



**WATER  
DEPARTMENT**

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Texas 78415

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**Monthly Mineral Analyses**

Date of Sample: February 14, 2017

Parameter	Choke Canyon	Lake CC	Stevens Intake	Lake Texana
Aluminum	0.53	1.02	0.52	3.38
Sodium	80.3	45.3	146	9.68
Iron	0.30	0.58	0.30	2.19
Manganese	0.0165	0.0272	0.0160	0.0241
Copper	< 0.002	< 0.002	< 0.002	< 0.0028
Lead	< 0.002	< 0.002	< 0.002	< 0.002
Bromide	0.61	0.21	0.20	0.07
Conductivity	770	631	1289	237
Total Alkalinity	150	188	207	62
Calcium	59	72	110	22
Chloride	120	63	283	17
Fluoride	0.30	0.24	0.50	0.19
Total Hardness	208	200	316	76
pH	8.34	8.42	8.06	7.90
Silica, Dissolved*	25.7	30.0	30.0	23.5
Sulfate	54	32	97	6.6
Turbidity	13	20	10	70
Dissolved Solids	478	394	840	198
Suspended Solids	14	8	8	13
Nitrate	0.09	0.12	0.45	0.95
Nitrite	< 0.02	< 0.02	< 0.02	< 0.02
Ortho Phosphorous	< 0.03	0.14	0.15	0.15
Atrazine	< 0.6	< 0.6	< 0.6	< 0.6
Total Arsenic	7.73	6.03	7.65	2.62
Dissolved Arsenic	7.84	7.98	7.75	2.25
Barium	0.101	0.129	0.150	0.086
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

\* Calculation based on conversion from Silicon to Silica



Approved by: MB Juarez Title: Lab Manager Date: 2/27/17



City of  
Corpus  
Christi

**UTILITIES**

Maintenance  
of Lines  
&  
Treatment

2726 Holly Road  
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**Gas**

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**Monthly Mineral Analyses**

Date of Sample February 14, 2017

Parameter	Stevens Treated (Plant #1)	Stevens Treated (Plant #2)	Distribution System Equivalent
Aluminum	0.16	0.16	0.13
Sodium	100	97.0	93.6
Iron	<0.20	< 0.20	< 0.20
Manganese	< 0.005	< 0.005	0.0053
Copper	< 0.002	< 0.002	< 0.002
Lead	< 0.002	< 0.002	< 0.002
Bromide	0.38	0.36	0.37
Conductivity	907	902	854
Total Alkalinity	142	140	135
Calcium	66	72	74
Chloride	164	166	155
Fluoride	0.68	0.60	0.62
Total Hardness	204	208	200
pH	8.34	8.08	8.02
Silica, Dissolved*	19.7	20.1	19.5
Sulfate	85	85	82
Turbidity	0.1	0.2	0.2
Dissolved Solids	565	560	542
Suspended Solids	< 2	< 2	< 2
Nitrate	0.70	0.65	0.63
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. Juarez Title: Lab Manager Date: 2/27/17