



City of  
Corpus  
Christi

UTILITIES

Maintenance

of Lines

&

Treatment

2726 Holly Road

Corpus Christi

Texas 78415

Phone 361-826-1800

Fax 361-826-1889

Gas

4225 S. Port Ave.

Corpus Christi

Texas 78415

Phone 361-885-6900

Fax 361-853-3200

Monthly Mineral Analyses

Date of Sample: October 11, 2016

Parameter	Choke Canyon	Lake CC	Stevens Intake	Lake Texana
Aluminum	0.104	0.502	1.94	2.58
Sodium	76.1	50.2	70.1	9.1
Iron	0.057	0.418	0.998	2.02
Manganese	0.016	0.033	0.108	0.041
Copper	< 0.002	< 0.002	0.003	0.005
Lead	< 0.002	< 0.002	< 0.002	< 0.002
Bromide	0.70	0.43	0.43	0.09
Conductivity	826	706	879	201
Total Alkalinity	138	190	198	70
Calcium	56	70	88	27
Chloride	117	73.6	110	15.6
Fluoride	0.22	0.18	0.18	0.13
Total Hardness	164	208	232	76
pH	8.25	8.57	8.01	7.46
Silica, Dissolved*	23.1	27.8	28.5	27.6
Sulfate	53.1	32.2	41.6	5.0
Turbidity	6.4	11	33	50
Dissolved Solids	487	444	566	201
Suspended Solids	6	8	91	36
Nitrate	0.39	0.11	0.24	0.27
Nitrite	< 0.02	< 0.02	< 0.02	< 0.02
Ortho Phosphorous	< 0.03	0.12	0.16	0.19
Atrazine	< 0.05	< 0.05	< 0.05	< 0.05
Total Arsenic	4.07	4.44	5.58	< 2.0
Dissolved Arsenic	< 2.0	< 2.0	3.72	< 2.0
Barium	0.095	0.130	0.144	0.086
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: Yvonne Suarez Title: Lab Manager Date: 10/24/16



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**Monthly Mineral Analyses**

Date of Sample October 11, 2016

Parameter	Stevens Treated (Plant #1)	Stevens Treated (Plant #2)	Distribution System Equivalent
Aluminum	0.190	0.169	0.169
Sodium	49.1	46.5	47
Iron	< 0.02	< 0.02	< 0.02
Manganese	< 0.002	0.006	< 0.002
Copper	< 0.002	< 0.002	< 0.002
Lead	< 0.002	< 0.002	< 0.002
Bromide	0.19	0.19	0.17
Conductivity	597	590	574
Total Alkalinity	128	129	126
Calcium	54	51	50
Chloride	63.4	61.8	58.4
Fluoride	0.56	0.58	0.52
Total Hardness	152	148	144
pH	7.94	7.90	8.10
Silica, Dissolved*	18.1	19.5	17.7
Sulfate	51.0	44.2	46.9
Turbidity	0.15	0.1	0.1
Dissolved Solids	360	364	352
Suspended Solids	< 2	< 2	< 2
Nitrate	0.27	0.27	0.30
Nitrite	0.03	< 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: MJ Juarez Title: Lab Manager Date: 10/21/16