



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: August 14, 2018

Parameter	Choke Canyon	Lake CC	Stevens Intake	Mary Rhodes Pipeline
Aluminum	0.137	1.3	0.59	0.786
Sodium	113	60.3	113	10.6
Iron	0.059	0.699	0.294	0.51
Manganese	0.020	0.034	0.030	0.030
Copper	< 0.002	< 0.002	< 0.002	< 0.002
Lead	< 0.002	< 0.002	< 0.002	< 0.002
Bromide	0.98	0.35	0.76	0.08
Conductivity	1055	798	1177	242
Total Alkalinity	154	209	211	92
Calcium	70	88	96	32
Chloride	163	83	180	18
Fluoride	0.23	0.18	0.21	0.17
Total Hardness	184	228	280	120
pH	8.51	8.58	8.33	8.11
Silica, Dissolved*	27.6	36.0	36.4	18.2
Sulfate	68	38	63	5.6
Turbidity	7.2	26	11	23
Dissolved Solids	635	494	733	190
Suspended Solids	11	13	8	8
Nitrate	0.07	0.20	0.21	0.14
Nitrite	< 0.02	< 0.02	< 0.02	< 0.02
Ortho Phosphorous	< 0.03	0.28	0.29	0.10
Atrazine	< 0.05	< 0.05	< 0.05	0.105
Total Arsenic	10.3	10.4	11.7	3.8
Dissolved Arsenic	10.5	10.5	10.4	2.58
Barium	0.122	0.152	0.17	0.088
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, Total Hardness/Total Alkalinity – mg/L as CaCO₃

Reviewed by: [Signature] Title: Quality Assurance Officer Date: 8-29-18

Approved by: [Signature] Title: Laboratory Manager Date: 8/29/18



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Monthly Mineral Analyses
Date of Sample August 14, 2018

Parameter	Stevens Treated (Plant #1)	Stevens Treated (Plant #2)	Distribution System Equivalent
Aluminum	0.205	0.225	0.211
Sodium	94.3	90.5	93.4
Iron	< 0.02	< 0.02	< 0.02
Manganese	< 0.002	< 0.002	< 0.002
Copper	< 0.002	< 0.002	< 0.002
Lead	< 0.002	< 0.002	< 0.002
Bromide	0.36	0.37	0.34
Conductivity	938	956	892
Total Alkalinity	141	152	142
Calcium	77	69	59
Chloride	130	130	125
Fluoride	0.58	0.70	0.64
Total Hardness	180	200	168
pH	8.18	8.14	8.16
Silica, Dissolved*	22.7	22.0	19.1
Sulfate	88	84	83
Turbidity	0.10	0.05	0.10
Dissolved Solids	553	561	565
Suspended Solids	< 2	< 2	< 2
Nitrate	0.21	0.22	0.23
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.

Reviewed by: [Signature] Title: Quality Assurance Officer Date: 8-29-18
 Approved by: [Signature] Title: Laboratory Manager Date: 8/29/18