

CERTIFICATE OF ANALYSIS

RM of Kelsey
 Box 578, 264 Fisher Ave
 The Pas MB
 R9A 1K6

Customer ID: 4179
 Sampling Date: May 17, 2022
 Date Received: May 18, 2022
 Report Date: May 30, 2022

Email: mcote.kelsey@mymts.net

Sample Description	Sample Matrix:	Sample ID
Treatment Plant	Water	Mi2HL180522C1

Parameters	Results	Units
Arsenic	<0.001	mg/L
Barium	0.066	mg/L
Boron	0.292	mg/L
Calcium	38.468	mg/L
Chloride	109.00	mg/L
Conductivity (@ 25°C)	900	µS/cm
Fluoride	0.39	mg/L
Hardness	214.986	mgCaCO ₃ /L
Iron	0.124	mg/L
Magnesium	28.881	mg/L
Manganese	0.018	mg/L
Nitrate-Nitrogen	<0.23	mg/L
Nitrite-Nitrogen	<0.015	mg/L
pH	7.870	n/a
Potassium	9.149	mg/L
Sodium	84.435	mg/L
Sulfate	41.00	mg/L
Uranium	<0.001	mg/L
Zinc	0.001	mg/L

The test results reported relate only to the samples identified in the "Sample ID" section on this Certificate.

Issued by: Ken Kwiatkowski- Lab Director



Sample Description	Sample Matrix:	Sample ID
Treatment Plant	Water	Mi2HL180522C1

Test Method References:

SMoE stands for Standard Methods for the Examination of Water and Wastewater, 22nd Edition.

Test	Horizon Lab Procedure	Method of Reference	Detection Limit	QC Batch	Date of Analysis
Chloride	P052	Chloride, Mercuric Thiocyanate Method HACH 8113	0.1 mg/L	QC051922CI	May 19, 2022
Conductivity	P050	Conductivity Probe. HACH HQ40d	0.01 µS/cm	QC051922Cond	May 19, 2022
Fluoride	P086	Fluoride by USEPA SPANDNS Method HACH 10225	0.02 mg/L	QC051922F	May 19, 2022
Hardness	P083	Hardness, determined by calculation, according to the SMoE Section 2340B.	0.100mg/L	QCTMW052422IT	May 24, 2022
Nitrate-Nitrogen	P053	Nitrate- Nitrogen, Dimethylphenol Method HACH 10206	0.23 mg/L	QC051922NO ₃ N	May 19, 2022
Nitrite-Nitrogen	P054	Nitrite-Nitrogen, Diazotization Method HACH 10207	0.015mg/L	QC051922 NO ₂ N	May 19, 2022
pH	P059	pH. HACH HQ40d	Cal. pH 4-10	QC051922pH	May 19, 2022
Sulfates	P084	Sulfate Turbidmetric Method HACH 8051.	5.0 mg/L	QC052022SO ₄	May 20, 2022
Trace Metals	P078	Trace metals and elemental determination by Inductively Coupled Plasma-Mass Spectrometry. EPA 200.8 *Tracemetals, **Calcium, Magnesium, Iron, Potassium, Sodium,*** Mercury	*0.001 mg/L **0.100 mg/L ***0.0001mg/L	QCTMW052422IT	May 24, 2022
Sample Preservation	N/A	Samples preserved according to the SMoE Section 1060C	N/A	N/A	May 18, 2022

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