

Rocky View Utility Corp.

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

Phone: (403) 936-0073 **Lab Number:** 78751
Fax: (403) 936-5739
Email: fmisura@rvuc.ca **PO Number:**

Sample Info: Langdon Water System
 Treated Water

Sampled By: C Brvens
Date Sampled: 12/15/2015
Date Received: 12/15/2015
Date Reported: 1/28/2016

Analyte	Units	Result	Canadian Drinking Water Guideline Maximum
Calcium	mg/L	22.4	No Guideline
Iron, dissolved	mg/L	<0.03	0.3
Magnesium	mg/L	21.5	No Guideline
Manganese, dissolved	mg/L	<0.01	0.05
Potassium	mg/L	1.2	No Guideline
Sodium	mg/L	132	200
Bicarbonates	mg/L	216	No Guideline
Bromides	mg/L	<0.1	No Guideline
Carbonates	mg/L	0	No Guideline
Chlorides	mg/L	7.9	250
Fluorides	mg/L	0.10	1.5
Nitrates as N	mg/L	<0.02	10
Nitrites as N	mg/L	<0.02	1
NO ₃ + NO ₂ as N	mg/L	<0.02	No Guideline
Sulfates	mg/L	229	500

Parameter	Units	Result	Canadian Drinking Water Guideline Maximum
Electrical Conductivity	µS/cm	840	No Guideline
pH	pH	8.05	6.5 - 8.5
Hardness (as CaCO ₃)	mg/L	144	No Guideline
Total Alkalinity (as CaCO ₃)	mg/L	177	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	520	500
Sulfides as S	mg/L	<0.03	0.05
Turbidity	NTU	0.3	1
Color	TCU	<5	15
Ammonia Nitrogen	mg/L	<0.9	No Guideline
UV Absorbance	Abs	0.016	No Guideline
Chloramines	mg/L	0.3	3
Bromate	mg/L	<0.010	0.01

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

Sum of Cations	8.65	TDS / EC Ratio	0.62
Sum of Anions	8.54	Sodium Adsorption Ratio	4.78
Ion Balance	1.01	Saturation Index	0.18



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Trace Metals	Units	Result	Canadian Drinking Water Guideline Maximum
Boron	µg/L	158	5000
Aluminum	µg/L	1.6	100
Chromium	µg/L	0.6	50
Copper	µg/L	15.5	1000
Zinc	µg/L	19.8	5000
Arsenic	µg/L	0.1	10
Selenium	µg/L	0.5	10
Silver	µg/L	0.3	No Guideline
- Cadmium	µg/L	<0.05	5
- Antimony	µg/L	<0.3	6
- Barium	µg/L	2.8	1000
- Mercury	µg/L	<0.05	1
- Lead	µg/L	0.4	10
- Uranium	µg/L	2.4	20

WSH Labs (1992) Ltd. as per: _____

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

< denotes less than detection limit.