



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: April 17, 2018

Parameter	Choke Canyon	Lake CC	Stevens Intake	Mary Rhodes Pipeline
Aluminum	0.23	0.97	1.18	2.19
Sodium	110	63.9	105	8.27
Iron	0.11	0.56	0.64	1.22
Manganese	0.017	0.019	0.029	0.033
Copper	< 0.002	0.002	0.003	0.003
Lead	< 0.002	< 0.002	< 0.002	< 0.002
Bromide	0.90	0.34	0.94	0.06
Conductivity	1046	766	1113	208
Total Alkalinity	168	199	204	80
Calcium	66	78	96	34
Chloride	173	86	183	14
Fluoride	0.27	0.23	0.23	0.18
Total Hardness	204	260	264	88
pH	8.72	8.56	8.18	8.21
Silica, Dissolved*	26.5	29.3	31.9	23.1
Sulfate	73	38	63	4.3
Turbidity	9.8	22	17	40
Dissolved Solids	571	450	642	172
Suspended Solids	13	24	10	11
Nitrate	0.08	0.15	0.34	0.19
Nitrite	< 0.02	< 0.02	< 0.02	< 0.02
Ortho Phosphorous	< 0.03	0.27	0.29	0.13
Atrazine	< 0.05	< 0.05	< 0.05	< 0.05
Total Arsenic	9.53	9.46	9.35	2.27
Dissolved Arsenic	8.96	9.47	9.12	2.21
Barium	0.136	0.166	0.153	0.101
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>

Reviewed by:  Title: Quality Assurance Officer Date: 5-7-18

Approved by:  Title: Laboratory Manager Date: 5/7/18



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 April 17, 2018

Parameter	Stevens Treated (Plant #1)	Stevens Treated (Plant #2)	Distribution System Equivalent
Aluminum	0.20	0.16	0.17
Sodium	82.1	80.8	89.2
Iron	< 0.02	< 0.02	< 0.02
Manganese	< 0.002	< 0.002	< 0.002
Copper	0.003	< 0.002	0.008
Lead	< 0.002	< 0.002	< 0.002
Bromide	0.38	0.38	0.36
Conductivity	874	880	868
Total Alkalinity	153	151	154
Calcium	69	66	67
Chloride	123	123	121
Fluoride	0.20	0.20	0.18
Total Hardness	196	200	200
pH	8.33	8.36	8.23
Silica, Dissolved*	18.4	20.3	18.1
Sulfate	79	82	78
Turbidity	0.20	0.15	0.10
Dissolved Solids	471	471	485
Suspended Solids	< 2	< 2	< 2
Nitrate	0.30	0.30	0.31
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.

Reviewed by:  Title: Quality Assurance Officer Date: 5-7-18

Approved by:  Title: Laboratory Manager Date: 5/7/18