

Well 3 Water Quality 2024

Water System: Greater Vernon Water
Source: Groundwater

Sampling Point: Coldstream Ranch Well 3
Date of Sample: August 1, 2024

Parameter	Result	Guideline	Unit
1,1,1-TRICHLOROETHANE	<1.0	MAC = 5	µg/L
1,1,2,2-TETRACHLOROETHANE	<0.5	N/A	µg/L
1,1,2-TRICHLOROETHANE	<1.0	N/A	µg/L
1,1-DICHLOROETHANE	<1.0	MAC = 5	µg/L
1,1-DICHLOROETHYLENE	<1.0	N/A	µg/L
1,2-DIBROMOETHANE	<0.3	N/A	µg/L
1,2-DICHLOROBENZENE	<0.5	N/A	µg/L
1,2-DICHLOROETHANE	<1.0	N/A	µg/L
1,2-DICHLOROPROPANE	<1.0	N/A	µg/L
1,3-DICHLOROBENZENE	<1.0	N/A	µg/L
1,3-DICHLOROPROPENE	<1.0	N/A	µg/L
1,4-DICHLOROBENZENE	<1.0	MAC = 5	µg/L
1-METHYLNAPHTHALENE	<0.1	N/A	µg/L
2,4,5-TRICHLOROPHENOXYACETIC ACID	<0.1	N/A	µg/L
2,4-DB	<0.1	N/A	µg/L
2,4-DICHLOROPHENOXYACETIC ACID	<0.1	MAC = 100	µg/L
2-CHLORONAPHTHALENE	<0.1	N/A	µg/L
2-METHYL-4-CHLOROPHENOXYACETIC ACID	<0.02	MAC = 350	µg/L
2-METHYLNAPHTHALENE	<0.1	N/A	µg/L
ACENAPHTHENE	<0.05	N/A	µg/L
ACENAPHTHYLENE	<0.2	N/A	µg/L
ACIFLUORFEN	<0.1	N/A	µg/L
ACRIDINE	<0.05	N/A	µg/L
ALACHLOR	<0.1	N/A	µg/L
ALDRIN	<0.006	N/A	µg/L
ALKALINITY (BICARBONATE, AS CaCO3)	245	N/A	mg/L
ALKALINITY (CARBONATE, AS CaCO3)	<1.0	N/A	mg/L
ALKALINITY (HYDROXIDE, AS CaCO3)	<1.0	N/A	mg/L
ALKALINITY (PHENOLPHTHALEIN, AS CaCO3)	<1.0	N/A	mg/L
ALKALINITY (TOTAL, AS CaCO3)	245	N/A	mg/L
ALPHA-BHC	<0.01	N/A	µg/L
ALUMINUM (TOTAL)	<0.005	OG < 0.1, MAC = 2.9	mg/L
ANTHRACENE	<0.01	N/A	µg/L
ANTIMONY (TOTAL)	<0.0002	MAC = 0.006	mg/L
ARSENIC (TOTAL)	0.0016	MAC = 0.01	mg/L
ATRAZINE + N-DEALKYLATED METABOLITES	<0.1	N/A	µg/L
AZINPHOS-METHYL	<0.2	N/A	µg/L
BARIUM (TOTAL)	0.0477	MAC = 2	mg/L
BENTAZON	<0.1	N/A	µg/L
BENZENE	<0.5	MAC = 5	µg/L
BENZO(A)ANTHRACENE	<0.01	N/A	µg/L
BENZO(A)PYRENE	<0.01	MAC = 0.04	µg/L
BENZO(B,J)FLUORANTHENE	<0.05	N/A	µg/L
BENZO(G,H,I)PERYLENE	<0.05	N/A	µg/L
BENZO(K)FLUORANTHENE	<0.05	N/A	µg/L

BETA-BHC	<0.05	N/A	µg/L
BORON (TOTAL)	<0.05	MAC = 5	mg/L
BROMACIL	<0.1	N/A	µg/L
BROMODICHLOROMETHANE	<1.0	N/A	µg/L
BROMOFORM	<1.0	N/A	µg/L
BROMOXYNIL	<0.2	MAC = 30	µg/L
BUTACHLOR	<0.02	N/A	µg/L
CADMIUM (TOTAL)	0.000015	MAC = 0.007	mg/L
CALCIUM (TOTAL)	114	N/A	mg/L
CAPTAN	<0.1	N/A	µg/L
CARBON TETRACHLORIDE	<0.5	MAC = 2	µg/L
CHLORAMBEN	<0.1	N/A	µg/L
CHLORDANE (CIS + TRANS)	<0.05	N/A	µg/L
CHLORIDE	14.5	AO ≤ 250	mg/L
CHLOROBENZENE	<1.0	N/A	µg/L
CHLOROETHANE	<2.0	N/A	µg/L
CHLOROFORM	<1.0	N/A	µg/L
CHLOROTHALONIL	<0.05	N/A	µg/L
CHLORPYRIFOS	<0.01	MAC = 90	µg/L
CHROMIUM (TOTAL)	0.00087	MAC = 0.05	mg/L
CHRYSENE	<0.05	N/A	µg/L
CIS-1,2-DICHLOROETHYLENE	<1.0	N/A	µg/L
CLOPYRALID	<0.1	N/A	µg/L
COBALT (TOTAL)	0.00032	N/A	mg/L
COLOUR (TRUE)	<5.0	AO ≤ 15	TCU
CONDUCTIVITY	817	N/A	µS/cm
COPPER (TOTAL)	<0.0004	MAC = 2	mg/L
CYANAZINE	<0.1	N/A	µg/L
CYANIDE (TOTAL)	<0.002	MAC = 0.2	mg/L
DDT (TOTAL)	<0.01	N/A	µg/L
DELTA-BHC	<0.05	N/A	µg/L
DELTAMETHRIN	<0.1	N/A	µg/L
DIAZINON	<0.02	N/A	µg/L
DIBENZO(A,H)ANTHRACENE	<0.01	N/A	µg/L
DIBROMOCHLOROMETHANE	<1.0	N/A	µg/L
DIBROMOMETHANE	<1.0	N/A	µg/L
DICAMBA	<0.1	MAC = 110	µg/L
DICHLOROMETHANE	<3.0	MAC = 50	µg/L
DICHLORPROP (2,4-DP)	<0.1	N/A	µg/L
DICHLORVOS	<0.1	N/A	µg/L
DICLOFOP-METHYL	<0.1	N/A	µg/L
DIELDRIN	<0.01	N/A	µg/L
DIMETHOATE	<0.2	MAC = 20	µg/L
DINOSEB	<0.1	N/A	µg/L
DISULFOTON	<0.1	N/A	µg/L
DIURON	<0.2	N/A	µg/L
ENDOSULFAN (TOTAL)	<0.01	N/A	µg/L
ENDOSULFAN SULFATE	<0.05	N/A	µg/L
ENDRIN ALDEHYDE	<0.02	N/A	µg/L
ENDRIN KETONE	<0.02	N/A	µg/L

ENDRIN	<0.02	N/A	µg/L
ETHYLBENZENE	<1.0	AO = 1.6	µg/L
EXTRACTABLE PETROLEUM HYDROCARBONS C10-C19	<250.0	N/A	µg/L
EXTRACTABLE PETROLEUM HYDROCARBONS C19-C32	<250.0	N/A	µg/L
FENCHLORPHOS	<0.1	N/A	µg/L
FENOPROP	<0.1	N/A	µg/L
FLUORANTHENE	<0.03	N/A	µg/L
FLUORENE	<0.05	N/A	µg/L
FLUORIDE	0.23	MAC = 1.5	mg/L
GAMMA-BHC	<0.05	N/A	µg/L
HARDNESS (TOTAL, AS CaCO ₃)	398	N/A	mg/L
HEPH	<250.0	N/A	µg/L
HEPTACHLOR EPOXIDE	<0.01	N/A	µg/L
HEPTACHLOR	<0.01	N/A	µg/L
INDENO(1,2,3-C,D)PYRENE	<0.05	N/A	µg/L
IRON (TOTAL)	0.028	AO ≤ 0.3	mg/L
LANGELIER INDEX	0.6	N/A	-
LEAD (TOTAL)	<0.0002	MAC = 0.005	mg/L
LEPH	<250.0	N/A	µg/L
LINURON	<0.05	N/A	µg/L
MAGNESIUM (TOTAL)	27.2	N/A	mg/L
MALATHION	<0.1	MAC = 290	µg/L
MANGANESE (TOTAL)	0.224	MAC = 0.12	mg/L
MCPB	<0.1	N/A	µg/L
MCPP	<0.1	N/A	µg/L
MERCURY (TOTAL)	<0.00001	MAC = 0.001	mg/L
METHOXYCHLOR	<0.05	N/A	µg/L
METHYL PARATHION	<0.1	N/A	µg/L
METHYL TERT-BUTYL ETHER	<1.0	AO = ≤ 15	µg/L
METOLACHLOR	<0.1	N/A	µg/L
METRIBUZIN	<0.2	MAC = 80	µg/L
MOLYBDENUM (TOTAL)	0.00817	N/A	mg/L
NAPHTHALENE	<0.2	N/A	µg/L
NICKEL (TOTAL)	0.00206	N/A	mg/L
NITRATE	0.268	MAC = 10	mg N/L
NITRITE	0.032	MAC = 1	mg N/L
PARATHION	<0.1	N/A	µg/L
PENTACHLORONITROBENZENE	<0.1	N/A	µg/L
PERMETHRIN	<0.01	N/A	µg/L
PHENANTHRENE	<0.1	N/A	µg/L
PHORATE	<0.1	N/A	µg/L
PH	7.73	OG = 7.0-10.5	pH units
PICLORAM	<0.1	N/A	µg/L
POTASSIUM (TOTAL)	9	N/A	mg/L
PROMETON	<0.3	N/A	µg/L
PROMETRYNE	<0.1	N/A	µg/L
PYRENE	<0.02	N/A	µg/L
QUINOLINE	<0.05	N/A	µg/L
SELENIUM (TOTAL)	0.00093	MAC = 0.05	mg/L
SIMAZINE	<0.2	N/A	µg/L

SODIUM (TOTAL)	21.8	AO ≤ 200	mg/L
STRONTIUM (TOTAL)	0.915	MAC = 7	mg/L
STYRENE	<1.0	N/A	µg/L
SULFOTEP	<0.1	N/A	µg/L
SULPHATE	171	AO ≤ 500	mg/L
TEBUTHIURON	<0.2	N/A	µg/L
TEMEPHOS	<0.5	N/A	µg/L
TEMPERATURE, AT PH	22.9	N/A	°C
TERBUFOS	<0.1	N/A	µg/L
TETRACHLOROETHYLENE	<1.0	MAC = 10	µg/L
TOLUENE	<1.0	AO = 24	µg/L
TOTAL DISSOLVED SOLIDS (COMPUTED)	508	AO ≤ 500	mg/L
TRANS-1,2-DICHLOROETHYLENE	<1.0	N/A	µg/L
TRIALATE	<0.1	N/A	µg/L
TRICHLOROETHYLENE	<1.0	MAC = 5	µg/L
TRICHLOROFLUOROMETHANE	<1.0	N/A	µg/L
TRICLOPYR	<0.1	N/A	µg/L
TRIFLURALIN	<0.2	N/A	µg/L
TURBIDITY	0.16	OG < 1	NTU
URANIUM (TOTAL)	0.00756	MAC = 0.02	mg/L
VINYL CHLORIDE	<1.0	MAC = 2	µg/L
XYLENES (TOTAL)	<2.0	AO = 20	µg/L
ZINC (TOTAL)	<0.004	AO ≤ 5	mg/L

"<" = Less than the detection limit shown

N/A = No current guideline

OG = Operational Guideline

MAC = Maximum Acceptable Concentration Guideline

AO = Aesthetic Objective Guideline

Guidelines are for treated drinking water - these samples are untreated water