



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: December 6, 2016

Parameter	Choke Canyon	Lake CC	Stevens Intake	Lake Texana
Aluminum	0.550	0.807	1.55	2.37
Sodium	84.3	50.6	112	19.0
Iron	0.293	0.471	0.895	1.59
Manganese	0.019	0.024	0.042	0.048
Copper	< 0.002	< 0.002	0.003	0.005
Lead	< 0.002	< 0.002	< 0.002	< 0.002
Bromide	0.56	0.28	0.72	0.12
Conductivity	774	635	1056	317
Total Alkalinity	145	188	185	103
Calcium	56	78	91	38
Chloride	112.9	65.2	183.2	22.0
Fluoride	0.19	0.17	0.16	0.17
Total Hardness	180	200	260	92
pH	8.26	8.47	7.94	7.95
Silica, Dissolved*	25.0	28.5	28.0	16.5
Sulfate	51.4	30.6	61.7	17.0
Turbidity	12	17	31	45
Dissolved Solids	473	405	670	230
Suspended Solids	9	11	24	27
Nitrate	0.18	0.15	0.23	0.45
Nitrite	< 0.02	< 0.02	< 0.02	< 0.02
Ortho Phosphorous	< 0.03	0.14	0.15	0.14
Atrazine	< 0.05	< 0.05	< 0.05	< 0.05
Total Arsenic	7.35	5.22	6.97	2.76
Dissolved Arsenic	5.89	5.35	6.0	2.04
Barium	0.099	0.118	0.138	0.105
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

* Calculation based on conversion from Silicon to Silica

Approved by: MB Juarez Title: Lab Manager Date: 12-19-16



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Monthly Mineral Analyses

Date of Sample December 6, 2016

Parameter	Stevens Treated (Plant #1)	Stevens Treated (Plant #2)	Distribution System Equivalent
Aluminum	0.157	0.150	0.142
Sodium	75.0	73.9	64.3
Iron	< 0.02	< 0.02	< 0.02
Manganese	0.005	< 0.002	< 0.002
Copper	< 0.002	< 0.002	< 0.002
Lead	< 0.002	< 0.002	< 0.002
Bromide	0.21	0.27	0.22
Conductivity	683	682	668
Total Alkalinity	110	114	128
Calcium	54	54	54
Chloride	98.0	96.7	84.6
Fluoride	0.51	0.18	0.45
Total Hardness	160	156	168
pH	7.68	8.24	7.99
Silica, Dissolved*	16.5	16.2	18.3
Sulfate	58.7	57.8	53.4
Turbidity	0.2	0.1	0.15
Dissolved Solids	405	405	407
Suspended Solids	< 2	< 2	< 2
Nitrate	0.38	0.40	0.38
Nitrite	0.04	0.05	< 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.

* Calculation based on conversion from Silicon to Silica

Approved by: MJ Juarez Title: Lab Manager Date: 12-19-16