



City of
Corpus
Christi

UTILITIES

Maintenance

of Lines

&

Treatment

2726 Holly Road

Corpus Christi

Texas 78415

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Gas

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Corpus Christi

Texas 78415

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Monthly Mineral Analyses

Date of Sample: August 16, 2016

Parameter	Choke Canyon	Lake CC	Stevens Intake	Lake Texana
Aluminum	0.14	1.42	2.51	5.85
Sodium	97.1	60.8	86.4	7.26
Iron	0.088	0.882	1.61	4.20
Manganese	0.016	0.047	0.146	0.074
Copper	< 0.002	0.0029	0.0026	0.0036
Lead	< 0.002	< 0.002	< 0.002	0.0026
Bromide	0.86	0.13	0.30	0.05
Conductivity	903	765	973	236
Total Alkalinity	148	201	192	77
Calcium	56	77	90	26
Chloride	142	66	146	9.7
Fluoride	0.41	0.40	0.43	0.26
Total Hardness	172	208	240	68
pH	8.24	8.39	8.01	7.69
Silica, Dissolved*	24.4	26.1	25.2	32.3
Sulfate	61	29	52	4.6
Turbidity	5.5	27	52	120
Dissolved Solids	492	428	577	239
Suspended Solids	8	26	37	8
Nitrate	0.12	0.32	0.40	0.43
Nitrite	< 0.02	< 0.02	< 0.02	< 0.02
Ortho Phosphorous	< 0.03	0.16	0.20	0.16
Atrazine	< 0.05	< 0.05	< 0.05	0.083
Total Arsenic	8.13	8.83	6.80	2.55
Dissolved Arsenic	8.37	7.28	6.72	3.25
Barium	0.099	0.159	0.144	0.094
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: MJ Quarez Title: Lab Manager Date: 9/2/16



City of
Corpus
Christi

**WATER
DEPARTMENT**

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Texas 78415

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Monthly Mineral Analyses

Date of Sample August 16, 2016

Parameter	Stevens Treated (Plant #1)	Stevens Treated (Plant #2)	Distribution System Equivalent
Aluminum	0.20	0.19	0.19
Sodium	64.2	60.0	69.2
Iron	< 0.02	0.032	< 0.02
Manganese	< 0.002	0.0030	< 0.002
Copper	< 0.002	0.0054	< 0.002
Lead	< 0.002	< 0.002	< 0.002
Bromide	0.19	0.21	0.21
Conductivity	634	670	689
Total Alkalinity	114	126	127
Calcium	45	51	46
Chloride	69	67	76
Fluoride	0.63	0.76	0.57
Total Hardness	120	148	140
pH	7.98	7.99	8.06
Silica, Dissolved*	15.0	15.3	15.8
Sulfate	54	48	55
Turbidity	0.15	0.10	0.20
Dissolved Solids	347	348	382
Suspended Solids	< 2	< 2	< 2
Nitrate	0.40	0.39	0.34
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. Juarez Title: Lab Manager Date: 9/2/16

