



City of
Corpus
Christi

**WATER
DEPARTMENT**

2726 Holly Road
Corpus Christi
Texas 78415

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Water Utilities Laboratory
13101 Leopard Street
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Phone 361-826-1200
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Monthly Mineral Analyses
Date of Sample: August 15, 2017

Parameter	Choke Canyon	Lake CC	Stevens Intake	Lake Texana
Aluminum	0.0833	0.908	0.695	1.72
Sodium	90.2	62.0	101	7.72
Iron	< 0.20	0.579	0.469	1.30
Manganese	0.0124	0.0428	0.0377	0.0220
Copper	< 0.002	< 0.002	< 0.002	0.0023
Lead	< 0.002	< 0.002	< 0.002	< 0.002
Bromide	0.73	0.40	0.67	0.05
Conductivity	855	729	947	169.8
Total Alkalinity	150	206	208	59
Calcium	75	91	144	21
Chloride	143	94	184	12
Fluoride	0.25	0.23	0.30	0.13
Total Hardness	180	236	264	76
pH	8.23	8.52	8.26	7.84
Silica, Dissolved*	27.8	32.1	34.2	25.7
Sulfate	64	44	70	5.8
Turbidity	7.7	28	19	100
Dissolved Solids	529	514	688	253
Suspended Solids	8	21	14	3
Nitrate	0.08	0.18	0.21	0.76
Nitrite	< 0.02	< 0.02	< 0.02	< 0.02
Ortho Phosphorous	< 0.03	0.18	0.17	0.18
Atrazine	< 0.6	< 0.6	< 0.6	< 0.6
Total Arsenic	8.22	8.12	8.42	2.58
Dissolved Arsenic	8.36	7.72	8.28	2.10
Barium	0.101	0.149	0.149	0.089
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: MJ Jones Title: Laboratory Manager Date: 9/12/17



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Monthly Mineral Analyses
Date of Sample August 15, 2017

Parameter	Stevens Treated (Plant #1)	Stevens Treated (Plant #2)	Distribution System Equivalent
Aluminum	0.209	0.161	0.185
Sodium	81.4	81.9	79.2
Iron	< 0.20	< 0.20	< 0.20
Manganese	< 0.005	< 0.005	< 0.005
Copper	< 0.002	< 0.002	< 0.002
Lead	< 0.002	< 0.002	< 0.002
Bromide	0.32	0.32	0.32
Conductivity	777	783	815
Total Alkalinity	144	138	140
Calcium	71	67	74
Chloride	127	124	111
Fluoride	0.54	0.48	0.52
Total Hardness	200	192	192
pH	8.12	8.17	8.18
Silica, Dissolved*	20.1	18.6	19.0
Sulfate	83	86	75
Turbidity	0.10	0.50	0.15
Dissolved Solids	506	508	508
Suspended Solids	< 2	< 2	< 2
Nitrate	0.43	0.45	0.47
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: MBC Juarez Title: Laboratory Manager Date: 9/12/17