Reporting Period: January 1 st to December 31 st , 2022 (year) Water System Village of Harrison Hot Springs Art Gallery Water System Owner Village of Harrison Hot Springs Primary Contact Name (Operator or Manager) Tyler Simmonds Phone Number (Operator or Manager) 604-798-5974 E-mail (operator or Manager) tsimmonds@harrisonhotsprings.ca Beschiek YOUR WATER SUPPLY SYSTEM	DRINKING WATER SYSTEM ANNUAL REPORT						
Water System Owner Village of Harrison Hot Springs Primary Contact Name (operator or Manager) Tyler Simmonds Phone Number (operator or Manager) 604-798-5974 E-mail (operator or Manager) 604-798-5974 E-mail (operator or Manager) tsimmonds@harrisonhotsprings.ca Describe YOUR WATER SUPPLY SYSTEM What is the Source(s) of Raw Water? Deep Well Shallow Well Deep Well Shallow Well Shallow Well Surface Water Other Other If other, specify details: Other Does the Drinking Water System have Primary Disinfection? Yes No Other If other, specify details: Other Does the Drinking Water System have Secondary Disinfection? Yes If other, specify details: Obter Does the Drinking Water System have Secondary Disinfection? Yes If other, specify details: Obter Does the Drinking Water System have Filtration? Yes No Check all boxes that apply Scartridge Filter(s) Carbon Filter If other, specify details: Public REPOR ING Emergency Response & Contingency Plan (ERCP) Is your ERCP up to Date? Xi Yes If and Delivered Bulletin Board Indering Water System Annual Report? Hand Delivered Bulletin Board Indering Water System Annual Report? Website	Reporting Period:	Reporting Period: January 1 st to December 31 st , 2022 (year)					
Primary Contact Name (operator or Manager) Tyler Simmonds Phone Number (operator or Manager) 604-798-5974 E-mail (operator or Manager) tsimmonds@harrisonhotsprings.ca Describer Your Watter Supply System Immonds@harrisonhotsprings.ca Describer Your Watter Supply System Immonds@harrisonhotsprings.ca Deep Well Shallow Well Surface Water If other, specify details: Other Does the Drinking Water System have Primary Disinfection? X Yes No Chlorination Witraviolet Light Ozone Other If other, specify details: Does the Drinking Water System have Secondary Disinfection? Yes X No Chlorination Other Other If other, specify details: Does the Drinking Water System have Filtration? X Yes No Check all boxes that apply Sand Filtration Reverse Osmosis Other If other, specify details: PUBLIC REPORTING Emergency Response & Contingency Plan (ERCP) S Yes No If other, specify details: Yes No Hand Delivered Bulletin Board Newspaper Utility Bill Insert Website	Water System Village of Harris	on Hot Springs Art Gal	lery				
Phone Number (operator or Manager) 604-798-5974 E-mail (operator or Manager) tsimmonds@harrisonhotsprings.ca Describer Your WATER SUPPLY SYSTEM What is the Source(s) of Raw Water? Deep Well Shallow Well Deep Well Other If other, specify details: Other Does the Drinking Water System have Filtration? Yes Check all boxes that apply Sand Filtration Cartridge Filter(s) Carbon Filter Soard ERCP up to Date? Yes If other, specify details: No Public REPORTING Emergency Response & Contingency Plan (ERCP)	Water System Owner Village of Harris	on Hot Springs					
E-mail (operator or Manager) tsimmonds@harrisonhotsprings.ca	Primary Contact Name (Operator or Manager)	Tyler Simmonds					
DESCRIBE YOUR WATER SUPPLY SYSTEM What is the Source(s) of Raw Water? □ Deep Well Shallow Well □ Surface Water □ Other If other, specify details: □ □ Other □ Other Does the Drinking Water System have Primary Disinfection? □ Yes □ No □ Chlorination □ Ultraviolet Light □ Ozone □ Other If other, specify details: □ □ Other □ Other If other, specify details: □ □ □ Other If other, specify details: □ □ □ No □ Chlorination □ Other □ Yes □ No □ Chlorination □ Other □ Yes □ No □ Chlorination □ Other □ Yes □ No Chlorination □ Other □ Yes □ No Chlorinating Water System have Filtration? □ Yes □ No Check all boxes that apply □ Carbon Filter □ Sand Filtration □ Reverse Osmosis □ Other If other, specify details: □ □ Pusuc Reportince □ □ □ Pusuc Reportince □ □ □ □	Phone Number (Operator or Manager) 604-75	98-5974					
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Chlorination ☑ Ultraviolet Light ○ zone ○ 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? ✓ ✓ ✓ ✓ Does the Drinking Water System have Filtration? ✓ ✓ ✓ ✓ Check all boxes that apply ✓ ✓ ✓ ✓ ✓ ✓ Cartridge Filter(s) ○ Carbon Filter ○ Sand Filtration ∩ Reverse Osmosis ○ Other If other, specify details: ✓ ✓ ✓ ✓ ✓ ✓ 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? ✓ ✓ ✓ ✓ ✓ Is your ERCP up to Date? ✓ ✓ ✓ ✓ ✓ Is your ERCP up to Date? ✓ ✓ ✓ ✓ ✓ Is your ERCP up to Date? ✓ ✓ ✓ ✓ ✓ Is your ERCP up to Date? ✓ ✓ ✓ ✓ ✓ Is your ERCP up to Date? ✓	If other, specify details:						
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If other, specify details: Does the Drinking Water System have Filtration?	Does the Drinking Water System have Seco	ndary Disinfection?	🗌 Yes	🗙 No			
Does the Drinking Water System have Filtration? X Yes No Check all boxes that apply Sand Filtration Reverse Osmosis Other X Cartridge Filter(s) Carbon Filter Sand Filtration Reverse Osmosis Other If other, specify details: Sand Filtration Reverse Osmosis Other PUBLIC REPORTING Sand Filtration No Emergency Response & Contingency Plan (ERCP) No Is your ERCP up to Date? Yes No How do you Inform the System Users of the ERCP? No Hand Delivered Bulletin Board Newspaper Utility Bill Insert Website Other (specify details) Drinking Water System Annual Report Utility Bill Insert Website	Chlorination Other						
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If other, specify details: PUBLIC REPORTING Emergency Response & Contingency Plan (ERCP) Is your ERCP up to Date? I 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	Check all boxes that apply						
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□ 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	How do you Inform the System Users of the ERCP?						
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How do you Inform the System Users of the Annual Report? Hand Delivered Bulletin Board Newspaper Utility Bill Insert Website	Other (specify details)						
Hand Delivered Bulletin Board Newspaper Utility Bill Insert Website	Drinking Water System Annual Report						
	How do you Inform the System Users of the Annual Report?						
Other (specify details)	🗌 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 XN/A

BACTERIOLOGICAL TESTING AND DRINKING WATER PROTECTION REGULATION WATER QUALITY STANDARDS				
22				
2/month				
🗌 No				
Comments:				
🗌 No				
If no, how do the users of the system view the results?				

WATER QUALITY STANDARDS FOR POTABLE WATER

Parameter:	Standard:	Did this system n	neet standard?
Escherichia coli (for all samples)	No detectable Escherichia coli per 100ml	🗙 Yes	🗌 No
Total Coliform Bacteria (if only 1 sample collected in a 30 day period)	No detectable total coliform bacteria per 100ml	🗌 Yes	🗌 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	🔀 Yes	🗌 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

DRINKING WATER SYSTEM ANNUAL REPORT PAGE 3 OF 4

🗙 No

CHEMICAL SAMPLING COMPLETED DURING THIS REPORTING PERIOD					
Was any chemical sampling conducted during reporting period? 🛛 Yes					
If no, when were the last chemical samples conducted for this system?			If yes, did all water samples meet the Guidelines for Canadian Drinking Water Quality?		
(date)	🗌 Don't Know	🗌 Never	☐ Yes	g	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	
lead, total	0.00561 mg/l	Re-test, 0.000636 mg/l	

ADDITIONAL TESTING

Does the system have analyzers for continuous monitoring?

Turbidity

If yes, check all boxes that apply:

Chlorine

Other (details)

🗌 Yes

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.)

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 🗙 Yes 🗌 No disinfection equipment, line breaks, elevated turbidity etc.). If yes, complete the table below; attach additional sheets if necessary. MAJOR UPGRADES/REPAIRS & EXPENSES Were there any major upgrades/repairs or any major costs 🗌 Yes 🗙 No incurred during this reporting period? 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?

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

Future Upgrades or Improvements	Estimated Date of Completion
Replace UV system	09-Jan-2023

DATE COMPLETED:	28-Feb-2023	COMPLETED BY:	Tyler Simmonds

X Yes

🗌 No

Incident Date	Type of Operational Problem	Corrective Action Taken
29-Aug-2022	well pump not working	replaced electrical and piping inside well

Sample Range Report

Fraser Health Authority

Facility Name:	Village of Harrison Hot Springs Art Gallery
Date Range:	Jan 1 2022 to Dec 31 2022
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>Kitchen Tap, 98</u> <u>Rockwell Dr</u>				
<u>Nockwell Di</u>	1-17-2022 10:07:00	LT1	LT1	
	AM 1-31-2022 10:37:00	LT1	LT1	
	AM 2-14-2022 10:20:00 AM	LT1	LT1	
	2-28-2022 10:20:00 AM	LT1	LT1	
	3-14-2022 10:15:00 AM	LT1	LT1	
	4-4-2022 10:20:00 AM	LT1	LT1	
	4-19-2022 10:17:00 AM	LT1	LT1	
	5-2-2022 10:35:00 AM	LT1	LT1	
	5-16-2022 10:27:00 AM	LT1	LT1	
	5-30-2022 10:48:00 AM	LT1	LT1	
	6-13-2022 10:30:00 AM	LT1	LT1	
	7-4-2022 10:28:00	LT1	LT1	
	AM 7-19-2022 10:50:00	LT1	LT1	
	AM 8-2-2022 10:39:00	LT1	LT1	
	AM 8-15-2022 11:00:00	LT1	LT1	
	AM 9-6-2022 10:20:00	LT1	LT1	
	AM 9-20-2022 10:15:00	LT1	LT1	
	AM 10-3-2022 10:40:00	LT1	LT1	
	AM 10-18-2022 10:38:00	LT1	LT1	
	AM 11-1-2022 8:30:00 AM	LT1	LT1	

	11-14-2022 11:00:	00	LT1	LT1	
	AM 12-5-2022 11:15:0	00	<u>LT1</u>	<u>LT1</u>	
	AM Total Positive:		0	0	0
Result Values:	E - estimated		L - less than	G -	greater than
Samples that conta Samples that conta Samples that conta Number of consecu contain total colifor Number of samples coliform in last 30 c	in e. coli: in fecal coliform: itive samples that m: s that contain total	0 0 0 0 0/0		0.00%	6 of total 6 of total 6 of total
Total number of sa	mples:	22			

Comments:

David Ferulir

Environmental Health Officer Feb 27 2023

FOR FURTHER INFORMATION PLEASE CALL: David Fowler

Work Order : \\A22B4651 Page : 1 of 6 Amendment 1 Amendment 1 Amendment 1 Laboratory : Vancouver - Environmental Client : Tyler Simmonds Laboratory : Vancouver - Environmental Contact : Tyler Simmonds : Sneha Sansare : Sneha Sansare Address : PO Box 160 495 Hot Springs Road : Address : Sneha Sansare Address : PO Box 160 495 Hot Springs Road : Address : Sneha Sansare Address : PO Box 160 495 Hot Springs Road : Address : Sneha Sansare Address : PO Box 160 495 Hot Springs Road : Address : Sneha Sansare Project : WTP June 2022 : Date Analysis Commenced : 28-Jun-2022 Po : To : Sneha Sansare : Sneha Sansare Project : IT : Date Analysis Commenced : 28-Jun-2022 Po : IT : Date Analysis Commenced : 28-Jun-2022 Sine : It : It : It Sine : It : It : It Address : It : It : It Poist : It : It : It Poist : It : It : It Poist <th>ad vom 1K0</th> <th></th> <th> 1 of 6 Vancouver - Environmental Sneha Sansare SoB1 Lougheed Highway Burnaby, British Columbia Canada V5A 1W9 +1 604 253 4188 28-Jun-2022 13:15 28-Jun-2022 12:57 </th>	ad vom 1K0		 1 of 6 Vancouver - Environmental Sneha Sansare SoB1 Lougheed Highway Burnaby, British Columbia Canada V5A 1W9 +1 604 253 4188 28-Jun-2022 13:15 28-Jun-2022 12:57
Amendment : 1 Client : Village of Harrison Hot Spring: Contact : Tyler Simmonds Address : Tyler Simmonds Address : PO Box 160 495 Hot Springs R Harrison Hot Springs BC Canat : Imonds Telephone : Imonds Project : WTP June 2022 PO : 18714 PO : Imonds Sampler : Imonds Site : Imonds Quote number : Imonds No: of samples received : Imonds No: of samples received : Imonds Infis report subersedes any previous report(s) with this refere	ad a VOM 1KO	aboratory ccount Manager ddress elephone ate Samples Received ate Analysis Commenced sue Date	Vancouver - Environmental Sneha Sansare 8081 Lougheed Highway Burnaby, British Columbia Canada V5A 1W9 +1 604 253 4188 28-Jun-2022 13:15 28-Jun-2022 12:57 18-Jul-2022 12:57
Client : Village of Harrison Hot Spring: Contact : Tyler Simmonds Address : Tyler Simmonds Address : PO Box 160 495 Hot Springs R Harrison Hot Springs BC Canat : Polect Project : WTP June 2022 PO : WTP June 2022 PO : 18714 C-O-C number : Site : Quote number : Site : No. of samples received : 4 No. of samples analysed : 4	ad a VOM 1KO	tboratory ccount Manager ddress slephone ate Samples Received ate Analysis Commenced sue Date	Vancouver - Environmental Sneha Sansare 8081 Lougheed Highway Burnaby, British Columbia Canada V5A 1W9 +1 604 253 4188 28-Jun-2022 13:15 28-Jun-2022 13:15 18-Jul-2022 12:57
Address PO Box 160 495 Hot Springs R Harrison Hot Springs BC Canat Telephone Project Previous report(s) with this refere	oad Ja VOM 1K0	ddress ddress lephone ate Samples Received ate Analysis Commenced sue Date	8081 Lougheed Highway Burnaby, British Columbia Canada V5A 1W9 +1 604 253 4188 28-Jun-2022 13:15 28-Jun-2022 12:57
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C-O-C number Sampler Site		sue Date	18-Jul-2022 12:57
Sampler : Site :	SD		
Site :: Quote number :: Quote for Harrison Hot Springs Quote number :: Quote for Harrison Hot Springs No. of samples received : 4 No. of samples analysed : 4 This report supersedes any previous report(s) with this refere	S		
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No. of samples analysed : 4 This report supersedes any previous report(s) with this refere			
This report supersedes any previous report(s) with this refere			
	srence. Results apply to the sample(s) as subm	itted. This document shall	not be reproduced, except in full.
This Certificate of Analysis contains the following information:	on:		
Actical Commission Analytical Results			
Guideline Comparison Additional information pertinent to this report will be found in the Review and Samula Receipt Notification (SRN)	be found in the following separate attachments:	chments: Quality Control Report,	rol Report, QC Interpretive report to assist with Quality
Signatories			
This document has been electronically signed by the authorized signatories below.		onducted in accordance w	Electronic signing is conducted in accordance with US FDA 21 CFR Part 11.
Signatories	sition	Laboratory Department	ot
	Team Leader - Metals	Metals, Burnaby, British Columbia	itish Columbia
Brieanna Allen Brieanna Allen	Production/Validation Manager Production/Validation Manager	Inorganics, Burnaby, British Columbia Microbiology Burnaby British Columb	Inorganics, Burnaby, British Columbia Microbioloov Burnaby British Columbia
	Team Leader - Metals	Metals, Burnaby, British Columbia	itish Columbia
Sandra Cummings	Department Manager - LCMS	LCMS, Waterloo, Ontario	ntario

VA22B4651 Amendment 1 2 of 6

- Village of Harrison Hot Springs
 - WTP June 2022



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, Reference methods may ISO, Environment Canada, BC MOE, and Ontario MOE. Refer to the ALS Quality Control Interpretive report (QCI) for applicable references and methodology summaries. 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.

Additional information pertinent to this report will be found in the following separate attachments: Quality Control Report, QAQC Compliance Assessment to assist with Quality Review and Sample Receipt Notification. When sampling time information is not provided by the client, sampling dates are shown without a time component. In these instances, the time component has been assumed by the laboratory for processing purposes. Application of guidelines is provided "as is" without warranty of any kind, either expressed or implied, including, but not limited to fitness for a particular purpose, or non-infringement. ALS assumes no responsibility for errors or omissions in the information. Guidelines are not adjusted for the hardness, pH or temperature of the sample (the most conservative values are used). Measurement uncertainty is not applied to test results prior to comparison with specified criteria values.

LOR: Limit of Reporting (detection limit). Key :

Unit	Description
hg/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 100 mL
NTU	nephelometric turbidity units
pH units	pH units
>: greater than.	

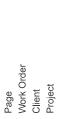
<: less than.

Red shading is applied where the result is greater than the Guideline Upper Limit or the result is lower than the Guideline Lower Limit.

For drinking water samples, Red shading is applied where the result for E coli, fecal or total coliforms is greater than or equal to the Guideline Upper Limit

Qualifiers

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



- 3 of 6 VA22B4651 Amendment 1
- Village of Harrison Hot Springs WTP June 2022



Analytical Results Evaluation		L							
Matrix: Water	Clier	Client sample ID	Treated water	Peace Park	Art Gallery	I	I	ł	
	Sampli	Sampling date/time	28-Jun-2022 07:00	28-Jun-2022 07:00	28-Jun-2022 07:00	1		1	
		Sub-Matrix	Water	Water	Water	1	1		
Analyte	CAS Number	Unit	VA22B4651-002	VA22B4651-003	VA22B4651-004				1
Physical Tests									
alkalinity, total (as CaCO3)	1	mg/L	16.8	16.6	38.3	I	I	1	
colour, true	1	cn	<5.0	<5.0	7.6		1	I	
conductivity	1	µS/cm	53.0	53.1	109	1	ł	1	
рН	1	pH units	7.47	7.47	7.54		1	-	
solids, total dissolved [TDS]	1	mg/L	34	38	70	1	I	1	
turbidity	1	NTU	<0.10	<0.10	0.59		1	1	
hardness (as CaCO3), from total Ca/Mg	1	mg/L	18.1	18.0	37 1	1	ł	1	
Anions and Nutrients									
chloride	16887-00-6	mg/L	1.87	1.88	5.95	1	1	1	
fluoride	16984-48-8	mg/L	<0.020	<0.020	<0.020	I	ł	1	
nitrate (as N)	14797-55-8	mg/L	0.0620	0.0661	0.0061	-	-	-	
nitrite (as N)	14797-65-0	mg/L	<0.0010	<0.0010	<0.0010	I		1	
sulfate (as SO4)	14808-79-8	mg/L	5.16	5.16	6.11	-	1	1	
Microbiological Tests									
coliforms, total	1	MPN/100mL	¥	Ŷ	⊽	1	ł	1	
coliforms, Escherichia coli [E. coli]	1	MPN/100mL	Ŷ	7	Ŷ			1	
Total Metals									
aluminum, total	7429-90-5	mg/L	0.0135	0.0126	0.0145	I	-	1	
antimony, total	7440-36-0	mg/L	<0.00050	<0.00050	<0.00050	I	I	1	
arsenic, total	7440-38-2	mg/L	0.00017	0.00018	0.00023		I	1	
barium, total	7440-39-3	mg/L	<0.0200	<0.0200	<0.0200	1	1		
boron, total	7440-42-8	mg/L	<0.100	<0.100	<0.100	I	ł	1	
cadmium, total	7440-43-9	mg/L	<0.000200	<0.000200	<0.000200	1	1		
calcium, total	7440-70-2	mg/L	6.15	6.10	13.1		-	1	
chromium, total	7440-47-3	mg/L	<0.00200	<0.00200	<0.00200		1	1	
copper, total	7440-50-8	mg/L	<0.00100	0.00182	0.201	I	1	1	
iron, total	7439-89-6	mg/L	<0.030	<0.030	0.232			1	

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Village of Harrison Hot Springs WTP June 2022 : 4 of 6 VA22B4651 Amendment 1 Page Work Order Client Project



Analytical Results Evaluation



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Art Gallery

Peace Park

Client sample ID Treated water

Matrix: Water					,				
	Samplir	Sampling date/fime	28-Jun-2022 07:00	28-Jun-2022 07:00	28-Jun-2022 07:00			1	
		Sub-Matrix	Water	Water	Water	1	1		
Analyte	CAS Number	Unit	VA22B4651-002	VA22B4651-003	VA22B4651-004				
Total Metals									
lead, total	7439-92-1	mg/L	<0.000500	<0.000500	0.00561	1	1	1	1
magnesium, total	7439-95-4	mg/L	0.676	0.673	1.06	1	1	1	1
manganese, total	7439-96-5	mg/L	<0.00200	<0.00200	0.0116		1	1	1
mercury, total	7439-97-6	mg/L	<0.0000050	<0.0000050	<0.0000050		1	1	1
potassium, total	7440-09-7	mg/L	0.597	0.598	1.25	I	1	1	1
selenium, total	7782-49-2	mg/L	<0.00100	<0.00100	<0.00100	1	1	1	I
sodium, total	7440-23-5	mg/L	2.04	2.10	5.28	1	1	1	ł
uranium, total	7440-61-1	mg/L	<0.000100	<0.000100	<0.000100	1	1	1	1
zinc, total	7440-66-6	mg/L	<0.0500	<0.0500	2.08	1	1	1	1
Haloacetic Acids									
bromochloroacetic acid	5589-96-8	hg/L	<1.20 ^{DLM}	<1.26 ^{DLM}		1	1	-	-
dibromoacetic acid	631-64-1	hg/L	<1.00	<1.00		I		-	-
dichloroacetic acid	79-43-6	hg/L	11.2	12.2	-	1	1	-	-
monobromoacetic acid	79-08-3	hg/L	<10.0 ^{DLM}	<10.0 ^{DLM}	1	I	1	I	1
monochloroacetic acid	79-11-8	hg/L	4.56	<1.00		1	I	I	1
trichloroacetic acid	76-03-9	hg/L	17.8	22.8	-	1	1	1	1
haloacetic acids, total [HAA5]		hg/L	33.6	35.0	1				
Please refer to the General Comments section for an explanation of any qualifiers detected.	xplanation of any q	ualifiers detec	ted.						

Summary of Guideline Breaches by Sample

SampleID/Client ID	Matrix	Analyte	Analyte Summary	Guideline		Result	Limit
Art Gallery	Water	lead, total		BCDWQG	MAC	0.00561 mg/L	0.005 mg/L

WTP June 2022 Page Work Order Client Project

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Summary of Guideline Limits

: 5 of 6	VA22B4651 Amendment 1	: Village of Harrison Hot	

ALS	

	-			-	-	
Analyte CAS Number	Unit	BCDWQG AO	BCDWQG MAC	BCDWQG OG		
Physical Tests						
alkalinity, total (as CaCO3)	mg/L			_		
colour, true	cU	15 CU				
conductivity	µS/cm					
hardness (as CaCO3), from total Ca/Mg	mg/L					
Hd	pH units	7 - 10.5 pH unite				
solids, total dissolved [TDS]	mg/L	500 mg/L				
turbidity	NTU			1 NTU		
Anions and Nutrients						
chloride 16887-00-6	mg/L	250 mg/L				
fluoride 16984-48-8	mg/L		1.5 mg/L			
	mg/L		10 mg/L			
nitrite (as N) 14797-65-0	mg/L		1 mg/L			
sulfate (as SO4) 14808-79-8	mg/L					
Microbiological Tests						
coliforms, Escherichia coli [E. coli]	MPN/100mL		1 MPN/100mL			
coliforms, total	MPN/100mL		1 MPN/100mL			
Total Metals						
aluminum, total 7429-90-5	mg/L		2.9 mg/L			
antimony, total 7440-36-0	mg/L		0.006 mg/L			
arsenic, total 7440-38-2	mg/L		0.01 mg/L			
	mg/L		2 mg/L			
boron, total 7440-42-8	mg/L		5 mg/L			
<u>a</u>	mg/L		0.007 mg/L			
calcium, total 7440-70-2	mg/L					
otal	mg/L		0.05 mg/L			
copper, total 7440-50-8	mg/L	1 mg/L	2 mg/L			
	mg/L	0.3 mg/L				
T439-92-1 7439-92-1	mg/L		0.005 mg/L			
magnesium, total 7439-95-4	mg/L					
manganese, total 7439-96-5	mg/L	0.02 mg/L				
mercury, total 7439-97-6	mg/L		0.001 mg/L			
potassium, total 7440-09-7	mg/L					
selenium, total 7782-49-2	mg/L		0.01 mg/L			
sodium, total 7440-23-5	mg/L	200 mg/L				
total	mg/L		0.02 mg/L			
Zinc, total 7440-66-6	mg/L	5 mg/L	3 mg/L			

- Village of Harrison Hot Springs
 WTP June 2022

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ALS

Analyte	CAS Number	Unit	BCDWQG	BCDWQG	BCDWQG		
			AO	MAC	90	 	
Haloacetic Acids							
bromochloroacetic acid	5589-96-8	hg/L				 	
dibromoacetic acid	631-64-1	hg/L					
dichloroacetic acid	79-43-6	hg/L					
haloacetic acids, total [HAA5]	1	hg/L		80 µg/L			
monobromoacetic acid	79-08-3	hg/L				 	
monochloroacetic acid	79-11-8	hg/L					
trichloroacetic acid	76-03-9	hg/L				 	

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

	British Columbia Drinking Water Quality Guidelines (JAN, 2020	Aesthetic Objective/Other Value	Maximium Acceptable Concentrations	Operational Guidance
Key:	BCDWQG	AO	MAC	90

rder S	IFICATE OF ANALYSIS	
н м өр	Page	: 1 of 2
	Laboratory	: Vancouver - Environmental
s	Account Manager	: Sneha Sansare
	Address	: 8081 Lougheed Highway
one		Burnaby BC Canada V5A 1W9
	Telephone	: +1 604 253 4188
Project : Art Gallery Lead Sample	Date Samples Received	: 19-Jul-2022 16:45
PO : 18735	Date Analysis Commenced	: 20-Jul-2022
C-O-C number	Issue Date	: 20-Jul-2022 16:01
Sampler : TS		
Site :		
Quote number : Quote for Harrison Hot Springs		
No. of samples received : 1		
No. of samples analysed : 1		
 This Certificate of Analysis contains the following information: General Comments Analytical Results Additional information pertinent to this report will be found in the following 	g separate attachments: Quality Control Report,	Report, QC Interpretive report to assist with Quality Review and
Signatories		
This document has been electronically signed by the authorized signatories below. Ele	ectronic signing is conducted in accordance with US FDA 21 CFR Part 11.	ו US FDA 21 CFR Part 11.
Sinnatorias	Laboratory Department	

: 2 of 2	: VA22B6537	Village of Harrison Hot Springs	: Art Gallery Lead Sample	
Page	Work Order	Client	Project	



General Comments

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 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, 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).

milligrams per litre Description mg/L Unit

<: 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			Clie	nt sample ID	Client sample ID Art Gallery	1	1	1	1
(Matrix: Water)									
			Client samplii	ng date / time	18-Jul-2022 10:00	1	1	1	1
Analyte	CAS Number	Method	LOR	Unit	LOR Unit VA22B6537-001				
				Į	Result	1	1	1	
Total Metals									
lead, total	7439-92-1	E420	0.000050	mg/L	0.000636	l	1		ł

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



February 1, 2022

Water System Operators

Re: Metals in Drinking Water – "Flush" Message in Annual Reports

Fraser Health has recently revised its metals at the tap "Flush" message and we are asking all water systems to please include the following health message with your next annual reports to your users.

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.

Sincerely,

Drinking Water Program Fraser Health Authority HPLand@fraserhealth.ca

Fraser Health Authority Health Protection Suite 400 2777 Gladwin Rd Abbotsford BC V2T 4V1 Canada Tel (604) 870-7900 Fax (604) 852-1558 www.fraserhealth.ca

Village of Harrison Hot Springs

	Wate	r Sample So	hedule 2023
Date	Site 1	Site 2	Site 3
January			
3	290 Esplanade	459 naismith	98 Rockwell Dr
9	Beach Washrooms	526 Driftwood	
16	Public Works Office	973 Hotsprings Rd/Tap	98 Rockwell Dr
23	Peace Park	Community Garden	
30	170 Cedar	442 Pine	98 Rockwell Dr
Febuary			
6	Boatlaunch Washrooms	843 Myng	
13	Echo (Spring Park)	Water Treatment Plant	98 Rockwell Dr
20	290 Esplanade	459 naismith	
27	Beach Washrooms	526 Driftwood	98 Rockwell Dr
March			
6	Public Works Office	973 Hotsprings Rd/Tap	
13	Peace Park	Community Garden	98 Rockwell Dr
20	170 Cedar	442 Pine	
27	Boatlaunch Washrooms	843 Myng	
April			
3	Echo (Spring Park)	Water Treatment Plant	98 Rockwell Dr
10	290 Esplanade	459 naismith	
17	Beach Washrooms	526 Driftwood	98 Rockwell Dr
24	Public Works Office	973 Hotsprings Rd/Tap	
May			
1	Peace Park	Community Garden	98 Rockwell Dr
8	170 Cedar	442 Pine	
15	Boatlaunch Washrooms	843 Myng	98 Rockwell Dr
22	Echo (Spring Park)	Water Treatment Plant	
29	290 Esplanade	459 naismith	98 Rockwell Dr
June			
5	Beach Washrooms	526 Driftwood	
12	Public Works Office	973 Hotsprings Rd/Tap	98 Rockwell Dr
19	Peace Park	Community Garden	
26	170 Cedar	442 Pine	
July			
3	Boatlaunch Washrooms	843 Myng	98 Rockwell Dr
10	Echo (Spring Park)	Water Treatment Plant	
17	290 Esplanade	459 naismith	98 Rockwell Dr
24	Beach Washrooms	526 Driftwood	
31	Public Works Office	973 Hotsprings Rd/Tap	98 Rockwell Dr
August			
7	Peace Park	Community Garden	
14	170 Cedar	442 Pine	98 Rockwell Dr
21	Boatlaunch Washrooms	843 Myng	
28	Echo (Spring Park)	Water Treatment Plant	

Village of Harrison Hot Springs

Water Sample Schedule 2023

September			
4	290 Esplanade	459 naismith	98 Rockwell Dr
11	Beach Washrooms	526 Driftwood	
18	Public Works Office	973 Hotsprings Rd/Tap	98 Rockwell Dr
25	Peace Park	Community Garden	
October			
2	170 Cedar	442 Pine	98 Rockwell Dr
9	Boatlaunch Washrooms	843 Myng	
16	Echo (Spring Park)	Water Treatment Plant	98 Rockwell Dr
23	290 Esplanade	459 naismith	
30	Beach Washrooms	526 Driftwood	98 Rockwell Dr
November			
6	Public Works Office	973 Hotsprings Rd/Tap	
13	Peace Park	Community Garden	98 Rockwell Dr
20	170 Cedar	442 Pine	
27	Boatlaunch Washrooms	843 Myng	
December			
4	Echo (Spring Park)	Water Treatment Plant	98 Rockwell Dr
11	290 Esplanade	459 naismith	
18	Beach Washrooms	526 Driftwood	98 rockwell Dr
25	Public Works Office	973 Hotsprings Rd/Tap	