

ENVIRONMENTAL LABORATORY CITY OF AMARILLO, TEXAS

The following information pertains to waters received, treated, and delivered by the Osage Water Treatment Plant.

Time Interval: 3/23 - 2/24 (12 months)

Each entry is an average of 12 numbers taken from 12 weekly analysis sheets. Normally one weekly analysis, which is most representative, is sent to City Hall each month. 52 weekly analyses are conducted each year.

All parameters given as parts per million (mg/L) except items 27, 28, 29 & 30.

PARAMETER	<u>RAW WATER</u> CRMWA SUPPLY	<u>FILTERED WATER</u> TAKEN THROUGH PLANT TREATMENT PROCESS	<u>WELL WATER</u> CARSON COUNTY / POTTER WELL	<u>FINISHED WATER</u> BLENDED DRINKING WATER WHICH CONTAINS FILTERED & WELL WATERS
1) Total Hardness (as CaCO ₃)	258	256	171	238
2) Calcium (as Ca)	54.5322	54.1879	37.1041	50.5349
3) Magnesium (as Mg)	29.5418	29.3478	19.1074	27.1019
4) Aluminum (as Al)	0.0010	0.1095	0.0000	0.1095
5) Iron (as Fe)	0.0025	0.0011	0.0010	0.0007
6) Sodium (as Na)	219.9969	217.4857	21.9448	174.2386
7) Potassium (as K)	7.7526	7.6815	4.4561	7.0846
8) Manganese (as Mn)	0.0000	0.0000	0.0000	0.0000
9) Copper (as Cu)	0.0241	0.0031	0.0001	0.0004
10) Zinc (as Zn)	0.0280	0.0283	0.0237	0.0273
11) Lead (as Pb)	0.0000	0.0000	0.0000	0.0000
12) Fluoride (as F)	0.637	0.636	1.007	0.711
13) Chloride (as Cl)	296.969	296.189	7.448	233.759
14) Bromide (as Br)	0.143	0.000	0.001	0.000
15) Nitrate (as N)	1.056	0.977	1.467	1.108
16) Phosphorus (as P)	0.000	0.000	0.000	0.000
17) Sulfate (as SO ₄)	142.400	145.084	13.211	112.619
18) Ammonia (as NH ₃ -N)	0.00	0.00	0.00	0.00
19) Silica (as SiO ₂)	21.5	19.3	27.1	21.2
20) Cyanide (as Cn)	0.00	0.00	0.00	0.00
21) Total Dissolved Solids	892	885	233	721
22) Total Alkalinity (as CaCO ₃)	192.8	185.5	184.7	185.1
23) P. Alkalinity (as CaCO ₃)	0.2	0.0	0.0	0.0
24) Dissolved Oxygen	6.52	8.37	8.43	8.36
25) Total Carbon (as C)	45.5702	44.5507	43.5758	44.1585
26) Total Organic Carbon (as C)	0.6166	0.6715	0.1666	0.6377
27) Specific Conductance (micromhos)	1400	1404	358	1159
28) Turbidity (as NTU)	0.50	0.08	0.06	0.06
29) pH	8.16	7.86	7.62	7.73
30) Temperature °F	65	67	66	66