



City of
Corpus
Christi

**WATER
DEPARTMENT**

2726 Holly Road
Corpus Christi
Texas 78415

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Monthly Mineral Analyses
Date of Sample: February 11, 2020

Parameter	Choke Canyon	Lake CC	Stevens Intake	Mary Rhodes Pipeline
Aluminum	0.078	0.330	0.150	0.760
Sodium	78.9	42.8	153	15.0
Iron	0.050	0.190	0.098	0.46
Manganese	0.003	0.007	0.004	0.007
Copper	< 0.002	0.004	0.003	0.004
Lead	< 0.0005	< 0.0005	< 0.0005	0.002
Bromide	0.57	0.30	0.96	0.09
Conductivity	759	657	1409	259
Total Alkalinity	152	205	222	92
Calcium	51	77	118	32
Chloride	102	65.5	268	21.0
Fluoride	0.19	0.16	0.22	0.16
Total Hardness	184	244	360	100
pH	8.36	8.46	8.19	8.09
Silica, Total*	20.4	21.9	26.9	15.1
Sulfate	61.8	37.5	79.0	7.52
Turbidity	4.8	16	11	22
Dissolved Solids	584	448	897	206
Suspended Solids	7	12	10	5
Nitrate	0.08	0.12	0.28	0.24
Nitrite	< 0.02	< 0.02	0.22	< 0.02
Ortho Phosphorous	< 0.05	0.12	0.10	0.15
Atrazine	< 2.4	< 2.5	< 2.5	< 2.5
Total Arsenic	6.2	5.6	7.2	2.9
Dissolved Arsenic	< 10.0	< 10.0	13.0	< 10.0
Barium	0.082	0.120	0.140	0.086
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: 03/05/2020

Approved by:  Title: Laboratory Manager Date: 3/5/20





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Monthly Mineral Analyses
Date of Sample: February 11, 2020

Parameter	Stevens Treated (Plant #1)	Stevens Treated (Plant #2)	Distribution System Equivalent
Aluminum	0.160	0.150	0.150
Sodium	108	106	95.5
Iron	< 0.007	< 0.007	< 0.007
Manganese	< 0.0005	0.0006	< 0.0005
Copper	< 0.002	< 0.002	< 0.002
Lead	< 0.0005	< 0.0005	< 0.0005
Bromide	0.41	0.40	0.36
Conductivity	946	953	873
Total Alkalinity	142	141	136
Calcium	67	66	62
Chloride	140	160	136
Fluoride	0.61	0.59	0.62
Total Hardness	212	216	208
pH	8.07	8.07	8.17
Silica, Total*	14.7	14.3	14.4
Sulfate	90.6	93.4	83.1
Turbidity	0.10	0.10	0.10
Dissolved Solids	594	600	525
Suspended Solids	< 2	< 2	< 2
Nitrate	0.31	0.28	0.23
Nitrite	0.02	0.02	0.02
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: [Signature] Title: Technical Manager Date: 03/05/2020

Approved by: [Signature] Title: Laboratory Manager Date: 3/5/20

