



City of  
Corpus  
Christi

**WATER  
DEPARTMENT**

2726 Holly Road  
Corpus Christi  
Texas 78415

PO Box 9277  
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Texas 78469-9277  
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Water Utilities Laboratory  
13101 Leopard Street  
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Texas 78410  
Phone 361-826-1200  
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www.cctexas.com

Monthly Mineral Analyses  
Date of Sample: April 11, 2017

Parameter	Choke Canyon	Lake CC	Stevens Intake	Lake Texana
Aluminum	0.349	1.39	4.30	5.70
Sodium	84.0	49.6	136	6.88
Iron	0.198	0.871	3.59	3.79
Manganese	0.019	0.036	0.252	0.041
Copper	< 0.002	0.002	0.006	0.008
Lead	< 0.002	< 0.002	0.002	0.003
Bromide	0.70	0.29	0.78	< 0.02
Conductivity	787	636	1087	136
Total Alkalinity	161	195	213	46
Calcium	61	77	101	18
Chloride	131	71	207	10.2
Fluoride	0.22	0.17	0.24	0.12
Total Hardness	188	208	284	56
pH	8.34	8.39	8.20	7.54
Silica, Dissolved*	23.5	27.8	42.8	21.4
Sulfate	58	35	73	5.1
Turbidity	8.8	22	110	120
Dissolved Solids	500	426	812	261
Suspended Solids	9	7	142	12
Nitrate	0.11	0.17	0.31	1.18
Nitrite	< 0.02	< 0.02	0.03	< 0.02
Ortho Phosphorous	< 0.03	0.14	0.13	0.14
Atrazine	< 0.6	< 0.6	< 0.6	< 0.6
Total Arsenic	8.28	6.75	10.0	2.53
Dissolved Arsenic	7.76	6.22	7.48	1.68
Barium	0.111	0.152	0.222	0.091
Cadmium	< 0.002	< 0.002	< 0.002	< 0.002
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>

\* Calculation based on conversion from Silicon to Silica

Approved by: M. B. Juarez Title: Laboratory Manager Date: 5/2/17





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Monthly Mineral Analyses  
Date of Sample April 11, 2017

Parameter	Stevens Treated (Plant #1)	Stevens Treated (Plant #2)	Distribution System Equivalent
Aluminum	0.144	0.142	0.187
Sodium	90.2	87.2	99.2
Iron	< 0.2	< 0.2	< 0.2
Manganese	< 0.005	< 0.005	< 0.005
Copper	< 0.002	< 0.002	< 0.002
Lead	< 0.002	< 0.002	< 0.002
Bromide	< 0.02	< 0.02	< 0.02
Conductivity	825	785	791
Total Alkalinity	131	129	137
Calcium	66	61	67
Chloride	141	141	144
Fluoride	0.64	0.55	0.62
Total Hardness	192	188	192
pH	7.69	7.98	7.91
Silica, Dissolved*	17.8	17.8	17.8
Sulfate	78	76	73
Turbidity	0.05	0.05	0.10
Dissolved Solids	513	507	524
Suspended Solids	< 2	< 2	< 2
Nitrate	0.79	0.68	0.66
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.

\* Calculation based on conversion from Silicon to Silica

Approved by: M. B. Jones Title: Laboratory Manager Date: 5/2/17

