



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: October 16, 2018

Parameter	Choke Canyon	Lake CC	Stevens Intake	Mary Rhodes Pipeline
Aluminum	0.482	1.26	0.919	0.676
Sodium	93.2	51.1	59.8	15.2
Iron	0.271	0.858	0.551	0.458
Manganese	0.018	0.023	0.019	0.017
Copper	< 0.002	< 0.002	< 0.002	0.0003
Lead	< 0.002	< 0.002	< 0.002	< 0.002
Bromide	0.80	0.32	0.34	0.08
Conductivity	906	697	730	293
Total Alkalinity	148	171	182	96
Calcium	66	66	67	32
Chloride	127	64	78	23
Fluoride	0.28	0.28	0.26	0.19
Total Hardness	196	192	236	132
pH	8.06	8.20	7.95	7.92
Silica, Dissolved*	29.5	41.7	30.6	16.5
Sulfate	58	32	37	8.3
Turbidity	12	31	21	25
Dissolved Solids	478	425	424	153
Suspended Solids	6	13	6	9
Nitrate	0.19	0.16	0.23	0.13
Nitrite	< 0.02	< 0.02	< 0.02	< 0.02
Ortho Phosphorous	0.06	0.32	0.32	0.13
Atrazine	< 0.05	< 0.05	< 0.05	0.06
Total Arsenic	11.6	9.51	10.0	2.55
Dissolved Arsenic	8.87	9.22	9.97	2.58
Barium	0.117	0.118	0.125	0.097
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

Reviewed by:  Title: Quality Assurance Officer Date: 11-8-18

Approved by:  Title: Laboratory Manager Date: 11/08/2018



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Monthly Mineral Analyses
Date of Sample October 16, 2018

Parameter	Stevens Treated (Plant #1)	Stevens Treated (Plant #2)	Distribution System Equivalent
Aluminum	0.237	0.230	0.192
Sodium	61.0	59.9	63.0
Iron	< 0.02	< 0.02	< 0.02
Manganese	< 0.002	< 0.002	< 0.002
Copper	< 0.002	< 0.002	< 0.002
Lead	< 0.002	< 0.002	< 0.002
Bromide	0.17	0.17	0.20
Conductivity	623	614	655
Total Alkalinity	130	124	133
Calcium	51	54	67
Chloride	55	53	58
Fluoride	0.77	0.66	0.60
Total Hardness	192	156	180
pH	7.90	7.97	7.92
Silica, Dissolved*	18.1	18.6	18.9
Sulfate	63	63	65
Turbidity	0.05	0.10	0.10
Dissolved Solids	326	340	339
Suspended Solids	< 2	< 2	< 2
Nitrate	0.20	0.18	0.20
Nitrite	< 0.02	< 0.02	< 0.02
Ortho Phosphorous	< 0.03	< 0.03	< 0.03

Results expressed in mg/L, except as follows: Conductivity - umhos/cm, pH - SU, and Turbidity - NTU.

Reviewed by:  Title: Quality Assurance Officer Date: 11-8-18
 Approved by:  Title: Laboratory Manager Date: 11/08/2018