

## LAB CHRONICLE

|                 |                           |                   |                               |
|-----------------|---------------------------|-------------------|-------------------------------|
| <b>OrderID:</b> | Q2085                     | <b>OrderDate:</b> | 5/20/2025 11:40:33 AM         |
| <b>Client:</b>  | US Army Corp of Engineers | <b>Project:</b>   | USACE NAB Sediment Project 25 |
| <b>Contact:</b> | Kendall Rosenberg         | <b>Location:</b>  | L41                           |

| LabID           | ClientID               | Matrix      | Test              | Method                                          | Sample Date               | Prep Date | Anal Date         | Received        |
|-----------------|------------------------|-------------|-------------------|-------------------------------------------------|---------------------------|-----------|-------------------|-----------------|
| <b>Q2085-01</b> | <b>SC-4-SED-051525</b> | <b>SOIL</b> |                   |                                                 | <b>05/15/25<br/>15:50</b> |           |                   | <b>05/20/25</b> |
|                 |                        |             | Ammonia           | SM4500-NH3                                      |                           | 05/21/25  | 05/22/25<br>12:01 |                 |
|                 |                        |             | Phosphorus, Total | 365.3                                           |                           | 05/28/25  | 05/28/25<br>15:37 |                 |
|                 |                        |             | TKN               | SM4500-N<br>Org C-11 plus<br>NH3 B plus<br>G-11 |                           | 05/22/25  | 05/22/25<br>16:01 |                 |
|                 |                        |             | TOC               | 9060A                                           |                           |           | 05/23/25<br>10:01 |                 |
| <b>Q2085-02</b> | <b>SC-3-SED-051525</b> | <b>SOIL</b> |                   |                                                 | <b>05/15/25<br/>16:21</b> |           |                   | <b>05/20/25</b> |
|                 |                        |             | Ammonia           | SM4500-NH3                                      |                           | 05/21/25  | 05/22/25<br>12:01 |                 |
|                 |                        |             | Phosphorus, Total | 365.3                                           |                           | 05/28/25  | 05/28/25<br>15:39 |                 |
|                 |                        |             | TKN               | SM4500-N<br>Org C-11 plus<br>NH3 B plus<br>G-11 |                           | 05/22/25  | 05/22/25<br>16:01 |                 |
|                 |                        |             | TOC               | 9060A                                           |                           |           | 05/23/25<br>10:11 |                 |
| <b>Q2085-03</b> | <b>SC-2-SED-051525</b> | <b>SOIL</b> |                   |                                                 | <b>05/15/25<br/>17:04</b> |           |                   | <b>05/20/25</b> |
|                 |                        |             | Ammonia           | SM4500-NH3                                      |                           | 05/21/25  | 05/22/25<br>12:01 |                 |
|                 |                        |             | Phosphorus, Total | 365.3                                           |                           | 05/28/25  | 05/28/25<br>15:39 |                 |

### LAB CHRONICLE

|          |                    |      |                   |                                                 |          |                   |          |
|----------|--------------------|------|-------------------|-------------------------------------------------|----------|-------------------|----------|
| Q2085-04 | SC-1-SED-051625    | SOIL | TKN               | SM4500-N<br>Org C-11 plus<br>NH3 B plus<br>G-11 | 05/22/25 | 05/22/25<br>16:01 | 05/20/25 |
|          |                    |      | TOC               | 9060A                                           |          | 05/23/25<br>10:25 |          |
|          |                    |      | 05/16/25<br>10:08 |                                                 |          |                   |          |
|          |                    |      | Ammonia           | SM4500-NH3                                      | 06/06/25 | 06/06/25<br>11:48 |          |
|          |                    |      | Phosphorus, Total | 365.3                                           | 06/06/25 | 06/06/25<br>11:16 |          |
|          |                    |      | TKN               | SM4500-N<br>Org C-11 plus<br>NH3 B plus<br>G-11 | 06/06/25 | 06/06/25<br>14:29 |          |
| Q2085-07 | SC-COMP-SED-051625 | SOIL | TOC               | 9060A                                           |          | 06/06/25<br>09:19 | 05/20/25 |
|          |                    |      | 05/16/25<br>10:45 |                                                 |          |                   |          |
|          |                    |      | Ammonia           | SM4500-NH3                                      | 05/21/25 | 05/22/25<br>12:01 |          |
|          |                    |      | Phosphorus, Total | 365.3                                           | 05/28/25 | 05/28/25<br>15:40 |          |
|          |                    |      | TKN               | SM4500-N<br>Org C-11 plus<br>NH3 B plus<br>G-11 | 05/22/25 | 05/22/25<br>16:01 |          |
|          |                    |      | TOC               | 9060A                                           |          | 05/23/25<br>11:11 |          |
| Q2085-08 | DUPE-1-SC          | SOIL | 05/16/25<br>12:00 |                                                 |          |                   | 05/20/25 |
|          |                    |      | Phosphorus, Total | 365.3                                           | 05/28/25 | 05/28/25<br>15:41 |          |
|          |                    |      | Ammonia           | SM4500-NH3                                      | 05/21/25 | 05/22/25<br>12:01 |          |

**LAB CHRONICLE**

|     |                                                 |          |                   |
|-----|-------------------------------------------------|----------|-------------------|
| TKN | SM4500-N<br>Org C-11 plus<br>NH3 B plus<br>G-11 | 05/22/25 | 05/22/25<br>16:01 |
| TOC | 9060A                                           |          | 05/23/25<br>11:33 |

A

B

C

D



# SAMPLE DATA

A

B

C

D

## Report of Analysis

|                   |                               |                 |                |
|-------------------|-------------------------------|-----------------|----------------|
| Client:           | US Army Corp of Engineers     | Date Collected: | 05/15/25 15:50 |
| Project:          | USACE NAB Sediment Project 25 | Date Received:  | 05/20/25       |
| Client Sample ID: | SC-4-SED-051525               | SDG No.:        | Q2085          |
| Lab Sample ID:    | Q2085-01                      | Matrix:         | SOIL           |
|                   |                               | % Solid:        | 75.7           |

| Parameter         | Conc. | Qua. | DF | MDL  | LOD  | LOQ / CRQL | Units(Dry Weight) | Prep Date      | Date Ana.      | Ana Met.                                     |
|-------------------|-------|------|----|------|------|------------|-------------------|----------------|----------------|----------------------------------------------|
| Ammonia as N      | 16.0  |      | 1  | 2.80 | 5.10 | 6.40       | mg/Kg             | 05/21/25 10:40 | 05/22/25 12:01 | SM 4500-NH3<br>B plus G-11                   |
| Phosphorus, Total | 62.3  |      | 1  | 0.38 | 1.63 | 3.27       | mg/Kg             | 05/28/25 11:45 | 05/28/25 15:37 | 365.3                                        |
| TKN               | 222   |      | 1  | 12.2 | 16.2 | 32.4       | mg/Kg             | 05/22/25 08:50 | 05/22/25 16:01 | SM4500-N Org<br>C-11 plus NH3<br>B plus G-11 |
| TOC               | 4370  |      | 1  | 28.9 | 50.0 | 250        | mg/Kg             |                | 05/23/25 10:01 | 9060A                                        |

Comments: \_\_\_\_\_

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

D = Dilution

Q = indicates LCS control criteria did not meet requirements

H = Sample Analysis Out Of Hold Time

J = Estimated Value

B = Analyte Found in Associated Method Blank

\* = indicates the duplicate analysis is not within control limits.

E = Indicates the reported value is estimated because of the presence of interference.

OR = Over Range

N =Spiked sample recovery not within control limits

## Report of Analysis

|                   |                               |                 |                |
|-------------------|-------------------------------|-----------------|----------------|
| Client:           | US Army Corp of Engineers     | Date Collected: | 05/15/25 16:21 |
| Project:          | USACE NAB Sediment Project 25 | Date Received:  | 05/20/25       |
| Client Sample ID: | SC-3-SED-051525               | SDG No.:        | Q2085          |
| Lab Sample ID:    | Q2085-02                      | Matrix:         | SOIL           |
|                   |                               | % Solid:        | 73.8           |

| Parameter         | Conc. | Qua. | DF | MDL  | LOD  | LOQ / CRQL | Units(Dry Weight) | Prep Date      | Date Ana.      | Ana Met.                                     |
|-------------------|-------|------|----|------|------|------------|-------------------|----------------|----------------|----------------------------------------------|
| Ammonia as N      | 11.9  |      | 1  | 2.90 | 5.30 | 6.60       | mg/Kg             | 05/21/25 10:40 | 05/22/25 12:01 | SM 4500-NH3<br>B plus G-11                   |
| Phosphorus, Total | 58.4  |      | 1  | 0.39 | 1.66 | 3.32       | mg/Kg             | 05/28/25 11:45 | 05/28/25 15:39 | 365.3                                        |
| TKN               | 249   |      | 1  | 12.2 | 16.3 | 32.6       | mg/Kg             | 05/22/25 08:50 | 05/22/25 16:01 | SM4500-N Org<br>C-11 plus NH3<br>B plus G-11 |
| TOC               | 1570  |      | 1  | 28.9 | 50.0 | 250        | mg/Kg             |                | 05/23/25 10:11 | 9060A                                        |

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## Report of Analysis

|                   |                               |                 |                |
|-------------------|-------------------------------|-----------------|----------------|
| Client:           | US Army Corp of Engineers     | Date Collected: | 05/15/25 17:04 |
| Project:          | USACE NAB Sediment Project 25 | Date Received:  | 05/20/25       |
| Client Sample ID: | SC-2-SED-051525               | SDG No.:        | Q2085          |
| Lab Sample ID:    | Q2085-03                      | Matrix:         | SOIL           |
|                   |                               | % Solid:        | 79.3           |

| Parameter         | Conc. | Qua. | DF | MDL  | LOD  | LOQ / CRQL | Units(Dry Weight) | Prep Date      | Date Ana.      | Ana Met.                                     |
|-------------------|-------|------|----|------|------|------------|-------------------|----------------|----------------|----------------------------------------------|
| Ammonia as N      | 2.80  | J    | 1  | 2.60 | 4.70 | 5.80       | mg/Kg             | 05/21/25 10:40 | 05/22/25 12:01 | SM 4500-NH3<br>B plus G-11                   |
| Phosphorus, Total | 36.3  |      | 1  | 0.36 | 1.55 | 3.09       | mg/Kg             | 05/28/25 11:45 | 05/28/25 15:39 | 365.3                                        |
| TKN               | 139   |      | 1  | 11.7 | 15.6 | 31.2       | mg/Kg             | 05/22/25 08:50 | 05/22/25 16:01 | SM4500-N Org<br>C-11 plus NH3<br>B plus G-11 |
| TOC               | 1360  |      | 1  | 28.9 | 50.0 | 250        | mg/Kg             |                | 05/23/25 10:25 | 9060A                                        |

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## Report of Analysis

|                   |                               |                 |                |
|-------------------|-------------------------------|-----------------|----------------|
| Client:           | US Army Corp of Engineers     | Date Collected: | 05/16/25 10:08 |
| Project:          | USACE NAB Sediment Project 25 | Date Received:  | 05/20/25       |
| Client Sample ID: | SC-1-SED-051625               | SDG No.:        | Q2085          |
| Lab Sample ID:    | Q2085-04                      | Matrix:         | SOIL           |
|                   |                               | % Solid:        | 70.5           |

| Parameter         | Conc. | Qua. | DF | MDL  | LOD  | LOQ / CRQL | Units(Dry Weight) | Prep Date      | Date Ana.      | Ana Met.                                     |
|-------------------|-------|------|----|------|------|------------|-------------------|----------------|----------------|----------------------------------------------|
| Ammonia as N      | 13.0  |      | 1  | 3.10 | 5.70 | 7.10       | mg/Kg             | 06/06/25 08:00 | 06/06/25 11:48 | SM 4500-NH3<br>B plus G-11                   |
| Phosphorus, Total | 30.3  |      | 1  | 0.40 | 1.70 | 3.41       | mg/Kg             | 06/06/25 09:20 | 06/06/25 11:16 | 365.3                                        |
| TKN               | 493   |      | 1  | 13.1 | 17.4 | 34.8       | mg/Kg             | 06/06/25 08:25 | 06/06/25 14:29 | SM4500-N Org<br>C-11 plus NH3<br>B plus G-11 |
| TOC               | 6380  |      | 1  | 28.9 | 50.0 | 250        | mg/Kg             |                | 06/06/25 09:19 | 9060A                                        |

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## Report of Analysis

|                   |                               |                 |                |
|-------------------|-------------------------------|-----------------|----------------|
| Client:           | US Army Corp of Engineers     | Date Collected: | 05/16/25 10:45 |
| Project:          | USACE NAB Sediment Project 25 | Date Received:  | 05/20/25       |
| Client Sample ID: | SC-COMP-SED-051625            | SDG No.:        | Q2085          |
| Lab Sample ID:    | Q2085-07                      | Matrix:         | SOIL           |
|                   |                               | % Solid:        | 73.5           |

| Parameter         | Conc. | Qua. | DF | MDL  | LOD  | LOQ / CRQL | Units(Dry Weight) | Prep Date      | Date Ana.      | Ana Met.                                     |
|-------------------|-------|------|----|------|------|------------|-------------------|----------------|----------------|----------------------------------------------|
| Ammonia as N      | 8.10  |      | 1  | 2.90 | 5.20 | 6.50       | mg/Kg             | 05/21/25 10:40 | 05/22/25 12:01 | SM 4500-NH3<br>B plus G-11                   |
| Phosphorus, Total | 36.8  |      | 1  | 0.39 | 1.68 | 3.37       | mg/Kg             | 05/28/25 11:45 | 05/28/25 15:40 | 365.3                                        |
| TKN               | 275   |      | 1  | 12.5 | 16.7 | 33.3       | mg/Kg             | 05/22/25 08:50 | 05/22/25 16:01 | SM4500-N Org<br>C-11 plus NH3<br>B plus G-11 |
| TOC               | 4830  |      | 1  | 28.9 | 50.0 | 250        | mg/Kg             |                | 05/23/25 11:11 | 9060A                                        |

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## Report of Analysis

|                   |                               |                 |                |
|-------------------|-------------------------------|-----------------|----------------|
| Client:           | US Army Corp of Engineers     | Date Collected: | 05/16/25 00:00 |
| Project:          | USACE NAB Sediment Project 25 | Date Received:  | 05/20/25       |
| Client Sample ID: | DUPE-1-SC                     | SDG No.:        | Q2085          |
| Lab Sample ID:    | Q2085-08                      | Matrix:         | SOIL           |
|                   |                               | % Solid:        | 76.2           |

| Parameter         | Conc. | Qua. | DF | MDL  | LOD  | LOQ / CRQL | Units(Dry Weight) | Prep Date      | Date Ana.      | Ana Met.                                     |
|-------------------|-------|------|----|------|------|------------|-------------------|----------------|----------------|----------------------------------------------|
| Ammonia as N      | 15.7  |      | 1  | 2.80 | 5.10 | 6.40       | mg/Kg             | 05/21/25 10:40 | 05/22/25 12:01 | SM 4500-NH3<br>B plus G-11                   |
| Phosphorus, Total | 54.2  |      | 1  | 0.37 | 1.61 | 3.22       | mg/Kg             | 05/28/25 11:45 | 05/28/25 15:41 | 365.3                                        |
| TKN               | 159   |      | 1  | 12.2 | 16.2 | 32.5       | mg/Kg             | 05/22/25 08:50 | 05/22/25 16:01 | SM4500-N Org<br>C-11 plus NH3<br>B plus G-11 |
| TOC               | 3780  |      | 1  | 28.9 | 50.0 | 250        | mg/Kg             |                | 05/23/25 11:33 | 9060A                                        |

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# QC RESULT SUMMARY

## Initial and Continuing Calibration Verification

**Client:** US Army Corp of Engineers

**SDG No.:** Q2085

**Project:** USACE NAB Sediment Project 25

**RunNo.:** LB135882

| Analyte                                | Units | Result | True Value | % Recovery | Acceptance Window (%R) | Analysis Date |
|----------------------------------------|-------|--------|------------|------------|------------------------|---------------|
| Sample ID: <b>ICV1</b><br>Ammonia as N | mg/L  | 1      | 1          | 100        | 90-110                 | 05/22/2025    |
| Sample ID: <b>CCV1</b><br>Ammonia as N | mg/L  | 1      | 1          | 100        | 90-110                 | 05/22/2025    |
| Sample ID: <b>CCV2</b><br>Ammonia as N | mg/L  | 1      | 1          | 100        | 90-110                 | 05/22/2025    |
| Sample ID: <b>CCV3</b><br>Ammonia as N | mg/L  | 1.1    | 1          | 110        | 90-110                 | 05/22/2025    |

## Initial and Continuing Calibration Verification

**Client:** US Army Corp of Engineers

**SDG No.:** Q2085

**Project:** USACE NAB Sediment Project 25

**RunNo.:** LB135888

| Analyte                       | Units | Result | True Value | % Recovery | Acceptance Window (%R) | Analysis Date |
|-------------------------------|-------|--------|------------|------------|------------------------|---------------|
| Sample ID: <b>ICV1</b><br>TKN | mg/L  | 4.8    | 5          | 96         | 90-110                 | 05/22/2025    |
| Sample ID: <b>CCV1</b><br>TKN | mg/L  | 4.7    | 5          | 94         | 90-110                 | 05/22/2025    |
| Sample ID: <b>CCV2</b><br>TKN | mg/L  | 4.8    | 5          | 96         | 90-110                 | 05/22/2025    |
| Sample ID: <b>CCV3</b><br>TKN | mg/L  | 4.7    | 5          | 94         | 90-110                 | 05/22/2025    |

## Initial and Continuing Calibration Verification

**Client:** US Army Corp of Engineers

**SDG No.:** Q2085

**Project:** USACE NAB Sediment Project 25

**RunNo.:** LB135894

| Analyte                       | Units | Result | True Value | % Recovery | Acceptance Window (%R) | Analysis Date |
|-------------------------------|-------|--------|------------|------------|------------------------|---------------|
| Sample ID: <b>ICV1</b><br>TOC | mg/L  | 1030   | 1000       | 103        | 90-110                 | 03/14/2025    |
| Sample ID: <b>CCV1</b><br>TOC | mg/L  | 1060   | 1000       | 106        | 90-110                 | 05/23/2025    |
| Sample ID: <b>CCV2</b><br>TOC | mg/L  | 1050   | 1000       | 105        | 90-110                 | 05/23/2025    |

## Initial and Continuing Calibration Verification

**Client:** US Army Corp of Engineers

**SDG No.:** Q2085

**Project:** USACE NAB Sediment Project 25

**RunNo.:** LB135933

| Analyte                                     | Units | Result | True Value | % Recovery | Acceptance Window (%R) | Analysis Date |
|---------------------------------------------|-------|--------|------------|------------|------------------------|---------------|
| Sample ID: <b>ICV</b><br>Phosphorus, Total  | mg/L  | 0.507  | 0.50       | 101        | 90-110                 | 05/28/2025    |
| Sample ID: <b>CCV1</b><br>Phosphorus, Total | mg/L  | 0.501  | 0.50       | 100        | 90-110                 | 05/28/2025    |
| Sample ID: <b>CCV2</b><br>Phosphorus, Total | mg/L  | 0.504  | 0.50       | 101        | 90-110                 | 05/28/2025    |
| Sample ID: <b>CCV3</b><br>Phosphorus, Total | mg/L  | 0.492  | 0.50       | 98         | 90-110                 | 05/28/2025    |

## Initial and Continuing Calibration Verification

**Client:** US Army Corp of Engineers

**SDG No.:** Q2085

**Project:** USACE NAB Sediment Project 25

**RunNo.:** LB136025

| Analyte                       | Units | Result | True Value | % Recovery | Acceptance Window (%R) | Analysis Date |
|-------------------------------|-------|--------|------------|------------|------------------------|---------------|
| Sample ID: <b>ICV1</b><br>TOC | mg/L  | 1030   | 1000       | 103        | 90-110                 | 03/14/2025    |
| Sample ID: <b>CCV1</b><br>TOC | mg/L  | 1010   | 1000       | 101        | 90-110                 | 06/06/2025    |
| Sample ID: <b>CCV2</b><br>TOC | mg/L  | 1010   | 1000       | 101        | 90-110                 | 06/06/2025    |

## Initial and Continuing Calibration Verification

**Client:** US Army Corp of Engineers

**SDG No.:** Q2085

**Project:** USACE NAB Sediment Project 25

**RunNo.:** LB136037

| Analyte                                     | Units | Result | True Value | %<br>Recovery | Acceptance<br>Window (%R) | Analysis<br>Date |
|---------------------------------------------|-------|--------|------------|---------------|---------------------------|------------------|
| Sample ID: <b>ICV</b><br>Phosphorus, Total  | mg/L  | 0.492  | 0.50       | 98            | 90-110                    | 06/06/2025       |
| Sample ID: <b>CCV1</b><br>Phosphorus, Total | mg/L  | 0.504  | 0.50       | 101           | 90-110                    | 06/06/2025       |
| Sample ID: <b>CCV2</b><br>Phosphorus, Total | mg/L  | 0.515  | 0.50       | 103           | 90-110                    | 06/06/2025       |

## Initial and Continuing Calibration Verification

**Client:** US Army Corp of Engineers

**SDG No.:** Q2085

**Project:** USACE NAB Sediment Project 25

**RunNo.:** LB136039

| Analyte                                | Units | Result | True Value | % Recovery | Acceptance Window (%R) | Analysis Date |
|----------------------------------------|-------|--------|------------|------------|------------------------|---------------|
| Sample ID: <b>ICV1</b><br>Ammonia as N | mg/L  | 1.1    | 1          | 110        | 90-110                 | 06/06/2025    |
| Sample ID: <b>CCV1</b><br>Ammonia as N | mg/L  | 1      | 1          | 100        | 90-110                 | 06/06/2025    |
| Sample ID: <b>CCV2</b><br>Ammonia as N | mg/L  | 1.1    | 1          | 110        | 90-110                 | 06/06/2025    |
| Sample ID: <b>CCV3</b><br>Ammonia as N | mg/L  | 1.1    | 1          | 110        | 90-110                 | 06/06/2025    |
| Sample ID: <b>CCV4</b><br>Ammonia as N | mg/L  | 1.1    | 1          | 110        | 90-110                 | 06/06/2025    |
| Sample ID: <b>CCV5</b><br>Ammonia as N | mg/L  | 1      | 1          | 100        | 90-110                 | 06/06/2025    |

## Initial and Continuing Calibration Verification

**Client:** US Army Corp of Engineers

**SDG No.:** Q2085

**Project:** USACE NAB Sediment Project 25

**RunNo.:** LB136043

| Analyte                       | Units | Result | True Value | % Recovery | Acceptance Window (%R) | Analysis Date |
|-------------------------------|-------|--------|------------|------------|------------------------|---------------|
| Sample ID: <b>ICV1</b><br>TKN | mg/L  | 4.7    | 5          | 94         | 90-110                 | 06/06/2025    |
| Sample ID: <b>CCV1</b><br>TKN | mg/L  | 4.7    | 5          | 94         | 90-110                 | 06/06/2025    |
| Sample ID: <b>CCV2</b><br>TKN | mg/L  | 4.6    | 5          | 92         | 90-110                 | 06/06/2025    |
| Sample ID: <b>CCV3</b><br>TKN | mg/L  | 4.8    | 5          | 96         | 90-110                 | 06/06/2025    |

### Initial and Continuing Calibration Blank Summary

**Client:** US Army Corp of Engineers

**SDG No.:** Q2085

**Project:** USACE NAB Sediment Project 25

**RunNo.:** LB135882

| Analyte                                | Units | Result   | Acceptance Limits | Conc Qual | MDL   | RDL | Analysis Date |
|----------------------------------------|-------|----------|-------------------|-----------|-------|-----|---------------|
| Sample ID: <b>ICB1</b><br>Ammonia as N | mg/L  | < 0.0500 | 0.0500            | U         | 0.030 | 0.1 | 05/22/2025    |
| Sample ID: <b>CCB1</b><br>Ammonia as N | mg/L  | < 0.0500 | 0.0500            | U         | 0.030 | 0.1 | 05/22/2025    |
| Sample ID: <b>CCB2</b><br>Ammonia as N | mg/L  | < 0.0500 | 0.0500            | U         | 0.030 | 0.1 | 05/22/2025    |
| Sample ID: <b>CCB3</b><br>Ammonia as N | mg/L  | < 0.0500 | 0.0500            | U         | 0.030 | 0.1 | 05/22/2025    |

### Initial and Continuing Calibration Blank Summary

**Client:** US Army Corp of Engineers

**SDG No.:** Q2085

**Project:** USACE NAB Sediment Project 25

**RunNo.:** LB135888

| Analyte                       | Units | Result   | Acceptance Limits | Conc Qual | MDL  | RDL | Analysis Date |
|-------------------------------|-------|----------|-------------------|-----------|------|-----|---------------|
| Sample ID: <b>ICB1</b><br>TKN | mg/L  | < 0.2500 | 0.2500            | U         | 0.11 | 0.5 | 05/22/2025    |
| Sample ID: <b>CCB1</b><br>TKN | mg/L  | < 0.2500 | 0.2500            | U         | 0.11 | 0.5 | 05/22/2025    |
| Sample ID: <b>CCB2</b><br>TKN | mg/L  | < 0.2500 | 0.2500            | U         | 0.11 | 0.5 | 05/22/2025    |
| Sample ID: <b>CCB3</b><br>TKN | mg/L  | < 0.2500 | 0.2500            | U         | 0.11 | 0.5 | 05/22/2025    |

### Initial and Continuing Calibration Blank Summary

**Client:** US Army Corp of Engineers

**SDG No.:** Q2085

**Project:** USACE NAB Sediment Project 25

**RunNo.:** LB135894

| Analyte                       | Units | Result     | Acceptance<br>Limits | Conc<br>Qual | MDL  | RDL | Analysis<br>Date |
|-------------------------------|-------|------------|----------------------|--------------|------|-----|------------------|
| Sample ID: <b>ICB1</b><br>TOC | mg/L  | < 125.0000 | 125.0000             | U            | 22.3 | 250 | 03/14/2025       |
| Sample ID: <b>CCB1</b><br>TOC | mg/L  | < 125.0000 | 125.0000             | U            | 22.3 | 250 | 05/23/2025       |
| Sample ID: <b>CCB2</b><br>TOC | mg/L  | < 125.0000 | 125.0000             | U            | 22.3 | 250 | 05/23/2025       |

### Initial and Continuing Calibration Blank Summary

**Client:** US Army Corp of Engineers

**SDG No.:** Q2085

**Project:** USACE NAB Sediment Project 25

**RunNo.:** LB135933

| Analyte                                     | Units | Result   | Acceptance Limits | Conc Qual | MDL    | RDL  | Analysis Date |
|---------------------------------------------|-------|----------|-------------------|-----------|--------|------|---------------|
| Sample ID: <b>ICB</b><br>Phosphorus, Total  | mg/L  | 0.006    | 0.0250            | J         | 0.0045 | 0.05 | 05/28/2025    |
| Sample ID: <b>CCB1</b><br>Phosphorus, Total | mg/L  | < 0.0250 | 0.0250            | U         | 0.0045 | 0.05 | 05/28/2025    |
| Sample ID: <b>CCB2</b><br>Phosphorus, Total | mg/L  | 0.008    | 0.0250            | J         | 0.0045 | 0.05 | 05/28/2025    |
| Sample ID: <b>CCB3</b><br>Phosphorus, Total | mg/L  | 0.006    | 0.0250            | J         | 0.0045 | 0.05 | 05/28/2025    |

### Initial and Continuing Calibration Blank Summary

**Client:** US Army Corp of Engineers

**SDG No.:** Q2085

**Project:** USACE NAB Sediment Project 25

**RunNo.:** LB136025

| Analyte                       | Units | Result     | Acceptance<br>Limits | Conc<br>Qual | MDL  | RDL | Analysis<br>Date |
|-------------------------------|-------|------------|----------------------|--------------|------|-----|------------------|
| Sample ID: <b>ICB1</b><br>TOC | mg/L  | < 125.0000 | 125.0000             | U            | 22.3 | 250 | 03/14/2025       |
| Sample ID: <b>CCB1</b><br>TOC | mg/L  | < 125.0000 | 125.0000             | U            | 22.3 | 250 | 06/06/2025       |
| Sample ID: <b>CCB2</b><br>TOC | mg/L  | < 125.0000 | 125.0000             | U            | 22.3 | 250 | 06/06/2025       |

### Initial and Continuing Calibration Blank Summary

**Client:** US Army Corp of Engineers

**SDG No.:** Q2085

**Project:** USACE NAB Sediment Project 25

**RunNo.:** LB136037

| Analyte                                     | Units | Result   | Acceptance<br>Limits | Conc<br>Qual | MDL    | RDL  | Analysis<br>Date |
|---------------------------------------------|-------|----------|----------------------|--------------|--------|------|------------------|
| Sample ID: <b>ICB</b><br>Phosphorus, Total  | mg/L  | < 0.0250 | 0.0250               | U            | 0.0045 | 0.05 | 06/06/2025       |
| Sample ID: <b>CCB1</b><br>Phosphorus, Total | mg/L  | < 0.0250 | 0.0250               | U            | 0.0045 | 0.05 | 06/06/2025       |
| Sample ID: <b>CCB2</b><br>Phosphorus, Total | mg/L  | < 0.0250 | 0.0250               | U            | 0.0045 | 0.05 | 06/06/2025       |

## Initial and Continuing Calibration Blank Summary

**Client:** US Army Corp of Engineers

**SDG No.:** Q2085

**Project:** USACE NAB Sediment Project 25

**RunNo.:** LB136039

| Analyte                                | Units | Result   | Acceptance Limits | Conc Qual | MDL   | RDL | Analysis Date |
|----------------------------------------|-------|----------|-------------------|-----------|-------|-----|---------------|
| Sample ID: <b>ICB1</b><br>Ammonia as N | mg/L  | 0.04     | 0.0500            | J         | 0.030 | 0.1 | 06/06/2025    |
| Sample ID: <b>CCB1</b><br>Ammonia as N | mg/L  | < 0.0500 | 0.0500            | U         | 0.030 | 0.1 | 06/06/2025    |
| Sample ID: <b>CCB2</b><br>Ammonia as N | mg/L  | 0.04     | 0.0500            | J         | 0.030 | 0.1 | 06/06/2025    |
| Sample ID: <b>CCB3</b><br>Ammonia as N | mg/L  | 0.045    | 0.0500            | J         | 0.030 | 0.1 | 06/06/2025    |
| Sample ID: <b>CCB4</b><br>Ammonia as N | mg/L  | 0.037    | 0.0500            | J         | 0.030 | 0.1 | 06/06/2025    |
| Sample ID: <b>CCB5</b><br>Ammonia as N | mg/L  | 0.034    | 0.0500            | J         | 0.030 | 0.1 | 06/06/2025    |

### Initial and Continuing Calibration Blank Summary

**Client:** US Army Corp of Engineers

**SDG No.:** Q2085

**Project:** USACE NAB Sediment Project 25

**RunNo.:** LB136043

| Analyte                       | Units | Result | Acceptance Limits | Conc Qual | MDL  | RDL | Analysis Date |
|-------------------------------|-------|--------|-------------------|-----------|------|-----|---------------|
| Sample ID: <b>ICB1</b><br>TKN | mg/L  | 0.15   | 0.2500            | J         | 0.11 | 0.5 | 06/06/2025    |
| Sample ID: <b>CCB1</b><br>TKN | mg/L  | 0.16   | 0.2500            | J         | 0.11 | 0.5 | 06/06/2025    |
| Sample ID: <b>CCB2</b><br>TKN | mg/L  | 0.14   | 0.2500            | J         | 0.11 | 0.5 | 06/06/2025    |
| Sample ID: <b>CCB3</b><br>TKN | mg/L  | 0.15   | 0.2500            | J         | 0.11 | 0.5 | 06/06/2025    |

## Preparation Blank Summary

**Client:** US Army Corp of Engineers

**SDG No.:** Q2085

**Project:** USACE NAB Sediment Project 25

| Analyte                                           | Units | Result     | Acceptance Limits | Conc Qual | MDL  | RDL | Analysis Date |
|---------------------------------------------------|-------|------------|-------------------|-----------|------|-----|---------------|
| Sample ID: <b>LB135894BLS</b><br>TOC              | mg/Kg | < 125.0000 | 125.0000          | U         | 28.9 | 250 | 05/23/2025    |
| Sample ID: <b>LB136025BLS</b><br>TOC              | mg/Kg | < 125.0000 | 125.0000          | U         | 28.9 | 250 | 06/06/2025    |
| Sample ID: <b>PB168096BL</b><br>TKN               | mg/Kg | < 12.5000  | 12.5000           | U         | 9.4  | 25  | 05/22/2025    |
| Sample ID: <b>PB168128BL</b><br>Ammonia as N      | mg/Kg | < 2.5000   | 2.5000            | U         | 2.2  | 5   | 05/22/2025    |
| Sample ID: <b>PB168183BL</b><br>Phosphorus, Total | mg/Kg | 0.4        | 1.2500            | J         | 0.29 | 2.5 | 05/28/2025    |
| Sample ID: <b>PB168315BL</b><br>Phosphorus, Total | mg/Kg | < 1.2500   | 1.2500            | U         | 0.29 | 2.5 | 06/06/2025    |
| Sample ID: <b>PB168327BL</b><br>TKN               | mg/Kg | < 12.5000  | 12.5000           | U         | 9.4  | 25  | 06/06/2025    |
| Sample ID: <b>PB168328BL</b><br>Ammonia as N      | mg/Kg | < 2.5000   | 2.5000            | U         | 2.2  | 5   | 06/06/2025    |

## Matrix Spike Summary

|                   |                               |                                         |          |
|-------------------|-------------------------------|-----------------------------------------|----------|
| <b>Client:</b>    | US Army Corp of Engineers     | <b>SDG No.:</b>                         | Q2085    |
| <b>Project:</b>   | USACE NAB Sediment Project 25 | <b>Sample ID:</b>                       | Q2085-01 |
| <b>Client ID:</b> | SC-4-SED-051525MS             | <b>Percent Solids for Spike Sample:</b> | 75.7     |

| Analyte           | Units | Acceptance<br>Limit %R | Spiked<br>Result | Conc.<br>Qualifier | Sample<br>Result | Conc.<br>Qualifier | Spike<br>Added | Dilution<br>Factor | %<br>Rec | Qual | Analysis<br>Date |
|-------------------|-------|------------------------|------------------|--------------------|------------------|--------------------|----------------|--------------------|----------|------|------------------|
| Ammonia as N      | mg/Kg | 75-125                 | 76.0             |                    | 16.0             |                    | 63.5           | 1                  | 94       |      | 05/22/2025       |
| Phosphorus, Total | mg/Kg | 90-110                 | 93.2             | D                  | 62.3             |                    | 32.4           | 2                  | 95       |      | 05/28/2025       |
| TKN               | mg/Kg | 75-125                 | 505              |                    | 222              |                    | 320            | 1                  | 88       |      | 05/22/2025       |

## Matrix Spike Summary

|                   |                               |                                         |          |
|-------------------|-------------------------------|-----------------------------------------|----------|
| <b>Client:</b>    | US Army Corp of Engineers     | <b>SDG No.:</b>                         | Q2085    |
| <b>Project:</b>   | USACE NAB Sediment Project 25 | <b>Sample ID:</b>                       | Q2085-01 |
| <b>Client ID:</b> | SC-4-SED-051525MSD            | <b>Percent Solids for Spike Sample:</b> | 75.7     |

| Analyte           | Units | Acceptance<br>Limit %R | Spiked<br>Result | Conc.<br>Qualifier | Sample<br>Result | Conc.<br>Qualifier | Spike<br>Added | Dilution<br>Factor | %<br>Rec | Qual | Analysis<br>Date |
|-------------------|-------|------------------------|------------------|--------------------|------------------|--------------------|----------------|--------------------|----------|------|------------------|
| Ammonia as N      | mg/Kg | 75-125                 | 81.4             |                    | 16.0             |                    | 65.4           | 1                  | 100      |      | 05/22/2025       |
| Phosphorus, Total | mg/Kg | 90-110                 | 93.0             | D                  | 62.3             |                    | 32.4           | 2                  | 95       |      | 05/28/2025       |
| TKN               | mg/Kg | 75-125                 | 538              |                    | 222              |                    | 320            | 1                  | 99       |      | 05/22/2025       |

## Matrix Spike Summary

|                   |                               |                                         |          |
|-------------------|-------------------------------|-----------------------------------------|----------|
| <b>Client:</b>    | US Army Corp of Engineers     | <b>SDG No.:</b>                         | Q2085    |
| <b>Project:</b>   | USACE NAB Sediment Project 25 | <b>Sample ID:</b>                       | Q2085-04 |
| <b>Client ID:</b> | SC-1-SED-051625MS             | <b>Percent Solids for Spike Sample:</b> | 70.5     |

| Analyte           | Units | Acceptance<br>Limit %R | Spiked<br>Result | Conc.<br>Qualifier | Sample<br>Result | Conc.<br>Qualifier | Spike<br>Added | Dilution<br>Factor | %<br>Rec | Qual | Analysis<br>Date |
|-------------------|-------|------------------------|------------------|--------------------|------------------|--------------------|----------------|--------------------|----------|------|------------------|
| Phosphorus, Total | mg/Kg | 90-110                 | 62.7             |                    | 30.3             |                    | 33.8           | 1                  | 96       |      | 06/06/2025       |
| Ammonia as N      | mg/Kg | 75-125                 | 78.5             |                    | 13.0             |                    | 67.5           | 1                  | 97       |      | 06/06/2025       |
| TKN               | mg/Kg | 75-125                 | 792              | OR                 | 493              |                    | 350            | 1                  | 85       |      | 06/06/2025       |

## Matrix Spike Summary

|                   |                               |                                         |             |
|-------------------|-------------------------------|-----------------------------------------|-------------|
| <b>Client:</b>    | US Army Corp of Engineers     | <b>SDG No.:</b>                         | Q2085       |
| <b>Project:</b>   | USACE NAB Sediment Project 25 | <b>Sample ID:</b>                       | Q2085-04    |
| <b>Client ID:</b> | SC-1-SED-051625MSD            | <b>Percent Solids for Spike Sample:</b> | <b>70.5</b> |

| Analyte           | Units | Acceptance<br>Limit %R | Spiked<br>Result | Conc.<br>Qualifier | Sample<br>Result | Conc.<br>Qualifier | Spike<br>Added | Dilution<br>Factor | %<br>Rec | Qual | Analysis<br>Date |
|-------------------|-------|------------------------|------------------|--------------------|------------------|--------------------|----------------|--------------------|----------|------|------------------|
| Phosphorus, Total | mg/Kg | 90-110                 | 63.0             |                    | 30.3             |                    | 33.8           | 1                  | 97       |      | 06/06/2025       |
| Ammonia as N      | mg/Kg | 75-125                 | 81.9             |                    | 13.0             |                    | 69.5           | 1                  | 99       |      | 06/06/2025       |
| TKN               | mg/Kg | 75-125                 | 826              | OR                 | 493              |                    | 350            | 1                  | 95       |      | 06/06/2025       |

## Matrix Spike Summary

|                   |                               |                                         |          |
|-------------------|-------------------------------|-----------------------------------------|----------|
| <b>Client:</b>    | US Army Corp of Engineers     | <b>SDG No.:</b>                         | Q2085    |
| <b>Project:</b>   | USACE NAB Sediment Project 25 | <b>Sample ID:</b>                       | Q2085-08 |
| <b>Client ID:</b> | DUPE-1-SCMS                   | <b>Percent Solids for Spike Sample:</b> | 76.2     |

| Analyte | Units | Acceptance<br>Limit %R | Spiked<br>Result | Conc.<br>Qualifier | Sample<br>Result | Conc.<br>Qualifier | Spike<br>Added | Dilution<br>Factor | %<br>Rec | Qual | Analysis<br>Date |
|---------|-------|------------------------|------------------|--------------------|------------------|--------------------|----------------|--------------------|----------|------|------------------|
| TOC     | mg/Kg | 75-125                 | 4850             |                    | 3780             |                    | 1000           | 1                  | 107      |      | 05/23/2025       |

## Matrix Spike Summary

|                   |                               |                                         |          |
|-------------------|-------------------------------|-----------------------------------------|----------|
| <b>Client:</b>    | US Army Corp of Engineers     | <b>SDG No.:</b>                         | Q2085    |
| <b>Project:</b>   | USACE NAB Sediment Project 25 | <b>Sample ID:</b>                       | Q2085-08 |
| <b>Client ID:</b> | DUPE-1-SCMSD                  | <b>Percent Solids for Spike Sample:</b> | 76.2     |

| Analyte | Units | Acceptance<br>Limit %R | Spiked<br>Result | Conc.<br>Qualifier | Sample<br>Result | Conc.<br>Qualifier | Spike<br>Added | Dilution<br>Factor | %<br>Rec | Qual | Analysis<br>Date |
|---------|-------|------------------------|------------------|--------------------|------------------|--------------------|----------------|--------------------|----------|------|------------------|
| TOC     | mg/Kg | 75-125                 | 4660             |                    | 3780             |                    | 1000           | 1                  | 88       |      | 05/23/2025       |

## Duplicate Sample Summary

|                   |                               |                                         |          |
|-------------------|-------------------------------|-----------------------------------------|----------|
| <b>Client:</b>    | US Army Corp of Engineers     | <b>SDG No.:</b>                         | Q2085    |
| <b>Project:</b>   | USACE NAB Sediment Project 25 | <b>Sample ID:</b>                       | Q2085-01 |
| <b>Client ID:</b> | SC-4-SED-051525DUP            | <b>Percent Solids for Spike Sample:</b> | 75.7     |

| Analyte           | Units | Acceptance Limit | Sample Result | Conc. Qualifier | Duplicate Result | Conc. Qualifier | Dilution Factor | RPD/AD | Qual | Analysis Date |
|-------------------|-------|------------------|---------------|-----------------|------------------|-----------------|-----------------|--------|------|---------------|
| Ammonia as N      | mg/Kg | +/-20            | 16.0          |                 | 15.8             |                 | 1               | 1      |      | 05/22/2025    |
| TKN               | mg/Kg | +/-20            | 222           |                 | 234              |                 | 1               | 5      |      | 05/22/2025    |
| Phosphorus, Total | mg/Kg | +/-20            | 62.3          |                 | 61.9             |                 | 1               | 0.64   |      | 05/28/2025    |

## Duplicate Sample Summary

|                   |                               |                                         |          |
|-------------------|-------------------------------|-----------------------------------------|----------|
| <b>Client:</b>    | US Army Corp of Engineers     | <b>SDG No.:</b>                         | Q2085    |
| <b>Project:</b>   | USACE NAB Sediment Project 25 | <b>Sample ID:</b>                       | Q2085-01 |
| <b>Client ID:</b> | SC-4-SED-051525MSD            | <b>Percent Solids for Spike Sample:</b> | 75.7     |

| Analyte           | Units | Acceptance Limit | Sample Result | Conc. Qualifier | Duplicate Result | Conc. Qualifier | Dilution Factor | RPD/AD | Qual | Analysis Date |
|-------------------|-------|------------------|---------------|-----------------|------------------|-----------------|-----------------|--------|------|---------------|
| Ammonia as N      | mg/Kg | +/-20            | 76.0          |                 | 81.4             |                 | 1               | 7      |      | 05/22/2025    |
| TKN               | mg/Kg | +/-20            | 505           |                 | 538              |                 | 1               | 6      |      | 05/22/2025    |
| Phosphorus, Total | mg/Kg | +/-20            | 93.2          | D               | 93.0             | D               | 2               | 0.21   |      | 05/28/2025    |

## Duplicate Sample Summary

|                   |                               |                                         |          |
|-------------------|-------------------------------|-----------------------------------------|----------|
| <b>Client:</b>    | US Army Corp of Engineers     | <b>SDG No.:</b>                         | Q2085    |
| <b>Project:</b>   | USACE NAB Sediment Project 25 | <b>Sample ID:</b>                       | Q2085-04 |
| <b>Client ID:</b> | SC-1-SED-051625DUP            | <b>Percent Solids for Spike Sample:</b> | 70.5     |

| Analyte           | Units | Acceptance Limit | Sample Result | Conc. Qualifier | Duplicate Result | Conc. Qualifier | Dilution Factor | RPD/AD | Qual | Analysis Date |
|-------------------|-------|------------------|---------------|-----------------|------------------|-----------------|-----------------|--------|------|---------------|
| Phosphorus, Total | mg/Kg | +/-20            | 30.3          |                 | 30.9             |                 | 1               | 1.96   |      | 06/06/2025    |
| Ammonia as N      | mg/Kg | +/-20            | 13.0          |                 | 12.0             |                 | 1               | 8      |      | 06/06/2025    |
| TKN               | mg/Kg | +/-20            | 493           |                 | 513              |                 | 1               | 4      |      | 06/06/2025    |

## Duplicate Sample Summary

|                   |                               |                                         |          |
|-------------------|-------------------------------|-----------------------------------------|----------|
| <b>Client:</b>    | US Army Corp of Engineers     | <b>SDG No.:</b>                         | Q2085    |
| <b>Project:</b>   | USACE NAB Sediment Project 25 | <b>Sample ID:</b>                       | Q2085-04 |
| <b>Client ID:</b> | SC-1-SED-051625MSD            | <b>Percent Solids for Spike Sample:</b> | 70.5     |

| Analyte           | Units | Acceptance Limit | Sample Result | Conc. Qualifier | Duplicate Result | Conc. Qualifier | Dilution Factor | RPD/AD | Qual | Analysis Date |
|-------------------|-------|------------------|---------------|-----------------|------------------|-----------------|-----------------|--------|------|---------------|
| Phosphorus, Total | mg/Kg | +/-20            | 62.7          |                 | 63.0             |                 | 1               | 0.48   |      | 06/06/2025    |
| Ammonia as N      | mg/Kg | +/-20            | 78.5          |                 | 81.9             |                 | 1               | 4      |      | 06/06/2025    |
| TKN               | mg/Kg | +/-20            | 792           | OR              | 826              | OR              | 1               | 4      |      | 06/06/2025    |

## Duplicate Sample Summary

|                   |                               |                                         |          |
|-------------------|-------------------------------|-----------------------------------------|----------|
| <b>Client:</b>    | US Army Corp of Engineers     | <b>SDG No.:</b>                         | Q2085    |
| <b>Project:</b>   | USACE NAB Sediment Project 25 | <b>Sample ID:</b>                       | Q2085-08 |
| <b>Client ID:</b> | DUPE-1-SCMSD                  | <b>Percent Solids for Spike Sample:</b> | 76.2     |

| Analyte | Units | Acceptance<br>Limit | Sample<br>Result | Conc.<br>Qualifier | Duplicate<br>Result | Conc.<br>Qualifier | Dilution<br>Factor | RPD/<br>AD | Qual | Analysis<br>Date |
|---------|-------|---------------------|------------------|--------------------|---------------------|--------------------|--------------------|------------|------|------------------|
| TOC     | mg/Kg | +/-20               | 4850             |                    | 4660                |                    | 1                  | 4          |      | 05/23/2025       |

### Laboratory Control Sample Summary

**Client:** US Army Corp of Engineers

**SDG No.:** Q2085

**Project:** USACE NAB Sediment Project 25

**Run No.:** LB135894

| Analyte   | Units       | True Value | Result | Conc. Qualifier | % Recovery | Dilution Factor | Acceptance Limit %R | Analysis Date |
|-----------|-------------|------------|--------|-----------------|------------|-----------------|---------------------|---------------|
| Sample ID | LB135894BSS |            |        |                 |            |                 |                     |               |
| TOC       | mg/Kg       | 1000       | 1070   |                 | 107        | 1               | 90-110              | 05/23/2025    |

### Laboratory Control Sample Summary

**Client:** US Army Corp of Engineers

**SDG No.:** Q2085

**Project:** USACE NAB Sediment Project 25

**Run No.:** LB136025

| Analyte   | Units       | True Value | Result | Conc. Qualifier | % Recovery | Dilution Factor | Acceptance Limit %R | Analysis Date |
|-----------|-------------|------------|--------|-----------------|------------|-----------------|---------------------|---------------|
| Sample ID | LB136025BSS |            |        |                 |            |                 |                     |               |
| TOC       | mg/Kg       | 1000       | 997    |                 | 100        | 1               | 90-110              | 06/06/2025    |

### Laboratory Control Sample Summary

**Client:** US Army Corp of Engineers

**SDG No.:** Q2085

**Project:** USACE NAB Sediment Project 25

**Run No.:** LB135888

| Analyte   | Units      | True Value | Result | Conc. Qualifier | % Recovery | Dilution Factor | Acceptance Limit %R | Analysis Date |
|-----------|------------|------------|--------|-----------------|------------|-----------------|---------------------|---------------|
| Sample ID | PB168096BS |            |        |                 |            |                 |                     |               |
| TKN       | mg/Kg      | 250        | 240    |                 | 96         | 1               | 90-110              | 05/22/2025    |

### Laboratory Control Sample Summary

**Client:** US Army Corp of Engineers

**SDG No.:** Q2085

**Project:** USACE NAB Sediment Project 25

**Run No.:** LB135882

| Analyte      | Units      | True Value | Result | Conc. Qualifier | % Recovery | Dilution Factor | Acceptance Limit %R | Analysis Date |
|--------------|------------|------------|--------|-----------------|------------|-----------------|---------------------|---------------|
| Sample ID    | PB168128BS |            |        |                 |            |                 |                     |               |
| Ammonia as N | mg/Kg      | 50         | 50.9   |                 | 102        | 1               | 90-110              | 05/22/2025    |

### Laboratory Control Sample Summary

**Client:** US Army Corp of Engineers

**SDG No.:** Q2085

**Project:** USACE NAB Sediment Project 25

**Run No.:** LB135933

| Analyte           | Units      | True Value | Result | Conc. Qualifier | % Recovery | Dilution Factor | Acceptance Limit %R | Analysis Date |
|-------------------|------------|------------|--------|-----------------|------------|-----------------|---------------------|---------------|
| Sample ID         | PB168183BS |            |        |                 |            |                 |                     |               |
| Phosphorus, Total | mg/Kg      | 25.0       | 24.8   |                 | 99         | 1               | 90-110              | 05/28/2025    |

### Laboratory Control Sample Summary

**Client:** US Army Corp of Engineers

**SDG No.:** Q2085

**Project:** USACE NAB Sediment Project 25

**Run No.:** LB136037

| Analyte           | Units      | True Value | Result | Conc. Qualifier | % Recovery | Dilution Factor | Acceptance Limit %R | Analysis Date |
|-------------------|------------|------------|--------|-----------------|------------|-----------------|---------------------|---------------|
| Sample ID         | PB168315BS |            |        |                 |            |                 |                     |               |
| Phosphorus, Total | mg/Kg      | 25.0       | 25.0   |                 | 100        | 1               | 90-110              | 06/06/2025    |

### Laboratory Control Sample Summary

**Client:** US Army Corp of Engineers

**SDG No.:** Q2085

**Project:** USACE NAB Sediment Project 25

**Run No.:** LB136043

| Analyte   | Units      | True Value | Result | Conc. Qualifier | % Recovery | Dilution Factor | Acceptance Limit %R | Analysis Date |
|-----------|------------|------------|--------|-----------------|------------|-----------------|---------------------|---------------|
| Sample ID | PB168327BS |            |        |                 |            |                 |                     |               |
| TKN       | mg/Kg      | 250        | 242    |                 | 97         | 1               | 90-110              | 06/06/2025    |

### Laboratory Control Sample Summary

**Client:** US Army Corp of Engineers

**SDG No.:** Q2085

**Project:** USACE NAB Sediment Project 25

**Run No.:** LB136039

| Analyte      | Units      | True Value | Result | Conc. Qualifier | % Recovery | Dilution Factor | Acceptance Limit %R | Analysis Date |
|--------------|------------|------------|--------|-----------------|------------|-----------------|---------------------|---------------|
| Sample ID    | PB168328BS |            |        |                 |            |                 |                     |               |
| Ammonia as N | mg/Kg      | 50         | 53.9   |                 | 108        | 1               | 90-110              | 06/06/2025    |