



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
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Monthly Mineral Analyses
Date of Sample: November 13, 2018

Parameter	Choke Canyon	Lake CC	Stevens Intake	Mary Rhodes Pipeline
Aluminum	0.261	1.46	1.87	1.70
Sodium	68.1	21.0	30.0	13.6
Iron	0.19	0.99	1.01	1.26
Manganese	0.009	0.022	0.028	0.023
Copper	< 0.002	< 0.002	0.009	< 0.002
Lead	< 0.002	< 0.002	0.008	< 0.002
Bromide	0.57	0.10	0.10	0.05
Conductivity	741	418	444	196
Total Alkalinity	152	160	163	72
Calcium	54	60	55	33
Chloride	99	24	30	15
Fluoride	0.24	0.17	0.18	0.18
Total Hardness	184	168	164	80
pH	8.00	8.10	7.87	7.70
Silica, Dissolved*	30.2	32.5	35.3	34.9
Sulfate	49.3	14.9	17.4	5.0
Turbidity	8.5	37	36	55
Dissolved Solids	417	281	275	161
Suspended Solids	11	13	12	8
Nitrate	0.22	0.18	0.24	0.18
Nitrite	< 0.02	0.04	< 0.02	< 0.02
Ortho Phosphorous	0.08	0.20	0.23	0.13
Atrazine	< 0.05	< 0.05	< 0.05	0.061
Total Arsenic	6.77	4.48	5.47	2.74
Dissolved Arsenic	6.61	3.72	4.32	2.86
Barium	0.092	0.094	0.099	0.074
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: 12-06-18

Approved by: [Signature] Title: Laboratory Manager Date: 12/6/18



Monthly Mineral Analyses
Date of Sample November 13, 2018

Parameter	Stevens Treated (Plant #1)	Stevens Treated (Plant #2)	Distribution System Equivalent
Aluminum	0.183	0.165	0.203
Sodium	39.4	39.6	46.0
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	0.08	0.08	0.09
Conductivity	449	415	446
Total Alkalinity	105	102	104
Calcium	41	39	41
Chloride	30	30	74
Fluoride	0.62	0.53	0.64
Total Hardness	112	116	104
pH	7.70	7.69	7.70
Silica, Dissolved*	15.9	16.4	14.7
Sulfate	54.2	49.3	101.3
Turbidity	0.10	0.10	0.15
Dissolved Solids	238	258	242
Suspended Solids	< 2	< 2	< 2
Nitrate	0.24	0.24	0.34
Nitrite	0.03	0.03	< 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.

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Reviewed by: Jay B. De Title: Quality Assurance Officer Date: 12-06-18
Approved by: M. B. Juarez Title: Laboratory Manager Date: 12/6/18