





Envirodyne Laboratories, Inc  
11011 Brooklet Dr., # 230  
Houston, TX 77099  
281.568.7880 Phone  
www.envirodyne.com

24 June 2022

Si Environmental, LLC  
Mike Thornhill  
6420 Reading Road  
Rosenberg, TX 77471

**Sienna MUD #6 - WQP**

Enclosed are the results of analyses for samples received by the laboratory on 10-Jun-22 12:00. The analytical data provided relates only to the samples as received in this laboratory report.

ELI certifies that all results are NELAP compliant and performed in accordance with the referenced method except as noted in the Case Narrative or as noted with a qualifier. Any reproductions of this laboratory report should be in full and only with the written authorization from the client.

The total number of pages in this report is 13

Thank you for selecting ELI for your analytical needs. If you have any questions regarding this report, please contact us.

Sincerely,

A handwritten signature in blue ink that reads 'Laura Bonjonia'.

Laura Bonjonia For Sarah Chaplain  
Client Services Representative



Certificate No: T104704265-20-18



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**Client:** Si Environmental, LLC  
**Project:** Sienna MUD #6 - WQP  
**Work Order:** 22F2327  
**PWS ID:** TX0790491

**Reported:**  
24-Jun-22 15:13

#### ANALYTICAL REPORT FOR SAMPLES

| Sample ID |                       | Laboratory ID | Matrix | Date Sampled    | Date Received   |
|-----------|-----------------------|---------------|--------|-----------------|-----------------|
| EWQP      | 1757 WATERS LAKE BLVD | 22F2327-01    | Water  | 10-Jun-22 10:06 | 10-Jun-22 12:00 |
| DSTWQP    | 10518 LARGO OAKS      | 22F2327-02    | Water  | 10-Jun-22 10:21 | 10-Jun-22 12:00 |
| DSTWQP    | 8619 AZALEA CROSSING  | 22F2327-03    | Water  | 10-Jun-22 10:13 | 10-Jun-22 12:00 |
| DSTWQP    | 1918 CREEKWOOD COVE   | 22F2327-04    | Water  | 10-Jun-22 10:28 | 10-Jun-22 12:00 |

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Work Order: 22F2327  
PWS ID: TX0790491

Reported:  
24-Jun-22 15:13

**1757 WATERS LAKE BLVD**  
**22F2327-01 (Water) Sampled: 10-Jun-22 10:06**

| Analyte | Result | Reporting<br>Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Analyst | Notes |
|---------|--------|--------------------|-------|----------|-------|----------|----------|--------|---------|-------|
|---------|--------|--------------------|-------|----------|-------|----------|----------|--------|---------|-------|

**Envirodyne Laboratories, Inc.**

**Field Analysis**

|             |      |     |    |   |         |           |                 |            |     |  |
|-------------|------|-----|----|---|---------|-----------|-----------------|------------|-----|--|
| pH          | 7.49 |     | SU | 1 | B2F2043 | 10-Jun-22 | 10-Jun-22 10:06 | SM4500H+ B | BKT |  |
| Temperature | 29.0 | 0.0 | °C | 1 | B2F2043 | 10-Jun-22 | 10-Jun-22 10:06 | SM2550 B   | BKT |  |

**Wet Chemistry**

|                                       |       |      |         |   |         |           |                 |              |     |  |
|---------------------------------------|-------|------|---------|---|---------|-----------|-----------------|--------------|-----|--|
| Alkalinity (m) as CaCO <sub>3</sub>   | 127   | 20.0 | mg/L    | 1 | B2F2455 | 16-Jun-22 | 16-Jun-22 13:16 | SM 2320 B    | DRJ |  |
| Alkalinity (p) as CaCO <sub>3</sub>   | <20.0 | 20.0 | mg/L    | 1 | B2F2455 | 16-Jun-22 | 16-Jun-22 13:16 | SM 2320 B    | DRJ |  |
| Total Alkalinity as CaCO <sub>3</sub> | 127   | 20.0 | mg/L    | 1 | [CALC]  | 16-Jun-22 | 16-Jun-22 13:16 | [CALC]       | DRJ |  |
| Chloride                              | 80.0  | 12.0 | mg/L    | 4 | B2F3199 | 23-Jun-22 | 23-Jun-22 11:06 | SM4500 Cl-B  | JPC |  |
| Conductivity at 25 C                  | 578   | 30   | umho/cm | 1 | B2F2269 | 20-Jun-22 | 20-Jun-22 14:29 | SM2510 B     | DRJ |  |
| OrthoPhosphate as P                   | <0.10 | 0.10 | mg/L    | 1 | B2F2153 | 10-Jun-22 | 10-Jun-22 15:12 | SM4500-P E   | SSJ |  |
| Sulfate                               | 42.5  | 4.00 | mg/L    | 2 | B2F3459 | 22-Jun-22 | 22-Jun-22 16:18 | ASTM D516-07 | DRJ |  |
| TDS                                   | 296   | 50.0 | mg/L    | 1 | B2F2891 | 17-Jun-22 | 17-Jun-22 13:50 | SM2540 C     | JMM |  |

**Total Metals by ICP**

|                                     |        |        |      |   |         |           |                 |           |     |  |
|-------------------------------------|--------|--------|------|---|---------|-----------|-----------------|-----------|-----|--|
| Calcium                             | 32.6   | 2.00   | mg/L | 1 | B2F3659 | 20-Jun-22 | 21-Jun-22 14:18 | EPA 200.7 | JMM |  |
| Total Hardness as CaCO <sub>3</sub> | 124    | 13.2   | mg/L | 1 | [CALC]  | 20-Jun-22 | 21-Jun-22 14:18 | SM 2340B  | JMM |  |
| Iron                                | 0.0731 | 0.0050 | mg/L | 1 | B2F3659 | 20-Jun-22 | 21-Jun-22 18:20 | EPA 200.7 | JMM |  |
| Magnesium                           | 10.4   | 2.00   | mg/L | 1 | B2F3659 | 20-Jun-22 | 21-Jun-22 14:18 | EPA 200.7 | JMM |  |
| Manganese                           | 0.0075 | 0.0050 | mg/L | 1 | B2F3659 | 20-Jun-22 | 21-Jun-22 18:20 | EPA 200.7 | JMM |  |
| Sodium                              | 67.1   | 2.0    | mg/L | 1 | B2F3659 | 20-Jun-22 | 21-Jun-22 14:18 | EPA 200.7 | JMM |  |

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Laura Bonjonia For Sarah Chaplain, Client Services Representative



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Client: Si Environmental, LLC  
Project: Sienna MUD #6 - WQP  
Work Order: 22F2327  
PWS ID: TX0790491

Reported:  
24-Jun-22 15:13

**10518 LARGO OAKS**  
**22F2327-02 (Water) Sampled: 10-Jun-22 10:21**

| Analyte | Result | Reporting<br>Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Analyst | Notes |
|---------|--------|--------------------|-------|----------|-------|----------|----------|--------|---------|-------|
|---------|--------|--------------------|-------|----------|-------|----------|----------|--------|---------|-------|

**Envirodyne Laboratories, Inc.**

**Field Analysis**

|             |      |     |    |   |         |           |                 |            |     |  |
|-------------|------|-----|----|---|---------|-----------|-----------------|------------|-----|--|
| pH          | 7.43 |     | SU | 1 | B2F2043 | 10-Jun-22 | 10-Jun-22 10:21 | SM4500H+ B | BKT |  |
| Temperature | 26.0 | 0.0 | °C | 1 | B2F2043 | 10-Jun-22 | 10-Jun-22 10:21 | SM2550 B   | BKT |  |

**Wet Chemistry**

|                                       |       |      |         |   |         |           |                 |              |     |  |
|---------------------------------------|-------|------|---------|---|---------|-----------|-----------------|--------------|-----|--|
| Alkalinity (m) as CaCO <sub>3</sub>   | 129   | 20.0 | mg/L    | 1 | B2F2455 | 16-Jun-22 | 16-Jun-22 13:16 | SM 2320 B    | DRJ |  |
| Alkalinity (p) as CaCO <sub>3</sub>   | <20.0 | 20.0 | mg/L    | 1 | B2F2455 | 16-Jun-22 | 16-Jun-22 13:16 | SM 2320 B    | DRJ |  |
| Total Alkalinity as CaCO <sub>3</sub> | 129   | 20.0 | mg/L    | 1 | [CALC]  | 16-Jun-22 | 16-Jun-22 13:16 | [CALC]       | DRJ |  |
| Chloride                              | 90.0  | 12.0 | mg/L    | 4 | B2F3199 | 23-Jun-22 | 23-Jun-22 11:06 | SM4500 Cl-B  | JPC |  |
| Conductivity at 25 C                  | 583   | 30   | umho/cm | 1 | B2F2269 | 20-Jun-22 | 20-Jun-22 14:29 | SM2510 B     | DRJ |  |
| OrthoPhosphate as P                   | <0.10 | 0.10 | mg/L    | 1 | B2F2153 | 10-Jun-22 | 10-Jun-22 15:12 | SM4500-P E   | SSJ |  |
| Sulfate                               | 41.9  | 4.00 | mg/L    | 2 | B2F3459 | 22-Jun-22 | 22-Jun-22 16:18 | ASTM D516-07 | DRJ |  |
| TDS                                   | 288   | 50.0 | mg/L    | 1 | B2F2891 | 17-Jun-22 | 17-Jun-22 13:50 | SM2540 C     | JMM |  |

**Total Metals by ICP**

|                                     |        |        |      |   |         |           |                 |           |     |  |
|-------------------------------------|--------|--------|------|---|---------|-----------|-----------------|-----------|-----|--|
| Calcium                             | 31.5   | 2.00   | mg/L | 1 | B2F3658 | 20-Jun-22 | 21-Jun-22 13:00 | EPA 200.7 | JMM |  |
| Total Hardness as CaCO <sub>3</sub> | 120    | 13.2   | mg/L | 1 | [CALC]  | 20-Jun-22 | 21-Jun-22 13:00 | SM 2340B  | JMM |  |
| Iron                                | 0.105  | 0.0050 | mg/L | 1 | B2F3658 | 20-Jun-22 | 21-Jun-22 16:40 | EPA 200.7 | JMM |  |
| Magnesium                           | 10.1   | 2.00   | mg/L | 1 | B2F3658 | 20-Jun-22 | 21-Jun-22 13:00 | EPA 200.7 | JMM |  |
| Manganese                           | 0.0075 | 0.0050 | mg/L | 1 | B2F3658 | 20-Jun-22 | 21-Jun-22 16:40 | EPA 200.7 | JMM |  |
| Sodium                              | 66.0   | 2.0    | mg/L | 1 | B2F3658 | 20-Jun-22 | 21-Jun-22 13:00 | EPA 200.7 | JMM |  |

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Laura Bonjonia For Sarah Chaplain, Client Services Representative



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Client: Si Environmental, LLC  
Project: Sienna MUD #6 - WQP  
Work Order: 22F2327  
PWS ID: TX0790491

Reported:  
24-Jun-22 15:13

**8619 AZALEA CROSSING**  
**22F2327-03 (Water) Sampled: 10-Jun-22 10:13**

| Analyte | Result | Reporting<br>Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Analyst | Notes |
|---------|--------|--------------------|-------|----------|-------|----------|----------|--------|---------|-------|
|---------|--------|--------------------|-------|----------|-------|----------|----------|--------|---------|-------|

**Envirodyne Laboratories, Inc.**

**Field Analysis**

|             |      |     |    |   |         |           |                 |            |     |  |
|-------------|------|-----|----|---|---------|-----------|-----------------|------------|-----|--|
| pH          | 7.45 |     | SU | 1 | B2F2043 | 10-Jun-22 | 10-Jun-22 10:13 | SM4500H+ B | BKT |  |
| Temperature | 26.0 | 0.0 | °C | 1 | B2F2043 | 10-Jun-22 | 10-Jun-22 10:13 | SM2550 B   | BKT |  |

**Wet Chemistry**

|                                       |       |      |         |   |         |           |                 |              |     |  |
|---------------------------------------|-------|------|---------|---|---------|-----------|-----------------|--------------|-----|--|
| Alkalinity (m) as CaCO <sub>3</sub>   | 130   | 20.0 | mg/L    | 1 | B2F2455 | 16-Jun-22 | 16-Jun-22 13:16 | SM 2320 B    | DRJ |  |
| Alkalinity (p) as CaCO <sub>3</sub>   | <20.0 | 20.0 | mg/L    | 1 | B2F2455 | 16-Jun-22 | 16-Jun-22 13:16 | SM 2320 B    | DRJ |  |
| Total Alkalinity as CaCO <sub>3</sub> | 130   | 20.0 | mg/L    | 1 | [CALC]  | 16-Jun-22 | 16-Jun-22 13:16 | [CALC]       | DRJ |  |
| Chloride                              | 92.0  | 12.0 | mg/L    | 4 | B2F3199 | 23-Jun-22 | 23-Jun-22 11:06 | SM4500 Cl-B  | JPC |  |
| Conductivity at 25 C                  | 571   | 30   | umho/cm | 1 | B2F2270 | 20-Jun-22 | 20-Jun-22 15:59 | SM2510 B     | DRJ |  |
| OrthoPhosphate as P                   | <0.10 | 0.10 | mg/L    | 1 | B2F2153 | 10-Jun-22 | 10-Jun-22 15:12 | SM4500-P E   | SSJ |  |
| Sulfate                               | 38.4  | 2.00 | mg/L    | 1 | B2F3459 | 22-Jun-22 | 22-Jun-22 16:18 | ASTM D516-07 | DRJ |  |
| TDS                                   | 296   | 50.0 | mg/L    | 1 | B2F2891 | 17-Jun-22 | 17-Jun-22 13:50 | SM2540 C     | JMM |  |

**Total Metals by ICP**

|                                     |        |        |      |   |         |           |                 |           |     |  |
|-------------------------------------|--------|--------|------|---|---------|-----------|-----------------|-----------|-----|--|
| Calcium                             | 34.0   | 2.00   | mg/L | 1 | B2F3658 | 20-Jun-22 | 21-Jun-22 13:00 | EPA 200.7 | JMM |  |
| Total Hardness as CaCO <sub>3</sub> | 130    | 13.2   | mg/L | 1 | [CALC]  | 20-Jun-22 | 21-Jun-22 13:00 | SM 2340B  | JMM |  |
| Iron                                | 0.0777 | 0.0050 | mg/L | 1 | B2F3658 | 20-Jun-22 | 21-Jun-22 16:40 | EPA 200.7 | JMM |  |
| Magnesium                           | 10.9   | 2.00   | mg/L | 1 | B2F3658 | 20-Jun-22 | 21-Jun-22 13:00 | EPA 200.7 | JMM |  |
| Manganese                           | 0.0095 | 0.0050 | mg/L | 1 | B2F3658 | 20-Jun-22 | 21-Jun-22 16:40 | EPA 200.7 | JMM |  |
| Sodium                              | 68.7   | 2.0    | mg/L | 1 | B2F3658 | 20-Jun-22 | 21-Jun-22 13:00 | EPA 200.7 | JMM |  |

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Project: Sienna MUD #6 - WQP  
Work Order: 22F2327  
PWS ID: TX0790491

Reported:  
24-Jun-22 15:13

1918 CREEKWOOD COVE  
22F2327-04 (Water) Sampled: 10-Jun-22 10:28

| Analyte | Result | Reporting<br>Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Analyst | Notes |
|---------|--------|--------------------|-------|----------|-------|----------|----------|--------|---------|-------|
|---------|--------|--------------------|-------|----------|-------|----------|----------|--------|---------|-------|

Envirodyne Laboratories, Inc.

Field Analysis

|             |      |     |    |   |         |           |                 |            |     |  |
|-------------|------|-----|----|---|---------|-----------|-----------------|------------|-----|--|
| pH          | 7.47 |     | SU | 1 | B2F2043 | 10-Jun-22 | 10-Jun-22 10:28 | SM4500H+ B | BKT |  |
| Temperature | 28.0 | 0.0 | °C | 1 | B2F2043 | 10-Jun-22 | 10-Jun-22 10:28 | SM2550 B   | BKT |  |

Wet Chemistry

|                                       |       |      |         |   |         |           |                 |              |     |  |
|---------------------------------------|-------|------|---------|---|---------|-----------|-----------------|--------------|-----|--|
| Alkalinity (m) as CaCO <sub>3</sub>   | 128   | 20.0 | mg/L    | 1 | B2F2455 | 16-Jun-22 | 16-Jun-22 13:16 | SM 2320 B    | DRJ |  |
| Alkalinity (p) as CaCO <sub>3</sub>   | <20.0 | 20.0 | mg/L    | 1 | B2F2455 | 16-Jun-22 | 16-Jun-22 13:16 | SM 2320 B    | DRJ |  |
| Total Alkalinity as CaCO <sub>3</sub> | 128   | 20.0 | mg/L    | 1 | [CALC]  | 16-Jun-22 | 16-Jun-22 13:16 | [CALC]       | DRJ |  |
| Chloride                              | 96.0  | 12.0 | mg/L    | 4 | B2F3199 | 23-Jun-22 | 23-Jun-22 11:06 | SM4500 Cl-B  | JPC |  |
| Conductivity at 25 C                  | 582   | 30   | umho/cm | 1 | B2F2270 | 20-Jun-22 | 20-Jun-22 15:59 | SM2510 B     | DRJ |  |
| OrthoPhosphate as P                   | <0.10 | 0.10 | mg/L    | 1 | B2F2153 | 10-Jun-22 | 10-Jun-22 15:12 | SM4500-P E   | SSJ |  |
| Sulfate                               | 39.7  | 2.00 | mg/L    | 1 | B2F3459 | 22-Jun-22 | 22-Jun-22 16:18 | ASTM D516-07 | DRJ |  |
| TDS                                   | 300   | 50.0 | mg/L    | 1 | B2F2891 | 17-Jun-22 | 17-Jun-22 13:50 | SM2540 C     | JMM |  |

Total Metals by ICP

|                                     |        |        |      |   |         |           |                 |           |     |  |
|-------------------------------------|--------|--------|------|---|---------|-----------|-----------------|-----------|-----|--|
| Calcium                             | 32.9   | 2.00   | mg/L | 1 | B2F3658 | 20-Jun-22 | 21-Jun-22 13:00 | EPA 200.7 | JMM |  |
| Total Hardness as CaCO <sub>3</sub> | 125    | 13.2   | mg/L | 1 | [CALC]  | 20-Jun-22 | 21-Jun-22 13:00 | SM 2340B  | JMM |  |
| Iron                                | 0.0749 | 0.0050 | mg/L | 1 | B2F3658 | 20-Jun-22 | 21-Jun-22 16:40 | EPA 200.7 | JMM |  |
| Magnesium                           | 10.5   | 2.00   | mg/L | 1 | B2F3658 | 20-Jun-22 | 21-Jun-22 13:00 | EPA 200.7 | JMM |  |
| Manganese                           | 0.0092 | 0.0050 | mg/L | 1 | B2F3658 | 20-Jun-22 | 21-Jun-22 16:40 | EPA 200.7 | JMM |  |
| Sodium                              | 67.0   | 2.0    | mg/L | 1 | B2F3658 | 20-Jun-22 | 21-Jun-22 13:00 | EPA 200.7 | JMM |  |

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**Project:** Sienna MUD #6 - WQP  
**Work Order:** 22F2327  
**PWS ID:** TX0790491

**Reported:**  
24-Jun-22 15:13

**Wet Chemistry - Quality Control**  
**Envirodyne Laboratories, Inc.**

| Analyte                                | Result | Reporting Limit | Units   | Spike Level                                       | Source Result | %REC | %REC Limits | RPD  | RPD Limit | Notes |
|----------------------------------------|--------|-----------------|---------|---------------------------------------------------|---------------|------|-------------|------|-----------|-------|
| <b>Batch B2F2153 - Inorganics</b>      |        |                 |         |                                                   |               |      |             |      |           |       |
| <b>Blank (B2F2153-BLK1)</b>            |        |                 |         | Prepared & Analyzed: 10-Jun-22                    |               |      |             |      |           |       |
| OrthoPhosphate as P                    | <0.10  | 0.10            | mg/L    |                                                   |               |      |             |      |           |       |
| <b>LCS (B2F2153-BS1)</b>               |        |                 |         | Prepared & Analyzed: 10-Jun-22                    |               |      |             |      |           |       |
| OrthoPhosphate as P                    | 0.980  |                 | mg/L    | 1.00                                              |               | 98.0 | 80-120      |      |           |       |
| <b>Matrix Spike (B2F2153-MS1)</b>      |        |                 |         | Source: 22F2331-01 Prepared & Analyzed: 10-Jun-22 |               |      |             |      |           |       |
| OrthoPhosphate as P                    | 0.920  | 0.10            | mg/L    | 0.333                                             | ND            | 276  | 80-120      |      |           |       |
| <b>Matrix Spike Dup (B2F2153-MSD1)</b> |        |                 |         | Source: 22F2331-01 Prepared & Analyzed: 10-Jun-22 |               |      |             |      |           |       |
| OrthoPhosphate as P                    | 0.920  | 0.10            | mg/L    | 0.333                                             | ND            | 276  | 80-120      | 0.00 | 20        |       |
| <b>Batch B2F2269 - Inorganics</b>      |        |                 |         |                                                   |               |      |             |      |           |       |
| <b>Blank (B2F2269-BLK1)</b>            |        |                 |         | Prepared & Analyzed: 20-Jun-22                    |               |      |             |      |           |       |
| Conductivity at 25 C                   | <30    | 30              | umho/cm |                                                   |               |      |             |      |           |       |
| <b>Duplicate (B2F2269-DUP1)</b>        |        |                 |         | Source: 22F1228-01 Prepared & Analyzed: 20-Jun-22 |               |      |             |      |           |       |
| Conductivity at 25 C                   | 394    | 30              | umho/cm |                                                   | 399           |      |             | 1.18 | 20        |       |
| <b>Reference (B2F2269-SRM1)</b>        |        |                 |         | Prepared & Analyzed: 20-Jun-22                    |               |      |             |      |           |       |
| Conductivity at 25 C                   | 180    |                 | umho/cm | 180                                               |               | 100  | 90-110      |      |           |       |
| <b>Batch B2F2270 - Inorganics</b>      |        |                 |         |                                                   |               |      |             |      |           |       |
| <b>Blank (B2F2270-BLK1)</b>            |        |                 |         | Prepared & Analyzed: 20-Jun-22                    |               |      |             |      |           |       |
| Conductivity at 25 C                   | <30    | 30              | umho/cm |                                                   |               |      |             |      |           |       |

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**Client:** Si Environmental, LLC  
**Project:** Sienna MUD #6 - WQP  
**Work Order:** 22F2327  
**PWS ID:** TX0790491

**Reported:**  
24-Jun-22 15:13

**Wet Chemistry - Quality Control**  
**Envirodyne Laboratories, Inc.**

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

**Batch B2F2270 - Inorganics**

|                                 |     |                           |         |                                           |     |      |        |      |    |  |
|---------------------------------|-----|---------------------------|---------|-------------------------------------------|-----|------|--------|------|----|--|
| <b>Duplicate (B2F2270-DUP1)</b> |     | <b>Source: 22F2327-03</b> |         | <b>Prepared &amp; Analyzed: 20-Jun-22</b> |     |      |        |      |    |  |
| Conductivity at 25 C            | 581 | 30                        | umho/cm |                                           | 571 |      |        | 1.79 | 20 |  |
| <b>Reference (B2F2270-SRM1)</b> |     |                           |         | <b>Prepared &amp; Analyzed: 20-Jun-22</b> |     |      |        |      |    |  |
| Conductivity at 25 C            | 176 |                           | umho/cm | 180                                       |     | 97.9 | 90-110 |      |    |  |

**Batch B2F2455 - Inorganics**

|                                     |       |                                           |      |                                           |       |      |        |      |    |  |
|-------------------------------------|-------|-------------------------------------------|------|-------------------------------------------|-------|------|--------|------|----|--|
| <b>Blank (B2F2455-BLK1)</b>         |       | <b>Prepared &amp; Analyzed: 16-Jun-22</b> |      |                                           |       |      |        |      |    |  |
| Alkalinity (m) as CaCO <sub>3</sub> | <20.0 | 20.0                                      | mg/L |                                           |       |      |        |      |    |  |
| Alkalinity (p) as CaCO <sub>3</sub> | <20.0 | 20.0                                      | "    |                                           |       |      |        |      |    |  |
| <b>LCS (B2F2455-BS1)</b>            |       | <b>Prepared &amp; Analyzed: 16-Jun-22</b> |      |                                           |       |      |        |      |    |  |
| Alkalinity (m) as CaCO <sub>3</sub> | 54.0  |                                           | mg/L | 50.0                                      |       | 108  | 90-110 |      |    |  |
| Alkalinity (p) as CaCO <sub>3</sub> | 47.0  |                                           | "    | 50.0                                      |       | 94.0 | 90-110 |      |    |  |
| <b>Duplicate (B2F2455-DUP1)</b>     |       | <b>Source: 22F1228-01</b>                 |      | <b>Prepared &amp; Analyzed: 16-Jun-22</b> |       |      |        |      |    |  |
| Alkalinity (m) as CaCO <sub>3</sub> | 166   | 20.0                                      | mg/L |                                           | 157   |      |        | 5.57 | 20 |  |
| Alkalinity (p) as CaCO <sub>3</sub> | <20.0 | 20.0                                      | "    |                                           | <20.0 |      |        | 0    | 20 |  |

**Batch B2F2891 - Inorganics**

|                                 |       |                                           |      |                                           |     |  |  |      |    |  |
|---------------------------------|-------|-------------------------------------------|------|-------------------------------------------|-----|--|--|------|----|--|
| <b>Blank (B2F2891-BLK1)</b>     |       | <b>Prepared &amp; Analyzed: 17-Jun-22</b> |      |                                           |     |  |  |      |    |  |
| TDS                             | <50.0 | 50.0                                      | mg/L |                                           |     |  |  |      |    |  |
| <b>Duplicate (B2F2891-DUP1)</b> |       | <b>Source: 22F2317-01</b>                 |      | <b>Prepared &amp; Analyzed: 17-Jun-22</b> |     |  |  |      |    |  |
| TDS                             | 256   | 50.0                                      | mg/L |                                           | 266 |  |  | 3.83 | 20 |  |

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Laura Bonjonia For Sarah Chaplain, Client Services Representative



Envirodyne Laboratories, Inc  
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**Client:** Si Environmental, LLC  
**Project:** Sienna MUD #6 - WQP  
**Work Order:** 22F2327  
**PWS ID:** TX0790491

**Reported:**  
24-Jun-22 15:13

**Wet Chemistry - Quality Control**  
**Envirodyne Laboratories, Inc.**

| Analyte                                | Result | Reporting Limit | Units | Spike Level                                       | Source Result | %REC | %REC Limits | RPD  | RPD Limit | Notes |
|----------------------------------------|--------|-----------------|-------|---------------------------------------------------|---------------|------|-------------|------|-----------|-------|
| <b>Batch B2F3199 - Inorganics</b>      |        |                 |       |                                                   |               |      |             |      |           |       |
| <b>Blank (B2F3199-BLK1)</b>            |        |                 |       | Prepared & Analyzed: 23-Jun-22                    |               |      |             |      |           |       |
| Chloride                               | <3.0   | 3.0             | mg/L  |                                                   |               |      |             |      |           |       |
| <b>Blank (B2F3199-BLK2)</b>            |        |                 |       | Prepared & Analyzed: 23-Jun-22                    |               |      |             |      |           |       |
| Chloride                               | <3.0   | 3.0             | mg/L  |                                                   |               |      |             |      |           |       |
| <b>Blank (B2F3199-BLK3)</b>            |        |                 |       | Prepared & Analyzed: 23-Jun-22                    |               |      |             |      |           |       |
| Chloride                               | <3.0   | 3.0             | mg/L  |                                                   |               |      |             |      |           |       |
| <b>LCS (B2F3199-BS1)</b>               |        |                 |       | Prepared & Analyzed: 23-Jun-22                    |               |      |             |      |           |       |
| Chloride                               | 100    |                 | mg/L  | 100                                               |               | 100  | 90-110      |      |           |       |
| <b>Matrix Spike (B2F3199-MS1)</b>      |        |                 |       | Source: 22F2327-01 Prepared & Analyzed: 23-Jun-22 |               |      |             |      |           |       |
| Chloride                               | 102    | 12.0            | mg/L  | 20.0                                              | 80.0          | 110  | 80-120      |      |           |       |
| <b>Matrix Spike Dup (B2F3199-MSD1)</b> |        |                 |       | Source: 22F2327-01 Prepared & Analyzed: 23-Jun-22 |               |      |             |      |           |       |
| Chloride                               | 102    | 12.0            | mg/L  | 20.0                                              | 80.0          | 110  | 80-120      | 0.00 | 20        |       |
| <b>Batch B2F3459 - Inorganics</b>      |        |                 |       |                                                   |               |      |             |      |           |       |
| <b>Blank (B2F3459-BLK1)</b>            |        |                 |       | Prepared & Analyzed: 22-Jun-22                    |               |      |             |      |           |       |
| Sulfate                                | <2.00  | 2.00            | mg/L  |                                                   |               |      |             |      |           |       |
| <b>LCS (B2F3459-BS1)</b>               |        |                 |       | Prepared & Analyzed: 22-Jun-22                    |               |      |             |      |           |       |
| Sulfate                                | 20.9   |                 | mg/L  | 20.0                                              |               | 104  | 90-110      |      |           |       |
| <b>Matrix Spike (B2F3459-MS1)</b>      |        |                 |       | Source: 22F2327-01 Prepared & Analyzed: 22-Jun-22 |               |      |             |      |           |       |
| Sulfate                                | 62.1   | 4.00            | mg/L  | 20.0                                              | 42.5          | 98.3 | 80-120      |      |           |       |

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**Work Order:** 22F2327  
**PWS ID:** TX0790491

**Reported:**  
24-Jun-22 15:13

### Wet Chemistry - Quality Control

### Envirodyne Laboratories, Inc.

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

#### Batch B2F3459 - Inorganics

#### Matrix Spike Dup (B2F3459-MSD1)

Source: 22F2327-01

Prepared & Analyzed: 22-Jun-22

|         |      |      |      |      |      |     |        |      |    |  |
|---------|------|------|------|------|------|-----|--------|------|----|--|
| Sulfate | 63.6 | 4.00 | mg/L | 20.0 | 42.5 | 106 | 80-120 | 2.29 | 20 |  |
|---------|------|------|------|------|------|-----|--------|------|----|--|

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**PWS ID:** TX0790491

**Reported:**  
24-Jun-22 15:13

**Total Metals by ICP - Quality Control**  
**Envirodyne Laboratories, Inc.**

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

**Batch B2F3658 - Metals - EPA 200.2**

**Blank (B2F3658-BLK1)**

Prepared: 20-Jun-22 Analyzed: 21-Jun-22

|           |         |        |      |
|-----------|---------|--------|------|
| Iron      | <0.0050 | 0.0050 | mg/L |
| Sodium    | <2.0    | 2.0    | "    |
| Manganese | <0.0050 | 0.0050 | "    |
| Calcium   | <2.00   | 2.00   | "    |
| Magnesium | <2.00   | 2.00   | "    |

**LCS (B2F3658-BS1)**

Prepared: 20-Jun-22 Analyzed: 21-Jun-22

|           |      |  |      |      |  |      |        |
|-----------|------|--|------|------|--|------|--------|
| Calcium   | 19.2 |  | mg/L | 20.0 |  | 96.2 | 85-115 |
| Iron      | 257  |  | ug/L | 250  |  | 103  | 85-115 |
| Magnesium | 19.9 |  | mg/L | 20.0 |  | 99.6 | 85-115 |
| Sodium    | 19.5 |  | "    | 20.0 |  | 97.7 | 85-115 |
| Manganese | 255  |  | ug/L | 250  |  | 102  | 85-115 |

**Matrix Spike (B2F3658-MS1)**

Source: 22F2332-03

Prepared: 20-Jun-22 Analyzed: 21-Jun-22

|           |      |        |      |      |         |      |        |
|-----------|------|--------|------|------|---------|------|--------|
| Sodium    | 87.5 | 4.0    | mg/L | 40.0 | 46.3    | 103  | 70-130 |
| Iron      | 1.05 | 0.0100 | "    | 1.00 | 0.0407  | 101  | 70-130 |
| Calcium   | 84.2 | 4.00   | "    | 40.0 | 43.6    | 102  | 70-130 |
| Magnesium | 47.7 | 4.00   | "    | 40.0 | 7.01    | 102  | 70-130 |
| Manganese | 1.00 | 0.0100 | "    | 1.00 | 0.00595 | 99.4 | 70-130 |

**Matrix Spike Dup (B2F3658-MSD1)**

Source: 22F2332-03

Prepared: 20-Jun-22 Analyzed: 21-Jun-22

|           |       |        |      |      |         |      |        |        |    |
|-----------|-------|--------|------|------|---------|------|--------|--------|----|
| Sodium    | 87.6  | 4.0    | mg/L | 40.0 | 46.3    | 103  | 70-130 | 0.0457 | 20 |
| Magnesium | 46.5  | 4.00   | "    | 40.0 | 7.01    | 98.7 | 70-130 | 2.63   | 20 |
| Iron      | 1.04  | 0.0100 | "    | 1.00 | 0.0407  | 99.9 | 70-130 | 1.15   | 20 |
| Calcium   | 82.5  | 4.00   | "    | 40.0 | 43.6    | 97.3 | 70-130 | 2.04   | 20 |
| Manganese | 0.984 | 0.0100 | "    | 1.00 | 0.00595 | 97.8 | 70-130 | 1.61   | 20 |

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**Work Order:** 22F2327  
**PWS ID:** TX0790491

**Reported:**  
24-Jun-22 15:13

**Total Metals by ICP - Quality Control**  
**Envirodyne Laboratories, Inc.**

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

**Batch B2F3659 - Metals - EPA 200.2**

**Blank (B2F3659-BLK1)**

Prepared: 20-Jun-22 Analyzed: 21-Jun-22

|           |         |        |      |
|-----------|---------|--------|------|
| Iron      | <0.0050 | 0.0050 | mg/L |
| Manganese | <0.0050 | 0.0050 | "    |
| Calcium   | <2.00   | 2.00   | "    |
| Sodium    | <2.0    | 2.0    | "    |
| Magnesium | <2.00   | 2.00   | "    |

**LCS (B2F3659-BS1)**

Prepared: 20-Jun-22 Analyzed: 21-Jun-22

|           |      |  |      |      |  |      |        |
|-----------|------|--|------|------|--|------|--------|
| Sodium    | 19.4 |  | mg/L | 20.0 |  | 96.8 | 85-115 |
| Manganese | 255  |  | ug/L | 250  |  | 102  | 85-115 |
| Magnesium | 20.0 |  | mg/L | 20.0 |  | 99.8 | 85-115 |
| Iron      | 257  |  | ug/L | 250  |  | 103  | 85-115 |
| Calcium   | 19.2 |  | mg/L | 20.0 |  | 96.2 | 85-115 |

**Matrix Spike (B2F3659-MS1)**

Source: 22F2331-01

Prepared: 20-Jun-22 Analyzed: 21-Jun-22

|           |       |        |      |      |      |      |        |
|-----------|-------|--------|------|------|------|------|--------|
| Manganese | 0.978 | 0.0100 | mg/L | 1.00 | ND   | 97.8 | 70-130 |
| Sodium    | 69.9  | 4.0    | "    | 40.0 | 30.4 | 98.6 | 70-130 |
| Magnesium | 45.3  | 4.00   | "    | 40.0 | 4.96 | 101  | 70-130 |
| Iron      | 0.996 | 0.0100 | "    | 1.00 | ND   | 99.6 | 70-130 |
| Calcium   | 92.6  | 4.00   | "    | 40.0 | 52.8 | 99.6 | 70-130 |

**Matrix Spike Dup (B2F3659-MSD1)**

Source: 22F2331-01

Prepared: 20-Jun-22 Analyzed: 21-Jun-22

|           |       |        |      |      |      |      |        |        |    |
|-----------|-------|--------|------|------|------|------|--------|--------|----|
| Magnesium | 45.2  | 4.00   | mg/L | 40.0 | 4.96 | 100  | 70-130 | 0.354  | 20 |
| Iron      | 1.00  | 0.0100 | "    | 1.00 | ND   | 100  | 70-130 | 0.800  | 20 |
| Manganese | 0.986 | 0.0100 | "    | 1.00 | ND   | 98.6 | 70-130 | 0.815  | 20 |
| Sodium    | 70.3  | 4.0    | "    | 40.0 | 30.4 | 99.6 | 70-130 | 0.599  | 20 |
| Calcium   | 92.6  | 4.00   | "    | 40.0 | 52.8 | 99.6 | 70-130 | 0.0216 | 20 |

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**Project:** Sienna MUD #6 - WQP  
**Work Order:** 22F2327  
**PWS ID:** TX0790491

**Reported:**  
24-Jun-22 15:13

### Notes and Definitions

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  
CLT Client Representative

Envirodyne Laboratories, Inc.

A handwritten signature in blue ink that reads "Laura Bonjonia".

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