WSH Labs (1992) Ltd.

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

Phone: (403) 250-9164 • Fax: (403) 291-4597 • www.wshlabs.com

Rocky View Utility Corporation
220, 355 Centre Street N
Langdon, AB T0J 1X2

Phone: (403) 936-8744
Fax: (403) 936-5163
Email:

Lab Number: 97389
PO Number:

Sample Info: LWW #2
Treated

Sampled By: CB
Date Sampled: 7/16/2024
Date Received: 7/16/2024
Date Reported: 7/30/2024

TEST REPORT

Analyte	Units	Result	CDW Guideline Maximum	Detection Limit
Calcium	mg/L	22.8	No Guideline	0.02
Iron	mg/L	<0.03	AO: 0.3	0.03
Magnesium	mg/L	16.7	No Guideline	0.02
Manganese	mg/L	<0.01	AO: 0.02, MAC: 0.12	0.01
Potassium	mg/L	1.0	No Guideline	0.02
Sodium	mg/L	126	AO: 200	0.02
Bicarbonates	mg/L	218	No Guideline	-
Bromides	mg/L	<0.2	No Guideline	0.2
Carbonates	mg/L	0	No Guideline	-
Chlorides	mg/L	6.4	AO: 250	0.1
Fluorides	mg/L	0.10	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	210	AO: 500	0.9

Parameter	Units	Result	CDW Guideline Maximum	Detection Limit
Electrical Conductivity (at 25°C)	µS/cm	809	No Guideline	0.2
pH	pH	7.89	7.0 - 10.5	-
Hardness (as $CaCO_3$)	mg/L	126	No Guideline	0.1
Total Alkalinity (as $CaCO_3$)	mg/L	179	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	490	AO: 500	4
Sulfides as S	mg/L	<0.02	AO: 0.05	0.02
Turbidity	NTU	0.5	MAC: 1	0.1
Color	TCU	<5	AO: 15	5
UV Absorbance	Abs	0.014	No Guideline	0.009
Ammonia Nitrogen	mg/L	<0.5	No Guideline	0.5
Total Organic Carbon	mg/L	2.8	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	<0.10	MAC: 1	0.10
Chlorite	mg/L	<0.10	MAC: 1	0.10

Sum of Cations	8.01	TDS / EC Ratio	0.61
Sum of Anions	8.14	Sodium Adsorption Ratio	4.89
Ion Balance	0.98	Saturation Index	0.04

WSH Labs (1992) Ltd.

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

Phone: (403) 250-9164 • Fax: (403) 291-4597 • www.wshlabs.com

Lab Number: 97389

Trace Metals	Units	Result	CDW Guideline Maximum	Detection Limit
Boron	µg/L	164	MAC: 5000	0.5
Aluminum	µg/L	<0.2	OG: 100, MAC: 2900	0.2
Chromium	µg/L	0.1	MAC: 50	0.1
Copper	µg/L	9.7	AO: 1000, MAC: 2000	0.08
Zinc	µg/L	1.8	AO: 5000	0.2
Arsenic	µg/L	0.1	MAC: 10	0.04
Selenium	µg/L	<0.04	MAC: 50	0.04
Strontium	µg/L	158	MAC: 7000	0.06
Silver	µg/L	<0.04	No Guideline	0.04
Cadmium	µg/L	<0.05	MAC: 7	0.05
Antimony	µg/L	<0.3	MAC: 6	0.3
Barium	µg/L	2.3	MAC: 2000	0.1
Mercury	µg/L	<0.05	MAC: 1	0.05
Lead	µg/L	<0.1	MAC: 5	0.1
Uranium	µg/L	1.4	MAC: 20	0.04

WSH Labs (1992) Ltd. as per: _____