



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: January 10, 2017

Parameter	Choke Canyon	Lake CC	Stevens Intake	Lake Texana
Aluminum	0.333	0.962	0.995	3.71
Sodium	86.6	47.6	154	11.4
Iron	0.151	0.479	0.485	1.79
Manganese	< 0.002	0.0298	0.313	0.0226
Copper	0.0095	< 0.002	< 0.002	0.0029
Lead	0.151	< 0.002	< 0.002	< 0.002
Bromide	0.64	0.25	0.88	0.08
Conductivity	747	605	1331	203
Total Alkalinity	190	149	209	74
Calcium	53	71	128	46
Chloride	124	66	271	17
Fluoride	0.23	0.22	0.37	0.20
Total Hardness	176	204	324	100
pH	8.39	8.42	7.91	7.78
Silica, Dissolved*	24.8	29.3	30.2	26.8
Sulfate	56	32	92	5.6
Turbidity	8.6	22	15	50
Dissolved Solids	512	436	902	212
Suspended Solids	7	18	3	3
Nitrate	0.14	0.21	0.37	0.41
Nitrite	< 0.02	< 0.02	< 0.02	< 0.02
Ortho Phosphorous	< 0.03	0.14	0.15	0.16
Atrazine	< 0.05	< 0.05	< 0.05	< 0.05
Total Arsenic	8.71	6.55	9.98	4.82
Dissolved Arsenic	9.13	< 2.0	9.74	4.25
Barium	0.099	0.116	0.148	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: M. B. Juarez Title: Lab Manager Date: 1/23/17



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Monthly Mineral Analyses

Date of Sample January 10, 2017

Parameter	Stevens Treated (Plant #1)	Stevens Treated (Plant #2)	Distribution System Equivalent
Aluminum	0.143	0.120	0.113
Sodium	105	112	117
Iron	< 0.02	1.84	< 0.02
Manganese	0.0027	< 0.002	< 0.002
Copper	< 0.002	0.0042	< 0.002
Lead	< 0.002	< 0.002	< 0.002
Bromide	0.42	0.46	0.44
Conductivity	983	996	1013
Total Alkalinity	155	156	154
Calcium	75	88	96
Chloride	179	183	190
Fluoride	0.49	0.49	0.47
Total Hardness	220	216	224
pH	8.01	8.16	7.99
Silica, Dissolved*	22.2	22.9	22.7
Sulfate	77	80	77
Turbidity	0.20	0.10	0.10
Dissolved Solids	662	667	678
Suspended Solids	< 2	< 2	< 2
Nitrate	0.43	0.41	0.43
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: 1/23/17