



City of
Corpus
Christi

**WATER
DEPARTMENT**

2726 Holly Road
Corpus Christi
Texas 78415

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Monthly Mineral Analyses
Date of Sample: March 17, 2020

Parameter	Choke Canyon	Lake CC	Stevens Intake	Mary Rhodes Pipeline
Aluminum	0.11	0.85	5.1	0.61
Sodium	80.0	42.7	141	31.4
Iron	0.069	0.53	3.7	0.45
Manganese	0.010	0.016	0.310	0.017
Copper	< 0.002	< 0.002	0.008	0.002
Lead	< 0.0005	< 0.0005	0.004	< 0.0005
Bromide	0.56	0.30	0.92	0.21
Conductivity	770	679	1329	457
Total Alkalinity	165	219	233	168
Calcium	93	99	115	61
Chloride	100	61	244	42
Fluoride	0.28	0.25	0.26	0.33
Total Hardness	268	296	400	260
pH	8.44	8.50	6.74	8.24
Silica, Total*	20.9	23.3	26.1	9.0
Sulfate	64	40	90	40
Turbidity	5.0	18	55	19
Dissolved Solids	463	403	822	307
Suspended Solids	9	11	71	12
Nitrate	0.10	0.23	0.31	2.41
Nitrite	< 0.025	< 0.025	< 0.025	< 0.025
Ortho Phosphorous	< 0.05	0.13	0.13	0.30
Atrazine	< 2.4	< 2.4	< 2.4	< 2.4
Total Arsenic	6.5	5.5	8.8	2.8
Dissolved Arsenic	< 10.0	< 10.0	< 10.0	< 10.0
Barium	0.09	0.13	0.19	0.11
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: 4-20-2020

Approved by:  Title: Laboratory Manager Date: 4/21/2020





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Monthly Mineral Analyses
Date of Sample: March 17, 2020

Parameter	Stevens Treated (Plant #1)	Stevens Treated (Plant #2)	Distribution System Equivalent
Aluminum	0.20	0.19	0.20
Sodium	110	110	104
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	0.45	0.46	0.42
Conductivity	1052	1035	984
Total Alkalinity	140	125	175
Calcium	88	93	83
Chloride	155	152	139
Fluoride	0.62	0.54	0.61
Total Hardness	348	304	304
pH	8.01	7.96	8.04
Silica, Total*	14.9	15.1	14.1
Sulfate	109	114	109
Turbidity	0.10	0.10	0.55
Dissolved Solids	614	613	561
Suspended Solids	2	< 2	< 2
Nitrate	1.35	1.34	1.48
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: 4-20-2020

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