

ENVIRONMENTAL LABORATORY CITY OF AMARILLO, TEXAS

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

Time Interval: 3/19 - 2/20 (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)	250	249	175	238
2) Calcium (as Ca)	52.6174	52.5034	36.9896	50.2945
3) Magnesium (as Mg)	28.6659	28.6183	20.0038	27.3453
4) Aluminum (as Al)	0.0017	0.1426	0.0000	0.1314
5) Iron (as Fe)	0.0042	0.0021	0.0016	0.0015
6) Sodium (as Na)	193.8243	191.9428	24.3823	168.7695
7) Potassium (as K)	7.5811	7.5624	4.5524	7.1771
8) Manganese (as Mn)	0.0000	0.0000	0.0000	0.0000
9) Copper (as Cu)	0.0467	0.0068	0.0012	0.0004
10) Zinc (as Zn)	0.0142	0.0157	0.0135	0.0137
11) Lead (as Pb)	0.0004	0.0003	0.0004	0.0003
12) Fluoride (as F)	0.580	0.599	1.074	0.649
13) Chloride (as Cl)	261.192	260.169	6.884	225.072
14) Bromide (as Br)	0.116	0.004	0.017	0.002
15) Nitrate (as N)	0.998	0.973	1.488	1.063
16) Phosphorus (as P)	0.000	0.000	0.000	0.000
17) Sulfate (as SO ₄)	124.597	125.119	13.325	107.795
18) Ammonia (as NH ₃ -N)	0.01	0.00	0.00	0.00
19) Silica (as SiO ₂)	20.9	19.4	28.6	20.6
20) Cyanide (as Cn)	0.00	0.00	0.00	0.00
21) Total Dissolved Solids	808	806	259	723
22) Total Alkalinity (as CaCO ₃)	188.0	182.1	194.3	182.6
23) P. Alkalinity (as CaCO ₃)	0.5	0.0	0.0	0.0
24) Dissolved Oxygen	7.60	9.91	7.81	8.87
25) Total Carbon (as C)	44.080	43.050	43.623	42.847
26) Total Organic Carbon (as C)	1.374	1.573	0.086	1.386
27) Specific Conductance (micromhos)	1470	1457	444	1300
28) Turbidity (as NTU)	0.35	0.10	0.05	0.08
29) pH	8.22	7.95	7.65	7.82
30) Temperature °F	63	64	64	66