



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: August 11, 2020

Parameter	Choke Canyon	Lake CC	Stevens Intake	Mary Rhodes Pipeline
Aluminum	0.04	0.63	0.15	1.30
Sodium	80.2	47.7	86.3	25.1
Iron	0.03	0.39	0.10	0.80
Manganese	0.013	0.022	0.005	0.057
Copper	<0.002	<0.002	<0.002	0.003
Lead	<0.0005	<0.0005	<0.0005	0.0007
Bromide	0.58	0.36	0.57	0.18
Conductivity	782	698	1000	405
Total Alkalinity	132	179	188	122
Calcium	48	82	91	42
Chloride	102	70	145	26
Fluoride	0.19	0.22	0.25	0.19
Total Hardness	180	224	280	148
pH	8.38	8.39	8.26	8.01
Silica, Dissolved	18.3	26.7	26.1	12.6
Sulfate	56	37	58	22
Turbidity	2.3	14	4.4	27
Dissolved Solids	485	480	978	254
Suspended Solids	4	14	4	14
Nitrate	<0.02	0.03	0.15	0.28
Nitrite	<0.02	0.02	<0.02	0.03
Ortho Phosphorous	<0.05	0.14	0.15	0.15
Atrazine	< 2.4	< 2.4	< 2.4	< 2.4
Total Arsenic	6.3	7.0	7.6	3.6
Dissolved Arsenic	< 10.0	12.6	11.1	< 10.0
Barium	0.07	0.13	0.14	0.12
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: [Signature] Title: Technical Manager Date: 08/26/20

Approved by: [Signature] Title: Laboratory Manager Date: 8/26/20



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**Monthly Mineral Analyses**  
Date of Sample: August 11, 2020

Parameter	Stevens Treated (Plant #1)	Stevens Treated (Plant #2)	Distribution System Equivalent
Aluminum	0.24	0.19	0.23
Sodium	79.2	75.5	78.1
Iron	< 0.007	< 0.007	< 0.007
Manganese	< 0.0005	0.002	0.003
Copper	<0.002	< 0.002	< 0.002
Lead	< 0.0005	< 0.0005	< 0.0005
Bromide	0.31	0.30	0.29
Conductivity	849	825	790
Total Alkalinity	156	141	128
Calcium	67	69	61
Chloride	103	100	98
Fluoride	0.55	0.48	0.58
Total Hardness	212	216	192
pH	8.11	8.05	8.04
Silica, Dissolved	15.2	14.9	14.1
Sulfate	71	69	65
Turbidity	0.10	0.05	0.10
Dissolved Solids	518	522	497
Suspended Solids	< 2	< 2	< 2
Nitrate	0.19	0.22	0.22
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.

Reviewed by:  Title: Technical Manager Date: 08/26/20

Approved by:  Title: Laboratory Manager Date: 8/26/20