

Town of Penhold

1001 Minto Street
Penhold, AB TOM 1R0

Phone: 403-886-4265

Lab Number: 78758

Fax: 403-886-4039

Email:

PO Number

Sample Info: 144 Lincoln Street
Treated

Sampled By: N McAteer

Date Sampled: 12/16/2015

Date Received: 12/16/2015

Date Reported: 2/23/2016

Analyte	Units	Result	Canadian Drinking Water Guideline Maximum
Calcium	mg/L	11.0	No Guideline
Iron	mg/L	0.12	0.3
Magnesium	mg/L	3.4	No Guideline
Manganese	mg/L	0.03	0.05
Potassium	mg/L	1.5	No Guideline
Sodium	mg/L	357	200
Bicarbonates	mg/L	673	No Guideline
Bromides	mg/L	<0.1	No Guideline
Carbonates	mg/L	0	No Guideline
Chlorides	mg/L	9.2	250
Fluorides	mg/L	0.44	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	219	500

Parameter	Units	Result	Canadian Drinking Water Guideline Maximum
Electrical Conductivity	µS/cm	1416	No Guideline
pH	pH	8.18	6.5 - 8.5
Hardness (as CaCO ₃)	mg/L	41	No Guideline
Total Alkalinity (as CaCO ₃)	mg/L	552	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	933	500
Sulfides as S	mg/L	<0.03	0.05
Color	TCU	<5	15
Turbidity	NTU	1.1	1
Ammonia Nitrogen	mg/L	1.7	No Guideline
Total Organic Carbon	mg/L	4.2	No Guideline
Cyanide	mg/L	<0.0020	0.2
Bromate	mg/L	<0.050	0.01
Chloramines	mg/L	0.3	3
U.V.Absorbance	ABS	0.063	No Guideline
Total Xylenes (o,m&p)	mg/L	<0.001	0.3

Sum of Cations	16.39	TDS / EC Ratio	0.66
Sum of Anions	15.88	Sodium Adsorption Ratio	24.11
Ion Balance	1.03	Saturation Index	0.43



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Trace Metals	Units	Result	Canadian Drinking Water Guideline Maximum
Boron	µg/L	228	5000
Aluminum	µg/L	3.1	100
Chromium	µg/L	0.4	50
Copper	µg/L	9.5	1000
Zinc	µg/L	8.4	5000
Arsenic	µg/L	4.5	10
Selenium	µg/L	0.1	10
Silver	µg/L	<0.04	No Guideline
Cadmium	µg/L	<0.05	5
Antimony	µg/L	<0.3	6
Barium	µg/L	24.2	1000
Mercury	µg/L	<0.05	1
Lead	µg/L	0.2	10
Uranium	µg/L	1.1	20

Trihalomethanes	Units	Result	Canadian Drinking Water Guideline Maximum
Trihalomethanes	mg/L	0.020	0.1
Chloroform	mg/L	0.011	No Guideline
Bromodichloromethane	mg/L	0.006	No Guideline
Dibromochloromethane	mg/L	0.003	No Guideline
Bromoform	mg/L	<0.001	No Guideline

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.