

ENVIRONMENTAL LABORATORY CITY OF AMARILLO, TEXAS

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

Time Interval: 3-20 - 2-21 (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)	247	245	164	229
2) Calcium (as Ca)	50.8804	50.8491	34.7217	47.7363
3) Magnesium (as Mg)	28.4965	28.6158	18.9231	26.6287
4) Aluminum (as Al)	0.0007	0.1575	0.0000	0.1346
5) Iron (as Fe)	0.0027	0.0017	0.0018	0.0014
6) Sodium (as Na)	203.1417	203.4158	22.1467	168.3470
7) Potassium (as K)	7.4333	7.5016	4.5430	6.9620
8) Manganese (as Mn)	0.0000	0.0000	0.0000	0.0000
9) Copper (as Cu)	0.0278	0.0020	0.0009	0.0004
10) Zinc (as Zn)	0.0244	0.0243	0.0212	0.0235
11) Lead (as Pb)	0.0001	0.0001	0.0001	0.0001
12) Fluoride (as F)	0.611	0.617	1.119	0.681
13) Chloride (as Cl)	278.467	279.327	6.648	225.628
14) Bromide (as Br)	0.135	0.008	0.012	0.004
15) Nitrate (as N)	1.024	0.976	1.426	1.090
16) Phosphorus (as P)	0.000	0.000	0.000	0.000
17) Sulfate (as SO ₄)	135.947	138.564	12.587	110.992
18) Ammonia (as NH ₃ -N)	0.01	0.00	0.00	0.00
19) Silica (as SiO ₂)	21.1	19.5	27.5	21.3
20) Cyanide (as Cn)	0.00	0.00	0.00	0.00
21) Total Dissolved Solids	851	854	246	725
22) Total Alkalinity (as CaCO ₃)	186.3	181.2	187.8	180.7
23) P. Alkalinity (as CaCO ₃)	0.2	0.0	0.0	0.0
24) Dissolved Oxygen	7.80	10.56	8.71	9.73
25) Total Carbon (as C)	46.660	45.857	46.415	45.954
26) Total Organic Carbon (as C)	0.851	0.964	0.321	0.899
27) Specific Conductance (micromhos)	1424	1409	387	1193
28) Turbidity (as NTU)	0.26	0.44	0.06	0.10
29) pH	8.19	7.95	7.67	7.79
30) Temperature °F	65	65	66	66