



City of
Corpus
Christi

**WATER
DEPARTMENT**

2726 Holly Road
Corpus Christi
Texas 78415

PO Box 9277
Corpus Christi
Texas 78469-9277
Phone 361-857-1881
Fax 361-857-1889

Water Utilities Laboratory
13101 Leopard Street
Corpus Christi
Texas 78410
Phone 361-826-1200
Fax 361-242-9131
www.cctexas.com

Monthly Mineral Analyses
Date of Sample: **June 13, 2017**

Parameter	Choke Canyon	Lake CC	Stevens Intake	Lake Texana
Aluminum	0.12	0.58	0.55	5.87
Sodium	90.1	53.8	101	7.02
Iron	< 0.20	0.35	0.30	3.79
Manganese	0.0149	0.0258	0.0167	0.0367
Copper	< 0.002	< 0.002	< 0.002	0.0044
Lead	< 0.002	< 0.002	< 0.002	0.0030
Bromide	0.70	0.30	0.60	0.03
Conductivity	818	694	1004	149
Total Alkalinity	157	207	209	51
Calcium	66	83	94	19
Chloride	132	79	165	9.7
Fluoride	0.28	0.24	0.24	0.13
Total Hardness	184	216	264	56
pH	8.42	8.62	8.31	7.81
Silica, Dissolved*	25.7	27.8	27.8	21.4
Sulfate	59	39	63	4.8
Turbidity	5.2	14	9.8	130
Dissolved Solids	520	463	674	282
Suspended Solids	8	11	4	7
Nitrate	0.14	0.18	0.60	1.68
Nitrite	< 0.02	< 0.02	< 0.02	< 0.02
Ortho Phosphorous	< 0.03	0.13	0.15	0.13
Atrazine	< 0.6	< 0.6	< 0.6	< 0.6
Total Arsenic	9.05	7.41	8.83	2.96
Dissolved Arsenic	9.25	7.35	8.18	2.32
Barium	0.110	0.145	0.161	0.103
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. J. Suarez Title: Laboratory Manager Date: 7/6/17



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Monthly Mineral Analyses
Date of Sample June 13, 2017

Parameter	Stevens Treated (Plant #1)	Stevens Treated (Plant #2)	Distribution System Equivalent
Aluminum	0.29	0.17	0.25
Sodium	76.7	75.0	64.8
Iron	< 0.20	< 0.20	< 0.20
Manganese	<0.005	< 0.005	< 0.005
Copper	< 0.002	0.0025	< 0.002
Lead	< 0.002	< 0.002	< 0.002
Bromide	0.27	0.27	0.26
Conductivity	717	705	623
Total Alkalinity	141	131	124
Calcium	59	58	54
Chloride	100	97	86
Fluoride	0.24	0.65	0.55
Total Hardness	180	176	160
pH	8.24	8.23	8.21
Silica, Dissolved*	19.0	19.0	16.0
Sulfate	66	71	65
Turbidity	0.10	0.05	0.10
Dissolved Solids	476	465	421
Suspended Solids	< 2	< 2	< 2
Nitrate	0.86	0.73	0.59
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. J. Jantz Title: Laboratory Manager Date: 7/6/17