



City of
Corpus
Christi

**WATER
DEPARTMENT**

2726 Holly Road
Corpus Christi
Texas 78415

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Monthly Mineral Analyses
Date of Sample: May 16, 2017

Parameter	Choke Canyon	Lake CC	Stevens Intake	Lake Texana
Aluminum	0.41	1.29	0.98	5.61
Sodium	90	54	99	7.2
Iron	0.23	0.82	0.60	4.56
Manganese	0.0260	0.0398	0.0394	0.0452
Copper	< 0.002	< 0.002	< 0.002	0.0045
Lead	< 0.002	< 0.002	< 0.002	0.0035
Bromide	0.64	0.27	0.37	0.02
Conductivity	823	659	950	141.9
Total Alkalinity	178	220	228	53
Calcium	74	82	103	19
Chloride	127	72	147	9.9
Fluoride	0.24	0.25	0.24	0.16
Total Hardness	192	220	268	56
pH	8.60	8.57	8.29	7.85
Silica, Dissolved*	25.7	27.8	30.0	19.5
Sulfate	57	36	55	4.7
Turbidity	13	25	17	150
Dissolved Solids	509	441	618	260
Suspended Solids	12	11	7	7
Nitrate	0.11	0.22	0.26	1.02
Nitrite	< 0.02	< 0.02	< 0.02	< 0.02
Ortho Phosphorous	< 0.03	0.14	0.14	0.14
Atrazine	< 0.6	< 0.6	< 0.6	< 0.6
Total Arsenic	8.56	7.33	8.51	3.06
Dissolved Arsenic	9.03	7.44	8.48	2.36
Barium	0.123	0.165	0.167	0.113
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: MB Jones Title: Laboratory Manager Date: 6/5/17



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Monthly Mineral Analyses
Date of Sample May 16, 2017

Parameter	Stevens Treated (Plant #1)	Stevens Treated (Plant #2)	Distribution System Equivalent
Aluminum	0.27	0.18	0.22
Sodium	75	81	71
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	0.33	0.27	0.30
Conductivity	701	674	664
Total Alkalinity	146	136	133
Calcium	58	54	59
Chloride	101	95	92
Fluoride	0.62	0.61	0.58
Total Hardness	172	168	156
pH	8.29	8.31	8.19
Silica, Dissolved*	17.3	16.5	16.3
Sulfate	64	70	65
Turbidity	0.10	0.10	0.10
Dissolved Solids	437	419	408
Suspended Solids	< 2	< 2	< 2
Nitrate	0.62	0.62	0.67
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. Jones Title: Laboratory Manager Date: 6/5/17