



# Monthly Mineral Analyses

Date of Sample: October 18, 2022

2726 Holly Road  
 Corpus Christi Tx  
 78415  
 Phone 361-826-1800  
 Fax 361-826-1889  
 www.cctexas.com

Parameter	Choke Canyon	Lake CC	Stevens Intake	Mary Rhodes Pipeline	Colorado River	Stevens Treated	Distribution System Equivalent
Aluminum	0.348	0.893	0.671	0.586	0.255	0.151	0.152
Sodium	104	70.5	132	71.3	64.7	113	108
Iron	0.226	0.59	0.464	0.400	0.285	0.0246	0.0226
Manganese	0.021	0.024	0.028	0.181	0.127	0.00187	0.00274
Copper	<0.002	<0.002	0.00219	0.00265	<0.0036	0.004	<0.002
Lead	<0.0005	<0.0005	<0.0005	<0.0005	<0.003	<0.0005	<0.0005
Bromide	0.72	0.50	0.91	0.22	0.55	0.45	0.44
Conductivity	786	735	1165	491	716	955	935
Total Alkalinity	148	183	190	135	155	163	177
Calcium	56	80	101	58	46	106	117
Chloride	117	92	204	52	81	140	138
Fluoride	0.16	0.14	0.13	0.36	0.61	0.32	0.33
Total Hardness	152	204	280	164	204	220	232
pH	8.32	8.34	8.14	7.98	8.15	8.18	8.19
Silica, Dissolved	11.9	14.2	13.1	6.61	3.50	21.0	20.8
Sulfate	58	52	82	34	60	94	93
Turbidity	8.3	19	13	20	11	0.07	0.06
Dissolved Solids	472	484	698	296	384	528	552
Suspended Solids	10	102	98	12	15	<2	<2
Nitrate	<0.025	<0.025	0.24	0.39	<0.207	0.29	0.29
Nitrite	<0.025	<0.025	<0.025	<0.025	<0.0922	<0.025	<0.025
Ortho-Phosphate	<0.05	0.22	0.23	0.12	0.09	<0.05	<0.05
Atrazine	<2.5	<2.5	<2.5	<2.5	<0.23		
Total Arsenic	9.21	10.4	11.4	5.7	17.3		
Dissolved Arsenic	8.13	9.62	11.1	3.4	<6.45		
Barium	0.108	0.135	0.166	0.133	0.122		
Cadmium	<0.001	<0.001	<0.001	<0.001	0.0004		
Mercury	<0.0002	<0.0002	<0.0002	<0.0002	<0.0001		

Results expressed in mg/L, except as follows: Conductivity—umhos/cm, pH— SU, Turbidity – NTU, Total Hardness/Total Alkalinity – mg/L as CaCO3, and Atrazine, Total Arsenic, Dissolved Arsenic – µg/L.

\*Data for dissolved silica for Nueces Raw is not available this month.

Reviewed by:  Title: Quality Assurance Officer Date: 11/22/2022