

DRINKING WATER SYSTEM ANNUAL REPORT

Reporting Period: January 1st to December 31st, (year)

Water System

Water System Owner

Primary Contact Name (Operator or Manager)

Phone Number (Operator or Manager)

E-mail (Operator or Manager)

DESCRIBE YOUR WATER SUPPLY SYSTEM

What is the Source(s) of Raw Water?

☐ Deep Well ☐ Shallow Well ☐ Surface Water ☐ Other

If other, specify details:

Does the Drinking Water System have Primary Disinfection?

☐ Yes ☐ No

☐ Chlorination ☐ Ultraviolet Light ☐ Ozone ☐ Other

If other, specify details:

Does the Drinking Water System have Secondary Disinfection?

☐ Yes ☐ No

☐ Chlorination ☐ Other

If other, specify details:

Does the Drinking Water System have Filtration?

☐ Yes ☐ No

Check all boxes that apply

☐ Cartridge Filter(s) ☐ Carbon Filter ☐ Sand Filtration ☐ Reverse Osmosis ☐ Other

If other, specify details:

PUBLIC REPORTING

Emergency Response & Contingency Plan (ERCP)

Is your ERCP up to Date? ☐ Yes ☐ No

How do you Inform the System Users of the ERCP?

☐ Hand Delivered ☐ Bulletin Board ☐ Newspaper ☐ Utility Bill Insert ☐ Website

☐ Other (specify details)

Drinking Water System Annual Report

How do you Inform the System Users of the Annual Report?

☐ Hand Delivered ☐ Bulletin Board ☐ Newspaper ☐ Utility Bill Insert ☐ Website

☐ Other (specify details)

COMPLIANCE WITH OPERATING PERMIT

List the conditions that have been placed on your Operating Permit (if you have conditions, these will be stated on your permit):

Are you in compliance with the conditions listed on your Operating Permit? ☐ Yes ☐ No ☐ N/A

BACTERIOLOGICAL TESTING AND DRINKING WATER PROTECTION REGULATION WATER QUALITY STANDARDS

How many bacteriological samples were collected during this reporting period? _____

What is the minimum required sampling frequency for this system? (#samples/month) _____

Additional sampling details: _____

Was the minimum required sampling frequency achieved? ☐ Yes ☐ No

Comments: _____

Bacteriological summary attached to this report? ☐ Yes ☐ No

If no, how do the users of the system view the results? _____

WATER QUALITY STANDARDS FOR POTABLE WATER

Parameter:	Standard:	Did this system meet standard?	
Escherichia coli (for all samples)	No detectable <i>Escherichia coli</i> per 100ml	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Total Coliform Bacteria (if only 1 sample collected in a 30 day period)	No detectable total coliform bacteria per 100ml	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Total Coliform Bacteria (if more than 1 sample collected in a 30 day period)	No more than 10% of samples contain total coliform bacteria, and No sample has more than 10 total coliform bacteria per 100ml	<input type="checkbox"/> Yes	<input type="checkbox"/> No

If the system did not meet any of above Drinking Water Protection Regulation standards, record the results in the table below; attach additional sheets if necessary.

Date	TC/100ml	E.coli/100ml	Reason	Corrective Action

CHEMICAL SAMPLING COMPLETED DURING THIS REPORTING PERIOD

Was any chemical sampling conducted during reporting period? ☐ Yes ☐ No

If no, when were the last chemical samples conducted for this system?

(date) ☐ Don't Know ☐ Never

If yes, did all water samples meet the Guidelines for Canadian Drinking Water Quality?

☐ Yes ☐ No

If any water samples did not meet the Guidelines for Canadian Drinking Water Quality, record the results in the table below; attach additional sheets if necessary.

Parameter	Result	Corrective Action / Treatment / Comments

ADDITIONAL TESTING

Does the system have analyzers for continuous monitoring? ☐ Yes ☐ No

If yes, check all boxes that apply:

☐ Chlorine ☐ Turbidity ☐ Other (details)

Are the results available on request?

If any additional testing or sampling was conducted, record results in the table below; attach additional sheets if necessary.

Additional Testing & Reason for Sampling	Corrective Action Taken

WATER QUALITY COMPLAINTS

Were there any water quality complaints in this reporting period? (e.g. taste, odour, colour etc.) ☐ Yes ☐ No

If yes, complete the table below; attach additional sheets if necessary.

Date	Water Quality Complaint	Corrective Action / Treatment

OPERATIONAL PROBLEMS

Were there any operational problems during this reporting period? (e.g. insufficient water supply, malfunction of disinfection equipment, line breaks, elevated turbidity etc.).

☐ Yes☐ No

If yes, complete the table below; attach additional sheets if necessary.

Incident Date	Type of Operational Problem	Corrective Action Taken

MAJOR UPGRADES/REPAIRS & EXPENSES

Were there any major upgrades/repairs or any major costs incurred during this reporting period?

☐ Yes☐ No

If yes, complete the table below; attach additional sheets if necessary.

Major Upgrades/Expenses	Details
Improvements required by DWO	
Additions/changes to system	
Purchase or install new equipment	
Equipment repair or replacement	
Annual maintenance of system	
Specialist report	
Other	

FUTURE IMPROVEMENTS

Are there any plans for future improvements?

☐ Yes☐ No

If yes, complete the table below; attach additional sheets if necessary.

Future Upgrades or Improvements	Estimated Date of Completion

DATE COMPLETED:**COMPLETED BY:**

Sample Range Report

Fraser Health Authority

Facility Name: Village Of Harrison Hot Springs WS
Date Range: Jan 1 2024 to Dec 31 2024

Operator Tyler Simmonds
 BOX 160, 495 Hot Springs Rd
 Harrison Hot Springs, BC V0M 1K0

Sampling Site	Date Collected	Total Coliform	E. Coli	Fecal Coliform
<u>Boat Launch</u>				
<u>Washrooms,</u>				
<u>Harrison Hotsprings</u>				
	2-5-2024 10:40:00 AM	LT1	LT1	
	3-25-2024 10:40:00 AM	LT1	LT1	
	5-13-2024 7:50:00 AM	LT1	LT1	
	7-2-2024 9:15:00 AM	LT1	LT1	
	8-19-2024 10:30:00 AM	LT1	LT1	
	10-7-2024 10:45:00 AM	<u>LT1</u>	<u>LT1</u>	
	Total Positive:	0	0	0
<u>170 Cedar Avenue,</u>				
<u>170 Cedar Avenue</u>				
	1-29-2024 10:20:00 AM	LT1	LT1	
	3-18-2024 10:50:00 AM	LT1	LT1	
	5-7-2024 8:00:00 AM	LT1	LT1	
	6-24-2024 10:00:00 AM	LT1	LT1	
	8-12-2024 10:20:00 AM	LT1	LT1	
	10-1-2024 10:40:00 AM	LT1	LT1	
	11-18-2024 10:30:00 AM	<u>LT1</u>	<u>LT1</u>	
	Total Positive:	0	0	0
<u>459 Naismith West</u>				
<u>End, 459 Naismith</u>				
	1-2-2024 10:45:00 AM	LT1	LT1	
	2-20-2024 10:45:00	LT1	LT1	

AM			
4-8-2024 10:30:00	LT1	LT1	
AM			
5-27-2024 9:30:00	LT1	LT1	
AM			
7-15-2024 10:45:00	LT1	LT1	
AM			
9-3-2024 10:50:00	LT1	LT1	
AM			
10-22-2024 10:00:00	LT1	LT1	
AM			
12-9-2024 10:50:00	<u>LT1</u>	<u>LT1</u>	
AM			
Total Positive:	0	0	0

Beach Washrooms,
Harrison Lake beach

1-8-2024 10:40:00	LT1	LT1	
AM			
2-26-2024 10:35:00	LT1	LT1	
AM			
4-15-2024 10:40:00	LT1	LT1	
AM			
6-3-2024 10:50:00	LT1	LT1	
AM			
7-22-2024 10:35:00	LT1	LT1	
AM			
9-9-2024 10:40:00	LT1	LT1	
AM			
10-28-2024 10:30:00	LT1	LT1	
AM			
12-16-2024 9:00:00	<u>LT1</u>	<u>LT1</u>	
AM			
Total Positive:	0	0	0

526 Driftwood, 526
Driftwood

6-3-2024 10:45:00	LT1	LT1	
AM			
7-22-2024 10:45:00	LT1	LT1	
AM			
9-9-2024 10:55:00	LT1	LT1	
AM			
10-28-2024 10:50:00	<u>LT1</u>	<u>LT1</u>	
AM			
Total Positive:	0	0	0

973 Hotsprings
Road Tap, 973
Hotsprings Road

1-15-2024 10:45:00	LT1	LT1	
AM			
3-4-2024 10:45:00	LT1	LT1	

AM			
4-22-2024 10:45:00	LT1	LT1	
AM			
6-10-2024 11:10:00	LT1	LT1	
AM			
7-29-2024 11:30:00	LT1	LT1	
AM			
9-16-2024 9:30:00	LT1	LT1	
AM			
11-4-2024 10:15:00	<u>LT1</u>	<u>LT1</u>	
AM			
Total Positive:	0	0	0

Public Works Office,
Public Works Office

1-15-2024 10:15:00	LT1	LT1	
AM			
3-4-2024 10:35:00	LT1	LT1	
AM			
4-22-2024 10:20:00	LT1	LT1	
AM			
6-10-2024 10:20:00	LT1	LT1	
AM			
7-29-2024 10:45:00	LT1	LT1	
AM			
9-16-2024 9:30:00	LT1	LT1	
AM			
11-4-2024 10:00:00	<u>LT1</u>	<u>LT1</u>	
AM			
Total Positive:	0	0	0

Water Treatment
Plant, Water
Treatment Plant

2-12-2024 10:00:00	LT1	LT1	
AM			
4-2-2024 10:40:00	LT1	LT1	
AM			
7-8-2024 10:20:00	LT1	LT1	
AM			
8-26-2024 10:10:00	LT1	LT1	
AM			
10-15-2024 12:00:00	LT1	LT1	
PM			
12-3-2024 10:15:00	<u>LT1</u>	<u>LT1</u>	
AM			
Total Positive:	0	0	0

290 Esplanade, 290
Esplanade

1-2-2024 10:15:00	LT1	LT1	
AM			
2-20-2024 10:30:00	LT1	LT1	

AM			
4-8-2024 10:45:00	LT1	LT1	
AM			
5-27-2024 8:10:00	LT1	LT1	
AM			
7-15-2024 10:35:00	LT1	LT1	
AM			
9-3-2024 10:35:00	LT1	LT1	
AM			
10-22-2024 10:00:00	LT1	LT1	
AM			
12-9-2024 10:40:00	<u>LT1</u>	<u>LT1</u>	
AM			
Total Positive:	0	0	0

Peace Park,

1-22-2024 10:45:00	LT1	LT1	
AM			
3-11-2024 10:55:00	LT1	LT1	
AM			
4-29-2024 10:45:00	LT1	LT1	
AM			
6-17-2024 10:40:00	LT1	LT1	
AM			
8-6-2024 10:50:00	LT1	LT1	
AM			
9-23-2024 10:00:00	LT1	LT1	
AM			
11-12-2024 10:50:00	<u>LT1</u>	<u>LT1</u>	
AM			
Total Positive:	0	0	0

Echo Spring Park,

2-12-2024 10:40:00	LT1	LT1	
AM			
4-2-2024 10:50:00	LT1	LT1	
AM			
7-8-2024 11:00:00	LT1	LT1	
AM			
8-26-2024 11:00:00	LT1	LT1	
AM			
10-15-2024 12:00:00	LT1	LT1	
PM			
12-3-2024 10:30:00	<u>LT1</u>	<u>LT1</u>	
AM			
Total Positive:	0	0	0

Community
Gardens,

1-22-2024 10:30:00	LT1	LT1	
AM			
3-11-2024 10:45:00	LT1	LT1	
AM			

4-29-2024 10:30:00 AM	LT1	LT1	
6-17-2024 10:50:00 AM	LT1	LT1	
8-6-2024 10:45:00 AM	LT1	LT1	
9-23-2024 10:00:00 AM	LT1	LT1	
11-12-2024 10:40:00 AM	<u>LT1</u>	<u>LT1</u>	
Total Positive:	0	0	0

442 Pine, 442 Pine

1-29-2024 10:30:00 AM	LT1	LT1	
3-18-2024 10:40:00 AM	LT1	LT1	
5-7-2024 8:15:00 AM	LT1	LT1	
6-24-2024 11:00:00 AM	LT1	LT1	
8-12-2024 11:00:00 AM	LT1	LT1	
10-1-2024 10:50:00 AM	LT1	LT1	
11-18-2024 10:45:00 AM	<u>LT1</u>	<u>LT1</u>	
Total Positive:	0	0	0

843 Myng, 843 Myng

2-5-2024 10:50:00 AM	LT1	LT1	
3-25-2024 10:50:00 AM	LT1	LT1	
5-13-2024 8:30:00 AM	LT1	LT1	
7-2-2024 9:45:00 AM	LT1	LT1	
8-19-2024 10:50:00 AM	LT1	LT1	
10-7-2024 11:00:00 AM	<u>LT1</u>	<u>LT1</u>	
Total Positive:	0	0	0

Result Values:	E - estimated	L - less than	G - greater than
----------------	---------------	---------------	------------------

Samples that contain total coliform:	0	0.00% of total
Samples that contain e. coli:	0	0.00% of total
Samples that contain fecal coliform:	0	0.00% of total
Number of consecutive samples that contain total coliform:	0	
Number of samples that contain total coliform in last 30 days:	0/1	
Total number of samples:	94	

Comments:

Environmental Health Officer
Jan 14 2025

FOR FURTHER INFORMATION PLEASE CALL: Jessica Hibbs (604) 870-7900



Date: Mar 17, 2025 Permit: _____
Completed by Tyler Simmonds, Utilities Supervisor

January		February		March		April		May		June	
Date	Flow (m³)	Date	Flow (m³)	Date	Flow (m³)	Date	Flow (m³)	Date	Flow (m³)	Date	Flow (m³)
Month total	21513	Month total	20200	Month total	22201	Month total	21763	Month total	26189	Month total	29679
Daily Avg.	694	Daily Avg.	697	Daily Avg.	716	Daily Avg.	725	Daily Avg.	845	Daily Avg.	989
Daily Max	844	Daily Max	895	Daily Max	920	Daily Max	997	Daily Max	1385	Daily Max	1450
Daily Min	515	Daily Min	505	Daily Min	549	Daily Min	588	Daily Min	606	Daily Min	658

July		August		September		October		November		December	
Date	Flow (m³)	Date	Flow (m³)	Date	Flow (m³)	Date	Flow (m³)	Date	Flow (m³)	Date	Flow (m³)
Month total	52262	Month total	45802	Month total	34870	Month total	23683	Month total	19850	Month total	21926
Daily Avg.	1686	Daily Avg.	1527	Daily Avg.	1162	Daily Avg.	764	Daily Avg.	662	Daily Avg.	707
Daily Max	2832	Daily Max	2145	Daily Max	1893	Daily Max	1085	Daily Max	2393	Daily Max	1396
Daily Min	1098	Daily Min	956	Daily Min	833	Daily Min	0	Daily Min	0	Daily Min	574

Date	Flow (m³)	Date	Flow (m³)	Date	Flow (m³)	Date	Flow (m³)
Year total	339938	Daily Avg.	929	Daily Max	2832	Daily Min	0

Reservoir Maintenance in October and November

[illegible]

CERTIFICATE OF ANALYSIS

Work Order	: VA24A6444	Page	: 1 of 9
Client	: Village of Harrison Hot Springs	Laboratory	: ALS Environmental - Vancouver
Contact	: Tyler Simmonds	Account Manager	: Parnian Sane
Address	: PO Box 160 495 Hot Springs Road Harrison Hot Springs BC Canada V0M 1K0	Address	: 8081 Lougheed Highway Burnaby BC Canada V5A 1W9
Telephone	: ---	Telephone	: +1 604 253 4188
Project	: WTP Mar 2024	Date Samples Received	: 27-Mar-2024 14:00
PO	: 20179	Date Analysis Commenced	: 27-Mar-2024
C-O-C number	: ---	Issue Date	: 15-Apr-2024 09:36
Sampler	: Tyler		
Site	:		
Quote number	: Quote for Harrison Hot Springs		
No. of samples received	: 3		
No. of samples analysed	: 3		

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>
Arshdeep Kaur	Lab Assistant	Inorganics, Burnaby, British Columbia
Brieanna Allen	Production/Validation Manager	Microbiology, Burnaby, British Columbia
Chau Tran	Analyst	Metals, Burnaby, British Columbia
Dajung Kim	Laboratory Analyst	LCMS, Waterloo, Ontario
Falaknaz Munshi	Laboratory Analyst	LCMS, Waterloo, Ontario
Janice Leung	Supervisor - Organics Instrumentation	Organics, Burnaby, British Columbia
Kevin Duarte	Supervisor - Metals ICP Instrumentation	Inorganics, Burnaby, British Columbia
Kevin Duarte	Supervisor - Metals ICP Instrumentation	Metals, Burnaby, British Columbia
Kim Jensen	Department Manager - Metals	Inorganics, Burnaby, British Columbia
Miles Gropen	Department Manager - Inorganics	Inorganics, Burnaby, British Columbia
Monica Ko	Lab Assistant	Inorganics, Burnaby, British Columbia
Monica Ko	Lab Assistant	Microbiology, Burnaby, British Columbia
Owen Cheng		Metals, Burnaby, British Columbia
Sanja Risticvic	Department Manager - LCMS	LCMS, Waterloo, Ontario



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
µg/L	micrograms per litre
µS/cm	microsiemens per centimetre
CU	colour units (1 cu = 1 mg/l pt)
g	grams
mg/L	milligrams per litre
mL	millilitres
MPN/100mL	most probable number per hundred millilitres
NTU	nephelometric turbidity units
pH units	pH units

<: 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.



Analytical Results

Sub-Matrix: Water (Matrix: Water)				Client sample ID	RAW Water	Treated Water	Peace Park	----	----
Client sampling date / time					27-Mar-2024 08:00	27-Mar-2024 08:00	27-Mar-2024 08:00	----	----
Analyte	CAS Number	Method/Lab	LOR	Unit	VA24A6444-001	VA24A6444-002	VA24A6444-003	-----	-----
					Result	Result	Result	----	----
Sample Preparation									
Sample volume	----	EP581/VA	0.001	mL	----	5	5	----	----
Sample volume	----	EP745/WT	0.1	mL	----	----	2.5	----	----
Sample volume	----	EP755/WT	0.1	mL	----	----	4	----	----
Final volume	----	EP745/WT	0.1	mL	----	----	5	----	----
Final volume	----	EP755/WT	0.1	mL	----	----	5	----	----
Final volume	----	EP581/VA	1	mL	----	5	5	----	----
Weight, initial	----	E162/VA	0.00001	g	25.04154000	24.87053000	24.95157000	----	----
Weight, final	----	E162/VA	0.00001	g	25.04317000	24.87194000	24.95292000	----	----
Weight, balance blank	n/a	E162/VA	0.00001	g	0.00008000	0.00008000	0.00008000	----	----
Sample volume	----	E162/VA	0.1	mL	40.00000000	30.00000000	30.00000000	----	----
Physical Tests									
Alkalinity, bicarbonate (as CaCO3)	----	E290/VA	1.0	mg/L	16.2	16.7	16.6	----	----
Alkalinity, bicarbonate (as HCO3)	71-52-3	E290/VA	1.0	mg/L	19.8	20.4	20.2	----	----
Alkalinity, carbonate (as CaCO3)	----	E290/VA	1.0	mg/L	<1.0	<1.0	<1.0	----	----
Alkalinity, carbonate (as CO3)	3812-32-6	E290/VA	1.0	mg/L	<1.0	<1.0	<1.0	----	----
Alkalinity, hydroxide (as CaCO3)	----	E290/VA	1.0	mg/L	<1.0	<1.0	<1.0	----	----
Alkalinity, hydroxide (as OH)	14280-30-9	E290/VA	1.0	mg/L	<1.0	<1.0	<1.0	----	----
Alkalinity, phenolphthalein (as CaCO3)	----	E290/VA	1.0	mg/L	<1.0	<1.0	<1.0	----	----
Alkalinity, total (as CaCO3)	----	E290/VA	1.0	mg/L	16.2	16.7	16.6	----	----
Colour, true	----	E329/VA	5.0	CU	<5.0	<5.0	<5.0	----	----
Conductivity	----	E100/VA	2.0	µS/cm	47.8	51.6	51.8	----	----
Conductivity (screen)	----	ES100/VA	2.0	µS/cm	47.8	51.9	52.4	----	----
pH	----	E108/VA	0.10	pH units	7.27	7.34	7.38	----	----
Solids, total dissolved [TDS]	----	E162/VA	10	mg/L	39	44	42	----	----
Turbidity	----	E121/VA	0.10	NTU	0.33	<0.10	<0.10	----	----
Hardness (as CaCO3), from total Ca/Mg	----	EC100A/VA	0.60	mg/L	18.8	19.2	19.1	----	----
Anions and Nutrients									
Chloride	16887-00-6	E235.Cl/VA	0.50	mg/L	0.57	1.59	1.59	----	----
Fluoride	16984-48-8	E235.F/VA	0.020	mg/L	<0.020	<0.020	<0.020	----	----



Analytical Results

Sub-Matrix: Water					Client sample ID	RAW Water	Treated Water	Peace Park	----	----
(Matrix: Water)										
Client sampling date / time					27-Mar-2024 08:00	27-Mar-2024 08:00	27-Mar-2024 08:00	----	----	
Analyte	CAS Number	Method/Lab	LOR	Unit	VA24A6444-001	VA24A6444-002	VA24A6444-003	-----	-----	
					Result	Result	Result	----	----	
Anions and Nutrients										
Nitrate (as N)	14797-55-8	E235.NO3-L/V A	0.0050	mg/L	0.0608	0.0596	0.0592	----	----	
Nitrite (as N)	14797-65-0	E235.NO2-L/V A	0.0010	mg/L	<0.0010	<0.0010	<0.0010	----	----	
Sulfate (as SO4)	14808-79-8	E235.SO4/VA	0.30	mg/L	5.03	5.08	5.10	----	----	
Microbiological Tests										
Coliforms, total	----	E010/VA	1	MPN/100mL	<1	<1	<1	----	----	
Coliforms, Escherichia coli [E. coli]	----	E010/VA	1	MPN/100mL	<1	<1	<1	----	----	
Total Metals										
Aluminum, total	7429-90-5	E420/VA	0.0100	mg/L	0.0309	<0.0100	<0.0100	----	----	
Antimony, total	7440-36-0	E420/VA	0.00050	mg/L	<0.00050	<0.00050	<0.00050	----	----	
Arsenic, total	7440-38-2	E420/VA	0.00010	mg/L	0.00020	0.00019	0.00018	----	----	
Barium, total	7440-39-3	E420/VA	0.0200	mg/L	<0.0200	<0.0200	<0.0200	----	----	
Beryllium, total	7440-41-7	E420/VA	0.000020	mg/L	<0.000020	<0.000020	<0.000020	----	----	
Bismuth, total	7440-69-9	E420/VA	0.000050	mg/L	<0.000050	<0.000050	<0.000050	----	----	
Boron, total	7440-42-8	E420/VA	0.100	mg/L	<0.100	<0.100	<0.100	----	----	
Cadmium, total	7440-43-9	E420/VA	0.000200	mg/L	<0.000200	<0.000200	<0.000200	----	----	
Calcium, total	7440-70-2	E420/VA	0.100	mg/L	6.36	6.52	6.50	----	----	
Cesium, total	7440-46-2	E420/VA	0.000010	mg/L	<0.000010	<0.000010	<0.000010	----	----	
Chromium, total	7440-47-3	E420/VA	0.00200	mg/L	<0.00200	<0.00200	<0.00200	----	----	
Cobalt, total	7440-48-4	E420/VA	0.00010	mg/L	<0.00010	<0.00010	<0.00010	----	----	
Copper, total	7440-50-8	E420/VA	0.00100	mg/L	<0.00100	<0.00100	0.00139	----	----	
Iron, total	7439-89-6	E420/VA	0.030	mg/L	<0.030	<0.030	<0.030	----	----	
Lead, total	7439-92-1	E420/VA	0.000500	mg/L	<0.000500	<0.000500	<0.000500	----	----	
Lithium, total	7439-93-2	E420/VA	0.0010	mg/L	<0.0010	<0.0010	<0.0010	----	----	
Magnesium, total	7439-95-4	E420/VA	0.100	mg/L	0.712	0.712	0.704	----	----	
Manganese, total	7439-96-5	E420/VA	0.00200	mg/L	<0.00200	<0.00200	<0.00200	----	----	
Mercury, total	7439-97-6	E508/VA	0.0000050	mg/L	<0.0000050	<0.0000050	<0.0000050	----	----	
Molybdenum, total	7439-98-7	E420/VA	0.000050	mg/L	0.000743	0.000750	0.000760	----	----	
Nickel, total	7440-02-0	E420/VA	0.00050	mg/L	<0.00050	<0.00050	<0.00050	----	----	



Analytical Results

Sub-Matrix: Water					Client sample ID	RAW Water	Treated Water	Peace Park	----	----
(Matrix: Water)										
					Client sampling date / time	27-Mar-2024 08:00	27-Mar-2024 08:00	27-Mar-2024 08:00	----	----
Analyte	CAS Number	Method/Lab	LOR	Unit	VA24A6444-001	VA24A6444-002	VA24A6444-003	-----	-----	
					Result	Result	Result	----	----	
Total Metals										
Phosphorus, total	7723-14-0	E420/VA	0.050	mg/L	<0.050	<0.050	<0.050	----	----	
Potassium, total	7440-09-7	E420/VA	0.100	mg/L	0.628	0.626	0.608	----	----	
Rubidium, total	7440-17-7	E420/VA	0.00020	mg/L	0.00066	0.00068	0.00071	----	----	
Selenium, total	7782-49-2	E420/VA	0.00100	mg/L	<0.00100	<0.00100	<0.00100	----	----	
Silicon, total	7440-21-3	E420/VA	0.10	mg/L	2.63	2.56	2.52	----	----	
Silver, total	7440-22-4	E420/VA	0.000010	mg/L	<0.000010	<0.000010	<0.000010	----	----	
Sodium, total	7440-23-5	E420/VA	2.00	mg/L	<2.00	2.22	2.12	----	----	
Strontium, total	7440-24-6	E420/VA	0.00020	mg/L	0.0303	0.0293	0.0301	----	----	
Sulfur, total	7704-34-9	E420/VA	0.50	mg/L	1.25	1.36	1.24	----	----	
Tellurium, total	13494-80-9	E420/VA	0.00020	mg/L	<0.00020	<0.00020	<0.00020	----	----	
Thallium, total	7440-28-0	E420/VA	0.000010	mg/L	<0.000010	<0.000010	<0.000010	----	----	
Thorium, total	7440-29-1	E420/VA	0.00010	mg/L	<0.00010	<0.00010	<0.00010	----	----	
Tin, total	7440-31-5	E420/VA	0.00010	mg/L	0.00057	<0.00010	<0.00010	----	----	
Titanium, total	7440-32-6	E420/VA	0.00030	mg/L	0.00064	<0.00030	<0.00030	----	----	
Tungsten, total	7440-33-7	E420/VA	0.00010	mg/L	<0.00010	<0.00010	<0.00010	----	----	
Uranium, total	7440-61-1	E420/VA	0.000100	mg/L	<0.000100	<0.000100	<0.000100	----	----	
Vanadium, total	7440-62-2	E420/VA	0.00050	mg/L	<0.00050	<0.00050	<0.00050	----	----	
Zinc, total	7440-66-6	E420/VA	0.0500	mg/L	<0.0500	<0.0500	<0.0500	----	----	
Zirconium, total	7440-67-7	E420/VA	0.00020	mg/L	<0.00020	<0.00020	<0.00020	----	----	
Volatile Organic Compounds [THMs]										
Bromodichloromethane	75-27-4	E611B/VA	1.0	µg/L	----	<1.0	<1.0	----	----	
Bromoform	75-25-2	E611B/VA	1.0	µg/L	----	<1.0	<1.0	----	----	
Chloroform	67-66-3	E611B/VA	1.0	µg/L	----	22.9	26.9	----	----	
Dibromochloromethane	124-48-1	E611B/VA	1.0	µg/L	----	<1.0	<1.0	----	----	
Trihalomethanes [THMs], total	----	E611B/VA	2.0	µg/L	----	22.9	26.9	----	----	
Volatile Organic Compounds [THMs] Surrogates										
Bromofluorobenzene, 4-	460-00-4	E611B/VA	1.0	%	----	85.9	85.7	----	----	
Difluorobenzene, 1,4-	540-36-3	E611B/VA	1.0	%	----	94.8	93.6	----	----	
Per- and Perfluoroalkyl Substances (PFAS)										



Analytical Results

Sub-Matrix: Water					Client sample ID	RAW Water	Treated Water	Peace Park	----	----
(Matrix: Water)										
					Client sampling date / time	27-Mar-2024 08:00	27-Mar-2024 08:00	27-Mar-2024 08:00	----	----
Analyte	CAS Number	Method/Lab	LOR	Unit	VA24A6444-001	VA24A6444-002	VA24A6444-003	-----	-----	
					Result	Result	Result	----	----	
Per- and Perfluoroalkyl Substances (PFAS)										
Eicosafuoro-3-oxaundecane-1-sulfonic acid, 11-chloro- [11CI-PF3OUdS]	763051-92-9	E745/WT	0.020	µg/L	----	----	<0.020	----	----	
Ethyl perfluorooctanesulfonamide, n- [NEtFOSA]	4151-50-2	E745/WT	0.020	µg/L	----	----	<0.020	----	----	
Ethyl perfluorooctanesulfonamidoacetic acid, n- [NEtFOSAA]	2991-50-6	E745/WT	0.020	µg/L	----	----	<0.020	----	----	
Ethyl perfluorooctanesulfonamidoethanol, n- [NEtFOSE]	1691-99-2	E745/WT	0.020	µg/L	----	----	<0.020	----	----	
Fluorotelomer carboxylic acid, 10:2 [10:2 FTCA]	53826-13-4	E745/WT	0.10	µg/L	----	----	<0.10	----	----	
Fluorotelomer carboxylic acid, 3:3 [3:3 FTCA]	356-02-5	E745/WT	0.020	µg/L	----	----	<0.020	----	----	
Fluorotelomer carboxylic acid, 5:3 [5:3 FTCA]	914637-49-3	E745/WT	0.020	µg/L	----	----	<0.020	----	----	
Fluorotelomer carboxylic acid, 6:2 [6:2 FTCA]	53826-12-3	E745/WT	0.10	µg/L	----	----	<0.10	----	----	
Fluorotelomer carboxylic acid, 7:3 [7:3 FTCA]	812-70-4	E745/WT	0.020	µg/L	----	----	<0.020	----	----	
Fluorotelomer carboxylic acid, 8:2 [8:2 FTCA]	27854-31-5	E745/WT	0.10	µg/L	----	----	<0.10	----	----	
Fluorotelomer sulfonic acid, 10:2 [10:2 FTS]	120226-60-0	E745/WT	0.020	µg/L	----	----	<0.020	----	----	
Fluorotelomer sulfonic acid, 4:2 [4:2 FTS]	757124-72-4	E745/WT	0.020	µg/L	----	----	<0.020	----	----	
Fluorotelomer sulfonic acid, 6:2 [6:2 FTS]	27619-97-2	E745/WT	0.020	µg/L	----	----	<0.020	----	----	
Fluorotelomer sulfonic acid, 8:2 [8:2 FTS]	39108-34-4	E745/WT	0.020	µg/L	----	----	<0.020	----	----	
Fluorotelomer unsaturated carboxylic acid, 10:2 [10:2 FTUCA]	70887-94-4	E745/WT	0.050	µg/L	----	----	<0.050	----	----	
Fluorotelomer unsaturated carboxylic acid, 6:2 [6:2 FTUCA]	70887-88-6	E745/WT	0.020	µg/L	----	----	<0.020	----	----	
Fluorotelomer unsaturated carboxylic acid, 8:2 [8:2 FTUCA]	70887-84-2	E745/WT	0.020	µg/L	----	----	<0.020	----	----	
Hexadecafluoro-3-oxanonane-1-sulfonic acid, 9-chloro- [9CI-PF3ONS]	756426-58-1	E745/WT	0.020	µg/L	----	----	<0.020	----	----	
Hexafluoropropylene oxide dimer acid [HFPO-DA]	13252-13-6	E745/WT	1.0	µg/L	----	----	<1.0	----	----	
Methyl perfluorooctanesulfonamide, n- [NMeFOSA]	31506-32-8	E745/WT	0.020	µg/L	----	----	<0.020	----	----	
Methyl perfluorooctanesulfonamidoacetic acid, n- [NMeFOSAA]	2355-31-9	E745/WT	0.020	µg/L	----	----	<0.020	----	----	



Analytical Results

Sub-Matrix: Water					Client sample ID	RAW Water	Treated Water	Peace Park	----	----
(Matrix: Water)										
					Client sampling date / time	27-Mar-2024 08:00	27-Mar-2024 08:00	27-Mar-2024 08:00	----	----
Analyte	CAS Number	Method/Lab	LOR	Unit	VA24A6444-001	VA24A6444-002	VA24A6444-003	-----	-----	
					Result	Result	Result	----	----	
Per- and Perfluoroalkyl Substances (PFAS)										
Methyl perfluorooctanesulfonamidoethanol, n-[NMeFOSE]	24448-09-7	E745/WT	0.020	µg/L	----	----	<0.020	----	----	
Nonafluoro-3,6-dioxaheptanoic acid [NFDHA]	151772-58-6	E745/WT	0.020	µg/L	----	----	<0.020	----	----	
Perfluoro(2-ethoxyethane)sulfonic acid [PFEESA]	113507-82-7	E745/WT	0.020	µg/L	----	----	<0.020	----	----	
Perfluoro-3-methoxypropanoic acid [PFMPA]	377-73-1	E745/WT	0.020	µg/L	----	----	<0.020	----	----	
Perfluoro-4-methoxybutanoic acid [PFMBA]	863090-89-5	E745/WT	0.020	µg/L	----	----	<0.020	----	----	
Perfluorobutanesulfonic acid [PFBS]	375-73-5	E745/WT	0.020	µg/L	----	----	<0.020	----	----	
Perfluorobutanoic acid [PFBA]	375-22-4	E745/WT	0.10	µg/L	----	----	<0.10	----	----	
Perfluorodecane sulfonic acid [PFDS]	335-77-3	E745/WT	0.020	µg/L	----	----	<0.020	----	----	
Perfluorodecanoic acid [PFDA]	335-76-2	E745/WT	0.020	µg/L	----	----	<0.020	----	----	
Perfluorododecanesulfonic acid [PFDoS]	79780-39-5	E745/WT	0.020	µg/L	----	----	<0.020	----	----	
Perfluorododecanoic acid [PFDoA]	307-55-1	E745/WT	0.020	µg/L	----	----	<0.020	----	----	
Perfluoroethylcyclohexanesulfonic acid [PFECHS]	646-83-3	E745/WT	0.020	µg/L	----	----	<0.020	----	----	
Perfluoroheptanesulfonic acid [PFHpS]	375-92-8	E745/WT	0.020	µg/L	----	----	<0.020	----	----	
Perfluoroheptanoic acid [PFHpA]	375-85-9	E745/WT	0.020	µg/L	----	----	<0.020	----	----	
Perfluorohexadecanoic acid [PFHxDA]	67905-19-5	E745/WT	0.020	µg/L	----	----	<0.020	----	----	
Perfluorohexanesulfonic acid [PFHxS]	355-46-4	E745/WT	0.020	µg/L	----	----	<0.020	----	----	
Perfluorohexanoic acid [PFHxA]	307-24-4	E745/WT	0.020	µg/L	----	----	<0.020	----	----	
Perfluorononanesulfonic acid [PFNS]	68259-12-1	E745/WT	0.020	µg/L	----	----	<0.020	----	----	
Perfluorononanoic acid [PFNA]	375-95-1	E745/WT	0.020	µg/L	----	----	<0.020	----	----	
Perfluorononanoic acid, 4,8-dioxa-3H- [ADONA]	919005-14-4	E745/WT	0.020	µg/L	----	----	<0.020	----	----	
Perfluorooctanesulfonamide [PFOSA]	754-91-6	E745/WT	0.020	µg/L	----	----	<0.020	----	----	
Perfluoropentanesulfonic acid [PFPeS]	2706-91-4	E745/WT	0.020	µg/L	----	----	<0.020	----	----	
Perfluoropentanoic acid [PFPeA]	2706-90-3	E745/WT	0.020	µg/L	----	----	<0.020	----	----	
Perfluorotetradecanoic acid [PFTeDA]	376-06-7	E745/WT	0.020	µg/L	----	----	<0.020	----	----	
Perfluorotridecanesulfonic acid [PFTTrDS]	791563-89-8	E745/WT	0.020	µg/L	----	----	<0.020	----	----	
Perfluorotridecanoic acid [PFTTrDA]	72629-94-8	E745/WT	0.020	µg/L	----	----	<0.020	----	----	
Perfluoroundecanesulfonic acid [PFUdS]	749786-16-1	E745/WT	0.020	µg/L	----	----	<0.020	----	----	
Perfluoroundecanoic acid [PFUnA]	2058-94-8	E745/WT	0.020	µg/L	----	----	<0.020	----	----	



Analytical Results

Sub-Matrix: Water					Client sample ID	RAW Water	Treated Water	Peace Park	----	----
(Matrix: Water)										
					Client sampling date / time	27-Mar-2024 08:00	27-Mar-2024 08:00	27-Mar-2024 08:00	----	----
Analyte	CAS Number	Method/Lab	LOR	Unit	VA24A6444-001	VA24A6444-002	VA24A6444-003	-----	-----	
					Result	Result	Result	----	----	
Per- and Perfluoroalkyl Substances (PFAS)										
Perfluorooctanesulfonic acid [PFOS]	1763-23-1	E745/WT	0.020	µg/L	----	----	<0.020	----	----	
Perfluorooctanoic acid [PFOA]	335-67-1	E745/WT	0.020	µg/L	----	----	<0.020	----	----	
PFAS, total	n/a	E745/WT	1.1	µg/L	----	----	<1.1	----	----	
PFAS, total (HC32)	n/a	E745/WT	1.1	µg/L	----	----	<1.1	----	----	
PFAS, total (ON MECP 11)	n/a	E745/WT	0.20	µg/L	----	----	<0.20	----	----	
PFAS, total [EPA 1633 list]	n/a	E745/WT	1.1	µg/L	----	----	<1.1	----	----	
Per- and Perfluoroalkyl Substances (PFAS) Surrogates										
Perfluorooctanesulfonic acid [13C8-PFOS]	265893-05-6	E745/WT	0.01	%	----	----	94.4	----	----	
Herbicides										
Atrazine	1912-24-9	E755/WT	0.050	µg/L	----	----	<0.050	----	----	
Atrazine + metabolites, total	----	E755/WT	0.450	µg/L	----	----	<0.450	----	----	
Atrazine + N-dealkylated metabolites	----	E755/WT	0.10	µg/L	----	----	<0.10	----	----	
Atrazine, 2-hydroxy-	2163-68-0	E755/WT	0.050	µg/L	----	----	<0.050	----	----	
Atrazine-desethyl	6190-65-4	E755/WT	0.0250	µg/L	----	----	<0.0250	----	----	
Atrazine-desethyl-desisopropyl	3397-62-4	E755/WT	0.40	µg/L	----	----	<0.40	----	----	
Atrazine-desisopropyl	1007-28-9	E755/WT	0.050	µg/L	----	----	<0.050	----	----	

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

Please refer to the Accreditation section for an explanation of analyte accreditations.



CERTIFICATE OF ANALYSIS

Work Order	: VA24C2158	Page	: 1 of 4
Client	: Village of Harrison Hot Springs	Laboratory	: ALS Environmental - Vancouver
Contact	: Tyler Simmonds	Account Manager	: Janine Weeks
Address	: PO Box 160 495 Hot Springs Road Harrison Hot Springs BC Canada V0M 1K0	Address	: 8081 Lougheed Highway Burnaby BC Canada V5A 1W9
Telephone	: ----	Telephone	: +1 604 253 4188
Project	: WTP Aug 2024	Date Samples Received	: 28-Aug-2024 12:45
PO	: 20494	Date Analysis Commenced	: 28-Aug-2024
C-O-C number	: ----	Issue Date	: 09-Sep-2024 10:54
Sampler	: Bruce Macait		
Site	:		
Quote number	: VA19-VHHS100-001		
No. of samples received	: 4		
No. of samples analysed	: 4		

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

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.

Signatories	Position	Laboratory Department
Kevin Duarte	Supervisor - Metals ICP Instrumentation	Metals, Burnaby, British Columbia
Maya Urquhart	Lab Analyst	Metals, Burnaby, British Columbia
Miles Gropen	Department Manager - Inorganics	Inorganics, Burnaby, British Columbia
Miles Gropen	Department Manager - Inorganics	Microbiology, Burnaby, British Columbia
Stephanie Pinheiro	Team Leader - LCMS	LCMS, Waterloo, Ontario



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
µg/L	micrograms per litre
µS/cm	microsiemens per centimetre
CU	colour units (1 cu = 1 mg/l pt)
mg/L	milligrams per litre
MPN/100mL	most probable number per hundred millilitres
NTU	nephelometric turbidity units
pH units	pH units

<: 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.

Qualifiers

Qualifier	Description
HTDC	Hold time exceeded for dilution or re-analysis. Reported results are consistent with initial results (tested within hold time), and are valid and defensible.



Analytical Results

Sub-Matrix: Water					Client sample ID	RAW water	Treated water	Peace Park	Art Gallery	----
(Matrix: Water)										
Client sampling date / time					28-Aug-2024 08:00	28-Aug-2024 08:00	28-Aug-2024 08:00	28-Aug-2024 08:00	28-Aug-2024 08:00	----
Analyte	CAS Number	Method/Lab	LOR	Unit	VA24C2158-001	VA24C2158-002	VA24C2158-003	VA24C2158-004	-----	
					Result	Result	Result	Result	Result	----
Physical Tests										
Alkalinity, total (as CaCO3)	----	E290/VA	1.0	mg/L	15.9	15.9	16.0	35.3	----	
Colour, true	----	E329/VA	5.0	CU	<5.0	<5.0	<5.0	<5.0	----	
Conductivity	----	E100/VA	2.0	µS/cm	47.2	52.3	52.3	89.0	----	
pH	----	E108/VA	0.10	pH units	7.38	7.40	7.40	7.70	----	
Solids, total dissolved [TDS]	----	E162/VA	10	mg/L	29	51	32	63	----	
Turbidity	----	E121/VA	0.10	NTU	0.93	<0.10	<0.10	0.71	----	
Hardness (as CaCO3), from total Ca/Mg	----	EC100A/VA	0.60	mg/L	19.2	18.7	18.9	38.4	----	
Anions and Nutrients										
Chloride	16887-00-6	E235.Cl/VA	0.50	mg/L	0.60	1.81	1.79	1.87	----	
Fluoride	16984-48-8	E235.F/VA	0.020	mg/L	0.024	<0.020	<0.020	<0.020	----	
Nitrate (as N)	14797-55-8	E235.NO3-L/V A	0.0050	mg/L	0.0320	0.0209 HTDC	0.0159	0.157 HTDC	----	
Nitrite (as N)	14797-65-0	E235.NO2-L/V A	0.0010	mg/L	<0.0010	<0.0010 HTDC	<0.0010	<0.0010 HTDC	----	
Sulfate (as SO4)	14808-79-8	E235.SO4/VA	0.30	mg/L	5.49	5.47	5.45	7.47	----	
Microbiological Tests										
Coliforms, total	----	E010/VA	1	MPN/100mL	3	<1	<1	<1	----	
Coliforms, Escherichia coli [E. coli]	----	E010/VA	1	MPN/100mL	<1	<1	<1	<1	----	
Total Metals										
Aluminum, total	7429-90-5	E420/VA	0.0100	mg/L	0.0609	0.0105	0.0102	<0.0100	----	
Antimony, total	7440-36-0	E420/VA	0.00050	mg/L	<0.00050	<0.00050	<0.00050	<0.00050	----	
Arsenic, total	7440-38-2	E420/VA	0.00010	mg/L	0.00023	0.00022	0.00023	0.00030	----	
Barium, total	7440-39-3	E420/VA	0.0200	mg/L	<0.0200	<0.0200	<0.0200	<0.0200	----	
Boron, total	7440-42-8	E420/VA	0.100	mg/L	<0.100	<0.100	<0.100	<0.100	----	
Cadmium, total	7440-43-9	E420/VA	0.000200	mg/L	<0.000200	<0.000200	<0.000200	<0.000200	----	
Calcium, total	7440-70-2	E420/VA	0.100	mg/L	6.56	6.42	6.46	13.5	----	
Chromium, total	7440-47-3	E420/VA	0.00200	mg/L	<0.00200	<0.00200	<0.00200	0.00206	----	
Copper, total	7440-50-8	E420/VA	0.00100	mg/L	<0.00100	0.00157	0.00312	0.188	----	
Iron, total	7439-89-6	E420/VA	0.030	mg/L	0.041	<0.030	<0.030	0.226	----	
Lead, total	7439-92-1	E420/VA	0.000500	mg/L	<0.000500	<0.000500	<0.000500	0.00988	----	



Analytical Results

Sub-Matrix: Water					Client sample ID	RAW water	Treated water	Peace Park	Art Gallery	----
(Matrix: Water)										
					Client sampling date / time	28-Aug-2024 08:00	28-Aug-2024 08:00	28-Aug-2024 08:00	28-Aug-2024 08:00	----
Analyte	CAS Number	Method/Lab	LOR	Unit	VA24C2158-001	VA24C2158-002	VA24C2158-003	VA24C2158-004	-----	
					Result	Result	Result	Result	----	
Total Metals										
Magnesium, total	7439-95-4	E420/VA	0.100	mg/L	0.674	0.650	0.674	1.14	----	
Manganese, total	7439-96-5	E420/VA	0.00200	mg/L	<0.00200	<0.00200	<0.00200	0.0342	----	
Mercury, total	7439-97-6	E508/VA	0.0000050	mg/L	<0.0000050	<0.0000050	<0.0000050	<0.0000050	----	
Potassium, total	7440-09-7	E420/VA	0.100	mg/L	0.668	0.654	0.661	0.602	----	
Selenium, total	7782-49-2	E420/VA	0.00100	mg/L	<0.00100	<0.00100	<0.00100	<0.00100	----	
Sodium, total	7440-23-5	E420/VA	2.00	mg/L	<2.00	2.22	2.33	2.31	----	
Uranium, total	7440-61-1	E420/VA	0.000100	mg/L	<0.000100	<0.000100	<0.000100	<0.000100	----	
Zinc, total	7440-66-6	E420/VA	0.0500	mg/L	<0.0500	<0.0500	<0.0500	0.0845	----	
Haloacetic Acids										
Bromochloroacetic acid	5589-96-8	E750/WT	1.00	µg/L	----	<1.00	<1.00	----	----	
Dibromoacetic acid	631-64-1	E750/WT	1.00	µg/L	----	<1.00	<1.00	----	----	
Dichloroacetic acid	79-43-6	E750/WT	1.00	µg/L	----	8.92	5.66	----	----	
Monobromoacetic acid	79-08-3	E750/WT	1.00	µg/L	----	<1.00	<1.00	----	----	
Monochloroacetic acid	79-11-8	E750/WT	1.00	µg/L	----	<1.00	<1.00	----	----	
Trichloroacetic acid	76-03-9	E750/WT	1.00	µg/L	----	10.0	12.8	----	----	
Haloacetic acids, total [HAA5]	n/a	E750/WT	5.00	µg/L	----	18.9	18.5	----	----	

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

Please refer to the Accreditation section for an explanation of analyte accreditations.

January 25, 2025

Water System Operators

Re: Metals in Drinking Water – “Flush” Message in Annual Reports

Anytime the water in a particular faucet has not been used for six hours or longer, “flush” your cold-water pipes by running the water until you notice a change in temperature. *(This could take as little as five to thirty seconds if there has been recent heavy water use such as showering or toilet flushing. Otherwise, it could take two minutes or longer.)* The more time water has been sitting in your home's pipes, the more lead it may contain.

Use only water from the cold tap for drinking, cooking, and especially making baby formula. Hot water is likely to contain higher levels of lead.

The two actions recommended above are very important to the health of your family. They will probably be effective in reducing lead levels because most of the lead in household water usually comes from the plumbing in your house, not from the local water supply.

Conserving water is still important. Rather than just running the water down the drain you could use the water for things such as watering your plants.

If you have any questions, please contact our Drinking Water Program at 604-870-7903 or 1-866-749-7900.

Sincerely,

Alex Kwan
Acting Manager, Drinking Water Program
Fraser Health Authority
HPLand@fraserhealth.ca

Village of Harrison Hot Springs

Water Sample Schedule 2025

Date	Site 1	Site 2	Site 3	
January				
6	290 Esplanade	170 Cedar	98 Rockwell Dr	
12	Beach Washrooms	Echo (Spring Park)		
19	Public Works Office	Boatlaunch Washrooms	98 Rockwell Dr	
26	Peace Park	459 naismith		
February				
3	973 Hotsprings Rd/Tap	Water Treatment Plant	98 Rockwell Dr	
10	Community Garden	290 Esplanade		
17	442 Pine	Beach Washrooms	98 Rockwell Dr	
24	843 Myng	Public Works Office		
March				
3	Peace Park	973 Hotsprings Rd/Tap	98 Rockwell Dr	
10	170 Cedar	Community Garden		
17	Boatlaunch Washrooms	442 Pine	98 Rockwell Dr	
24	Echo (Spring Park)	843 Myng		
31	459 naismith	Water Treatment Plant	98 Rockwell Dr	
April				
7	290 Esplanade	170 Cedar		
14	Beach Washrooms	Echo (Spring Park)	98 Rockwell Dr	
21	Public Works Office	Boatlaunch Washrooms		
28	Peace Park	459 naismith	98 Rockwell Dr	
May				
5	973 Hotsprings Rd/Tap	Water Treatment Plant		Lake Samples x3
12	Community Garden	290 Esplanade		Lake Samples x3
19	442 Pine	Beach Washrooms	98 Rockwell Dr	Lake Samples x3
26	843 Myng	Public Works Office		Lake Samples x3
June				
2	Peace Park	973 Hotsprings Rd/Tap	98 Rockwell Dr	Lake Samples x3
9	170 Cedar	Community Garden		Lake Samples x3
16	Boatlaunch Washrooms	442 Pine	98 Rockwell Dr	Lake Samples x3
23	Echo (Spring Park)	843 Myng		Lake Samples x3
30	459 naismith	Water Treatment Plant	98 Rockwell Dr	Lake Samples x3
July				
7	290 Esplanade	170 Cedar		Lake Samples x3
14	Beach Washrooms	Echo (Spring Park)	98 Rockwell Dr	Lake Samples x3
21	Public Works Office	Boatlaunch Washrooms		Lake Samples x3
28	Peace Park	459 naismith	98 Rockwell Dr	Lake Samples x3
August				
4	973 Hotsprings Rd/Tap	Water Treatment Plant		Lake Samples x3
11	Community Garden	290 Esplanade	98 Rockwell Dr	Lake Samples x3
18	442 Pine	Beach Washrooms		Lake Samples x3
25	843 Myng	Public Works Office	98 Rockwell Dr	Lake Samples x3

Village of Harrison Hot Springs

Water Sample Schedule 2025

September				
1	Peace Park	973 Hotsprings Rd/Tap		Lake Samples x3
8	170 Cedar	Community Garden	98 Rockwell Dr	Lake Samples x3
15	Boatlaunch Washrooms	442 Pine		Lake Samples x3
22	Echo (Spring Park)	843 Myng	98 Rockwell Dr	Lake Samples x3
29	459 naismith	Water Treatment Plant		Lake Samples x3
October				
6	290 Esplanade	170 Cedar	98 Rockwell Dr	
13	Beach Washrooms	Echo (Spring Park)		
20	Public Works Office	Boatlaunch Washrooms	98 Rockwell Dr	
27	Peace Park	459 naismith		
November				
3	973 Hotsprings Rd/Tap	Water Treatment Plant	98 Rockwell Dr	
10	Community Garden	290 Esplanade		
17	442 Pine	Beach Washrooms	98 Rockwell Dr	
24	843 Myng	Public Works Office		
December				
1	Peace Park	973 Hotsprings Rd/Tap	98 Rockwell Dr	
8	170 Cedar	Community Garden		
15	Boatlaunch Washrooms	442 Pine	98 Rockwell Dr	
22	Echo (Spring Park)	843 Myng		
29	459 naismith	Water Treatment Plant	98 rockwell Dr	