



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: July 16, 2019

Parameter	Choke Canyon	Lake CC	Stevens Intake	Mary Rhodes Pipeline
Aluminum	0.030	0.383	0.586	2.86
Sodium	68.1	30.6	63.9	9.55
Iron	< 0.02	0.26	0.37	2.06
Manganese	0.015	0.025	0.018	0.036
Copper	< 0.002	< 0.002	< 0.002	0.003
Lead	< 0.002	< 0.002	< 0.002	< 0.002
Bromide	0.47	0.20	0.44	0.06
Conductivity	757	583	907	195.9
Total Alkalinity	143	177	167	66
Calcium	57	73	16	28
Chloride	73.9	44.7	119	14.4
Fluoride	< 0.2	< 0.2	< 0.2	< 0.2
Total Hardness	184	216	232	92
pH	8.22	8.31	8.11	7.87
Silica, Dissolved*	18.9	22.3	23.8	49.9
Sulfate	43.4	28.1	47.2	6.35
Turbidity	5.0	11	12	19
Dissolved Solids	464	420	546	250
Suspended Solids	6	15	6	8
Nitrate	< 0.02	0.05	0.17	0.80
Nitrite	< 0.02	< 0.02	< 0.02	0.08
Ortho Phosphorous	< 0.06	0.10	0.12	0.19
Atrazine	< 0.05	< 0.05	< 0.05	0.12
Total Arsenic	7.35	4.90	4.68	2.54
Dissolved Arsenic	5.09	4.38	4.67	2.90
Barium	0.075	0.110	0.126	0.090
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 CaCO<sub>3</sub>

Reviewed by:  Title: Technical Manager Date: 8-6-2019

Approved by:  Title: Laboratory Manager Date: 8/6/2019



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**Monthly Mineral Analyses**

Date of Sample July 16, 2019

Parameter	Stevens Treated (Plant #1)	Stevens Treated (Plant #2)	Distribution System Equivalent
Aluminum	0.256	0.173	0.226
Sodium	47.8	46.8	47.3
Iron	< 0.02	< 0.02	< 0.02
Manganese	< 0.002	0.003	< 0.002
Copper	< 0.002	0.003	< 0.002
Lead	< 0.002	< 0.002	< 0.002
Bromide	0.14	0.14	0.13
Conductivity	589	570	567
Total Alkalinity	121	104	114
Calcium	49	46	44
Chloride	66.9	60.9	57.4
Fluoride	0.70	0.64	0.71
Total Hardness	156	132	160
pH	8.06	7.93	8.01
Silica, Dissolved*	14.3	14.3	11.7
Sulfate	46.6	45.3	45.0
Turbidity	0.05	0.03	0.08
Dissolved Solids	358	338	336
Suspended Solids	< 2	< 2	< 2
Nitrate	0.51	0.52	0.53
Nitrite	< 0.02	< 0.02	< 0.02
Ortho Phosphorous	< 0.06	< 0.06	< 0.06

Results expressed in mg/L, except as follows: Conductivity – umhos/cm, pH – SU, and Turbidity – NTU.

Reviewed by:  Title: Technical Manager Date: 8-16-2019

Approved by:  Title: Laboratory Manager Date: 8/16/2019