

Analytical Report

Bill To: Cash Account

Project ID:

Lot ID: **1904170**

Project Name:

Control Number:

P.O.: 1904170

Date Received: Jun 23, 2026

Proj. Acct. code:

Date Reported: Jun 30, 2026

Attn:

Report Number: 3280009

Sampled By:

Report Type: Final Report

Company:

Reference Number 1904170-1
Sample Date June 23, 2026
Sample Time 12:00
Sample Location
Sample Description Lynn Valley Spring - 4778 Lynn Valley Road / 9.5 °C
Sample Matrix Drinking Water

Analyte		Units	Result	Nominal DL	Guideline Limit	Guideline Comments
Metals Extractable						
Aluminum	Extractable	mg/L	<0.002	0.002	0.1 OG, 2.9 MAC	Below OG
Antimony	Extractable	mg/L	<0.0002	0.0002	0.006	Below MAC
Arsenic	Extractable	mg/L	0.0003	0.0002	0.010	Below MAC
Barium	Extractable	mg/L	0.003	0.001	2.0	Below MAC
Boron	Extractable	mg/L	0.005	0.002	5	Below MAC
Cadmium	Extractable	mg/L	<0.00001	0.00001	0.007	Below MAC
Chromium	Extractable	mg/L	<0.0005	0.0005	0.05	Below MAC
Copper	Extractable	mg/L	<0.001	0.001	1 AO, 2 MAC	Below AO
Lead	Extractable	mg/L	<0.0001	0.0001	0.005	Below MAC
Selenium	Extractable	mg/L	<0.0002	0.002	0.05	Below MAC
Strontium	Extractable	mg/L	0.092	0.005	7.0	Below MAC
Uranium	Extractable	mg/L	<0.0005	0.0005	0.02	Below MAC
Vanadium	Extractable	mg/L	0.0013	0.0003		
Zinc	Extractable	mg/L	<0.001	0.001	5.0	Below AO
Metals Total						
Mercury	Total	mg/L	<0.00001	0.00001	0.001	Below MAC
Microbiological Analysis						
Total Coliforms	Enzyme Substrate Test	MPN/100 mL	11.1	1.0	0 per 100 mL	Above MAC
Escherichia coli	Enzyme Substrate Test	MPN/100 mL	<1.0	1.0	0 per 100 mL	Below MAC
Physical and Aggregate Properties						
Colour	True	Colour units	<5	5		
Turbidity		NTU	0.27	0.1		
Routine Water						
pH			6.84	0.01	7.0-10.5	Below Recommended Range
pH - Holding Time			Exceeded			
Temp. of observed pH		°C	20.4			
Electrical Conductivity	at 25 °C	µS/cm	168	1		
Calcium	Extractable	mg/L	16	0.2		
Iron	Extractable	mg/L	<0.01	0.01	0.1	Below AO
Magnesium	Extractable	mg/L	3.8	0.2		
Manganese	Extractable	mg/L	<0.005	0.005	0.02 AO, 0.12 MAC	Below AO
Potassium	Extractable	mg/L	1.9	0.4		
Silicon	Extractable	mg/L	13	0.05		
Sodium	Extractable	mg/L	8.0	0.4	200	Below AO
T-Alkalinity	as CaCO3	mg/L	36	5		
Chloride	Dissolved	mg/L	24.4	0.05	250	Below AO

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Sample Time	12:00
Sample Location	
Sample Description	Lynn Valley Spring - 4778 Lynn Valley Road / 9.5 °C
Sample Matrix	Drinking Water

Analyte		Units	Result	Nominal DL	Guideline Limit	Guideline Comments
Routine Water - Continued						
Fluoride	Dissolved	mg/L	<0.01	0.01	1.5	Below MAC
Nitrate - N	Dissolved	mg/L	0.57	0.01	10	Below MAC
Nitrite - N	Dissolved	mg/L	<0.01	0.01	1.0	Below MAC
Sulfate (SO4)	Dissolved	mg/L	3.7	0.1	500	Below AO
Hardness	as CaCO3 (extractable)	mg/L	57	1		
Total Dissolved Solids	Extractable	mg/L	117	1	500	Below AO

Approved by:



Carol Nam, Dipl. T.

Quality Assurance Coordinator

Data have been validated by Analytical Quality Control and Element's Integrated Data Validation System (IDVS).
Generation and distribution of the report, and approval by the digitized signature above, are performed through a secure and controlled automatic process.

Methodology and Notes

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Method of Analysis

Method Name	Reference	Method	Date Analysis Started	Location
Alk, pH, EC, Turb in water (BC)	APHA	* Alkalinity - Titration Method, 2320 B	Jun 24, 2026	Element Vancouver
Alk, pH, EC, Turb in water (BC)	APHA	* Conductivity, 2510 B	Jun 24, 2026	Element Vancouver
Alk, pH, EC, Turb in water (BC)	APHA	* pH - Electrometric Method, 4500-H+ B	Jun 24, 2026	Element Vancouver
Anions by IEC in water (VAN)	APHA	* Ion Chromatography with Chemical Suppression of Eluent Cond., 4110 B	Jun 24, 2026	Element Vancouver
Mercury Low Level (Total) in water (VAN)	EPA	* Mercury in Water by Cold Vapor Atomic Fluorescence Spectrometry, 245.7	Jun 24, 2026	Element Vancouver
Metals SemiTrace (Extractable) in water (VAN)	US EPA	* Metals & Trace Elements by ICP-AES, 6010C	Jun 24, 2026	Element Vancouver
Total and E-Coli - Colilert - DW (VAN)	APHA	Enzyme Substrate Test, APHA 9223 B	Jun 23, 2026	Element Vancouver
Trace Metals (extractable) in Water (VAN)	US EPA	* Determination of Trace Elements in Waters and Wastes by ICP-MS, 200.8	Jun 24, 2026	Element Vancouver
True Color in water (VAN)	APHA	* Spectrophotometric - Single Wavelength Method, 2120 C	Jun 24, 2026	Element Vancouver
Turbidity - Water (VAN)	APHA	* Turbidity - Nephelometric Method, 2130 B	Jun 24, 2026	Element Vancouver

* Reference Method Modified

References

APHA	Standard Methods for the Examination of Water and Wastewater
EPA	Environmental Protection Agency Test Methods - US
US EPA	US Environmental Protection Agency Test Methods

Guidelines

Guideline Description	Health Canada GCDWQ
Guideline Source	Guidelines for Canadian Drinking Water Quality, Health Canada, December 2025
Guideline Comments	MAC = Maximum Acceptable Concentration AO = Aesthetic Objective OG = Operational Guideline for Water Treatment Plants (does not apply to private groundwater wells). Refer to Health Canada for complete guidelines at www.hc-sc.gc.ca

The comparison of test results to guideline limits is provided for information purposes only. This is not to be taken as a statement of conformance / nonconformance to any guideline, regulation or limit. The data user is responsible for all conclusions drawn with respect to the data and is advised to consult official regulatory references when evaluating compliance.

Please direct any inquiries regarding this report to our Client Services group.

Results relate only to samples as submitted.

The test report shall not be reproduced except in full, without the written approval of the laboratory.