/L	0.25 mg/L	106	80.0	120	----
Cobalt, total	7440-48-4	E420	0.0001	mg/L	0.25 mg/L	104	80.0	120	----
Copper, total	7440-50-8	E420	0.0005	mg/L	0.25 mg/L	104	80.0	120	----
Iron, total	7439-89-6	E420	0.01	mg/L	1 mg/L	101	80.0	120	----
Lead, total	7439-92-1	E420	0.00005	mg/L	0.5 mg/L	102	80.0	120	----
Lithium, total	7439-93-2	E420	0.001	mg/L	0.25 mg/L	102	80.0	120	----
Magnesium, total	7439-95-4	E420	0.005	mg/L	50 mg/L	104	80.0	120	----
Manganese, total	7439-96-5	E420	0.0001	mg/L	0.25 mg/L	104	80.0	120	----
Molybdenum, total	7439-98-7	E420	0.00005	mg/L	0.25 mg/L	105	80.0	120	----
Nickel, total	7440-02-0	E420	0.0005	mg/L	0.5 mg/L	102	80.0	120	----
Phosphorus, total	7723-14-0	E420	0.05	mg/L	10 mg/L	112	80.0	120	----
Potassium, total	7440-09-7	E420	0.05	mg/L	50 mg/L	104	80.0	120	----
Rubidium, total	7440-17-7	E420	0.0002	mg/L	0.1 mg/L	109	80.0	120	----
Selenium, total	7782-49-2	E420	0.00005	mg/L	1 mg/L	103	80.0	120	----
Silicon, total	7440-21-3	E420	0.1	mg/L	10 mg/L	105	80.0	120	----
Silver, total	7440-22-4	E420	0.00001	mg/L	0.1 mg/L	98.0	80.0	120	----
Sodium, total	7440-23-5	E420	0.05	mg/L	50 mg/L	109	80.0	120	----
Strontium, total	7440-24-6	E420	0.0002	mg/L	0.25 mg/L	109	80.0	120	----
Sulfur, total	7704-34-9	E420	0.5	mg/L	50 mg/L	106	80.0	120	----
Tellurium, total	13494-80-9	E420	0.0002	mg/L	0.1 mg/L	110	80.0	120	----
Thallium, total	7440-28-0	E420	0.00001	mg/L	1 mg/L	102	80.0	120	----
Thorium, total	7440-29-1	E420	0.0001	mg/L	0.1 mg/L	109	80.0	120	----
Tin, total	7440-31-5	E420	0.0001	mg/L	0.5 mg/L	102	80.0	120	----
Titanium, total	7440-32-6	E420	0.0003	mg/L	0.25 mg/L	105	80.0	120	----
Tungsten, total	7440-33-7	E420	0.0001	mg/L	0.1 mg/L	102	80.0	120	----



Sub-Matrix: Water					Laboratory Control Sample (LCS) Report				
					Spike	Recovery (%)	Recovery Limits (%)		Qualifier
					Target Concentration	LCS	Low	High	
Analyte	CAS Number	Method	LOR	Unit	Target Concentration	LCS	Low	High	Qualifier
Total Metals (QCLot: 2239513) - continued									
Uranium, total	7440-61-1	E420	0.00001	mg/L	0.005 mg/L	108	80.0	120	----
Vanadium, total	7440-62-2	E420	0.0005	mg/L	0.5 mg/L	105	80.0	120	----
Zinc, total	7440-66-6	E420	0.003	mg/L	0.5 mg/L	104	80.0	120	----
Zirconium, total	7440-67-7	E420	0.0002	mg/L	0.1 mg/L	100	80.0	120	----
Total Metals (QCLot: 2239575)									
Mercury, total	7439-97-6	E508	0.000005	mg/L	0 mg/L	93.6	80.0	120	----
Dissolved Metals (QCLot: 2239516)									
Aluminum, dissolved	7429-90-5	E421	0.001	mg/L	2 mg/L	113	80.0	120	----
Antimony, dissolved	7440-36-0	E421	0.0001	mg/L	1 mg/L	103	80.0	120	----
Arsenic, dissolved	7440-38-2	E421	0.0001	mg/L	1 mg/L	110	80.0	120	----
Barium, dissolved	7440-39-3	E421	0.0001	mg/L	0.25 mg/L	107	80.0	120	----
Beryllium, dissolved	7440-41-7	E421	0.00002	mg/L	0.1 mg/L	105	80.0	120	----
Bismuth, dissolved	7440-69-9	E421	0.00005	mg/L	1 mg/L	107	80.0	120	----
Boron, dissolved	7440-42-8	E421	0.01	mg/L	1 mg/L	105	80.0	120	----
Cadmium, dissolved	7440-43-9	E421	0.000005	mg/L	0.1 mg/L	102	80.0	120	----
Calcium, dissolved	7440-70-2	E421	0.05	mg/L	50 mg/L	105	80.0	120	----
Cesium, dissolved	7440-46-2	E421	0.00001	mg/L	0.05 mg/L	110	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	106	80.0	120	----
Copper, dissolved	7440-50-8	E421	0.0002	mg/L	0.25 mg/L	107	80.0	120	----
Iron, dissolved	7439-89-6	E421	0.01	mg/L	1 mg/L	104	80.0	120	----
Lead, dissolved	7439-92-1	E421	0.00005	mg/L	0.5 mg/L	107	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	108	80.0	120	----
Molybdenum, dissolved	7439-98-7	E421	0.00005	mg/L	0.25 mg/L	108	80.0	120	----
Nickel, dissolved	7440-02-0	E421	0.0005	mg/L	0.5 mg/L	105	80.0	120	----
Phosphorus, dissolved	7723-14-0	E421	0.05	mg/L	10 mg/L	106	80.0	120	----
Potassium, dissolved	7440-09-7	E421	0.05	mg/L	50 mg/L	109	80.0	120	----
Rubidium, dissolved	7440-17-7	E421	0.0002	mg/L	0.1 mg/L	109	80.0	120	----
Selenium, dissolved	7782-49-2	E421	0.00005	mg/L	1 mg/L	103	80.0	120	----
Silicon, dissolved	7440-21-3	E421	0.05	mg/L	10 mg/L	103	80.0	120	----
Silver, dissolved	7440-22-4	E421	0.00001	mg/L	0.1 mg/L	99.7	80.0	120	----
Sodium, dissolved	7440-23-5	E421	0.05	mg/L	50 mg/L	116	80.0	120	----
Strontium, dissolved	7440-24-6	E421	0.0002	mg/L	0.25 mg/L	107	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: 2239516) - continued									
Sulfur, dissolved	7704-34-9	E421	0.5	mg/L	50 mg/L	116	80.0	120	----
Tellurium, dissolved	13494-80-9	E421	0.0002	mg/L	0.1 mg/L	109	80.0	120	----
Thallium, dissolved	7440-28-0	E421	0.00001	mg/L	1 mg/L	105	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	103	80.0	120	----
Titanium, dissolved	7440-32-6	E421	0.0003	mg/L	0.25 mg/L	109	80.0	120	----
Tungsten, dissolved	7440-33-7	E421	0.0001	mg/L	0.1 mg/L	106	80.0	120	----
Uranium, dissolved	7440-61-1	E421	0.00001	mg/L	0.005 mg/L	112	80.0	120	----
Vanadium, dissolved	7440-62-2	E421	0.0005	mg/L	0.5 mg/L	108	80.0	120	----
Zinc, dissolved	7440-66-6	E421	0.001	mg/L	0.5 mg/L	112	80.0	120	----
Zirconium, dissolved	7440-67-7	E421	0.0002	mg/L	0.1 mg/L	104	80.0	120	----
Mercury, dissolved	7439-97-6	E509	0.000005	mg/L	0 mg/L	93.7	80.0	120	----
Aggregate Organics (QCLot: 2248119)									
Phenols, total (4AAP)	----	E562	0.001	mg/L	0.02 mg/L	101	85.0	115	----
Volatile Organic Compounds (QCLot: 2242359)									
Benzene	71-43-2	E611C	0.5	µg/L	100 µg/L	109	70.0	130	----
Bromodichloromethane	75-27-4	E611C	0.5	µg/L	100 µg/L	103	70.0	130	----
Bromoform	75-25-2	E611C	0.5	µg/L	100 µg/L	100	70.0	130	----
Carbon tetrachloride	56-23-5	E611C	0.5	µg/L	100 µg/L	105	70.0	130	----
Chlorobenzene	108-90-7	E611C	0.5	µg/L	100 µg/L	114	70.0	130	----
Chloroethane	75-00-3	E611C	0.5	µg/L	100 µg/L	115	60.0	140	----
Chloroform	67-66-3	E611C	0.5	µg/L	100 µg/L	108	70.0	130	----
Chloromethane	74-87-3	E611C	5	µg/L	100 µg/L	119	60.0	140	----
Dibromochloromethane	124-48-1	E611C	0.5	µg/L	100 µg/L	103	70.0	130	----
Dichlorobenzene, 1,2-	95-50-1	E611C	0.5	µg/L	100 µg/L	113	70.0	130	----
Dichlorobenzene, 1,3-	541-73-1	E611C	0.5	µg/L	100 µg/L	113	70.0	130	----
Dichlorobenzene, 1,4-	106-46-7	E611C	0.5	µg/L	100 µg/L	116	70.0	130	----
Dichloroethane, 1,1-	75-34-3	E611C	0.5	µg/L	100 µg/L	111	70.0	130	----
Dichloroethane, 1,2-	107-06-2	E611C	0.5	µg/L	100 µg/L	106	70.0	130	----
Dichloroethylene, 1,1-	75-35-4	E611C	0.5	µg/L	100 µg/L	106	70.0	130	----
Dichloroethylene, cis-1,2-	156-59-2	E611C	0.5	µg/L	100 µg/L	108	70.0	130	----
Dichloroethylene, trans-1,2-	156-60-5	E611C	0.5	µg/L	100 µg/L	109	70.0	130	----
Dichloromethane	75-09-2	E611C	1	µg/L	100 µg/L	103	70.0	130	----
Dichloropropane, 1,2-	78-87-5	E611C	0.5	µg/L	100 µg/L	110	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: 2242359) - continued									
Dichloropropylene, cis-1,3-	10061-01-5	E611C	0.5	µg/L	100 µg/L	111	70.0	130	----
Dichloropropylene, trans-1,3-	10061-02-6	E611C	0.5	µg/L	100 µg/L	112	70.0	130	----
Ethylbenzene	100-41-4	E611C	0.5	µg/L	100 µg/L	115	70.0	130	----
Methyl-tert-butyl ether [MTBE]	1634-04-4	E611C	0.5	µg/L	100 µg/L	112	70.0	130	----
Styrene	100-42-5	E611C	0.5	µg/L	100 µg/L	113	70.0	130	----
Tetrachloroethane, 1,1,1,2-	630-20-6	E611C	0.5	µg/L	100 µg/L	108	70.0	130	----
Tetrachloroethane, 1,1,2,2-	79-34-5	E611C	0.2	µg/L	100 µg/L	102	70.0	130	----
Tetrachloroethylene	127-18-4	E611C	0.5	µg/L	100 µg/L	110	70.0	130	----
Toluene	108-88-3	E611C	0.4	µg/L	100 µg/L	112	70.0	130	----
Trichloroethane, 1,1,1-	71-55-6	E611C	0.5	µg/L	100 µg/L	109	70.0	130	----
Trichloroethane, 1,1,2-	79-00-5	E611C	0.5	µg/L	100 µg/L	104	70.0	130	----
Trichloroethylene	79-01-6	E611C	0.5	µg/L	100 µg/L	110	70.0	130	----
Trichlorofluoromethane	75-69-4	E611C	0.5	µg/L	100 µg/L	117	60.0	140	----
Vinyl chloride	75-01-4	E611C	0.4	µg/L	100 µg/L	119	60.0	140	----
Xylene, m+p-	179601-23-1	E611C	0.4	µg/L	200 µg/L	116	70.0	130	----
Xylene, o-	95-47-6	E611C	0.3	µg/L	100 µg/L	110	70.0	130	----
Hydrocarbons (QCLot: 2242358)									
VHw (C6-C10)	----	E581.VH+F1	100	µg/L	6310 µg/L	88.8	70.0	130	----
Hydrocarbons (QCLot: 2248963)									
EPH (C10-C19)	----	E601A	250	µg/L	6490 µg/L	93.4	70.0	130	----
EPH (C19-C32)	----	E601A	250	µg/L	3360 µg/L	94.0	70.0	130	----
Polycyclic Aromatic Hydrocarbons (QCLot: 2248964)									
Acenaphthene	83-32-9	E641A	0.01	µg/L	0.5 µg/L	92.2	60.0	130	----
Acenaphthylene	208-96-8	E641A	0.01	µg/L	0.5 µg/L	93.8	60.0	130	----
Acridine	260-94-6	E641A	0.01	µg/L	0.5 µg/L	110	60.0	130	----
Anthracene	120-12-7	E641A	0.01	µg/L	0.5 µg/L	91.4	60.0	130	----
Benz(a)anthracene	56-55-3	E641A	0.01	µg/L	0.5 µg/L	85.3	60.0	130	----
Benzo(a)pyrene	50-32-8	E641A	0.005	µg/L	0.5 µg/L	84.7	60.0	130	----
Benzo(b+j)fluoranthene	n/a	E641A	0.01	µg/L	0.5 µg/L	95.4	60.0	130	----
Benzo(g,h,i)perylene	191-24-2	E641A	0.01	µg/L	0.5 µg/L	94.2	60.0	130	----
Benzo(k)fluoranthene	207-08-9	E641A	0.01	µg/L	0.5 µg/L	99.4	60.0	130	----
Chrysene	218-01-9	E641A	0.01	µg/L	0.5 µg/L	93.4	60.0	130	----
Dibenz(a,h)anthracene	53-70-3	E641A	0.005	µg/L	0.5 µg/L	97.6	60.0	130	----
Fluoranthene	206-44-0	E641A	0.01	µg/L	0.5 µg/L	95.3	60.0	130	----



Sub-Matrix: Water					Laboratory Control Sample (LCS) Report				
					Spike	Recovery (%)	Recovery Limits (%)		
					Target Concentration	LCS	Low	High	Qualifier
Analyte	CAS Number	Method	LOR	Unit	Target Concentration	LCS	Low	High	Qualifier
Polycyclic Aromatic Hydrocarbons (QCLot: 2248964) - continued									
Fluorene	86-73-7	E641A	0.01	µg/L	0.5 µg/L	90.6	60.0	130	----
Indeno(1,2,3-c,d)pyrene	193-39-5	E641A	0.01	µg/L	0.5 µg/L	91.3	60.0	130	----
Methylnaphthalene, 1-	90-12-0	E641A	0.01	µg/L	0.5 µg/L	87.1	60.0	130	----
Methylnaphthalene, 2-	91-57-6	E641A	0.01	µg/L	0.5 µg/L	97.3	60.0	130	----
Naphthalene	91-20-3	E641A	0.05	µg/L	0.5 µg/L	92.7	50.0	130	----
Phenanthrene	85-01-8	E641A	0.02	µg/L	0.5 µg/L	95.5	60.0	130	----
Pyrene	129-00-0	E641A	0.01	µg/L	0.5 µg/L	93.2	60.0	130	----
Quinoline	91-22-5	E641A	0.05	µg/L	0.5 µg/L	86.2	60.0	130	----
Glycols (QCLot: 2253984)									
Diethylene glycol	111-46-6	E680E	5	mg/L	25 mg/L	101	70.0	130	----
Ethylene glycol	107-21-1	E680E	5	mg/L	25 mg/L	102	70.0	130	----
Propylene glycol, 1,2-	57-55-6	E680E	5	mg/L	25 mg/L	103	70.0	130	----
Triethylene glycol	112-27-6	E680E	5	mg/L	25 mg/L	101	70.0	130	----



Matrix Spike (MS) Report

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

Sub-Matrix: Water					Matrix Spike (MS) Report					
					Spike		Recovery (%)	Recovery Limits (%)		
Laboratory sample ID	Client sample ID	Analyte	CAS Number	Method	Concentration	Target	MS	Low	High	Qualifier
Anions and Nutrients (QCLot: 2239536)										
VA25C5300-001	WTP	Ammonia, total (as N)	7664-41-7	E298	0.0942 mg/L	0.1 mg/L	94.2	75.0	125	----
Anions and Nutrients (QCLot: 2249029)										
VA25C5781-001	Anonymous	Fluoride	16984-48-8	E235.F	5.21 mg/L	5 mg/L	104	75.0	125	----
Anions and Nutrients (QCLot: 2249030)										
VA25C5781-001	Anonymous	Chloride	16887-00-6	E235.Cl	508 mg/L	500 mg/L	102	75.0	125	----
Anions and Nutrients (QCLot: 2249031)										
VA25C5781-001	Anonymous	Bromide	24959-67-9	E235.Br-L	2.62 mg/L	2.5 mg/L	105	75.0	125	----
Anions and Nutrients (QCLot: 2249032)										
VA25C5781-001	Anonymous	Nitrate (as N)	14797-55-8	E235.NO3-L	12.9 mg/L	12.5 mg/L	103	75.0	125	----
Anions and Nutrients (QCLot: 2249033)										
VA25C5781-001	Anonymous	Nitrite (as N)	14797-65-0	E235.NO2-L	2.52 mg/L	2.5 mg/L	101	75.0	125	----
Anions and Nutrients (QCLot: 2249034)										
VA25C5781-001	Anonymous	Sulfate (as SO4)	14808-79-8	E235.SO4	510 mg/L	500 mg/L	102	75.0	125	----
Organic / Inorganic Carbon (QCLot: 2239531)										
VA25C5300-001	WTP	Carbon, dissolved organic [DOC]	----	E358-L	5.18 mg/L	5 mg/L	104	70.0	130	----
Organic / Inorganic Carbon (QCLot: 2254859)										
VA25C6011-001	Anonymous	Carbon, total organic [TOC]	----	E355-L	5.55 mg/L	5 mg/L	111	70.0	130	----
Total Metals (QCLot: 2239513)										
VA25C5300-001	WTP	Aluminum, total	7429-90-5	E420	0.192 mg/L	0.2 mg/L	95.9	70.0	130	----
		Antimony, total	7440-36-0	E420	0.0197 mg/L	0.02 mg/L	98.4	70.0	130	----
		Arsenic, total	7440-38-2	E420	0.0204 mg/L	0.02 mg/L	102	70.0	130	----
		Barium, total	7440-39-3	E420	0.0201 mg/L	0.02 mg/L	100	70.0	130	----
		Beryllium, total	7440-41-7	E420	0.0392 mg/L	0.04 mg/L	98.1	70.0	130	----
		Bismuth, total	7440-69-9	E420	0.00999 mg/L	0.01 mg/L	99.9	70.0	130	----
		Boron, total	7440-42-8	E420	0.098 mg/L	0.1 mg/L	97.7	70.0	130	----
		Cadmium, total	7440-43-9	E420	0.00397 mg/L	0.004 mg/L	99.2	70.0	130	----
		Calcium, total	7440-70-2	E420	3.88 mg/L	4 mg/L	97.0	70.0	130	----
		Cesium, total	7440-46-2	E420	0.0103 mg/L	0.01 mg/L	103	70.0	130	----
		Chromium, total	7440-47-3	E420	0.0407 mg/L	0.04 mg/L	102	70.0	130	----
		Cobalt, total	7440-48-4	E420	0.0202 mg/L	0.02 mg/L	101	70.0	130	----
		Copper, total	7440-50-8	E420	0.0198 mg/L	0.02 mg/L	99.3	70.0	130	----
		Iron, total	7439-89-6	E420	1.94 mg/L	2 mg/L	97.0	70.0	130	----
		Lead, total	7439-92-1	E420	0.0193 mg/L	0.02 mg/L	96.5	70.0	130	----
		Lithium, total	7439-93-2	E420	0.0909 mg/L	0.1 mg/L	90.9	70.0	130	----



Sub-Matrix: Water					Matrix Spike (MS) Report					
					Spike		Recovery (%)	Recovery Limits (%)		Qualifier
Laboratory sample ID	Client sample ID	Analyte	CAS Number	Method	Concentration	Target	MS	Low	High	
Total Metals (QCLot: 2239513) - continued										
VA25C5300-001	WTP	Magnesium, total	7439-95-4	E420	0.968 mg/L	1 mg/L	96.8	70.0	130	----
		Manganese, total	7439-96-5	E420	0.0198 mg/L	0.02 mg/L	99.3	70.0	130	----
		Molybdenum, total	7439-98-7	E420	ND mg/L	----	ND	70.0	130	----
		Nickel, total	7440-02-0	E420	0.0388 mg/L	0.04 mg/L	97.0	70.0	130	----
		Phosphorus, total	7723-14-0	E420	10.2 mg/L	10 mg/L	102	70.0	130	----
		Potassium, total	7440-09-7	E420	ND mg/L	----	ND	70.0	130	----
		Rubidium, total	7440-17-7	E420	0.0199 mg/L	0.02 mg/L	99.4	70.0	130	----
		Selenium, total	7782-49-2	E420	0.0422 mg/L	0.04 mg/L	105	70.0	130	----
		Silicon, total	7440-21-3	E420	10.0 mg/L	10 mg/L	100	70.0	130	----
		Silver, total	7440-22-4	E420	0.00401 mg/L	0.004 mg/L	100	70.0	130	----
		Sodium, total	7440-23-5	E420	ND mg/L	----	ND	70.0	130	----
		Strontium, total	7440-24-6	E420	0.0205 mg/L	0.02 mg/L	102	70.0	130	----
		Sulfur, total	7704-34-9	E420	20.7 mg/L	20 mg/L	103	70.0	130	----
		Tellurium, total	13494-80-9	E420	0.0404 mg/L	0.04 mg/L	101	70.0	130	----
		Thallium, total	7440-28-0	E420	0.00388 mg/L	0.004 mg/L	96.9	70.0	130	----
		Thorium, total	7440-29-1	E420	0.0200 mg/L	0.02 mg/L	100	70.0	130	----
		Tin, total	7440-31-5	E420	0.0197 mg/L	0.02 mg/L	98.6	70.0	130	----
		Titanium, total	7440-32-6	E420	0.0408 mg/L	0.04 mg/L	102	70.0	130	----
		Tungsten, total	7440-33-7	E420	0.0196 mg/L	0.02 mg/L	98.2	70.0	130	----
		Uranium, total	7440-61-1	E420	0.00419 mg/L	0.004 mg/L	105	70.0	130	----
		Vanadium, total	7440-62-2	E420	0.101 mg/L	0.1 mg/L	101	70.0	130	----
		Zinc, total	7440-66-6	E420	0.414 mg/L	0.4 mg/L	103	70.0	130	----
		Zirconium, total	7440-67-7	E420	0.0397 mg/L	0.04 mg/L	99.2	70.0	130	----
Total Metals (QCLot: 2239575)										
VA25C5301-001	Anonymous	Mercury, total	7439-97-6	E508	0.0000945 mg/L	0 mg/L	94.5	70.0	130	----
Dissolved Metals (QCLot: 2239516)										
VA25C5300-001	WTP	Aluminum, dissolved	7429-90-5	E421	0.203 mg/L	0.2 mg/L	101	70.0	130	----
		Antimony, dissolved	7440-36-0	E421	0.0197 mg/L	0.02 mg/L	98.6	70.0	130	----
		Arsenic, dissolved	7440-38-2	E421	0.0212 mg/L	0.02 mg/L	106	70.0	130	----
		Barium, dissolved	7440-39-3	E421	0.0204 mg/L	0.02 mg/L	102	70.0	130	----
		Beryllium, dissolved	7440-41-7	E421	0.0406 mg/L	0.04 mg/L	101	70.0	130	----
		Bismuth, dissolved	7440-69-9	E421	0.00996 mg/L	0.01 mg/L	99.6	70.0	130	----
		Boron, dissolved	7440-42-8	E421	0.100 mg/L	0.1 mg/L	100.0	70.0	130	----
		Cadmium, dissolved	7440-43-9	E421	0.00396 mg/L	0.004 mg/L	98.9	70.0	130	----
		Calcium, dissolved	7440-70-2	E421	4.04 mg/L	4 mg/L	101	70.0	130	----
		Cesium, dissolved	7440-46-2	E421	0.0104 mg/L	0.01 mg/L	104	70.0	130	----
		Chromium, dissolved	7440-47-3	E421	0.0410 mg/L	0.04 mg/L	102	70.0	130	----
		Cobalt, dissolved	7440-48-4	E421	0.0202 mg/L	0.02 mg/L	101	70.0	130	----
		Copper, dissolved	7440-50-8	E421	0.0200 mg/L	0.02 mg/L	100	70.0	130	----
		Iron, dissolved	7439-89-6	E421	1.98 mg/L	2 mg/L	99.2	70.0	130	----
		Lead, dissolved	7439-92-1	E421	0.0197 mg/L	0.02 mg/L	98.5	70.0	130	----
		Lithium, dissolved	7439-93-2	E421	0.0949 mg/L	0.1 mg/L	94.9	70.0	130	----
		Magnesium, dissolved	7439-95-4	E421	1.01 mg/L	1 mg/L	101	70.0	130	----



Sub-Matrix: Water					Matrix Spike (MS) Report					
					Spike		Recovery (%)	Recovery Limits (%)		Qualifier
Laboratory sample ID	Client sample ID	Analyte	CAS Number	Method	Concentration	Target	MS	Low	High	
Dissolved Metals (QCLot: 2239516) - continued										
VA25C5300-001	WTP	Manganese, dissolved	7439-96-5	E421	0.0205 mg/L	0.02 mg/L	103	70.0	130	----
		Molybdenum, dissolved	7439-98-7	E421	ND mg/L	----	ND	70.0	130	----
		Nickel, dissolved	7440-02-0	E421	0.0396 mg/L	0.04 mg/L	98.9	70.0	130	----
		Phosphorus, dissolved	7723-14-0	E421	10.8 mg/L	10 mg/L	108	70.0	130	----
		Potassium, dissolved	7440-09-7	E421	ND mg/L	----	ND	70.0	130	----
		Rubidium, dissolved	7440-17-7	E421	0.0198 mg/L	0.02 mg/L	99.1	70.0	130	----
		Selenium, dissolved	7782-49-2	E421	0.0404 mg/L	0.04 mg/L	101	70.0	130	----
		Silicon, dissolved	7440-21-3	E421	10.2 mg/L	10 mg/L	102	70.0	130	----
		Silver, dissolved	7440-22-4	E421	0.00401 mg/L	0.004 mg/L	100	70.0	130	----
		Sodium, dissolved	7440-23-5	E421	ND mg/L	----	ND	70.0	130	----
		Strontium, dissolved	7440-24-6	E421	0.0196 mg/L	0.02 mg/L	98.0	70.0	130	----
		Sulfur, dissolved	7704-34-9	E421	21.0 mg/L	20 mg/L	105	70.0	130	----
		Tellurium, dissolved	13494-80-9	E421	0.0400 mg/L	0.04 mg/L	100.0	70.0	130	----
		Thallium, dissolved	7440-28-0	E421	0.00394 mg/L	0.004 mg/L	98.4	70.0	130	----
		Thorium, dissolved	7440-29-1	E421	0.0201 mg/L	0.02 mg/L	101	70.0	130	----
		Tin, dissolved	7440-31-5	E421	0.0197 mg/L	0.02 mg/L	98.6	70.0	130	----
		Titanium, dissolved	7440-32-6	E421	0.0419 mg/L	0.04 mg/L	105	70.0	130	----
		Tungsten, dissolved	7440-33-7	E421	0.0201 mg/L	0.02 mg/L	100	70.0	130	----
		Uranium, dissolved	7440-61-1	E421	0.00420 mg/L	0.004 mg/L	105	70.0	130	----
		Vanadium, dissolved	7440-62-2	E421	0.103 mg/L	0.1 mg/L	103	70.0	130	----
		Zinc, dissolved	7440-66-6	E421	0.426 mg/L	0.4 mg/L	106	70.0	130	----
		Zirconium, dissolved	7440-67-7	E421	0.0404 mg/L	0.04 mg/L	101	70.0	130	----
Dissolved Metals (QCLot: 2239584)										
VA25C4526-001	Anonymous	Mercury, dissolved	7439-97-6	E509	0.000937 mg/L	0.001 mg/L	93.7	70.0	130	----
Aggregate Organics (QCLot: 2248119)										
VA25C5300-001	WTP	Phenols, total (4AAP)	----	E562	0.0212 mg/L	0.02 mg/L	106	75.0	125	----
Volatile Organic Compounds (QCLot: 2242359)										
VA25C5300-001	WTP	Benzene	71-43-2	E611C	105 µg/L	100 µg/L	105	60.0	140	----
		Bromodichloromethane	75-27-4	E611C	101 µg/L	100 µg/L	101	60.0	140	----
		Bromoform	75-25-2	E611C	102 µg/L	100 µg/L	102	60.0	140	----
		Carbon tetrachloride	56-23-5	E611C	102 µg/L	100 µg/L	102	60.0	140	----
		Chlorobenzene	108-90-7	E611C	110 µg/L	100 µg/L	110	60.0	140	----
		Chloroethane	75-00-3	E611C	110 µg/L	100 µg/L	110	50.0	150	----
		Chloroform	67-66-3	E611C	106 µg/L	100 µg/L	106	60.0	140	----
		Chloromethane	74-87-3	E611C	104 µg/L	100 µg/L	104	50.0	150	----
		Dibromochloromethane	124-48-1	E611C	101 µg/L	100 µg/L	101	60.0	140	----
		Dichlorobenzene, 1,2-	95-50-1	E611C	108 µg/L	100 µg/L	108	60.0	140	----
		Dichlorobenzene, 1,3-	541-73-1	E611C	111 µg/L	100 µg/L	111	60.0	140	----
		Dichlorobenzene, 1,4-	106-46-7	E611C	113 µg/L	100 µg/L	113	60.0	140	----
		Dichloroethane, 1,1-	75-34-3	E611C	106 µg/L	100 µg/L	106	60.0	140	----
		Dichloroethane, 1,2-	107-06-2	E611C	105 µg/L	100 µg/L	105	60.0	140	----
		Dichloroethylene, 1,1-	75-35-4	E611C	99.4 µg/L	100 µg/L	99.4	60.0	140	----
		Dichloroethylene, cis-1,2-	156-59-2	E611C	104 µg/L	100 µg/L	104	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: 2242359) - continued										
VA25C5300-001	WTP	Dichloroethylene, trans-1,2-	156-60-5	E611C	103 µg/L	100 µg/L	103	60.0	140	----
		Dichloromethane	75-09-2	E611C	102 µg/L	100 µg/L	102	60.0	140	----
		Dichloropropane, 1,2-	78-87-5	E611C	107 µg/L	100 µg/L	107	60.0	140	----
		Dichloropropylene, cis-1,3-	10061-01-5	E611C	104 µg/L	100 µg/L	104	60.0	140	----
		Dichloropropylene, trans-1,3-	10061-02-6	E611C	106 µg/L	100 µg/L	106	60.0	140	----
		Ethylbenzene	100-41-4	E611C	109 µg/L	100 µg/L	109	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	108 µg/L	100 µg/L	108	60.0	140	----
		Tetrachloroethane, 1,1,1,2-	630-20-6	E611C	105 µg/L	100 µg/L	105	60.0	140	----
		Tetrachloroethane, 1,1,2,2-	79-34-5	E611C	98.8 µg/L	100 µg/L	98.8	60.0	140	----
		Tetrachloroethylene	127-18-4	E611C	105 µg/L	100 µg/L	105	60.0	140	----
		Toluene	108-88-3	E611C	106 µg/L	100 µg/L	106	60.0	140	----
		Trichloroethane, 1,1,1-	71-55-6	E611C	104 µg/L	100 µg/L	104	60.0	140	----
		Trichloroethane, 1,1,2-	79-00-5	E611C	103 µg/L	100 µg/L	103	60.0	140	----
		Trichloroethylene	79-01-6	E611C	105 µg/L	100 µg/L	105	60.0	140	----
		Trichlorofluoromethane	75-69-4	E611C	110 µg/L	100 µg/L	110	50.0	150	----
		Vinyl chloride	75-01-4	E611C	105 µg/L	100 µg/L	105	50.0	150	----
		Xylene, m+p-	179601-23-1	E611C	221 µg/L	200 µg/L	111	60.0	140	----
		Xylene, o-	95-47-6	E611C	105 µg/L	100 µg/L	105	60.0	140	----
Hydrocarbons (QCLot: 2242358)										
YL2501020-003	Anonymous	VHw (C6-C10)	----	E581.VH+F1	5270 µg/L	6310 µg/L	83.5	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: 2240137)									
QC-2240137-001	RM	Oxidation-reduction potential [ORP]	----	E125	220 mV	101	95.0	105	----

QUALITY CONTROL INTERPRETIVE REPORT

Work Order	: VA25C5300	Page	: 1 of 14
Amendment	: 3		
Client	: Frontier-Kemper Michels Joint Venture	Laboratory	: ALS Environmental - Vancouver
Contact	: Sara Derakhshi	Account Manager	: Kevin Bhikadia
Address	: 404-850 Harbourside Drive North Vancouver BC Canada V7P 0A3	Address	: 8081 Lougheed Highway Burnaby, British Columbia Canada V5A 1W9
Telephone	: ----	Telephone	: +1 604 253 4188
Project	: EGP 150	Date Samples Received	: 24-Sep-2025 21:10
PO	: ----	Issue Date	: 02-Oct-2025 22:00
C-O-C number	: 23-1085359		
Sampler	: ----		
Site	: BCR		
Quote number	: WTP Discharge		
No. of samples received	: 1		
No. of samples analysed	: 1		

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

Key

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

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

DQO: Data Quality Objective.

LOR: Limit of Reporting (detection limit).

RPD: Relative Percent Difference.

Workorder Comments

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

Summary of Outliers

Outliers : Quality Control Samples

- No Method Blank value outliers occur.
- No Duplicate outliers occur.
- No Laboratory Control Sample (LCS) outliers occur
- No Matrix Spike outliers occur.
- No Test sample Surrogate recovery outliers exist.

Outliers: Reference Material (RM) Samples

- No Reference Material (RM) Sample outliers occur.

Outliers : Analysis Holding Time Compliance (Breaches)

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

Outliers : Frequency of Quality Control Samples

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



Analysis Holding Time Compliance

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

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

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

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

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

Analyte Group : Analytical Method	Method	Sampling Date	Extraction / Preparation				Analysis			
Container / Client Sample ID(s)			Preparation Date	Holding Times		Eval	Analysis Date	Holding Times		Eval
				Rec	Actual			Rec	Actual	
Aggregate Organics : Phenols (4AAP) in Water by Colorimetry										
Amber glass total (sulfuric acid) WTP	E562	24-Sep-2025	29-Sep-2025	28 days	5 days	✓	29-Sep-2025	28 days	5 days	✓
Anions and Nutrients : Ammonia by Fluorescence										
Amber glass total (sulfuric acid) WTP	E298	24-Sep-2025	25-Sep-2025	28 days	0 days	✓	25-Sep-2025	28 days	0 days	✓
Anions and Nutrients : Bromide in Water by IC (Low Level)										
HDPE WTP	E235.Br-L	24-Sep-2025	30-Sep-2025	28 days	5 days	✓	30-Sep-2025	28 days	5 days	✓
Anions and Nutrients : Chloride in Water by IC										
HDPE WTP	E235.Cl	24-Sep-2025	30-Sep-2025	28 days	5 days	✓	30-Sep-2025	28 days	5 days	✓
Anions and Nutrients : Fluoride in Water by IC										
HDPE WTP	E235.F	24-Sep-2025	30-Sep-2025	28 days	5 days	✓	30-Sep-2025	28 days	5 days	✓
Anions and Nutrients : Nitrate in Water by IC (Low Level)										
HDPE WTP	E235.NO3-L	24-Sep-2025	30-Sep-2025	3 days	5 days	✗ EHT	30-Sep-2025	3 days	5 days	✗ EHT
Anions and Nutrients : Nitrite in Water by IC (Low Level)										
HDPE WTP	E235.NO2-L	24-Sep-2025	30-Sep-2025	3 days	5 days	✗ EHT	30-Sep-2025	3 days	5 days	✗ EHT



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

Analyte Group : Analytical Method	Method	Sampling Date	Extraction / Preparation				Analysis			
Container / Client Sample ID(s)			Preparation Date	Holding Times		Eval	Analysis Date	Holding Times		Eval
				Rec	Actual			Rec	Actual	
Anions and Nutrients : Sulfate in Water by IC										
HDPE WTP	E235.SO4	24-Sep-2025	30-Sep-2025	28 days	5 days	✓	30-Sep-2025	28 days	5 days	✓
Dissolved Metals : Dissolved Mercury in Water by CVAAS										
HDPE dissolved (nitric acid) WTP	E509	24-Sep-2025	25-Sep-2025	0 hrs	8 hrs	✖ UCP	25-Sep-2025	0 hrs	8 hrs	✖ UCP
Dissolved Metals : Dissolved Metals in Water by CRC ICPMS										
HDPE dissolved (nitric acid) WTP	E421	24-Sep-2025	25-Sep-2025	180 days	0 days	✓	25-Sep-2025	180 days	0 days	✓
Field Tests : Field pH,EC,Salinity, TDS, Cl2,CIO2,ORP,DO, Turbidity,T,T-P,o-PO4,NH3,Chloramine										
HDPE total (nitric acid) WTP	EF001	24-Sep-2025	----	----	----		25-Sep-2025	----	----	
Glycols : Glycols (4 analytes) by GC-FID										
Glass vial (sodium bisulfate) WTP	E680E	24-Sep-2025	02-Oct-2025	14 days	8 days	✓	02-Oct-2025	40 days	0 days	✓
Hydrocarbons : BC PHCs - EPH by GC-FID										
Amber glass/Teflon lined cap (sodium bisulfate) WTP	E601A	24-Sep-2025	30-Sep-2025	14 days	5 days	✓	01-Oct-2025	40 days	1 days	✓
Hydrocarbons : VH and F1 by Headspace GC-FID										
Glass vial (sodium bisulfate) WTP	E581.VH+F1	24-Sep-2025	25-Sep-2025	14 days	1 days	✓	26-Sep-2025	14 days	1 days	✓
Organic / Inorganic Carbon : Dissolved Organic Carbon by Combustion (Low Level)										
Amber glass - dissolved (unpreserved) WTP	E358-L	24-Sep-2025	25-Sep-2025	3 days	0 days	✓	25-Sep-2025	28 days	0 days	✓
Organic / Inorganic Carbon : Total Organic Carbon (Non-Purgeable) by Combustion (Low Level)										
Amber glass total (sulfuric acid) WTP	E355-L	24-Sep-2025	02-Oct-2025	28 days	8 days	✓	02-Oct-2025	28 days	8 days	✓



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

Analyte Group : Analytical Method	Method	Sampling Date	Extraction / Preparation				Analysis			
Container / Client Sample ID(s)			Preparation Date	Holding Times		Eval	Analysis Date	Holding Times		Eval
				Rec	Actual			Rec	Actual	
Physical Tests : Alkalinity Species by Titration										
HDPE WTP	E290	24-Sep-2025	24-Sep-2025	14 days	0 days	✓	25-Sep-2025	14 days	0 days	✓
Physical Tests : Conductivity in Water										
HDPE WTP	E100	24-Sep-2025	24-Sep-2025	28 days	0 days	✓	25-Sep-2025	28 days	0 days	✓
Physical Tests : ORP by Electrode										
HDPE WTP	E125	24-Sep-2025	----	----	----		25-Sep-2025	0.25 hrs	15 hrs	✖ EHTR-FM
Physical Tests : pH by Meter										
HDPE WTP	E108	24-Sep-2025	24-Sep-2025	0.25 hrs	6 hrs	✖ EHTR-FM	25-Sep-2025	0.25 hrs	6 hrs	✖ EHTR-FM
Physical Tests : TDS by Gravimetry										
HDPE WTP	E162	24-Sep-2025	----	----	----		24-Sep-2025	7 days	0 days	✓
Physical Tests : TSS by Gravimetry										
HDPE WTP	E160	24-Sep-2025	----	----	----		24-Sep-2025	7 days	0 days	✓
Physical Tests : Turbidity by Nephelometry										
HDPE WTP	E121	24-Sep-2025	----	----	----		25-Sep-2025	3 days	1 days	✓
Polycyclic Aromatic Hydrocarbons : PAHs in Water by Hexane LVI GC-MS										
Amber glass/Teflon lined cap (sodium bisulfate) WTP	E641A	24-Sep-2025	30-Sep-2025	14 days	5 days	✓	30-Sep-2025	40 days	1 days	✓
Total Metals : Total Mercury in Water by CVAAS										
HDPE total (nitric acid) WTP	E508	24-Sep-2025	25-Sep-2025	0 hrs	7 hrs	✖ UCP	25-Sep-2025	0 hrs	7 hrs	✖ UCP



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

Analyte Group : Analytical Method Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times		Eval	Analysis Date	Holding Times		Eval
				Rec	Actual			Rec	Actual	
Total Metals : Total Metals in Water by CRC ICPMS										
HDPE total (nitric acid) WTP	E420	24-Sep-2025	25-Sep-2025	180 days	0 days	✓	25-Sep-2025	180 days	0 days	✓
Volatile Organic Compounds : VOCs (BC List) by Headspace GC-MS										
Glass vial (sodium bisulfate) WTP	E611C	24-Sep-2025	25-Sep-2025	14 days	1 days	✓	26-Sep-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).

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



Quality Control Parameter Frequency Compliance

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

Matrix: **Water**

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

Quality Control Sample Type			Count		Frequency (%)		
Analytical Methods	Method	QC Lot #	QC	Regular	Actual	Expected	Evaluation
Laboratory Duplicates (DUP)							
Conductivity in Water	E100	2239503	1	1	100.0	5.0	✓
pH by Meter	E108	2239501	1	3	33.3	5.0	✓
Turbidity by Nephelometry	E121	2240127	1	20	5.0	5.0	✓
ORP by Electrode	E125	2240137	1	4	25.0	5.0	✓
TSS by Gravimetry	E160	2239515	1	2	50.0	5.0	✓
TDS by Gravimetry	E162	2239512	1	5	20.0	5.0	✓
Bromide in Water by IC (Low Level)	E235.Br-L	2249031	1	5	20.0	5.0	✓
Chloride in Water by IC	E235.Cl	2249030	1	7	14.2	5.0	✓
Fluoride in Water by IC	E235.F	2249029	1	5	20.0	5.0	✓
Nitrite in Water by IC (Low Level)	E235.NO2-L	2249033	1	5	20.0	5.0	✓
Nitrate in Water by IC (Low Level)	E235.NO3-L	2249032	1	5	20.0	5.0	✓
Sulfate in Water by IC	E235.SO4	2249034	1	8	12.5	5.0	✓
Alkalinity Species by Titration	E290	2239502	0	2	0.0	5.0	✗
Ammonia by Fluorescence	E298	2239536	1	8	12.5	5.0	✓
Total Organic Carbon (Non-Purgeable) by Combustion (Low Level)	E355-L	2254859	1	4	25.0	5.0	✓
Dissolved Organic Carbon by Combustion (Low Level)	E358-L	2239531	1	8	12.5	5.0	✓
Total Metals in Water by CRC ICPMS	E420	2239513	1	2	50.0	5.0	✓
Dissolved Metals in Water by CRC ICPMS	E421	2239516	1	2	50.0	5.0	✓
Total Mercury in Water by CVAAS	E508	2239575	1	7	14.2	5.0	✓
Dissolved Mercury in Water by CVAAS	E509	2239584	1	19	5.2	5.0	✓
Phenols (4AAP) in Water by Colorimetry	E562	2248119	1	20	5.0	5.0	✓
VH and F1 by Headspace GC-FID	E581.VH+F1	2242358	1	7	14.2	5.0	✓
VOCs (BC List) by Headspace GC-MS	E611C	2242359	1	1	100.0	5.0	✓
Glycols (4 analytes) by GC-FID	E680E	2253984	1	1	100.0	5.0	✓
Laboratory Control Samples (LCS)							
Conductivity in Water	E100	2239503	1	1	100.0	5.0	✓
pH by Meter	E108	2239501	1	3	33.3	5.0	✓
Turbidity by Nephelometry	E121	2240127	1	20	5.0	5.0	✓
ORP by Electrode	E125	2240137	1	4	25.0	5.0	✓
TSS by Gravimetry	E160	2239515	1	2	50.0	5.0	✓
TDS by Gravimetry	E162	2239512	1	5	20.0	5.0	✓
Bromide in Water by IC (Low Level)	E235.Br-L	2249031	1	5	20.0	5.0	✓
Chloride in Water by IC	E235.Cl	2249030	1	7	14.2	5.0	✓
Fluoride in Water by IC	E235.F	2249029	1	5	20.0	5.0	✓
Nitrite in Water by IC (Low Level)	E235.NO2-L	2249033	1	5	20.0	5.0	✓
Nitrate in Water by IC (Low Level)	E235.NO3-L	2249032	1	5	20.0	5.0	✓



Matrix: **Water**

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

Quality Control Sample Type			Count		Frequency (%)		
Analytical Methods	Method	QC Lot #	QC	Regular	Actual	Expected	Evaluation
Laboratory Control Samples (LCS) - Continued							
Sulfate in Water by IC	E235.SO4	2249034	1	8	12.5	5.0	✔
Alkalinity Species by Titration	E290	2239502	1	2	50.0	5.0	✔
Ammonia by Fluorescence	E298	2239536	1	8	12.5	5.0	✔
Total Organic Carbon (Non-Purgeable) by Combustion (Low Level)	E355-L	2254859	1	4	25.0	5.0	✔
Dissolved Organic Carbon by Combustion (Low Level)	E358-L	2239531	1	8	12.5	5.0	✔
Total Metals in Water by CRC ICPMS	E420	2239513	1	2	50.0	5.0	✔
Dissolved Metals in Water by CRC ICPMS	E421	2239516	1	2	50.0	5.0	✔
Total Mercury in Water by CVAAS	E508	2239575	1	7	14.2	5.0	✔
Dissolved Mercury in Water by CVAAS	E509	2239584	1	19	5.2	5.0	✔
Phenols (4AAP) in Water by Colorimetry	E562	2248119	1	20	5.0	5.0	✔
VH and F1 by Headspace GC-FID	E581.VH+F1	2242358	1	7	14.2	5.0	✔
BC PHCs - EPH by GC-FID	E601A	2248963	1	19	5.2	5.0	✔
VOCs (BC List) by Headspace GC-MS	E611C	2242359	1	1	100.0	5.0	✔
PAHs in Water by Hexane LVI GC-MS	E641A	2248964	1	18	5.5	5.0	✔
Glycols (4 analytes) by GC-FID	E680E	2253984	1	1	100.0	5.0	✔
Method Blanks (MB)							
Conductivity in Water	E100	2239503	1	1	100.0	5.0	✔
Turbidity by Nephelometry	E121	2240127	1	20	5.0	5.0	✔
TSS by Gravimetry	E160	2239515	1	2	50.0	5.0	✔
TDS by Gravimetry	E162	2239512	1	5	20.0	5.0	✔
Bromide in Water by IC (Low Level)	E235.Br-L	2249031	1	5	20.0	5.0	✔
Chloride in Water by IC	E235.Cl	2249030	1	7	14.2	5.0	✔
Fluoride in Water by IC	E235.F	2249029	1	5	20.0	5.0	✔
Nitrite in Water by IC (Low Level)	E235.NO2-L	2249033	1	5	20.0	5.0	✔
Nitrate in Water by IC (Low Level)	E235.NO3-L	2249032	1	5	20.0	5.0	✔
Sulfate in Water by IC	E235.SO4	2249034	1	8	12.5	5.0	✔
Alkalinity Species by Titration	E290	2239502	1	2	50.0	5.0	✔
Ammonia by Fluorescence	E298	2239536	1	8	12.5	5.0	✔
Total Organic Carbon (Non-Purgeable) by Combustion (Low Level)	E355-L	2254859	1	4	25.0	5.0	✔
Dissolved Organic Carbon by Combustion (Low Level)	E358-L	2239531	1	8	12.5	5.0	✔
Total Metals in Water by CRC ICPMS	E420	2239513	1	2	50.0	5.0	✔
Dissolved Metals in Water by CRC ICPMS	E421	2239516	1	2	50.0	5.0	✔
Total Mercury in Water by CVAAS	E508	2239575	1	7	14.2	5.0	✔
Dissolved Mercury in Water by CVAAS	E509	2239584	1	19	5.2	5.0	✔
Phenols (4AAP) in Water by Colorimetry	E562	2248119	1	20	5.0	5.0	✔
VH and F1 by Headspace GC-FID	E581.VH+F1	2242358	1	7	14.2	5.0	✔
BC PHCs - EPH by GC-FID	E601A	2248963	1	19	5.2	5.0	✔
VOCs (BC List) by Headspace GC-MS	E611C	2242359	1	1	100.0	5.0	✔
PAHs in Water by Hexane LVI GC-MS	E641A	2248964	1	18	5.5	5.0	✔



Matrix: **Water**

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

Quality Control Sample Type			Count		Frequency (%)		
Analytical Methods	Method	QC Lot #	QC	Regular	Actual	Expected	Evaluation
Method Blanks (MB) - Continued							
Glycols (4 analytes) by GC-FID	E680E	2253984	1	1	100.0	5.0	✔
Matrix Spikes (MS)							
Bromide in Water by IC (Low Level)	E235.Br-L	2249031	1	5	20.0	5.0	✔
Chloride in Water by IC	E235.Cl	2249030	1	7	14.2	5.0	✔
Fluoride in Water by IC	E235.F	2249029	1	5	20.0	5.0	✔
Nitrite in Water by IC (Low Level)	E235.NO2-L	2249033	1	5	20.0	5.0	✔
Nitrate in Water by IC (Low Level)	E235.NO3-L	2249032	1	5	20.0	5.0	✔
Sulfate in Water by IC	E235.SO4	2249034	1	8	12.5	5.0	✔
Ammonia by Fluorescence	E298	2239536	1	8	12.5	5.0	✔
Total Organic Carbon (Non-Purgeable) by Combustion (Low Level)	E355-L	2254859	1	4	25.0	5.0	✔
Dissolved Organic Carbon by Combustion (Low Level)	E358-L	2239531	1	8	12.5	5.0	✔
Total Metals in Water by CRC ICPMS	E420	2239513	1	2	50.0	5.0	✔
Dissolved Metals in Water by CRC ICPMS	E421	2239516	1	2	50.0	5.0	✔
Total Mercury in Water by CVAAS	E508	2239575	1	7	14.2	5.0	✔
Dissolved Mercury in Water by CVAAS	E509	2239584	1	19	5.2	5.0	✔
Phenols (4AAP) in Water by Colorimetry	E562	2248119	1	20	5.0	5.0	✔
VH and F1 by Headspace GC-FID	E581.VH+F1	2242358	1	7	14.2	5.0	✔
VOCs (BC List) by Headspace GC-MS	E611C	2242359	1	1	100.0	5.0	✔



Methodology References and Summaries

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

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



Analytical Methods	Method / Lab	Matrix	Method Reference	Method Descriptions
Nitrite in Water by IC (Low Level)	E235.NO2-L ALS Environmental - Vancouver	Water	EPA 300.1 (mod)	Inorganic anions are analyzed by Ion Chromatography with conductivity and/or UV detection.
Nitrate in Water by IC (Low Level)	E235.NO3-L ALS Environmental - Vancouver	Water	EPA 300.1 (mod)	Inorganic anions are analyzed by Ion Chromatography with conductivity and/or UV detection.
Sulfate in Water by IC	E235.SO4 ALS Environmental - Vancouver	Water	EPA 300.1 (mod)	Inorganic anions are analyzed by Ion Chromatography with conductivity and/or UV detection.
Alkalinity Species by Titration	E290 ALS Environmental - Vancouver	Water	APHA 2320 B (mod)	Total alkalinity is determined by potentiometric titration to a pH 4.5 endpoint. Bicarbonate, carbonate and hydroxide alkalinity are calculated from phenolphthalein alkalinity and total alkalinity values.
Ammonia by Fluorescence	E298 ALS Environmental - Vancouver	Water	Method Fialab 100, 2018	Ammonia in water is determined by automated continuous flow analysis with membrane diffusion and fluorescence detection, after reaction with OPA (ortho-phthalaldehyde). This method is approved under US EPA 40 CFR Part 136 (May 2021)
Total Organic Carbon (Non-Purgeable) by Combustion (Low Level)	E355-L ALS Environmental - Vancouver	Water	APHA 5310 B (mod)	Total Organic Carbon (Non-Purgeable), also known as NPOC (total), is a direct measurement of TOC after an acidified sample has been purged to remove carbonate-based Inorganic Carbon (IC). Analysis is by high temperature combustion with infrared detection of CO ₂ . Forms of carbon associated with inorganic or organic molecules (e.g. SCN and CN) are included in NPOC if they are not removed by purging under acidic conditions. Notably, NPOC excludes most volatile organic compounds and free cyanide. For samples where the majority of Total Carbon is inorganic, this method provides greater accuracy and reliability versus the TOC by subtraction method (TC minus TIC).
Dissolved Organic Carbon by Combustion (Low Level)	E358-L ALS Environmental - Vancouver	Water	APHA 5310 B (mod)	Dissolved Organic Carbon (Non-Purgeable), also known as NPOC (dissolved), is a direct measurement of DOC after a filtered (0.45 micron) sample has been acidified and purged to remove inorganic carbon (IC). Analysis is by high temperature combustion with infrared detection of CO ₂ . NPOC does not include volatile organic species that are purged off with IC. For samples where the majority of DC (dissolved carbon) is comprised of IC (which is common), this method is more accurate and more reliable than the DOC by subtraction method (i.e. DC minus DIC).
Total Metals in Water by CRC ICPMS	E420 ALS Environmental - Vancouver	Water	EPA 200.2/6020B (mod)	Water samples are digested with nitric and hydrochloric acids, and analyzed by Collision/Reaction Cell ICPMS. Method Limitation (re: Sulfur): Sulfide and volatile sulfur species may not be recovered by this method.



Analytical Methods	Method / Lab	Matrix	Method Reference	Method Descriptions
Dissolved Metals in Water by CRC ICPMS	E421 ALS Environmental - Vancouver	Water	APHA 3030B/EPA 6020B (mod)	Water samples are filtered (0.45 um), preserved with nitric acid, and analyzed by Collision/Reaction Cell ICPMS. Method Limitation (re: Sulfur): Sulfide and volatile sulfur species may not be recovered by this method.
Total Mercury in Water by CVAAS	E508 ALS Environmental - Vancouver	Water	EPA 1631E (mod)	Water samples undergo a cold-oxidation using bromine monochloride prior to reduction with stannous chloride, and analyzed by CVAAS
Dissolved Mercury in Water by CVAAS	E509 ALS Environmental - Vancouver	Water	APHA 3030B/EPA 1631E (mod)	Water samples are filtered (0.45 um), preserved with HCl, then undergo a cold-oxidation using bromine monochloride prior to reduction with stannous chloride, and analyzed by CVAAS.
Phenols (4AAP) in Water by Colorimetry	E562 ALS Environmental - Edmonton	Water	EPA 9066	This automated method is based on the distillation of phenol and subsequent reaction of the distillate with alkaline ferricyanide (K ₃ Fe(CN) ₆) and 4-amino-antipyrine (4-AAP) to form a red complex which is measured colorimetrically.
VH and F1 by Headspace GC-FID	E581.VH+F1 ALS Environmental - Vancouver	Water	BC MOE Lab Manual / CCME PHC in Soil - Tier 1 (mod)	Volatile Hydrocarbons (VH and F1) is analyzed by static headspace GC-FID. Samples are prepared in headspace vials and are heated and agitated on the headspace autosampler, causing VOCs to partition between the aqueous phase and the headspace in accordance with Henry's law. Analytical methods for CCME Petroleum Hydrocarbons (PHCs) are validated to comply fully with the Reference Method for the Canada-Wide Standard for PHC. Unless qualified, all required quality control criteria of the CCME PHC method have been met, including response factor and linearity requirements.
BC PHCs - EPH by GC-FID	E601A ALS Environmental - Vancouver	Water	BC MOE Lab Manual	Sample extracts are analyzed by GC-FID for BC hydrocarbon fractions.
VOCs (BC List) by Headspace GC-MS	E611C ALS Environmental - Vancouver	Water	EPA 8260D (mod)	Volatile Organic Compounds (VOCs) are analyzed by static headspace GC-MS. Samples are prepared in headspace vials and are heated and agitated on the headspace autosampler, causing VOCs to partition between the aqueous phase and the headspace in accordance with Henry's law. Total Xylenes is the sum of m,p-Xylene & o-Xylene. Total BTEX is the sum of Benzene, Toluene, Ethylbenzene, & Total Xylenes. Total BTEX+Styrene is the sum of Total BTEX & Styrene. Total Trihalomethanes [THMs] is the sum of Bromodichloromethane, Bromoform, Chloroform, & Dibromochloromethane.
PAHs in Water by Hexane LVI GC-MS	E641A ALS Environmental - Vancouver	Water	EPA 8270E (mod)	Polycyclic Aromatic Hydrocarbons (PAHs) are analyzed by large volume injection (LVI) GC-MS.



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

Preparation Methods	Method / Lab	Matrix	Method Reference	Method Descriptions
Preparation for Ammonia	EP298 ALS Environmental - Vancouver	Water		Sample preparation for Preserved Nutrients Water Quality Analysis.
Preparation for Total Organic Carbon by Combustion	EP355 ALS Environmental - Vancouver	Water		Preparation for Total Organic Carbon by Combustion



Preparation Methods	Method / Lab	Matrix	Method Reference	Method Descriptions
Preparation for Dissolved Organic Carbon for Combustion	EP358 ALS Environmental - Vancouver	Water	APHA 5310 B (mod)	Preparation for Dissolved Organic Carbon
Dissolved Metals Water Filtration	EP421 ALS Environmental - Vancouver	Water	APHA 3030B	Water samples are filtered (0.45 um), and preserved with HNO ₃ .
Dissolved Mercury Water Filtration	EP509 ALS Environmental - Vancouver	Water	APHA 3030B	Water samples are filtered (0.45 um), and preserved with HCl.
VOCs Preparation for Headspace Analysis	EP581 ALS Environmental - Vancouver	Water	EPA 5021A (mod)	Samples are prepared in headspace vials and are heated and agitated on the headspace autosampler. An aliquot of the headspace is then injected into a GC-MS-FID.
PHCs and PAHs Hexane Extraction	EP601 ALS Environmental - Vancouver	Water	EPA 3511 (mod)	Petroleum Hydrocarbons (PHCs) and Polycyclic Aromatic Hydrocarbons (PAHs) are extracted using a hexane liquid-liquid extraction.
Glycols Extraction and Derivatization (BC Only)	EP680E ALS Environmental - Vancouver	Water	EPA 8015D (mod)	Aqueous sample is derivatized and extracted with organic solvent.



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

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