



City of
Corpus
Christi

**WATER
DEPARTMENT**

2726 Holly Road
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Texas 78415

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Monthly Mineral Analyses

Date of Sample: September 13, 2016

Parameter	Choke Canyon	Lake CC	Stevens Intake	Lake Texana
Aluminum	0.148	0.551	2.49	2.78
Sodium	83.4	54.8	64.2	14.6
Iron	0.077	0.291	1.37	1.42
Manganese	0.009	0.024	0.065	0.028
Copper	< 0.002	< 0.002	0.003	0.003
Lead	< 0.002	< 0.002	< 0.002	< 0.002
Bromide	0.75	0.41	0.44	0.11
Conductivity	827	756	796	359
Total Alkalinity	141	203	208	107
Calcium	56	75	82	40
Chloride	124	73	89	15
Fluoride	0.32	0.25	0.32	0.23
Total Hardness	176	208	224	116
pH	8.22	8.43	8.08	7.66
Silica, Dissolved*	25.3	30.4	33.0	29.1
Sulfate	54	31	36	15
Turbidity	5.0	14	31	39
Dissolved Solids	520	461	512	244
Suspended Solids	7	8	26	7
Nitrate	0.05	0.23	0.25	0.46
Nitrite	< 0.02	< 0.02	< 0.02	< 0.02
Ortho Phosphorous	< 0.03	0.15	0.16	0.13
Atrazine	< 0.05	< 0.05	< 0.05	< 0.05
Total Arsenic	4.82	4.60	5.30	< 2.0
Dissolved Arsenic	5.44	6.41	4.79	< 2.0
Barium	0.092	0.134	0.143	0.091
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: MB Juarez Title: Lab Manager Date: 9/26/16



City of
Corpus
Christi

UTILITIES

Maintenance
of Lines
&
Treatment

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Gas
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Monthly Mineral Analyses

Date of Sample September 13, 2016

Parameter	Stevens Treated (Plant #1)	Stevens Treated (Plant #2)	Distribution System Equivalent
Aluminum	0.166	0.183	0.175
Sodium	55.1	51.7	53.8
Iron	< 0.02	< 0.02	< 0.02
Manganese	< 0.002	0.016	0.002
Copper	< 0.002	< 0.002	< 0.002
Lead	< 0.002	< 0.002	< 0.002
Bromide	0.20	0.23	0.21
Conductivity	679	689	673
Total Alkalinity	154	157	154
Calcium	61	63	61
Chloride	60	59	62
Fluoride	0.68	0.64	0.68
Total Hardness	176	176	176
pH	7.94	7.94	7.95
Silica, Dissolved*	19.3	18.5	19.5
Sulfate	55	49	53
Turbidity	0.2	0.8	0.2
Dissolved Solids	410	423	431
Suspended Solids	< 2	< 2	< 2
Nitrate	0.45	0.35	0.43
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

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