



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: November 8, 2016

Parameter	Choke Canyon	Lake CC	Stevens Intake	Lake Texana
Aluminum	0.30	0.62	1.22	2.01
Sodium	78.6	50.0	129	9.47
Iron	0.19	0.39	0.79	1.47
Manganese	0.0183	0.0386	0.0631	0.0200
Copper	0.0023	< 0.002	< 0.002	0.0028
Lead	< 0.002	< 0.002	< 0.002	< 0.002
Bromide	0.64	0.36	0.78	0.08
Conductivity	739	648	1239	201
Total Alkalinity	140	188	199	72
Calcium	82	75	130	26
Chloride	117	70	238	15.2
Fluoride	0.17	0.16	0.18	0.12
Total Hardness	164	180	296	72
pH	8.06	8.32	7.99	7.74
Silica, Dissolved*	21.8	25.5	27.8	17.0
Sulfate	52.8	30.7	79.0	4.99
Turbidity	8.5	15	26	40
Dissolved Solids	459	413	786	178
Suspended Solids	7	8	30	6
Nitrate	0.24	0.18	0.15	0.25
Nitrite	< 0.02	< 0.02	< 0.02	< 0.02
Ortho Phosphorous	< 0.03	0.15	0.15	0.17
Atrazine	< 0.05	< 0.05	< 0.05	< 0.05
Total Arsenic	8.06	7.20	9.45	4.14
Dissolved Arsenic	6.27	7.16	8.52	3.47
Barium	0.097	0.127	0.152	0.083
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

\* Calculation based on conversion from Silicon to Silica

Approved by: W B Juarez Title: Lab Manager Date: 11/23/16



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**Monthly Mineral Analyses**

Date of Sample November 8, 2016

Parameter	Stevens Treated (Plant #1)	Stevens Treated (Plant #2)	Distribution System Equivalent
Aluminum	0.16	0.14	0.15
Sodium	78.8	76.5	81.1
Iron	< 0.02	< 0.02	< 0.02
Manganese	< 0.002	< 0.002	< 0.002
Copper	0.0021	< 0.002	< 0.002
Lead	< 0.002	< 0.002	< 0.002
Bromide	0.27	0.31	0.30
Conductivity	757	750	725
Total Alkalinity	131	133	128
Calcium	61	62	58
Chloride	116	116	107
Fluoride	0.55	0.57	0.56
Total Hardness	180	188	168
pH	8.14	8.06	8.06
Silica, Dissolved*	17.6	18.0	18.4
Sulfate	62.0	58.4	58.5
Turbidity	0.15	0.10	0.10
Dissolved Solids	458	453	432
Suspended Solids	< 2	< 2	< 2
Nitrate	0.23	0.22	0.23
Nitrite	0.05	0.06	0.06
Ortho Phosphorous	< 0.03	< 0.03	< 0.03

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

\* Calculation based on conversion from Silicon to Silica

Approved by: YMB Juarez Title: Lab Manager Date: 11/23/16