



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: June 16, 2020

Parameter	Choke Canyon	Lake CC	Stevens Intake	Mary Rhodes Pipeline
Aluminum	0.026	0.46	0.44	0.56
Sodium	81.1	47.2	71.1	24.6
Iron	0.019	0.27	0.28	0.37
Manganese	0.009	0.022	0.011	0.023
Copper	< 0.002	< 0.002	< 0.002	< 0.002
Lead	< 0.0005	< 0.0005	< 0.0005	< 0.0005
Bromide	0.56	0.33	0.45	0.17
Conductivity	845	716	882	402
Total Alkalinity	135	198	199	117
Calcium	38	69	88	42
Chloride	114	76.0	126	30.6
Fluoride	0.17	0.15	0.14	0.17
Total Hardness	176	240	264	136
pH	8.38	8.45	8.26	7.97
Silica, Dissolved	18.2	23.8	27.3	9.9
Sulfate	60.3	38.3	51.1	23.6
Turbidity	-	-	-	-
Dissolved Solids	390	396	497	204
Suspended Solids	6	14	8	9
Nitrate	0.08	0.14	0.29	0.29
Nitrite	< 0.02	0.03	< 0.02	< 0.02
Ortho Phosphorous	< 0.05	0.15	0.16	0.12
Atrazine	< 2.4	< 2.4	< 2.5	< 2.5
Total Arsenic	6.7	7.1	7.7	3.0
Dissolved Arsenic	< 10.0	< 10.0	< 10.0	< 10.0
Barium	0.079	0.140	0.140	0.110
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. Turbidity-Lab Error

Reviewed by: [Signature] Title: Technical Manager Date: 07/01/2020

Approved by: [Signature] Title: Laboratory Manager Date: 7/1/20



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Monthly Mineral Analyses
Date of Sample: June 16, 2020

Parameter	Stevens Treated (Plant #1)	Stevens Treated (Plant #2)	Distribution System Equivalent
Aluminum	0.23	0.17	0.21
Sodium	65.3	63.9	64.3
Iron	< 0.007	< 0.007	< 0.007
Manganese	< 0.0005	0.002	0.001
Copper	0.003	< 0.002	< 0.002
Lead	< 0.0005	< 0.0005	< 0.0005
Bromide	0.24	0.25	0.24
Conductivity	730	708	700
Total Alkalinity	150	135	145
Calcium	85	82	58
Chloride	89.1	86.0	83.8
Fluoride	0.70	0.55	0.68
Total Hardness	176	188	204
pH	7.99	7.92	8.06
Silica, Dissolved	13.9	13.4	13.7
Sulfate	71.5	72.9	66.9
Turbidity	-	-	-
Dissolved Solids	411	377	380
Suspended Solids	< 2	< 2	< 2
Nitrate	0.32	0.33	0.37
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. Turbidity-Lab Error

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