

ENVIRONMENTAL LABORATORY CITY OF AMARILLO, TEXAS

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

Time Interval: 03/16 - 02/17 (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)	261	259	182	247
2) Calcium (as Ca)	56.5313	56.0228	37.9590	53.2610
3) Magnesium (as Mg)	29.0099	28.7885	21.0519	27.5784
4) Aluminum (as Al)	0.0011	0.1692	0.0004	0.1013
5) Iron (as Fe)	0.0023	0.0035	0.0011	0.0004
6) Sodium (as Na)	179.4971	176.1753	25.7593	154.0920
7) Potassium (as K)	7.2282	7.1419	5.1719	6.8493
8) Manganese (as Mn)	0.0001	0.0001	0.0000	0.0000
9) Copper (as Cu)	0.0524	0.0063	0.0011	0.0005
10) Zinc (as Zn)	0.0196	0.0131	0.0124	0.0107
11) Lead (as Pb)	0.0005	0.0005	0.0001	0.0003
12) Fluoride (as F)	0.620	0.641	1.116	0.696
13) Chloride (as Cl)	246.306	244.185	7.523	207.973
14) Bromide (as Br)	0.121	0.021	0.013	0.005
15) Nitrate (as N)	1.344	1.179	1.558	1.293
16) Phosphorus (as P)	0.000	0.000	0.000	0.000
17) Sulfate (as SO ₄)	108.548	109.494	13.543	92.732
18) Ammonia (as NH ₃ -N)	0.00	0.00	0.00	0.00
19) Silica (as SiO ₂)	22.5	20.8	28.6	22.0
20) Cyanide (as Cn)	0.00	0.00	0.00	0.00
21) Total Dissolved Solids	770	764	261	681
22) Total Alkalinity (as CaCO ₃)	188.1	182.5	198.3	177.6
23) P. Alkalinity (as CaCO ₃)	0.9	0.0	0.0	0.0
24) Dissolved Oxygen	7.60	9.39	7.78	8.74
25) Total Carbon (as C)	45.861	45.089	45.824	44.377
26) Total Organic Carbon (as C)	1.154	1.372	0.295	1.193
27) Specific Conductance (micromhos)	1335	1321	428	1177
28) Turbidity (as NTU)	0.36	0.13	0.07	0.07
29) pH	8.24	7.96	7.65	7.83
30) Temperature °F	65	66	66	66