



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 12, 2018

| Parameter | Choke Canyon | Lake CC | Stevens Intake | Mary Rhodes Pipeline |
|--------------------|--------------|----------|----------------|----------------------|
| Aluminum | 0.083 | 0.268 | 0.577 | 0.489 |
| Sodium | 106 | 57.5 | 92.3 | 10.4 |
| Iron | 0.044 | 0.156 | 0.359 | 0.361 |
| Manganese | 0.016 | 0.027 | 0.033 | 0.020 |
| Copper | < 0.002 | < 0.002 | 0.002 | < 0.002 |
| Lead | < 0.002 | < 0.002 | < 0.002 | < 0.002 |
| Bromide | 0.87 | 0.32 | 0.57 | 0.08 |
| Conductivity | 1066 | 807 | 1047 | 254 |
| Total Alkalinity | 158 | 208 | 216 | 99 |
| Calcium | 70 | 82 | 93 | 35 |
| Chloride | 173 | 90 | 156 | 1.17 |
| Fluoride | 0.32 | 0.28 | 0.27 | 0.20 |
| Total Hardness | 192 | 236 | 264 | 92 |
| pH | 8.55 | 8.53 | 8.44 | 8.22 |
| Silica, Dissolved* | 25.9 | 29.3 | 35.3 | 15.6 |
| Sulfate | 77 | 44 | 62 | 5.5 |
| Turbidity | 8.0 | 23 | 15 | 19 |
| Dissolved Solids | 584 | 478 | 603 | 161 |
| Suspended Solids | 7 | 6 | 6 | 5 |
| Nitrate | 0.08 | 0.20 | 0.21 | 0.14 |
| Nitrite | < 0.02 | < 0.02 | < 0.02 | < 0.02 |
| Ortho Phosphorous | < 0.03 | 0.34 | 0.34 | 0.14 |
| Atrazine | < 0.05 | < 0.05 | < 0.05 | 0.086 |
| Total Arsenic | 10.7 | 11.2 | 10.2 | 2.56 |
| Dissolved Arsenic | 10.7 | 10.4 | 10.7 | 2.85 |
| Barium | 0.11 | 0.14 | 0.14 | 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: 7-5-18

Approved by: [Signature] Title: Laboratory Manager Date: 7/5/18



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Monthly Mineral Analyses
Date of Sample June 12, 2018

| Parameter | Stevens Treated (Plant #1) | Stevens Treated (Plant #2) | Distribution System Equivalent |
|--------------------|-------------------------------|-------------------------------|-----------------------------------|
| Aluminum | 0.213 | 0.174 | 0.173 |
| Sodium | 80.9 | 79.6 | 80.1 |
| 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 | 0.33 | 0.32 | 0.32 |
| Conductivity | 896 | 888 | 940 |
| Total Alkalinity | 164 | 156 | 164 |
| Calcium | 72 | 66 | 69 |
| Chloride | 117 | 118 | 126 |
| Fluoride | 0.75 | 0.84 | 0.76 |
| Total Hardness | 200 | 188 | 208 |
| pH | 8.31 | 8.28 | 8.23 |
| Silica, Dissolved* | 20.8 | 20.8 | 22.2 |
| Sulfate | 83 | 88 | 88 |
| Turbidity | 0.40 | 0.15 | 0.20 |
| Dissolved Solids | 486 | 491 | 514 |
| Suspended Solids | < 2 | < 2 | < 2 |
| Nitrate | 0.21 | 0.20 | 0.25 |
| 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.

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 Approved by: [Signature] Title: Laboratory Manager Date: 7/5/18