



City of
Corpus
Christi

**WATER
DEPARTMENT**

2726 Holly Road
Corpus Christi
Texas 78415


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Water Utilities Laboratory
13101 Leopard Street
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Phone 361-826-1200
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Monthly Mineral Analyses
Date of Sample: December 10, 2019

Parameter	Choke Canyon	Lake CC	Stevens Intake	Mary Rhodes Pipeline
Aluminum	0.140	0.890	0.190	0.540
Sodium	77.5	41.4	141	32.4
Iron	0.097	0.620	0.130	0.38
Manganese	0.013	0.028	0.015	0.027
Copper	<0.02	<0.02	<0.02	<0.02
Lead	<0.005	<0.005	<0.005	<0.005
Bromide	0.58	0.16	0.47	0.19
Conductivity	802	697	1408	598
Total Alkalinity	135	190	194	163
Calcium	96	122	109	63
Chloride	106	65	249	36
Fluoride	0.19	0.18	0.22	0.38
Total Hardness	220	244	340	240
pH	8.31	8.49	8.04	8.21
Silica, Dissolved*	21.6	23.1	25.4	10.2
Sulfate	59.0	35.0	85.0	36.0
Turbidity	4.8	23	7.1	20
Dissolved Solids	412	397	736	325
Suspended Solids	6	27	6	20
Nitrate	0.11	0.17	0.33	1.64
Nitrite	<0.025	<0.025	<0.025	<0.025
Ortho Phosphorous	0.10	<0.05	0.09	0.37
Atrazine	<2.6	<2.6	<2.6	<2.6
Total Arsenic	7.0	6.4	8.6	<5.0
Dissolved Arsenic	<10.0	<10.0	<10.0	<10.0
Barium	0.080	0.130	0.140	0.120
Cadmium	< 0.01	< 0.01	< 0.01	< 0.01
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:  Title: Technical Manager Date: 12/30/2020

Approved by:  Title: Laboratory Manager Date: 1/6/2020





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Monthly Mineral Analyses
Date of Sample December 10, 2019

Parameter	Stevens Treated (Plant #1)	Stevens Treated (Plant #2)	Distribution System Equivalent
Aluminum	0.220	0.170	0.190
Sodium	116	106	100
Iron	<0.07	<0.07	<0.07
Manganese	<0.005	<0.005	<0.005
Copper	<0.02	<0.02	<0.02
Lead	<0.005	<0.005	<0.005
Bromide	0.24	0.34	0.19
Conductivity	1138	1080	1033
Total Alkalinity	172	155	162
Calcium	115	139	80
Chloride	159	150	138
Fluoride	0.69	0.59	0.70
Total Hardness	308	312	288
pH	8.09	7.95	8.00
Silica, Dissolved*	15.8	16.0	15.3
Sulfate	111	106	98.0
Turbidity	0.10	0.10	0.02
Dissolved Solids	587	558	519
Suspended Solids	< 2	< 2	< 2
Nitrate	1.72	1.72	1.86
Nitrite	<0.025	< 0.025	< 0.025
Ortho Phosphorous	< 0.05	< 0.05	< 0.05

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

Reviewed by:  Title: Technical Manager Date: 6 JAN 2020

Approved by:  Title: Laboratory Manager Date: 1/6/2020

