



City of
Corpus
Christi

**WATER
DEPARTMENT**

2726 Holly Road
Corpus Christi
Texas 78415

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Monthly Mineral Analyses

Date of Sample: March 15, 2017

Parameter	Choke Canyon	Lake CC	Stevens Intake	Lake Texana
Aluminum	0.46	0.90	1.96	4.16
Sodium	86.7	48.9	107	8.17
Iron	0.28	0.59	1.29	3.11
Manganese	0.020	0.031	0.080	0.040
Copper	< 0.002	0.002	0.004	0.006
Lead	< 0.002	< 0.002	< 0.002	0.003
Bromide	0.66	0.27	0.65	0.02
Conductivity	774	602	1004	181
Total Alkalinity	154	189	190	47
Calcium	72	72	86	19
Chloride	127	67	186	12
Fluoride	0.27	0.27	0.27	0.12
Total Hardness	176	236	256	80
pH	8.39	8.45	8.06	7.37
Silica, Dissolved*	23.5	27.8	38.5	27.8
Sulfate	56	33	62	5.6
Turbidity	11	20	40	110
Dissolved Solids	465	390	663	199
Suspended Solids	12	13	69	24
Nitrate	0.08	0.11	0.42	1.2
Nitrite	< 0.02	< 0.02	< 0.02	< 0.02
Ortho Phosphorous	< 0.03	0.11	0.20	0.14
Atrazine	< 0.6	< 0.6	< 0.6	< 0.6
Total Arsenic	8.60	6.64	8.22	2.75
Dissolved Arsenic	8.92	7.35	7.77	2.08
Barium	0.108	0.135	0.144	0.090
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 CaCO₃

* Calculation based on conversion from Silicon to Silica



Approved by: M. B. Juarez Title: Lab Manager Date: 3/28/17



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Monthly Mineral Analyses

Date of Sample **March 15, 2017**

Parameter	Stevens Treated (Plant #1)	Stevens Treated (Plant #2)	Distribution System Equivalent
Aluminum	0.12	0.11	0.12
Sodium	101	114	113
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	0.03	0.03	< 0.02
Conductivity	900	932	908
Total Alkalinity	121	122	121
Calcium	67	72	67
Chloride	178	187	179
Fluoride	0.73	0.57	0.66
Total Hardness	244	252	208
pH	7.76	7.83	7.74
Silica, Dissolved*	16.7	17.8	16.9
Sulfate	84	88	83
Turbidity	0.2	0.1	0.1
Dissolved Solids	546	575	534
Suspended Solids	< 2	< 2	< 2
Nitrate	0.76	0.77	0.82
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: YMB Juarez Title: Lab Manager Date: 3/28/17

