



City of  
Corpus  
Christi

**UTILITIES**

Maintenance  
of Lines  
&  
Treatment  
2726 Holly Road  
Corpus Christi  
Texas 78415  
Phone 361-826-1800  
Fax 361-826-1889

Gas  
4225 S. Port Ave.  
Corpus Christi  
Texas 78415  
Phone 361-885-6900  
Fax 361-853-3200

**Monthly Mineral Analyses**

Date of Sample: February 13, 2018

Parameter	Choke Canyon	Lake CC	Stevens Intake	Mary Rhodes Pipeline
Aluminum	0.166	0.223	1.89	0.746
Sodium	108	60.1	186	47
Iron	0.104	0.148	1.26	0.609
Manganese	0.009	0.012	0.296	0.051
Copper	< 0.002	<0.002	0.006	0.004
Lead	< 0.002	< 0.002	< 0.002	< 0.002
Bromide	0.34	0.34	0.31	0.30
Conductivity	119	656	1469	772
Total Alkalinity	161	194	223	241
Calcium	95	70	240	101
Chloride	147	71	299	48
Fluoride	0.43	0.45	0.40	0.35
Total Hardness	216	260	360	340
pH	8.33	8.41	7.92	8.23
Silica, Dissolved*	26.5	33.2	38.9	7.3
Sulfate	65	34	92	63
Turbidity	8.1	21	115	24
Dissolved Solids	529	359	948	479
Suspended Solids	13	40	75	17
Nitrate	2.7	2.7	1.34	0.60
Nitrite	< 0.02	< 0.02	< 0.02	< 0.02
Ortho Phosphorous	< 0.03	< 0.03	< 0.03	< 0.03
Atrazine	<0.05	<0.05	<0.05	0.06
Total Arsenic	8.89	7.97	12.3	2.48
Dissolved Arsenic	8.03	7.45	9.62	< 2.0
Barium	0.112	0.133	0.184	0.160
Cadmium	< 0.001	< 0.001	< 0.001	< 0.001
Mercury	< 0.0002	< 0.0002	< 0.0002	< 0.0002

Results expressed in mg/L, except as follows: Conductivity – umhos/cm, pH – SU, Turbidity – NTU, and Atrazine, Total Arsenic, Dissolved Arsenic – µg/L, Total Hardness/Total Alkalinity – mg/L as CaCO<sub>3</sub>

Approved by: Marisa Juarez *MJ* Title: Laboratory Manager Date: 2/28/18



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**Monthly Mineral Analyses**

Date of Sample February 13, 2018

Parameter	Stevens Treated (Plant #1)	Stevens Treated (Plant #2)	Distribution System Equivalent
Aluminum	0.155	0.154	0.155
Sodium	127	125	119
Iron	< 0.02	< 0.02	< 0.02
Manganese	< 0.002	< 0.002	< 0.002
Copper	< 0.002	< 0.002	< 0.002
Lead	< 0.002	< 0.002	< 0.002
Bromide	0.33	0.35	0.32
Conductivity	1167	1246	1161
Total Alkalinity	230	229	217
Calcium	117	130	107
Chloride	154	172	157
Fluoride	0.47	0.42	0.41
Total Hardness	368	376	372
pH	8.24	8.11	8.09
Silica, Dissolved*	14.2	14.8	13.2
Sulfate	104	121	115
Turbidity	0.15	0.25	0.10
Dissolved Solids	748	761	778
Suspended Solids	< 2	< 2	< 2
Nitrate	2.7	2.0	2.0
Nitrite	< 0.02	< 0.02	< 0.02
Ortho Phosphorous	< 0.03	< 0.03	< 0.03

Results expressed in mg/L, except as follows: Conductivity – umhos/cm, pH – SU, and Turbidity – NTU.

Approved by: Marisa Juarez  Title: Laboratory Manager Date: 2/28/18