



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  
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Monthly Mineral Analyses  
Date of Sample: November 14, 2017

Parameter	Choke Canyon	Lake CC	Stevens Intake	Lake Texana
Aluminum	1.58	0.452	1.30	0.764
Sodium	54.0	92.3	151	4.70
Iron	0.949	0.288	0.880	0.606
Manganese	0.031	0.018	0.087	0.015
Copper	0.002	0.002	0.005	0.004
Lead	< 0.002	< 0.002	< 0.002	< 0.002
Bromide	1.05	0.56	1.56	0.05
Conductivity	967	790	1610	158
Total Alkalinity	152	196	209	66
Calcium	48	70	120	24
Chloride	162	100	327	6.8
Fluoride	0.23	0.15	0.18	0.09
Total Hardness	184	232	344	68
pH	8.28	8.10	7.74	7.62
Silica, Dissolved*	25.7	30.0	32.1	13.7
Sulfate	71	45	107	2.8
Turbidity	12	27	39	15
Dissolved Solids	465	419	899	75
Suspended Solids	9	4	36	10
Nitrate	0.09	0.25	0.42	0.09
Nitrite	< 0.02	< 0.02	< 0.02	< 0.02
Ortho Phosphorous	< 0.03	0.29	0.25	0.16
Atrazine	< 0.6	< 0.6	< 0.6	< 0.6
Total Arsenic	8.72	9.36	10.5	3.47
Dissolved Arsenic	8.70	8.77	9.89	2.78
Barium	0.129	0.146	0.165	0.056
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. J. Jones Title: Laboratory Manager Date: 12-11-17



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Monthly Mineral Analyses  
Date of Sample November 14, 2017

Parameter	Stevens Treated (Plant #1)	Stevens Treated (Plant #2)	Distribution System Equivalent
Aluminum	0.200	0.171	0.155
Sodium	94.2	97.5	93.6
Iron	< 0.05	< 0.05	< 0.05
Manganese	0.021	< 0.005	< 0.005
Copper	< 0.002	< 0.002	0.004
Lead	< 0.002	< 0.002	< 0.002
Bromide	0.59	0.62	0.58
Conductivity	990	1003	1014
Total Alkalinity	145	140	149
Calcium	66	67	70
Chloride	173	172	171
Fluoride	0.46	0.40	0.44
Total Hardness	200	208	212
pH	7.97	7.92	8.04
Silica, Dissolved*	21.0	19.9	20.5
Sulfate	92	96	96
Turbidity	0.15	0.20	0.35
Dissolved Solids	515	512	525
Suspended Solids	< 2	< 2	< 2
Nitrate	0.35	0.34	0.49
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: MB Juarez Title: Laboratory Manager Date: 12-11-17