



Rocky View Utility Corporation

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Langdon, AB T0J 1X2

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Lab Number: 90076

PO Number:

Sample Info: WTP #2
Treated

Sampled By: CB
Date Sampled: 5/13/2021
Date Received: 5/13/2021
Date Reported: 5/31/2021

TEST REPORT

Analyte	Units	Result	CDW Guideline Maximum	Detection Limit
Calcium	mg/L	22.9	No Guideline	0.02
Iron	mg/L	<0.03	AO: 0.3	0.03
Magnesium	mg/L	18.2	No Guideline	0.02
Manganese	mg/L	<0.01	AO: 0.02, MAC: 0.12	0.01
Potassium	mg/L	1.1	No Guideline	0.02
Sodium	mg/L	147	AO: 200	0.02
Bicarbonates	mg/L	217	No Guideline	-
Bromides	mg/L	0.3	No Guideline	0.2
Carbonates	mg/L	0	No Guideline	-
Chlorides	mg/L	8.4	AO: 250	0.1
Fluorides	mg/L	0.08	MAC: 1.5	0.02
Nitrates as N	mg/L	<0.04	MAC: 10	0.04
Nitrites as N	mg/L	<0.05	MAC: 1	0.05
NO ₃ + NO ₂ as N	mg/L	<0.04	No Guideline	0.04
Sulfates	mg/L	229	AO: 500	0.9

Parameter	Units	Result	CDW Guideline Maximum	Detection Limit
Electrical Conductivity (at 25°C)	µS/cm	861	No Guideline	0.2
pH	pH	8.03	7.0 - 10.5	-
Hardness (as CaCO ₃)	mg/L	132	No Guideline	0.1
Total Alkalinity (as CaCO ₃)	mg/L	178	No Guideline	3
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	533	AO: 500	4
Sulfides as S	mg/L	<0.02	AO: 0.05	0.02
Turbidity	NTU	0.2	MAC: 1	0.1
Color	TCU	<5	AO: 15	5
Ammonia Nitrogen	mg/L	<0.9	No Guideline	0.9
Total Organic Carbon	mg/L	2.2	No Guideline	0.5
Bromate	mg/L	<0.0095	MAC: 0.01	0.0095
Chloramines	mg/L	0.2	No Guideline	0.1
Chlorate	mg/L	0.15	MAC: 1	0.10
Chlorite	mg/L	<0.10	MAC: 1	0.10
UV Absorbance	Abs	0.016	No Guideline	0.009

Sum of Cations	9.06	TDS / EC Ratio	0.62
Sum of Anions	8.57	Sodium Adsorption Ratio	5.57
Ion Balance	1.06	Saturation Index	0.17

WATER HARDNESS COMPARISON

City Name	Province	Hardness mg/L	Hardness Grains/Gallon
Airdrie	AB	165 - 216	11.6 - 15.1
Banff	AB	190	11.1
Bassano	AB	173	10.1
Bow Island	AB	170	9.9
Brooks	AB	180	10.5
Calgary	AB	166 - 216	11.6 - 15.1
Cardston	AB	230	13.5
Cochrane	AB	180	11
Coleman	AB	145	8.5
Drumheller	AB	296	17.3
Langdon	AB	132	7.7