

REPORT TO:

AHS - North Zone (5)
Westlock Community Health Services

10024 - 107 Avenue
Westlock AB T7P 2E3

PRIVATE DRINKING WATER FROM:

REQN: T303793
LCTN: SW-26-061-27-W4, LOT 1 BLOCK/UNIT 1 PLAN
1622140
54.3005173, -113.9468589 Calculated

SOURCE: Well (Age: 1986 yrs, Depth: 100 ft)
COLL. BY:
NOTES: Routine.

SITE: Outside Hose Pipe/Standpipe

ROUTINE CHEMICAL ANALYSIS	Units	Result	Guideline	Comment	LOQ	Method
Bicarbonate	mg/L	556			NA	Titration
Calcium	mg/L	52.6			0.10	ICP/MS
Carbonate	mg/L	19.9			NA	Titration
Chloride	mg/L	6.4	≤ 250 AO		1.00	IC
Fluoride	mg/L	0.16	1.5 MAC		0.1	IC
Hydroxide	mg/L	0			NA	Titration
Iron	mg/L	5.5	≤ 0.1 AO	Above AO	0.01	ICP/MS
Magnesium	mg/L	15.5			0.10	ICP/MS
Nitrate (N)	mg/L	0.42	10 MAC		0.23	IC
Nitrite (N)	mg/L	1.5	1 MAC	Above MAC	0.03	IC
Potassium	mg/L	3.0			0.10	ICP/MS
Sodium	mg/L	178	≤ 200 AO		1.00	ICP/MS
Sulfate	mg/L	29.6	≤ 500 AO		1.00	IC
Total Alkalinity (CaCO ₃)	mg/L	489			NA	Titration
Total Dissolved Solids (Calc)	mg/L	580	≤ 500 AO	Above AO	NA	Calculated
Total Hardness (CaCO ₃) (Calc)	mg/L	195			NA	Calculated
pH		8.6	7.0 - 10.5		NA	pH Meter
Conductivity	µS/cm	938			NA	Conductivity
Anion Sum	mEq/L	10.7			NA	Calculated
Cation Sum	mEq/L	11.9			NA	Calculated
Ion Balance (Cation/Anion)	%	111			NA	Calculated
Ion Balance (% Difference)	%	5.2			NA	Calculated

Results reported relate only to the sample as received and tested by the Alberta Centre For Toxicology. Values less than LOQ are reported as ND.

Test results are from CALA accredited methods.

Where applicable, unless otherwise noted, Measurement Uncertainty has not been accounted for when stating conformity to the Canadian Drinking Water Guidelines.

pH holding time (15 min) was not met.

Nitrite/Nitrate holding time (72 hours) and/or storage conditions (≤ 6°C) were not met. If recollection is required, Public Health Inspector should contact ACFT for instructions.

Collected: Aug 28, 2026 07:20 AM
Received: Sep 09, 2026
Batch: B007511
Certified: Sep 24, 2026 02:30:16 PM
Reported: Sep 24, 2026 02:32:27 PM

LOQ = Limit of Quantitation
NA = Not Applicable
ND = Not Detected
AO = Aesthetic Objective
MAC = Maximum Acceptable Concentration
Guideline = Canadian Drinking Water

Certified By: Elham Zeini Jahromi

For: David W. Kinniburgh, PhD, FCACB
Director, Alberta Centre For Toxicology

Elham Zeini Jahromi

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NOTES: Routine.

SITE: Outside Hose Pipe/Standpipe

TOTAL TRACE METALS ANALYSIS	Units	Result	Guideline	Comment	LOQ	Method
Aluminum	mg/L	ND	2.9 MAC		0.005	ICP/MS
Antimony	mg/L	ND	0.006 MAC		0.001	ICP/MS
Arsenic	mg/L	0.007	0.010 MAC		0.001	ICP/MS
Barium	mg/L	0.130	2.0 MAC		0.001	ICP/MS
Beryllium	mg/L	ND			0.001	ICP/MS
Boron	mg/L	0.092	5 MAC		0.05	ICP/MS
Cadmium	mg/L	ND	0.007 MAC		0.001	ICP/MS
Chromium	mg/L	ND	0.05 MAC		0.001	ICP/MS
Cobalt	mg/L	ND			0.001	ICP/MS
Copper	mg/L	0.001	2 MAC, 1 AO		0.001	ICP/MS
Lead	mg/L	ND	0.005 MAC		0.0001	ICP/MS
Manganese	mg/L	0.089	0.12 MAC, ≤ 0.02 AO	Above AO	0.001	ICP/MS
Mercury	mg/L	ND	0.001 MAC		0.00005	ICP/MS
Molybdenum	mg/L	0.003			0.001	ICP/MS
Nickel	mg/L	ND			0.001	ICP/MS
Selenium	mg/L	ND	0.05 MAC		0.001	ICP/MS
Silver	mg/L	ND			0.001	ICP/MS
Strontium	mg/L	0.547	7.0 MAC		0.001	ICP/MS
Thallium	mg/L	ND			0.001	ICP/MS
Titanium	mg/L	0.002			0.001	ICP/MS
Uranium	mg/L	ND	0.02 MAC		0.001	ICP/MS
Vanadium	mg/L	ND			0.001	ICP/MS
Zinc	mg/L	0.005	≤ 5.0 AO		0.001	ICP/MS

Results reported relate only to the sample as received and tested by the Alberta Centre For Toxicology. Values less than LOQ are reported as ND.
Test results are from CALA accredited methods, except for mercury screening.

Where applicable, unless otherwise noted, Measurement Uncertainty has not been accounted for when stating conformity to the Canadian Drinking Water Guidelines.

Mercury result is for screening only. Public Health Inspector should contact ACFT if confirmation is required.

Preservation: Sample was acidified within 14 days of collection time.

Collected:	Aug 28, 2026 07:20 AM	LOQ = Limit of Quantitation
Received:	Sep 09, 2026	NA = Not Applicable
Batch:	B007512	ND = Not Detected
Certified:	Sep 24, 2026 02:30:47 PM	AO = Aesthetic Objective
Reported:	Sep 24, 2026 02:32:27 PM	MAC = Maximum Acceptable Concentration
		Guideline = Canadian Drinking Water

Certified By: Elham Zeini Jahromi

For: David W. Kinniburgh, PhD, FCACB
Director, Alberta Centre For Toxicology

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