

## Matrix Spike Summary

|                   |                               |                                         |          |
|-------------------|-------------------------------|-----------------------------------------|----------|
| <b>Client:</b>    | Tetra Tech NUS, Inc.          | <b>SDG No.:</b>                         | Q2536    |
| <b>Project:</b>   | NWIRP Bethpage 112G08005-WE13 | <b>Sample ID:</b>                       | Q2470-01 |
| <b>Client ID:</b> | SW-1MS                        | <b>Percent Solids for Spike Sample:</b> | 0        |

| 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/L  | 90-110                 | 0.66             |                    | 0.18             |                    | 0.5            | 1                  | 95       |      | 07/09/2025       |

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|                   |                               |                                         |          |
|-------------------|-------------------------------|-----------------------------------------|----------|
| <b>Client:</b>    | Tetra Tech NUS, Inc.          | <b>SDG No.:</b>                         | Q2536    |
| <b>Project:</b>   | NWIRP Bethpage 112G08005-WE13 | <b>Sample ID:</b>                       | Q2470-01 |
| <b>Client ID:</b> | SW-1MSD                       | <b>Percent Solids for Spike Sample:</b> | 0        |

| 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/L  | 90-110                 | 0.66             |                    | 0.18             |                    | 0.5            | 1                  | 95       |      | 07/09/2025       |

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|                   |                               |                                         |          |
|-------------------|-------------------------------|-----------------------------------------|----------|
| <b>Client:</b>    | Tetra Tech NUS, Inc.          | <b>SDG No.:</b>                         | Q2536    |
| <b>Project:</b>   | NWIRP Bethpage 112G08005-WE13 | <b>Sample ID:</b>                       | Q2536-01 |
| <b>Client ID:</b> | RW5-SP100-20250708MS          | <b>Percent Solids for Spike Sample:</b> | 0        |

| 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/L  | 75-125                 | 9.90             |                    | 0.54             | J                  | 10             | 1                  | 94       |      | 07/10/2025       |
| Ammonia as N | mg/L  | 75-125                 | 0.99             |                    | 0.030            | U                  | 1              | 1                  | 99       |      | 07/14/2025       |
| Sulfide      | mg/L  | 75-125                 | 24.2             |                    | 0.43             | U                  | 25.0           | 1                  | 97       |      | 07/10/2025       |
| Cyanide      | mg/L  | 75-125                 | 0.040            |                    | 0.00096          | U                  | 0.04           | 1                  | 100      |      | 07/11/2025       |

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|-------------------|-------------------------------|-----------------------------------------|----------|
| <b>Client:</b>    | Tetra Tech NUS, Inc.          | <b>SDG No.:</b>                         | Q2536    |
| <b>Project:</b>   | NWIRP Bethpage 112G08005-WE13 | <b>Sample ID:</b>                       | Q2536-01 |
| <b>Client ID:</b> | RW5-SP100-20250708MSD         | <b>Percent Solids for Spike Sample:</b> | 0        |

| 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/L  | 75-125                 | 9.90             |                    | 0.54             | J                  | 10             | 1                  | 94       |      | 07/10/2025       |
| Ammonia as N | mg/L  | 75-125                 | 1.00             |                    | 0.030            | U                  | 1              | 1                  | 100      |      | 07/14/2025       |
| Sulfide      | mg/L  | 75-125                 | 24.3             |                    | 0.43             | U                  | 25.0           | 1                  | 97       |      | 07/10/2025       |
| Cyanide      | mg/L  | 75-125                 | 0.039            |                    | 0.00096          | U                  | 0.04           | 1                  | 98       |      | 07/11/2025       |

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|                   |                               |                                         |          |
|-------------------|-------------------------------|-----------------------------------------|----------|
| <b>Client:</b>    | Tetra Tech NUS, Inc.          | <b>SDG No.:</b>                         | Q2536    |
| <b>Project:</b>   | NWIRP Bethpage 112G08005-WE13 | <b>Sample ID:</b>                       | Q2536-03 |
| <b>Client ID:</b> | RW8-SP100-20250708MS          | <b>Percent Solids for Spike Sample:</b> | 0        |

| 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 |
|---------------------|-------|------------------------|------------------|--------------------|------------------|--------------------|----------------|--------------------|----------|------|------------------|
| Bromide             | mg/L  | 80-120                 | 10.2             | OR                 | 0.37             | U                  | 10             | 1                  | 102      |      | 07/09/2025       |
| Chloride            | mg/L  | 80-120                 | 14.3             |                    | 11.5             | OR                 | 3              | 1                  | 93       |      | 07/09/2025       |
| Fluoride            | mg/L  | 80-120                 | 2.00             |                    | 0.11             | U                  | 2              | 1                  | 100      |      | 07/09/2025       |
| Nitrite             | mg/L  | 80-120                 | 3.00             |                    | 0.074            | U                  | 3              | 1                  | 100      |      | 07/09/2025       |
| Nitrate             | mg/L  | 80-120                 | 2.60             |                    | 0.15             | J                  | 2.5            | 1                  | 98       |      | 07/09/2025       |
| Sulfate             | mg/L  | 80-120                 | 23.2             |                    | 8.70             |                    | 15             | 1                  | 97       |      | 07/09/2025       |
| Orthophosphate as P | mg/L  | 80-120                 | 4.60             |                    | 0.34             | U                  | 5              | 1                  | 92       |      | 07/09/2025       |

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|                   |                               |                                         |          |
|-------------------|-------------------------------|-----------------------------------------|----------|
| <b>Client:</b>    | Tetra Tech NUS, Inc.          | <b>SDG No.:</b>                         | Q2536    |
| <b>Project:</b>   | NWIRP Bethpage 112G08005-WE13 | <b>Sample ID:</b>                       | Q2536-03 |
| <b>Client ID:</b> | RW8-SP100-20250708MSD         | <b>Percent Solids for Spike Sample:</b> | 0        |

| 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 |
|---------------------|-------|------------------------|------------------|--------------------|------------------|--------------------|----------------|--------------------|----------|------|------------------|
| Bromide             | mg/L  | 80-120                 | 9.90             | OR                 | 0.37             | U                  | 10             | 1                  | 99       |      | 07/09/2025       |
| Chloride            | mg/L  | 80-120                 | 14.2             |                    | 11.5             | OR                 | 3              | 1                  | 90       |      | 07/09/2025       |
| Fluoride            | mg/L  | 80-120                 | 2.00             |                    | 0.11             | U                  | 2              | 1                  | 100      |      | 07/09/2025       |
| Nitrite             | mg/L  | 80-120                 | 2.90             |                    | 0.074            | U                  | 3              | 1                  | 97       |      | 07/09/2025       |
| Nitrate             | mg/L  | 80-120                 | 2.50             |                    | 0.15             | J                  | 2.5            | 1                  | 94       |      | 07/09/2025       |
| Sulfate             | mg/L  | 80-120                 | 22.7             |                    | 8.70             |                    | 15             | 1                  | 93       |      | 07/09/2025       |
| Orthophosphate as P | mg/L  | 80-120                 | 4.80             |                    | 0.34             | U                  | 5              | 1                  | 96       |      | 07/09/2025       |

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|                   |                               |                                         |          |
|-------------------|-------------------------------|-----------------------------------------|----------|
| <b>Client:</b>    | Tetra Tech NUS, Inc.          | <b>SDG No.:</b>                         | Q2536    |
| <b>Project:</b>   | NWIRP Bethpage 112G08005-WE13 | <b>Sample ID:</b>                       | Q2602-01 |
| <b>Client ID:</b> | FRAC-TANK-266380MS            | <b>Percent Solids for Spike Sample:</b> | 0        |

| 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 |
|---------|-------|------------------------|------------------|--------------------|------------------|--------------------|----------------|--------------------|----------|------|------------------|
| COD     | mg/L  | 75-125                 | 46.9             |                    | 1.50             | U                  | 50.0           | 1                  | 94       |      | 07/15/2025       |

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|                   |                               |                                         |          |
|-------------------|-------------------------------|-----------------------------------------|----------|
| <b>Client:</b>    | Tetra Tech NUS, Inc.          | <b>SDG No.:</b>                         | Q2536    |
| <b>Project:</b>   | NWIRP Bethpage 112G08005-WE13 | <b>Sample ID:</b>                       | Q2602-01 |
| <b>Client ID:</b> | FRAC-TANK-266380MSD           | <b>Percent Solids for Spike Sample:</b> | 0        |

| 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 |
|---------|-------|------------------------|------------------|--------------------|------------------|--------------------|----------------|--------------------|----------|------|------------------|
| COD     | mg/L  | 75-125                 | 47.9             |                    | 1.50             | U                  | 50.0           | 1                  | 96       |      | 07/15/2025       |