



City of
Corpus
Christi

**WATER
DEPARTMENT**

2726 Holly Road
Corpus Christi
Texas 78415

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Monthly Mineral Analyses
Date of Sample: January 14, 2020

Parameter	Choke Canyon	Lake CC	Stevens Intake	Mary Rhodes Pipeline
Aluminum	0.039	0.110	0.210	0.720
Sodium	84.0	43.2	157	14.7
Iron	0.026	0.100	0.140	0.510
Manganese	0.009	0.017	0.017	0.023
Copper	<0.002	<0.002	<0.002	<0.002
Lead	<0.0005	<0.0005	<0.0005	0.0006
Bromide	0.58	0.19	0.58	0.07
Conductivity	806	690	1541	265
Total Alkalinity	151	203	217	83
Calcium	51	80	112	34
Chloride	107	65	278	17
Fluoride	0.22	0.18	0.21	0.17
Total Hardness	176	228	340	96
pH	8.33	8.43	8.05	8.03
Silica, Total*	22.6	27.1	27.9	22.0
Sulfate	60	35	95	4.5
Turbidity	5.9	15	9.0	37
Dissolved Solids	461	434	860	206
Suspended Solids	6	12	5	6
Nitrate	0.10	0.16	0.33	0.18
Nitrite	<0.025	<0.025	<0.025	<0.025
Ortho Phosphorous	<0.05	0.11	0.09	0.14
Atrazine	<2.4	<2.4	<2.5	<2.4
Total Arsenic	6.5	5.7	7.0	3.2
Dissolved Arsenic	6.7	5.9	7.3	3.2
Barium	0.086	0.130	0.150	0.098
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; *Silica is reported as Total Silica for the month of January 2020 only.

Reviewed by:  Title: Technical Manager Date: 05 FEB 2020

Approved by:  Title: Laboratory Manager Date: 2/06/2020





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Monthly Mineral Analyses
Date of Sample: January 14, 2020

Parameter	Stevens Treated (Plant #1)	Stevens Treated (Plant #2)	Distribution System Equivalent
Aluminum	0.150	0.130	0.130
Sodium	94.6	93.8	98.3
Iron	<0.007	<0.007	<0.007
Manganese	<0.0005	<0.0005	<0.0005
Copper	<0.002	<0.002	<0.002
Lead	<0.0005	<0.0005	<0.0005
Bromide	0.35	0.34	0.35
Conductivity	893	888	945
Total Alkalinity	134	128	129
Calcium	69	61	67
Chloride	126	129	139
Fluoride	0.66	0.58	0.64
Total Hardness	208	200	204
pH	7.88	7.97	7.87
Silica, Total*	15.8	15.6	15.8
Sulfate	83	88	91
Turbidity	0.10	0.10	0.02
Dissolved Solids	505	489	520
Suspended Solids	<2	<2	<2
Nitrate	0.30	0.30	0.33
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.

*Silica is reported as Total Silica for the month of January 2020 only.

Reviewed by:  Title: Technical Manager Date: 05 FEB 2020

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