



P.O. Box 631375 Nacogdoches Tx 75963  
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18 July 2022

Robert Whitehead  
Caro WSC  
3947 State Hwy 204  
Nacogdoches, TEXAS 75964

RE: Caro WSC WQP

Enclosed are the results of analyses for samples received by the laboratory on 06/21/22 10:20, with Lab ID Number N2F1181. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

---

Paul D. Hughes  
Laboratory Director



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Caro WSC  
3947 State Hwy 204  
Nacogdoches TEXAS, 75964

TCEQ Report ID: **PWS\_TX1740007\_AC\_20220621\_WQP Analysis Report**

Project: Caro WSC WQP  
Laboratory Sample ID: **N2F1181-01**  
Sampling Point: EWQP  
Sample Location: Plant 3  
State Assigned ID: PBCU002

Sample Received Date and Time: 06/21/2022 10:20  
Sample Date and Time: 06/21/2022 09:10  
Sample Matrix: Drinking  
Sample Type: Grab  
Collector: Paul Hughes

| Analyte                                              | Result | Reporting Limit | Units                   | Nelac Status | Batch   | Analyzed   | Analyst | Method        | Notes |
|------------------------------------------------------|--------|-----------------|-------------------------|--------------|---------|------------|---------|---------------|-------|
| <b>Eastex Environmental Laboratory - Coldspring</b>  |        |                 |                         |              |         |            |         |               |       |
| Calcium, Total                                       | 2.25   | 0.500           | mg/L                    | P            | B2G0181 | 07/05/2022 | LAN     | EPA 200.7     |       |
| Chloride                                             | 11.7   | 5.0             | mg/L                    | A            | B2F3798 | 06/30/2022 | TDS     | EPA 300.0     | Cs    |
| Iron, Total                                          | <0.150 | 0.150           | mg/L                    | A            | B2G0181 | 07/05/2022 | LAN     | EPA 200.7     |       |
| Manganese, Total                                     | 0.0116 | 0.0100          | mg/L                    | A            | B2G0181 | 07/05/2022 | LAN     | EPA 200.7     |       |
| Sodium, Total                                        | 113    | 0.500           | mg/L                    | A            | B2G0181 | 07/05/2022 | LAN     | EPA 200.7     |       |
| Sulfate                                              | 20.0   | 4.0             | mg/L                    | A            | B2F3798 | 06/30/2022 | TDS     | EPA 300.0     | Cs    |
| <b>Eastex Environmental Laboratory - Nacogdoches</b> |        |                 |                         |              |         |            |         |               |       |
| pH                                                   | 8.4    |                 | std unit                | P            | N204631 | 06/21/2022 | PDH     | SM 4500 H + B |       |
| Temp                                                 | 26     |                 | degrees C               | P            | N204631 | 06/21/2022 | PDH     | SM 2550       |       |
| Alkalinity                                           | 230    | 20              | mg CaCO <sub>3</sub> /L | P            | N204637 | 06/21/2022 | SRD     | SM 2320 B     |       |
| Conductivity                                         | 505    | 10              | µmhos/cm @25C           | A            | N204713 | 06/22/2022 | SRD     | SM 2510 B     |       |
| Hardness                                             | 8.00   | 5.00            | mg CaCO <sub>3</sub> /L | A            | N204643 | 06/21/2022 | CES     | SM 2340 C     |       |
| TDS                                                  | 304    | 10.0            | mg/L                    | A            | N204665 | 06/22/2022 | RWC     | SM 2540 C     |       |

\*NELAC Status: A=Accredited, N=Accreditation not offered, O=Not Accredited, P=Approved

Eastex Environmental Laboratory - Nacogdoches

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Caro WSC  
3947 State Hwy 204  
Nacogdoches TEXAS, 75964

Project: Caro WSC WQP  
Laboratory Sample ID: N2F1181-02  
Sampling Point: DSTWQP  
Sample Location: 1071 FM 2664  
State Assigned ID: DS01

TCEQ Report ID: PWS\_TX1740007\_AC\_20220621\_WQP Analysis Report

Sample Received Date and Time: 06/21/2022 10:20  
Sample Date and Time: 06/21/2022 09:20  
Sample Matrix: Drinking  
Sample Type: Grab  
Collector: Paul Hughes

| Analyte                                              | Result | Reporting Limit | Units         | Nelac Status | Batch   | Analyzed   | Analyst | Method        | Notes |
|------------------------------------------------------|--------|-----------------|---------------|--------------|---------|------------|---------|---------------|-------|
| <b>Eastex Environmental Laboratory - Coldspring</b>  |        |                 |               |              |         |            |         |               |       |
| Calcium, Total                                       | 4.87   | 0.500           | mg/L          | P            | B2G0181 | 07/05/2022 | LAN     | EPA 200.7     |       |
| Chloride                                             | 23.7   | 5.0             | mg/L          | A            | B2F3799 | 07/06/2022 | TDS     | EPA 300.0     | Cs    |
| Iron, Total                                          | <0.150 | 0.150           | mg/L          | A            | B2G0181 | 07/05/2022 | LAN     | EPA 200.7     |       |
| Manganese, Total                                     | 0.0140 | 0.0100          | mg/L          | A            | B2G0181 | 07/05/2022 | LAN     | EPA 200.7     |       |
| Sodium, Total                                        | 126    | 0.500           | mg/L          | A            | B2G0181 | 07/05/2022 | LAN     | EPA 200.7     |       |
| Sulfate                                              | 37.4   | 4.0             | mg/L          | A            | B2F3799 | 07/06/2022 | TDS     | EPA 300.0     | Cs    |
| <b>Eastex Environmental Laboratory - Nacogdoches</b> |        |                 |               |              |         |            |         |               |       |
| pH                                                   | 8.2    |                 | std unit      | P            | N204631 | 06/21/2022 | PDH     | SM 4500 H + B |       |
| Temp                                                 | 27.9   |                 | degrees C     | P            | N204631 | 06/21/2022 | PDH     | SM 2550       |       |
| Alkalinity                                           | 204    | 20              | mg CaCO3/L    | P            | N204637 | 06/21/2022 | SRD     | SM 2320 B     |       |
| Conductivity                                         | 584    | 10              | µmhos/cm @25C | A            | N204713 | 06/22/2022 | SRD     | SM 2510 B     |       |
| Hardness                                             | 16.0   | 5.00            | mg CaCO3/L    | A            | N204643 | 06/21/2022 | CES     | SM 2340 C     |       |
| TDS                                                  | 372    | 10.0            | mg/L          | A            | N204665 | 06/22/2022 | RWC     | SM 2540 C     |       |

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Eastex Environmental Laboratory - Nacogdoches

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Caro WSC  
3947 State Hwy 204  
Nacogdoches TEXAS, 75964

Project: Caro WSC WQP  
Laboratory Sample ID: N2F1181-03  
Sampling Point: EWQP  
Sample Location: Plant 5 2280 CR 140  
State Assigned ID: PBCU003

TCEQ Report ID: PWS\_TX1740007\_AC\_20220621\_WQP Analysis Report

Sample Received Date and Time: 06/21/2022 10:20  
Sample Date and Time: 06/21/2022 09:40  
Sample Matrix: Drinking  
Sample Type: Grab  
Collector: Paul Hughes

| Analyte                                              | Result | Reporting Limit | Units                   | Nelac Status | Batch   | Analyzed   | Analyst | Method        | Notes |
|------------------------------------------------------|--------|-----------------|-------------------------|--------------|---------|------------|---------|---------------|-------|
| <b>Eastex Environmental Laboratory - Coldspring</b>  |        |                 |                         |              |         |            |         |               |       |
| Calcium, Total                                       | 4.78   | 0.500           | mg/L                    | P            | B2G0181 | 07/05/2022 | LAN     | EPA 200.7     |       |
| Chloride                                             | 23.5   | 5.0             | mg/L                    | A            | B2F3799 | 07/06/2022 | TDS     | EPA 300.0     | Cs    |
| Iron, Total                                          | <0.150 | 0.150           | mg/L                    | A            | B2G0181 | 07/05/2022 | LAN     | EPA 200.7     |       |
| Manganese, Total                                     | 0.0165 | 0.0100          | mg/L                    | A            | B2G0181 | 07/05/2022 | LAN     | EPA 200.7     |       |
| Sodium, Total                                        | 122    | 0.500           | mg/L                    | A            | B2G0181 | 07/05/2022 | LAN     | EPA 200.7     |       |
| Sulfate                                              | 38.4   | 4.0             | mg/L                    | A            | B2F3799 | 07/06/2022 | TDS     | EPA 300.0     | Cs    |
| <b>Eastex Environmental Laboratory - Nacogdoches</b> |        |                 |                         |              |         |            |         |               |       |
| pH                                                   | 8.4    |                 | std unit                | P            | N204631 | 06/21/2022 | PDH     | SM 4500 H + B |       |
| Temp                                                 | 26.2   |                 | degrees C               | P            | N204631 | 06/21/2022 | PDH     | SM 2550       |       |
| Alkalinity                                           | 202    | 20              | mg CaCO <sub>3</sub> /L | P            | N204637 | 06/21/2022 | SRD     | SM 2320 B     |       |
| Conductivity                                         | 592    | 10              | µmhos/cm @25C           | A            | N204713 | 06/22/2022 | SRD     | SM 2510 B     |       |
| Hardness                                             | 16.0   | 5.00            | mg CaCO <sub>3</sub> /L | A            | N204643 | 06/21/2022 | CES     | SM 2340 C     |       |
| TDS                                                  | 370    | 10.0            | mg/L                    | A            | N204665 | 06/22/2022 | RWC     | SM 2540 C     |       |

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Eastex Environmental Laboratory - Nacogdoches

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Caro WSC  
3947 State Hwy 204  
Nacogdoches TEXAS, 75964

Project: Caro WSC WQP  
Laboratory Sample ID: N2F1181-04  
Sampling Point: DSTWQP  
Sample Location: 221 CR 140  
State Assigned ID: DS01

TCEQ Report ID: PWS\_TX1740007\_AC\_20220621\_WQP Analysis Report

Sample Received Date and Time: 06/21/2022 10:20  
Sample Date and Time: 06/21/2022 09:50  
Sample Matrix: Drinking  
Sample Type: Grab  
Collector: Paul Hughes

| Analyte                                              | Result  | Reporting Limit | Units         | Nelac Status | Batch   | Analyzed   | Analyst | Method        | Notes |
|------------------------------------------------------|---------|-----------------|---------------|--------------|---------|------------|---------|---------------|-------|
| <b>Eastex Environmental Laboratory - Coldspring</b>  |         |                 |               |              |         |            |         |               |       |
| Calcium, Total                                       | 3.14    | 0.500           | mg/L          | P            | B2G0181 | 07/05/2022 | LAN     | EPA 200.7     |       |
| Chloride                                             | 15.8    | 5.0             | mg/L          | A            | B2F3799 | 07/06/2022 | TDS     | EPA 300.0     | Cs    |
| Iron, Total                                          | <0.150  | 0.150           | mg/L          | A            | B2G0181 | 07/05/2022 | LAN     | EPA 200.7     |       |
| Manganese, Total                                     | <0.0100 | 0.0100          | mg/L          | A            | B2G0181 | 07/05/2022 | LAN     | EPA 200.7     |       |
| Sodium, Total                                        | 113     | 0.500           | mg/L          | A            | B2G0181 | 07/05/2022 | LAN     | EPA 200.7     |       |
| Sulfate                                              | 25.5    | 4.0             | mg/L          | A            | B2F3799 | 07/06/2022 | TDS     | EPA 300.0     | Cs    |
| <b>Eastex Environmental Laboratory - Nacogdoches</b> |         |                 |               |              |         |            |         |               |       |
| pH                                                   | 8.3     |                 | std unit      | P            | N204631 | 06/21/2022 | PDH     | SM 4500 H + B |       |
| Temp                                                 | 29      |                 | degrees C     | P            | N204631 | 06/21/2022 | PDH     | SM 2550       |       |
| Alkalinity                                           | 216     | 20              | mg CaCO3/L    | P            | N204637 | 06/21/2022 | SRD     | SM 2320 B     |       |
| Conductivity                                         | 525     | 10              | µmhos/cm @25C | A            | N204713 | 06/22/2022 | SRD     | SM 2510 B     |       |
| Hardness                                             | 10.0    | 5.00            | mg CaCO3/L    | A            | N204643 | 06/21/2022 | CES     | SM 2340 C     |       |
| TDS                                                  | 354     | 10.0            | mg/L          | A            | N204665 | 06/22/2022 | RWC     | SM 2540 C     |       |

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Caro WSC  
3947 State Hwy 204  
Nacogdoches TEXAS, 75964

Project: Caro WSC WQP  
Laboratory Sample ID: N2F1181-05  
Sampling Point: EWQP  
Sample Location: Plant 1  
State Assigned ID: PBCU001

TCEQ Report ID: PWS\_TX1740007\_AC\_20220621\_WQP Analysis Report

Sample Received Date and Time: 06/21/2022 10:20  
Sample Date and Time: 06/21/2022 09:15  
Sample Matrix: Drinking  
Sample Type: Grab  
Collector: Paul Hughes

| Analyte                                              | Result  | Reporting Limit | Units         | Nelac Status | Batch   | Analyzed   | Analyst | Method        | Notes |
|------------------------------------------------------|---------|-----------------|---------------|--------------|---------|------------|---------|---------------|-------|
| <b>Eastex Environmental Laboratory - Coldspring</b>  |         |                 |               |              |         |            |         |               |       |
| Calcium, Total                                       | 2.17    | 0.500           | mg/L          | P            | B2G0181 | 07/05/2022 | LAN     | EPA 200.7     |       |
| Chloride                                             | 12.3    | 5.0             | mg/L          | A            | B2F3799 | 07/06/2022 | TDS     | EPA 300.0     | Cs    |
| Iron, Total                                          | <0.150  | 0.150           | mg/L          | A            | B2G0181 | 07/05/2022 | LAN     | EPA 200.7     |       |
| Manganese, Total                                     | <0.0100 | 0.0100          | mg/L          | A            | B2G0181 | 07/05/2022 | LAN     | EPA 200.7     |       |
| Sodium, Total                                        | 105     | 0.500           | mg/L          | A            | B2G0181 | 07/05/2022 | LAN     | EPA 200.7     |       |
| Sulfate                                              | 25.6    | 4.0             | mg/L          | A            | B2F3799 | 07/06/2022 | TDS     | EPA 300.0     | Cs    |
| <b>Eastex Environmental Laboratory - Nacogdoches</b> |         |                 |               |              |         |            |         |               |       |
| pH                                                   | 8.4     |                 | std unit      | P            | N204631 | 06/21/2022 | PDH     | SM 4500 H + B |       |
| Temp                                                 | 26.7    |                 | degrees C     | P            | N204631 | 06/21/2022 | PDH     | SM 2550       |       |
| Alkalinity                                           | 189     | 20              | mg CaCO3/L    | P            | N204637 | 06/21/2022 | SRD     | SM 2320 B     |       |
| Conductivity                                         | 470     | 10              | µmhos/cm @25C | A            | N204713 | 06/22/2022 | SRD     | SM 2510 B     |       |
| Hardness                                             | 8.00    | 5.00            | mg CaCO3/L    | A            | N204643 | 06/21/2022 | CES     | SM 2340 C     |       |
| TDS                                                  | 304     | 10.0            | mg/L          | A            | N204665 | 06/22/2022 | RWC     | SM 2540 C     |       |

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Caro WSC  
3947 State Hwy 204  
Nacogdoches TEXAS, 75964

Project: Caro WSC WQP  
Laboratory Sample ID: N2F1181-06  
Sampling Point: DSTWQP  
Sample Location: 4922 FM 2864  
State Assigned ID: DS01

TCEQ Report ID: PWS\_TX1740007\_AC\_20220621\_WQP Analysis Report

Sample Received Date and Time: 06/21/2022 10:20  
Sample Date and Time: 06/21/2022 09:30  
Sample Matrix: Drinking  
Sample Type: Grab  
Collector: Paul Hughes

| Analyte                                              | Result | Reporting Limit | Units                   | Nelac Status | Batch   | Analyzed   | Analyst | Method        | Notes |
|------------------------------------------------------|--------|-----------------|-------------------------|--------------|---------|------------|---------|---------------|-------|
| <b>Eastex Environmental Laboratory - Coldspring</b>  |        |                 |                         |              |         |            |         |               |       |
| Calcium, Total                                       | 4.88   | 0.500           | mg/L                    | P            | B2G0181 | 07/05/2022 | LAN     | EPA 200.7     |       |
| Chloride                                             | 24.2   | 5.0             | mg/L                    | A            | B2F3799 | 07/06/2022 | TDS     | EPA 300.0     | Cs    |
| Iron, Total                                          | <0.150 | 0.150           | mg/L                    | A            | B2G0181 | 07/05/2022 | LAN     | EPA 200.7     |       |
| Manganese, Total                                     | 0.0153 | 0.0100          | mg/L                    | A            | B2G0181 | 07/05/2022 | LAN     | EPA 200.7     |       |
| Sodium, Total                                        | 125    | 0.500           | mg/L                    | A            | B2G0181 | 07/05/2022 | LAN     | EPA 200.7     |       |
| Sulfate                                              | 39.2   | 4.0             | mg/L                    | A            | B2F3799 | 07/06/2022 | TDS     | EPA 300.0     | Cs    |
| <b>Eastex Environmental Laboratory - Nacogdoches</b> |        |                 |                         |              |         |            |         |               |       |
| pH                                                   | 8.3    |                 | std unit                | P            | N204631 | 06/21/2022 | PDH     | SM 4500 H + B |       |
| Temp                                                 | 26.5   |                 | degrees C               | P            | N204631 | 06/21/2022 | PDH     | SM 2550       |       |
| Alkalinity                                           | 198    | 20              | mg CaCO <sub>3</sub> /L | P            | N204835 | 06/27/2022 | SRD     | SM 2320 B     |       |
| Conductivity                                         | 596    | 10              | µmhos/cm @25C           | A            | N204943 | 06/30/2022 | SRD     | SM 2510 B     |       |
| Hardness                                             | 20.0   | 5.00            | mg CaCO <sub>3</sub> /L | A            | N204643 | 06/21/2022 | CES     | SM 2340 C     |       |
| TDS                                                  | 376    | 10.0            | mg/L                    | A            | N204665 | 06/22/2022 | RWC     | SM 2540 C     |       |

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Eastex Environmental Laboratory - Nacogdoches

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Caro WSC  
3947 State Hwy 204  
Nacogdoches TEXAS, 75964

TCEQ Report ID: PWS\_TX1740007\_AC\_20220621\_WQP Analysis Report

**SM 2320 B - Quality Control**

**Eastex Environmental Laboratory - Nacogdoches**

| Analyte                                | Result | Reporting Limit               | Units      | Spike Level                   | Source Result | %REC | %REC Limits | RPD  | RPD Limit | Notes |
|----------------------------------------|--------|-------------------------------|------------|-------------------------------|---------------|------|-------------|------|-----------|-------|
| <b>Batch N204637 - No Prep</b>         |        |                               |            |                               |               |      |             |      |           |       |
| <b>Blank (N204637-BLK1)</b>            |        | Prepared & Analyzed: 06/21/22 |            |                               |               |      |             |      |           |       |
| Alkalinity                             | ND     | 20                            | mg CaCO3/L |                               |               |      |             |      |           |       |
| <b>LCS (N204637-BS1)</b>               |        | Prepared & Analyzed: 06/21/22 |            |                               |               |      |             |      |           |       |
| Alkalinity                             | 87     |                               | mg CaCO3/L | 100                           |               | 87.0 | 80-120      |      |           |       |
| <b>Duplicate (N204637-DUP1)</b>        |        | <b>Source: N2F0970-02</b>     |            | Prepared & Analyzed: 06/21/22 |               |      |             |      |           |       |
| Alkalinity                             | 308    | 20                            | mg CaCO3/L |                               | 308           |      |             | 0.00 | 20        |       |
| <b>MRL Check (N204637-MRL1)</b>        |        | Prepared & Analyzed: 06/21/22 |            |                               |               |      |             |      |           |       |
| Alkalinity                             | 18     |                               | mg CaCO3/L | 20.0                          |               | 90.0 | 70-130      |      |           |       |
| <b>Batch N204643 - No Prep</b>         |        |                               |            |                               |               |      |             |      |           |       |
| <b>Blank (N204643-BLK1)</b>            |        | Prepared & Analyzed: 06/21/22 |            |                               |               |      |             |      |           |       |
| Hardness                               | ND     | 5.00                          | mg CaCO3/L |                               |               |      |             |      |           |       |
| <b>LCS (N204643-BS1)</b>               |        | Prepared & Analyzed: 06/21/22 |            |                               |               |      |             |      |           |       |
| Hardness                               | 100    |                               | mg CaCO3/L | 100                           |               | 100  | 80-120      |      |           |       |
| <b>MRL Check (N204643-MRL1)</b>        |        | Prepared & Analyzed: 06/21/22 |            |                               |               |      |             |      |           |       |
| Hardness                               | 4.00   |                               | mg CaCO3/L | 4.00                          |               | 100  | 70-130      |      |           |       |
| <b>Matrix Spike (N204643-MS1)</b>      |        | <b>Source: N2F1181-01</b>     |            | Prepared & Analyzed: 06/21/22 |               |      |             |      |           |       |
| Hardness                               | 106    | 5.00                          | mg CaCO3/L | 100                           | 8.00          | 98.0 | 80-120      |      |           |       |
| <b>Matrix Spike Dup (N204643-MSD1)</b> |        | <b>Source: N2F1181-01</b>     |            | Prepared & Analyzed: 06/21/22 |               |      |             |      |           |       |
| Hardness                               | 106    | 5.00                          | mg CaCO3/L | 100                           | 8.00          | 98.0 | 80-120      | 0.00 | 20        |       |

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Tel: 936 569 8879



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3947 State Hwy 204  
Nacogdoches TEXAS, 75964

TCEQ Report ID: **PWS\_TX1740007\_AC\_20220621\_WQP Analysis Report**

**SM 2540 C - Quality Control**

**Eastex Environmental Laboratory - Nacogdoches**

| Analyte                         | Result | Reporting Limit | Units         | Spike Level                                      | Source Result | %REC | %REC Limits | RPD   | RPD Limit | Notes |
|---------------------------------|--------|-----------------|---------------|--------------------------------------------------|---------------|------|-------------|-------|-----------|-------|
| <b>Batch N204665 - No Prep</b>  |        |                 |               |                                                  |               |      |             |       |           |       |
| <b>Blank (N204665-BLK1)</b>     |        |                 |               | Prepared & Analyzed: 06/22/22                    |               |      |             |       |           |       |
| TDS                             | ND     | 10.0            | mg/L          |                                                  |               |      |             |       |           |       |
| <b>LCS (N204665-BS1)</b>        |        |                 |               | Prepared & Analyzed: 06/22/22                    |               |      |             |       |           |       |
| TDS                             | 302    |                 | mg/L          | 300                                              |               | 101  | 80-120      |       |           |       |
| <b>Duplicate (N204665-DUP1)</b> |        |                 |               | Source: N2F1181-01 Prepared & Analyzed: 06/22/22 |               |      |             |       |           |       |
| TDS                             | 306    | 10.0            | mg/L          |                                                  | 304           |      |             | 0.656 | 10        |       |
| <b>MRL Check (N204665-MRL1)</b> |        |                 |               | Prepared & Analyzed: 06/22/22                    |               |      |             |       |           |       |
| TDS                             | 12.0   |                 | mg/L          | 10.0                                             |               | 120  | 70-130      |       |           |       |
| <b>Batch N204713 - No Prep</b>  |        |                 |               |                                                  |               |      |             |       |           |       |
| <b>Blank (N204713-BLK1)</b>     |        |                 |               | Prepared & Analyzed: 06/22/22                    |               |      |             |       |           |       |
| Conductivity                    | ND     | 10              | µmhos/cm @25C |                                                  |               |      |             |       |           |       |
| <b>LCS (N204713-BS1)</b>        |        |                 |               | Prepared & Analyzed: 06/22/22                    |               |      |             |       |           |       |
| Conductivity                    | 101.8  |                 | µmhos/cm @25C | 100                                              |               | 102  | 80-120      |       |           |       |
| <b>Duplicate (N204713-DUP1)</b> |        |                 |               | Source: N2F1183-01 Prepared & Analyzed: 06/22/22 |               |      |             |       |           |       |
| Conductivity                    | 1257   | 10              | µmhos/cm @25C |                                                  | 1242          |      |             | 1.20  | 20        |       |
| <b>MRL Check (N204713-MRL1)</b> |        |                 |               | Prepared & Analyzed: 06/22/22                    |               |      |             |       |           |       |
| Conductivity                    | 10.21  |                 | µmhos/cm @25C | 10.0                                             |               | 102  | 0-200       |       |           |       |
| <b>Batch N204835 - No Prep</b>  |        |                 |               |                                                  |               |      |             |       |           |       |
| <b>Blank (N204835-BLK1)</b>     |        |                 |               | Prepared & Analyzed: 06/27/22                    |               |      |             |       |           |       |
| Alkalinity                      | ND     | 20              | mg CaCO3/L    |                                                  |               |      |             |       |           |       |

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Eastex Environmental Laboratory - Nacogdoches

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TCEQ Report ID: PWS\_TX1740007\_AC\_20220621\_WQP Analysis Report

### SM 2320 B - Quality Control

### Eastex Environmental Laboratory - Nacogdoches

| Analyte                         | Result | Reporting Limit | Units                   | Spike Level | Source Result                                    | %REC | %REC Limits | RPD   | RPD Limit | Notes |
|---------------------------------|--------|-----------------|-------------------------|-------------|--------------------------------------------------|------|-------------|-------|-----------|-------|
| <b>Batch N204835 - No Prep</b>  |        |                 |                         |             |                                                  |      |             |       |           |       |
| <b>LCS (N204835-BS1)</b>        |        |                 |                         |             | Prepared & Analyzed: 06/27/22                    |      |             |       |           |       |
| Alkalinity                      | 94     |                 | mg CaCO <sub>3</sub> /L | 100         |                                                  | 94.0 | 80-120      |       |           |       |
| <b>Duplicate (N204835-DUP1)</b> |        |                 |                         |             | Source: N2F0815-01 Prepared & Analyzed: 06/27/22 |      |             |       |           |       |
| Alkalinity                      | 268    | 20              | mg CaCO <sub>3</sub> /L |             | 267                                              |      |             | 0.374 | 20        |       |
| <b>MRL Check (N204835-MRL1)</b> |        |                 |                         |             | Prepared & Analyzed: 06/27/22                    |      |             |       |           |       |
| Alkalinity                      | 19     |                 | mg CaCO <sub>3</sub> /L | 20.0        |                                                  | 95.0 | 70-130      |       |           |       |
| <b>Batch N204943 - No Prep</b>  |        |                 |                         |             |                                                  |      |             |       |           |       |
| <b>Blank (N204943-BLK1)</b>     |        |                 |                         |             | Prepared & Analyzed: 06/30/22                    |      |             |       |           |       |
| Conductivity                    | ND     | 10              | µmhos/cm @25C           |             |                                                  |      |             |       |           |       |
| <b>LCS (N204943-BS1)</b>        |        |                 |                         |             | Prepared & Analyzed: 06/30/22                    |      |             |       |           |       |
| Conductivity                    | 101.6  |                 | µmhos/cm @25C           | 100         |                                                  | 102  | 80-120      |       |           |       |
| <b>Duplicate (N204943-DUP1)</b> |        |                 |                         |             | Source: N2F1216-01 Prepared & Analyzed: 06/30/22 |      |             |       |           |       |
| Conductivity                    | 1715   | 10              | µmhos/cm @25C           |             | 1717                                             |      |             | 0.117 | 20        |       |
| <b>MRL Check (N204943-MRL1)</b> |        |                 |                         |             | Prepared & Analyzed: 06/30/22                    |      |             |       |           |       |
| Conductivity                    | 10.97  |                 | µmhos/cm @25C           | 10.0        |                                                  | 110  | 0-200       |       |           |       |

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Eastex Environmental Laboratory - Nacogdoches

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TCEQ Report ID: PWS\_TX1740007\_AC\_20220621\_WQP Analysis Report

### EPA 300.0 - Quality Control

### Eastex Environmental Laboratory - Coldspring

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

#### Batch B2F3798 - No Prep

##### Blank (B2F3798-BLK1)

Prepared & Analyzed: 06/30/22

|          |    |     |      |
|----------|----|-----|------|
| Chloride | ND | 5.0 | mg/L |
| Sulfate  | ND | 4.0 | mg/L |

##### LCS (B2F3798-BS1)

Prepared & Analyzed: 06/30/22

|          |      |  |      |      |  |      |        |
|----------|------|--|------|------|--|------|--------|
| Chloride | 22.9 |  | mg/L | 25.0 |  | 91.7 | 90-110 |
| Sulfate  | 18.2 |  | mg/L | 20.0 |  | 90.9 | 90-110 |

##### MRL Check (B2F3798-MRL1)

Prepared & Analyzed: 06/30/22

|          |      |     |      |      |  |      |        |
|----------|------|-----|------|------|--|------|--------|
| Chloride | 3.53 | 5.0 | mg/L | 5.00 |  | 70.5 | 70-130 |
| Sulfate  | 2.88 | 4.0 | mg/L | 4.00 |  | 72.1 | 70-130 |

##### Matrix Spike (B2F3798-MS1)

Source: C2F4213-01

Prepared & Analyzed: 06/30/22

|          |      |     |      |     |      |      |        |
|----------|------|-----|------|-----|------|------|--------|
| Chloride | 118  | 5.0 | mg/L | 125 | 3.88 | 91.5 | 80-120 |
| Sulfate  | 99.2 | 4.0 | mg/L | 100 | 5.02 | 94.2 | 80-120 |

##### Matrix Spike Dup (B2F3798-MSD1)

Source: C2F4213-01

Prepared & Analyzed: 06/30/22

|          |      |     |      |     |      |      |        |      |    |
|----------|------|-----|------|-----|------|------|--------|------|----|
| Chloride | 117  | 5.0 | mg/L | 125 | 3.88 | 90.1 | 80-120 | 1.46 | 20 |
| Sulfate  | 93.9 | 4.0 | mg/L | 100 | 5.02 | 88.9 | 80-120 | 5.51 | 20 |

#### Batch B2F3799 - No Prep

##### Blank (B2F3799-BLK1)

Prepared & Analyzed: 07/06/22

|          |    |     |      |
|----------|----|-----|------|
| Chloride | ND | 5.0 | mg/L |
| Sulfate  | ND | 4.0 | mg/L |

##### LCS (B2F3799-BS1)

Prepared & Analyzed: 07/06/22

|          |      |  |      |      |  |      |        |
|----------|------|--|------|------|--|------|--------|
| Chloride | 23.0 |  | mg/L | 25.0 |  | 92.0 | 90-110 |
| Sulfate  | 18.2 |  | mg/L | 20.0 |  | 91.2 | 90-110 |

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Eastex Environmental Laboratory - Nacogdoches

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### EPA 300.0 - Quality Control

### Eastex Environmental Laboratory - Coldspring

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

#### Batch B2F3799 - No Prep

##### MRL Check (B2F3799-MRL1)

Prepared & Analyzed: 07/06/22

|          |      |  |      |      |  |      |        |  |  |  |
|----------|------|--|------|------|--|------|--------|--|--|--|
| Chloride | 3.97 |  | mg/L | 5.00 |  | 79.4 | 70-130 |  |  |  |
| Sulfate  | 3.67 |  | mg/L | 4.00 |  | 91.8 | 70-130 |  |  |  |

##### Matrix Spike (B2F3799-MS1)

Source: N2F1181-02

Prepared & Analyzed: 07/06/22

|          |     |     |      |     |      |      |        |  |  |  |
|----------|-----|-----|------|-----|------|------|--------|--|--|--|
| Chloride | 133 | 5.0 | mg/L | 125 | 23.7 | 87.2 | 80-120 |  |  |  |
| Sulfate  | 129 | 4.0 | mg/L | 100 | 37.4 | 91.5 | 80-120 |  |  |  |

##### Matrix Spike Dup (B2F3799-MSD1)

Source: N2F1181-02

Prepared & Analyzed: 07/06/22

|          |     |     |      |     |      |      |        |        |    |  |
|----------|-----|-----|------|-----|------|------|--------|--------|----|--|
| Chloride | 133 | 5.0 | mg/L | 125 | 23.7 | 87.1 | 80-120 | 0.0336 | 20 |  |
| Sulfate  | 129 | 4.0 | mg/L | 100 | 37.4 | 91.5 | 80-120 | 0.0294 | 20 |  |

#### Batch B2G0181 - EPA 200.7

##### Blank (B2G0181-BLK1)

Prepared: 07/04/22 Analyzed: 07/05/22

|                  |    |        |      |  |  |  |  |  |  |  |
|------------------|----|--------|------|--|--|--|--|--|--|--|
| Calcium, Total   | ND | 0.500  | mg/L |  |  |  |  |  |  |  |
| Iron, Total      | ND | 0.150  | mg/L |  |  |  |  |  |  |  |
| Manganese, Total | ND | 0.0100 | mg/L |  |  |  |  |  |  |  |
| Sodium, Total    | ND | 0.500  | mg/L |  |  |  |  |  |  |  |

##### Blank (B2G0181-BLK2)

Prepared: 07/04/22 Analyzed: 07/05/22

|                  |    |        |      |  |  |  |  |  |  |  |
|------------------|----|--------|------|--|--|--|--|--|--|--|
| Calcium, Total   | ND | 0.500  | mg/L |  |  |  |  |  |  |  |
| Iron, Total      | ND | 0.150  | mg/L |  |  |  |  |  |  |  |
| Manganese, Total | ND | 0.0100 | mg/L |  |  |  |  |  |  |  |
| Sodium, Total    | ND | 0.500  | mg/L |  |  |  |  |  |  |  |

##### Blank (B2G0181-BLK3)

Prepared: 07/04/22 Analyzed: 07/05/22

|                  |    |        |      |  |  |  |  |  |  |  |
|------------------|----|--------|------|--|--|--|--|--|--|--|
| Calcium, Total   | ND | 0.500  | mg/L |  |  |  |  |  |  |  |
| Iron, Total      | ND | 0.150  | mg/L |  |  |  |  |  |  |  |
| Manganese, Total | ND | 0.0100 | mg/L |  |  |  |  |  |  |  |
| Sodium, Total    | ND | 0.500  | mg/L |  |  |  |  |  |  |  |

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Eastex Environmental Laboratory - Nacogdoches

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### EPA 200.7 - Quality Control

### Eastex Environmental Laboratory - Coldspring

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

#### Batch B2G0181 - EPA 200.7

##### LCS (B2G0181-BS1)

Prepared: 07/04/22 Analyzed: 07/05/22

|                  |       |        |      |       |  |      |        |
|------------------|-------|--------|------|-------|--|------|--------|
| Calcium, Total   | 23.5  | 0.500  | mg/L | 25.0  |  | 94.0 | 85-115 |
| Iron, Total      | 0.243 | 0.150  | mg/L | 0.250 |  | 97.2 | 85-115 |
| Manganese, Total | 0.249 | 0.0100 | mg/L | 0.250 |  | 99.6 | 85-115 |
| Sodium, Total    | 23.8  | 0.500  | mg/L | 25.0  |  | 95.2 | 85-115 |

##### LCS (B2G0181-BS2)

Prepared: 07/04/22 Analyzed: 07/05/22

|                  |       |        |      |       |  |      |        |
|------------------|-------|--------|------|-------|--|------|--------|
| Calcium, Total   | 23.0  | 0.500  | mg/L | 25.0  |  | 92.0 | 85-115 |
| Iron, Total      | 0.238 | 0.150  | mg/L | 0.250 |  | 95.2 | 85-115 |
| Manganese, Total | 0.245 | 0.0100 | mg/L | 0.250 |  | 98.0 | 85-115 |
| Sodium, Total    | 23.0  | 0.500  | mg/L | 25.0  |  | 92.0 | 85-115 |

##### LCS (B2G0181-BS3)

Prepared: 07/04/22 Analyzed: 07/05/22

|                  |       |        |      |       |  |      |        |
|------------------|-------|--------|------|-------|--|------|--------|
| Calcium, Total   | 22.5  | 0.500  | mg/L | 25.0  |  | 90.0 | 85-115 |
| Iron, Total      | 0.244 | 0.150  | mg/L | 0.250 |  | 97.6 | 85-115 |
| Manganese, Total | 0.247 | 0.0100 | mg/L | 0.250 |  | 98.8 | 85-115 |
| Sodium, Total    | 22.5  | 0.500  | mg/L | 25.0  |  | 90.0 | 85-115 |

##### MRL Check (B2G0181-MRL1)

Prepared: 07/04/22 Analyzed: 07/05/22

|                  |         |  |      |        |  |      |        |
|------------------|---------|--|------|--------|--|------|--------|
| Calcium, Total   | 0.474   |  | mg/L | 0.500  |  | 94.8 | 70-130 |
| Iron, Total      | 0.141   |  | mg/L | 0.150  |  | 94.0 | 70-130 |
| Manganese, Total | 0.00991 |  | mg/L | 0.0100 |  | 99.1 | 70-130 |
| Sodium, Total    | 0.575   |  | mg/L | 0.500  |  | 115  | 70-130 |

##### MRL Check (B2G0181-MRL2)

Prepared: 07/04/22 Analyzed: 07/05/22

|                  |         |  |      |        |  |      |        |
|------------------|---------|--|------|--------|--|------|--------|
| Calcium, Total   | 0.471   |  | mg/L | 0.500  |  | 94.2 | 70-130 |
| Iron, Total      | 0.140   |  | mg/L | 0.150  |  | 93.3 | 70-130 |
| Manganese, Total | 0.00986 |  | mg/L | 0.0100 |  | 98.6 | 70-130 |
| Sodium, Total    | 0.565   |  | mg/L | 0.500  |  | 113  | 70-130 |

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Eastex Environmental Laboratory - Nacogdoches

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### EPA 200.7 - Quality Control

### Eastex Environmental Laboratory - Coldspring

| Analyte                                | Result  | Reporting Limit | Units | Spike Level                           | Source Result | %REC                                  | %REC Limits | RPD   | RPD Limit | Notes |
|----------------------------------------|---------|-----------------|-------|---------------------------------------|---------------|---------------------------------------|-------------|-------|-----------|-------|
| <b>Batch B2G0181 - EPA 200.7</b>       |         |                 |       |                                       |               |                                       |             |       |           |       |
| <b>MRL Check (B2G0181-MRL3)</b>        |         |                 |       | Prepared: 07/04/22 Analyzed: 07/05/22 |               |                                       |             |       |           |       |
| Calcium, Total                         | 0.465   |                 | mg/L  | 0.500                                 |               | 93.0                                  | 70-130      |       |           |       |
| Iron, Total                            | 0.140   |                 | mg/L  | 0.150                                 |               | 93.3                                  | 70-130      |       |           |       |
| Manganese, Total                       | 0.00980 |                 | mg/L  | 0.0100                                |               | 98.0                                  | 70-130      |       |           |       |
| Sodium, Total                          | 0.560   |                 | mg/L  | 0.500                                 |               | 112                                   | 70-130      |       |           |       |
| <b>Matrix Spike (B2G0181-MS1)</b>      |         |                 |       | <b>Source: C2F4955-01</b>             |               | Prepared: 07/04/22 Analyzed: 07/05/22 |             |       |           |       |
| Calcium, Total                         | 32.5    | 0.500           | mg/L  | 25.0                                  | 9.14          | 93.4                                  | 70-130      |       |           |       |
| Iron, Total                            | 0.256   | 0.150           | mg/L  | 0.250                                 | ND            | 102                                   | 70-130      |       |           |       |
| Manganese, Total                       | 0.252   | 0.0100          | mg/L  | 0.250                                 | 0.00380       | 99.3                                  | 70-130      |       |           |       |
| Sodium, Total                          | 145     | 0.500           | mg/L  | 25.0                                  | 123           | 88.0                                  | 70-130      |       |           |       |
| <b>Matrix Spike (B2G0181-MS2)</b>      |         |                 |       | <b>Source: C2F5608-03</b>             |               | Prepared: 07/04/22 Analyzed: 07/05/22 |             |       |           |       |
| Calcium, Total                         | 23.0    | 0.500           | mg/L  | 25.0                                  | 0.596         | 89.6                                  | 70-130      |       |           |       |
| Iron, Total                            | 0.246   | 0.150           | mg/L  | 0.250                                 | ND            | 98.4                                  | 70-130      |       |           |       |
| Manganese, Total                       | 0.240   | 0.0100          | mg/L  | 0.250                                 | ND            | 96.0                                  | 70-130      |       |           |       |
| Sodium, Total                          | 314     | 0.500           | mg/L  | 25.0                                  | 295           | 76.0                                  | 70-130      |       |           |       |
| <b>Matrix Spike (B2G0181-MS3)</b>      |         |                 |       | <b>Source: C2F6994-02</b>             |               | Prepared: 07/04/22 Analyzed: 07/05/22 |             |       |           |       |
| Calcium, Total                         | 35.6    | 0.500           | mg/L  | 25.0                                  | 13.2          | 89.6                                  | 70-130      |       |           |       |
| Iron, Total                            | 0.337   | 0.150           | mg/L  | 0.250                                 | 0.0963        | 96.3                                  | 70-130      |       |           |       |
| Manganese, Total                       | 0.267   | 0.0100          | mg/L  | 0.250                                 | 0.0238        | 97.3                                  | 70-130      |       |           |       |
| Sodium, Total                          | 40.9    | 0.500           | mg/L  | 25.0                                  | 18.2          | 90.8                                  | 70-130      |       |           |       |
| <b>Matrix Spike Dup (B2G0181-MSD1)</b> |         |                 |       | <b>Source: C2F4955-01</b>             |               | Prepared: 07/04/22 Analyzed: 07/05/22 |             |       |           |       |
| Calcium, Total                         | 32.6    | 0.500           | mg/L  | 25.0                                  | 9.14          | 93.8                                  | 70-130      | 0.307 | 20        |       |
| Iron, Total                            | 0.249   | 0.150           | mg/L  | 0.250                                 | ND            | 99.6                                  | 70-130      | 2.77  | 20        |       |
| Manganese, Total                       | 0.245   | 0.0100          | mg/L  | 0.250                                 | 0.00380       | 96.5                                  | 70-130      | 2.82  | 20        |       |
| Sodium, Total                          | 147     | 0.500           | mg/L  | 25.0                                  | 123           | 96.0                                  | 70-130      | 1.37  | 20        |       |

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### EPA 200.7 - Quality Control

### Eastex Environmental Laboratory - Coldspring

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

#### Batch B2G0181 - EPA 200.7

##### Matrix Spike Dup (B2G0181-MSD2)

Source: C2F5608-03

Prepared: 07/04/22 Analyzed: 07/05/22

|                  |       |        |      |       |       |      |        |      |    |  |
|------------------|-------|--------|------|-------|-------|------|--------|------|----|--|
| Calcium, Total   | 23.8  | 0.500  | mg/L | 25.0  | 0.596 | 92.8 | 70-130 | 3.42 | 20 |  |
| Iron, Total      | 0.251 | 0.150  | mg/L | 0.250 | ND    | 100  | 70-130 | 2.01 | 20 |  |
| Manganese, Total | 0.245 | 0.0100 | mg/L | 0.250 | ND    | 98.0 | 70-130 | 2.06 | 20 |  |
| Sodium, Total    | 320   | 0.500  | mg/L | 25.0  | 295   | 100  | 70-130 | 1.89 | 20 |  |

##### Matrix Spike Dup (B2G0181-MSD3)

Source: C2F6994-02

Prepared: 07/04/22 Analyzed: 07/05/22

|                  |       |        |      |       |        |      |        |       |    |  |
|------------------|-------|--------|------|-------|--------|------|--------|-------|----|--|
| Calcium, Total   | 36.2  | 0.500  | mg/L | 25.0  | 13.2   | 92.0 | 70-130 | 1.67  | 20 |  |
| Iron, Total      | 0.341 | 0.150  | mg/L | 0.250 | 0.0963 | 97.9 | 70-130 | 1.18  | 20 |  |
| Manganese, Total | 0.271 | 0.0100 | mg/L | 0.250 | 0.0238 | 98.9 | 70-130 | 1.49  | 20 |  |
| Sodium, Total    | 41.2  | 0.500  | mg/L | 25.0  | 18.2   | 92.0 | 70-130 | 0.731 | 20 |  |

\*NELAC Status: A=Accredited, N=Accreditation not offered, O=Not Accredited, P=Approved

Eastex Environmental Laboratory - Nacogdoches

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. Alkalinity titrated to pH 4.5 endpoint.*



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Caro WSC  
3947 State Hwy 204  
Nacogdoches TEXAS, 75964

TCEQ Report ID: **PWS\_TX1740007\_AC\_20220621\_WQP Analysis Report**

### Notes and Definitions

Cs      Analyses performed at Coldspring Laboratory.  
DET      Analyte DETECTED  
ND      Analyte NOT DETECTED at or above the reporting limit  
NR      Not Reported  
dry      Sample results reported on a dry weight basis  
RPD      Relative Percent Difference

*\*All Metals Analyses performed at Coldspring Laboratory, unless otherwise indicated.*





Completed by PWS (or Agent),

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Completed by Laboratory

| Completed by PWS (or Agent)       |                                         |                        |                   |  | Completed by Laboratory     |                       |
|-----------------------------------|-----------------------------------------|------------------------|-------------------|--|-----------------------------|-----------------------|
| PWS Name:                         |                                         |                        |                   |  | Laboratory Name:            |                       |
| PWS ID#:                          | TX                                      | 1740007                |                   |  | TCEQ Lab ID #:              | TX 00962              |
| PWS Address:                      | 3947 Hwy 204 Nacogdoches, TX 75964-6208 |                        |                   |  | Laboratory Address:         | P.O. Box 631375       |
| PWS Contact:                      | Robert Whitthead                        |                        |                   |  | Laboratory Contact:         | Nacogdoches, TX 75963 |
| PWS Contact Phone #:              | 936-564-3078                            |                        |                   |  | Laboratory Contact Phone #: | 936-569-8879          |
| Inhibitor or Stabilizer Used (Y): | Phosphate                               | Silica                 | Calcium carbonate |  |                             |                       |
| TREATMENT                         | Alkalinity Dosage Rate:                 | Inhibitor Dosage Rate: |                   |  |                             |                       |

**Parameters Requested:** Analyses are required for the parameters checked. \* If inhibitors containing phosphate or silica are used, these parameters should also be analyzed depending on which is in use.

[illegible]