



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: March 13, 2018

Parameter	Choke Canyon	Lake CC	Stevens Intake	Mary Rhodes Pipeline
Aluminum	0.358	1.01	0.642	1.81
Sodium	110	54.2	158	7.86
Iron	0.203	0.652	0.446	1.74
Manganese	0.016	0.022	0.038	0.037
Copper	<0.002	<0.002	<0.002	<0.002
Lead	<0.002	<0.002	<0.002	<0.002
Bromide	0.78	0.31	0.93	0.05
Conductivity	1021	731	1492	220
Total Alkalinity	158	194	205	82
Calcium	111	120	119	27
Chloride	146	71	277	11
Fluoride	0.40	0.28	0.41	0.19
Total Hardness	196	316	368	148
pH	8.57	8.55	8.01	8.00
Silica, Dissolved*	25.9	33.2	32.3	26.5
Sulfate	63	34	85	3.6
Turbidity	11	26	14	45
Dissolved Solids	569	440	857	176
Suspended Solids	10	10	6	13
Nitrate	0.07	0.09	0.65	0.35
Nitrite	< 0.02	< 0.02	< 0.02	< 0.02
Ortho Phosphorous	< 0.03	0.25	0.25	0.16
Atrazine	<0.05	<0.05	0.056	<0.05
Total Arsenic	8.78	8.89	7.98	2.14
Dissolved Arsenic	8.32	6.52	7.72	2.88
Barium	0.13	0.15	0.17	0.08
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: [Signature] Title: Quality Assurance Officer Date: 4-3-2018

Approved by: [Signature] Title: Laboratory Manager Date: 4/3/2018



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Monthly Mineral Analyses

Date of Sample March 13, 2018

Parameter	Stevens Treated (Plant #1)	Stevens Treated (Plant #2)	Distribution System Equivalent
Aluminum	0.195	0.170	0.159
Sodium	112	115	118
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	0.32	0.37	0.38
Conductivity	1019	1077	1090
Total Alkalinity	138	139	139
Calcium	79	83	70
Chloride	159	155	171
Fluoride	0.95	0.83	0.81
Total Hardness	284	272	248
pH	8.07	8.13	8.09
Silica, Dissolved*	19.1	19.2	20.7
Sulfate	84	86	92
Turbidity	0.20	0.40	0.05
Dissolved Solids	568	582	599
Suspended Solids	< 2	< 2	< 2
Nitrate	0.62	0.42	0.62
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: 4-3-2018

Approved by:  Title: Laboratory Manager Date: 4/3/2018