



3851B – 21 Street NE • Calgary, Alberta, Canada • T2E 6T5

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Rocky View Utility Corporation

220, 355 Centre Street N
Langdon, AB T0J 1X2

Phone: (403) 936-8744
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Lab Number: 84953

PO Number

Sample Info: LWW
Treated

Sampled By: CB
Date Sampled: 12/12/2018
Date Received: 12/12/2018
Date Reported: 1/10/2019

Analyte	Units	Result	Canadian Drinking Water Guideline Maximum
Calcium	mg/L	14.9	No Guideline
Iron	mg/L	<0.03	AO: 0.3
Magnesium	mg/L	11.0	No Guideline
Manganese	mg/L	0.01	AO: 0.05
Potassium	mg/L	0.7	No Guideline
Sodium	mg/L	111	AO: 200
Bicarbonates	mg/L	151	No Guideline
Bromides	mg/L	0.1	No Guideline
Carbonates	mg/L	0	No Guideline
Chlorides	mg/L	4.6	AO: 250
Fluorides	mg/L	0.05	MAC: 1.5
Nitrates as N	mg/L	<0.005	MAC: 10
Nitrites as N	mg/L	<0.002	MAC: 1
NO ₃ + NO ₂ as N	mg/L	<0.005	No Guideline
Sulfates	mg/L	182	AO: 500

Parameter	Units	Result	Canadian Drinking Water Guideline Maximum
Electrical Conductivity	µS/cm	596	No Guideline
pH	pH	7.75	AO: 7.0 - 10.5
Hardness (as CaCO ₃)	mg/L	83	No Guideline
Total Alkalinity (as CaCO ₃)	mg/L	124	No Guideline
P-Alkalinity (as CaCO ₃)	mg/L	0	No Guideline
Hydroxide (as CaCO ₃)	mg/L	0	No Guideline
Total Dissolved Solids (calculated)	mg/L	399	AO: 500
Sulfides as S	mg/L	<0.03	AO: 0.05
Turbidity	NTU	0.3	MAC: 1
Color	TCU	<5	AO: 15
Ammonia Nitrogen	mg/L	<0.9	No Guideline
Total Organic Carbon	mg/L	1.5	No Guideline
Bromate	mg/L	<0.010	MAC: 0.01
Chlorate	mg/L	<0.10	MAC: 1
Chlorite	mg/L	<0.10	MAC: 1
Chloramines	mg/L	0.2	MAC: 3
UV Absorbance	Abs	0.01	No Guideline

Microbiology	Units	Result	Canadian Drinking Water Guideline Maximum
Microcystin-LR	µg/L	<0.14	MAC: 1.5

Sum of Cations	6.49	TDS / EC Ratio	0.67
Sum of Anions	6.41	Sodium Adsorption Ratio	5.32
Ion Balance	1.01	Saturation Index	-0.43



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Trace Metals	Units	Result	Canadian Drinking Water Guideline Maximum
Boron	µg/L	181	MAC: 5000
Aluminum	µg/L	<0.2	OG: 100
Chromium	µg/L	0.1	MAC: 50
Copper	µg/L	19.8	AO: 1000
Zinc	µg/L	2.7	AO: 5000
Arsenic	µg/L	<0.04	MAC: 10
Selenium	µg/L	0.4	MAC: 50
Silver	µg/L	0.5	No Guideline
Cadmium	µg/L	<0.05	MAC: 5
Antimony	µg/L	<0.3	MAC: 6
Barium	µg/L	0.9	MAC: 1000
Mercury	µg/L	0.1	MAC: 1
Lead	µg/L	<0.1	MAC: 10
Uranium	µg/L	0.7	MAC: 20

WSH Labs (1992) Ltd. as per: 

< denotes less than detection limit. TNTC = Too Numerous To Count (>80 colonies). MAC = Maximum Acceptable Concentration. AO = Aesthetic Objective.

OG = Operational Guidance Value. Guidelines for Canadian Drinking Water Quality are provided courtesy of Health Canada, February 2017.

Accredited by CALA to ISO/IEC 17025 for specific tests. The results above are related only to the items analyzed.

Control No: WSH-BKW-022818-Rev1.0