

EMERGENCY RESPONSE & CONTINGENCY PLAN

2022

Water System Name: Vanguard Secondary.

Emergency Contacts	Name and Title	Phone	Fax	E-mail
Water System - Primary Contact (person responsible for receiving call from lab and/or FHA)	Terry Walker	Office : 604-534-3294 Cell: 604-841-7299	604-534-0841	tewalker@sd35.bc.ca
Water System - Secondary Contact (Should primary contact be ill or on vacation etc.)	Brad Cairns	Office : 604-534-3294 Cell: 604-830-6367	604-534-0841	brcairns@sd35.bc.ca
Water System Owner	Langley School district #35	Ph: 604-534-3294	604-534-0841	
Fraser Health Authority Contacts				
Environmental Health Officer	Barbara Haworth	604-870-7900	604-870-7901	barb.haworth@fraserhealth.ca
Medical Health Officer	MHO Line 8-4:30	604-587-3828or 1-877-342-6467		
	After Hours Line	604-527-4806		
Fraser Health After Hours Contact (After 4:30 pm or on weekends)	Fraser Health On-Call Staff	604-527-4806		
Emergency Contacts				
Alternate Source of Water i.e. bottled water or bulk supply	Allied Water Supply	604-534-6085		
Plumbing Services	District Facilities	604-534-3294		
Equipment Services i.e. Treatment/pumps	Union Pumps	604-533-3727		
Electrical Services	District Facilities	604-534-3294		
B.C. Hydro		1-888-769-3766		
Other				

Signature: 

Title: Brad Cairns

Manager, Mechanical Systems

Name: _____

Date: _____

FEB 24 2022

Analytical Report

Bill To: School District #35	Project ID:	Lot ID: 1507158
20260 - 64 Avenue	Project Name:	Control Number:
Langley, BC, Canada	Project Location:	Date Received: Jul 20, 2021
V3A 4P7	LSD:	Date Reported: Jul 26, 2021
Attn: Accounts Payable	P.O.: S00023	Report Number: 2643287
Sampled By:	Proj. Acct. code:	
Company:		

Reference Number	1507158-2
Sample Date	July 20, 2021
Sample Time	09:30
Sample Location	Vanguard
Sample Description	9.5 °C
Sample Matrix	Drinking Water

Sample Matrix			Drinking Water			
Analyte		Units	Result	Nominal Detection Limit	Guideline Limit	Guideline Comments
Metals Extractable						
Aluminum	Extractable	mg/L	0.011	0.001	0.1	Below OG
Antimony	Extractable	mg/L	0.00004	0.00002	0.006	Below MAC
Arsenic	Extractable	mg/L	0.0010	0.0001	0.010	Below MAC
Barium	Extractable	mg/L	0.010	0.0001	2.0	Below MAC
Boron	Extractable	mg/L	0.002	0.002	5	Below MAC
Cadmium	Extractable	mg/L	<0.00001	0.00001	0.007	Below MAC
Chromium	Extractable	mg/L	0.00017	0.00005	0.05	Below MAC
Copper	Extractable	mg/L	0.020	0.0005	1 AO; 2 MAC	Below AO
Lead	Extractable	mg/L	0.00016	0.00001	0.005	Below MAC
Selenium	Extractable	mg/L	0.0008	0.0002	0.05	Below MAC
Strontium	Extractable	mg/L	0.045	0.0001	7.0	Below MAC
Uranium	Extractable	mg/L	0.00005	0.00001	0.02	Below MAC
Vanadium	Extractable	mg/L	0.0031	0.00005		
Zinc	Extractable	mg/L	0.0038	0.0005	5.0	Below AO
Microbiological Analysis						
Total Coliforms	Enzyme Substrate Test	MPN/100 mL	<1.0	1.0	0 per 100 mL	Below 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	0.18	0.1	0.1	Above OG
Routine Water						
pH - Holding Time			Exceeded			
pH	at 25 °C		7.74	0.01	7.0-10.5	Within Range
Electrical Conductivity		µS/cm at 25 °C	138	1		
Calcium	Extractable	mg/L	10	0.01		
Iron	Extractable	mg/L	0.018	0.004	0.3	Below AO
Magnesium	Extractable	mg/L	6.3	0.02		
Manganese	Extractable	mg/L	0.004	0.001	0.02 AO; 0.12 MAC	Below AO
Potassium	Extractable	mg/L	1.0	0.04		
Silicon	Extractable	mg/L	11	0.005		
Sodium	Extractable	mg/L	4.9	0.1	200	Below AO
T-Alkalinity	as CaCO3	mg/L	55	5		
Chloride	Dissolved	mg/L	3.24	0.05	250	Below AO
Fluoride	Dissolved	mg/L	<0.01	0.01	1.5	Below MAC
Nitrate - N	Dissolved	mg/L	1.05	0.01	10	Below MAC
Nitrite - N	Dissolved	mg/L	<0.01	0.01	1	Below MAC
Sulfate (SO4)	Dissolved	mg/L	6.1	0.1	500	Below AO

Analytical Report

Bill To: School District #35	Project ID:	Lot ID: 1507158
20260 - 64 Avenue	Project Name:	Control Number:
Langley, BC, Canada	Project Location:	Date Received: Jul 20, 2021
V3A 4P7	LSD:	Date Reported: Jul 26, 2021
Attn: Accounts Payable	P.O.: S00023	Report Number: 2643287
Sampled By:	Proj. Acct. code:	
Company:		

Reference Number	1507158-2
Sample Date	July 20, 2021
Sample Time	09:30
Sample Location	
Sample Description	Otter Elem / 9.5 °C
Sample Matrix	Drinking Water

Analyte		Units	Result	Nominal Detection Limit	Guideline Limit	Guideline Comments
Routine Water - Continued						
Hardness	as CaCO ₃ (extractable)	mg/L	52	1		
Total Dissolved Solids	Extractable	mg/L	100	1	500	Below AO

Approved by: 
Reena Badwal
Operations Chemist

Sample Range Report

Fraser Health Authority

Facility Name: ~~Otter Elementary School WS~~ *Vanquard*

Date Range: Jan 1 2021 to Dec 31 2021

Operator Brad Cairns
Attn Accounts Payable

4875 222nd St
Langley City, BC V3A 3Z7

Sampling Site	Date Collected	Total Coliform	E. Coli	Fecal Coliform
<u>Class Room 5, 3825</u>				
<u>244 th St.</u>				
	1-12-2021 9:10:00 AM	LT1	LT1	
	1-25-2021 8:45:00 AM	LT1	LT1	
	2-9-2021 8:55:00 AM	LT1	LT1	
	2-23-2021 9:45:00 AM	LT1	LT1	
	3-9-2021 8:35:00 AM	LT1	LT1	
	3-23-2021 8:50:00 AM	LT1	LT1	
	3-23-2021 9:30:00 AM	LT1	LT1	
	4-13-2021 9:05:00 AM	LT1	LT1	
	4-28-2021 9:05:00 AM	LT1	LT1	
	5-10-2021 8:20:00 AM	LT1	LT1	
	5-25-2021 8:50:00 AM	LT1	LT1	
	6-8-2021 8:50:00 AM	LT1	LT1	
	6-22-2021 9:25:00 AM	LT1	LT1	
	7-6-2021 8:45:00 AM	LT1	LT1	
	7-20-2021 9:30:00 AM	LT1	LT1	
	8-10-2021 9:20:00 AM	LT1	LT1	
	8-24-2021 8:45:00 AM	LT1	LT1	
	9-7-2021 9:20:00 AM	LT1	LT1	
	9-21-2021 9:00:00 AM	LT1	LT1	
	10-5-2021 8:55:00 AM	LT1	LT1	
	10-19-2021 8:50:00 AM	LT1	LT1	
	11-8-2021 8:05:00	LT1	LT1	

AM			
11-23-2021 8:45:00	LT1	LT1	
AM			
12-8-2021 8:45:00	LT1	LT1	
AM			
12-20-2021 9:05:00	<u>LT1</u>	<u>LT1</u>	
AM			
Total Positive:	0	0	0

Staff Room, 3825
244th St.

1-12-2021 9:15:00	LT1	LT1
AM		
1-25-2021 8:40:00	LT1	LT1
AM		
2-9-2021 8:50:00 AM	LT1	LT1
2-23-2021 9:40:00	LT1	LT1
AM		
3-9-2021 8:30:00 AM	LT1	LT1
3-23-2021 8:45:00	LT1	LT1
AM		
4-13-2021 9:00:00	LT1	LT1
AM		
4-28-2021 9:00:00	LT1	LT1
AM		
5-10-2021 8:15:00	LT1	LT1
AM		
5-25-2021 8:45:00	LT1	LT1
AM		
6-8-2021 8:45:00 AM	LT1	LT1
6-22-2021 9:20:00	LT1	LT1
AM		
7-6-2021 8:40:00 AM	LT1	LT1
7-20-2021 9:20:00	LT1	LT1
AM		
8-10-2021 9:15:00	LT1	LT1
AM		
8-24-2021 8:40:00	LT1	LT1
AM		
9-7-2021 9:15:00 AM	LT1	LT1
9-21-2021 9:05:00	LT1	LT1
AM		
10-5-2021 9:00:00	LT1	LT1
AM		
10-19-2021 8:55:00	LT1	LT1
AM		
11-8-2021 8:45:00	LT1	LT1
AM		
11-23-2021 8:40:00	LT1	LT1
AM		
12-8-2021 8:40:00	LT1	LT1
AM		
12-20-2021 9:00:00	<u>LT1</u>	<u>LT1</u>
AM		

Total Positive: 0 0 0

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

Samples that 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:	0/0	
Total number of samples:	49	

Comments:



Environmental Health Officer

Jan 27 2022

FOR FURTHER INFORMATION PLEASE CALL: Barb Haworth