



WSH Labs (1992) Ltd.

3851B - 21 Street N.E. • Calgary, Alberta, Canada • T2E 6T5
Phone: 403-250-9164 • Fax: 403-291-4597 • www.wshlabs.com

Corix Utilities Inc.

#2, 8515 - 48 St. SE
Calgary, AB T2C 2P8

Phone: (403) 273-8676

Fax: (403) 273-7382

Email:

Lab Number: 75382

PO Number:

Sample Info: Springate

Sampled By: Matt B

Date Sampled: 7/9/2014

Date Received: 7/9/2014

Date Reported: 7/30/2014

Analyte	Units	Result	Canadian Drinking Water Guideline Maximum
Calcium	mg/L	93.3	No Guideline
Iron	mg/L	<0.03	0.3
Magnesium	mg/L	42.2	No Guideline
Manganese	mg/L	<0.01	0.05
Potassium	mg/L	4.1	No Guideline
Sodium	mg/L	42	200
Bicarbonates	mg/L	441	No Guideline
Bromides	mg/L	<0.1	No Guideline
Carbonates	mg/L	0	No Guideline
Chlorides	mg/L	38.1	250
Fluorides	mg/L	0.14	1.5
Nitrates as N	mg/L	1.3	10
Nitrites as N	mg/L	<0.02	1
NO ₂ as N	mg/L	1.3	No Guideline
Sulfates	mg/L	83	500

Parameter	Units	Result	Canadian Drinking Water Guideline Maximum
Electrical Conductivity	µS/cm	900	No Guideline
pH	pH	7.94	6.5 - 8.5
Hardness (as CaCO ₃)	mg/L	407	No Guideline
Total Alkalinity (as CaCO ₃)	mg/L	362	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	521	500
Sulfides as S	mg/L	<0.03	0.05
Color	TCU	<5	15
Ammonia Nitrogen	mg/L	<0.9	No Guideline
Total Organic Carbon	mg/L	3.4	No Guideline
Bromate	mg/L	<0.010	0.01
Chloramines	mg/L	0.3	3
Chlorate	mg/L	<0.10	1
Chlorite	mg/L	<0.10	1

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

Sum of Cations	10.05	TDS / EC Ratio	0.58
Sum of Anions	10.15	Sodium Adsorption Ratio	0.90
Ion Balance	0.99	Saturation Index	1.00



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Trace Metals	Units	Result	Canadian Drinking Water Guideline Maximum
Boron	µg/L	40.5	5000
Aluminum	µg/L	13.6	100
Chromium	µg/L	0.5	50
Copper	µg/L	18.8	1000
Zinc	µg/L	6.1	5000
Arsenic	µg/L	0.2	10
Selenium	µg/L	1.1	10
Silver	µg/L	<0.04	No Guideline
Cadmium	µg/L	<0.05	5
Antimony	µg/L	<0.3	6
Barium	µg/L	39.0	1000
Magnesium	µg/L	<0.05	1
Lead	µg/L	0.6	10
Uranium	µg/L	2.9	20

WSH Labs (1992) Ltd. as per:

KBW

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.