

## LAB CHRONICLE

|                 |                      |                   |                               |
|-----------------|----------------------|-------------------|-------------------------------|
| <b>OrderID:</b> | Q3690                | <b>OrderDate:</b> | 11/20/2025 9:59:00 AM         |
| <b>Client:</b>  | Tetra Tech NUS, Inc. | <b>Project:</b>   | NWIRP Bethpage 112G08005-WE13 |
| <b>Contact:</b> | Ernie Wu             | <b>Location:</b>  | A11                           |

| LabID    | ClientID           | Matrix | Test           | Method        | Sample Date | Prep Date | Anal Date | Received |
|----------|--------------------|--------|----------------|---------------|-------------|-----------|-----------|----------|
| Q3690-01 | RW8-SP100-20251118 | Water  |                |               | 11/18/25    |           |           | 11/20/25 |
|          |                    |        | SVOC-SIMGroup1 | 8270-Modified |             | 11/21/25  | 12/01/25  |          |
| Q3690-02 | RW8-SP303-20251118 | Water  |                |               | 11/18/25    |           |           | 11/20/25 |
|          |                    |        | SVOC-SIMGroup1 | 8270-Modified |             | 11/21/25  | 12/01/25  |          |



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,  
Fax : 908 789 8922

**Hit Summary Sheet**  
**SW-846**

**SDG No.:** Q3690  
**Client:** Tetra Tech NUS, Inc.

| Sample ID            | Client ID | Matrix | Parameter | Concentration | C    | MDL | LOD | RDL | Units |
|----------------------|-----------|--------|-----------|---------------|------|-----|-----|-----|-------|
| Client ID :          |           |        |           | 0.000         |      |     |     |     |       |
| Total Svoc :         |           |        |           |               | 0.00 |     |     |     |       |
| Total Concentration: |           |        |           |               | 0.00 |     |     |     |       |



# SAMPLE DATA

## Report of Analysis

|                    |                               |                     |                 |                |
|--------------------|-------------------------------|---------------------|-----------------|----------------|
| Client:            | Tetra Tech NUS, Inc.          |                     | Date Collected: | 11/18/25       |
| Project:           | NWIRP Bethpage 112G08005-WE13 |                     | Date Received:  | 11/20/25       |
| Client Sample ID:  | RW8-SP100-20251118            |                     | SDG No.:        | Q3690          |
| Lab Sample ID:     | Q3690-01                      |                     | Matrix:         | Water          |
| Analytical Method: | SW8270ESIM                    | Level: LOW          | % Solid:        | 0              |
| Sample Wt/Vol:     | 1000 mL                       | Final Vol: 1000 uL  | Test:           | SVOC-SIMGroup1 |
| Prep Method :      | 3510C                         | Prep Date: 11/21/25 |                 |                |

| CAS Number                | Parameter               | Conc.             | Qua. | DF | MDL      | LOD  | LOQ / CRQL | Units    | Date Ana.      | Prep BatchID |
|---------------------------|-------------------------|-------------------|------|----|----------|------|------------|----------|----------------|--------------|
| <b>TARGETS</b>            |                         |                   |      |    |          |      |            |          |                |              |
| 123-91-1                  | 1,4-Dioxane             | 0.20              | U    | 1  | 0.070    | 0.20 | 0.20       | ug/L     | 12/01/25 23:17 | PB170712     |
| <b>SURROGATES</b>         |                         |                   |      |    |          |      |            |          |                |              |
| 7297-45-2                 | 2-Methylnaphthalene-d10 | 0.31              |      |    | 30 - 150 |      | 76%        | SPK: 0.4 |                |              |
| 93951-69-0                | Fluoranthene-d10        | 0.44              |      |    | 30 - 150 |      | 109%       | SPK: 0.4 |                |              |
| 4165-60-0                 | Nitrobenzene-d5         | 0.34              |      |    | 55 - 111 |      | 85%        | SPK: 0.4 |                |              |
| 321-60-8                  | 2-Fluorobiphenyl        | 0.39              |      |    | 53 - 106 |      | 97%        | SPK: 0.4 |                |              |
| 1718-51-0                 | Terphenyl-d14           | 0.42              |      |    | 58 - 132 |      | 105%       | SPK: 0.4 |                |              |
| <b>INTERNAL STANDARDS</b> |                         |                   |      |    |          |      |            |          |                |              |
|                           |                         | <b>Area Count</b> |      |    |          |      |            |          |                |              |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4  | 9530              |      |    |          |      |            |          |                |              |
| 1146-65-2                 | Naphthalene-d8          | 28800             |      |    |          |      |            |          |                |              |
| 15067-26-2                | Acenaphthene-d10        | 13400             |      |    |          |      |            |          |                |              |
| 1517-22-2                 | Phenanthrene-d10        | 20400             |      |    |          |      |            |          |                |              |
| 1719-03-5                 | Chrysene-d12            | 15900             |      |    |          |      |            |          |                |              |
| 1520-96-3                 | Perylene-d12            | 16900             |      |    |          |      |            |          |                |              |

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

## Report of Analysis

|                    |                               |                     |                 |                |
|--------------------|-------------------------------|---------------------|-----------------|----------------|
| Client:            | Tetra Tech NUS, Inc.          |                     | Date Collected: | 11/18/25       |
| Project:           | NWIRP Bethpage 112G08005-WE13 |                     | Date Received:  | 11/20/25       |
| Client Sample ID:  | RW8-SP303-20251118            |                     | SDG No.:        | Q3690          |
| Lab Sample ID:     | Q3690-02                      |                     | Matrix:         | Water          |
| Analytical Method: | SW8270ESIM                    | Level: LOW          | % Solid:        | 0              |
| Sample Wt/Vol:     | 970 mL                        | Final Vol: 1000 uL  | Test:           | SVOC-SIMGroup1 |
| Prep Method :      | 3510C                         | Prep Date: 11/21/25 |                 |                |

| CAS Number                | Parameter               | Conc.             | Qua. | DF | MDL      | LOD  | LOQ / CRQL | Units    | Date Ana.      | Prep BatchID |
|---------------------------|-------------------------|-------------------|------|----|----------|------|------------|----------|----------------|--------------|
| <b>TARGETS</b>            |                         |                   |      |    |          |      |            |          |                |              |
| 123-91-1                  | 1,4-Dioxane             | 0.21              | U    | 1  | 0.070    | 0.21 | 0.21       | ug/L     | 12/01/25 23:54 | PB170712     |
| <b>SURROGATES</b>         |                         |                   |      |    |          |      |            |          |                |              |
| 7297-45-2                 | 2-Methylnaphthalene-d10 | 0.27              |      |    | 30 - 150 |      | 68%        | SPK: 0.4 |                |              |
| 93951-69-0                | Fluoranthene-d10        | 0.43              |      |    | 30 - 150 |      | 108%       | SPK: 0.4 |                |              |
| 4165-60-0                 | Nitrobenzene-d5         | 0.34              |      |    | 55 - 111 |      | 86%        | SPK: 0.4 |                |              |
| 321-60-8                  | 2-Fluorobiphenyl        | 0.30              |      |    | 53 - 106 |      | 76%        | SPK: 0.4 |                |              |
| 1718-51-0                 | Terphenyl-d14           | 0.40              |      |    | 58 - 132 |      | 101%       | SPK: 0.4 |                |              |
| <b>INTERNAL STANDARDS</b> |                         |                   |      |    |          |      |            |          |                |              |
|                           |                         | <b>Area Count</b> |      |    |          |      |            |          |                |              |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4  | 8420              |      |    |          |      |            |          |                |              |
| 1146-65-2                 | Naphthalene-d8          | 23800             |      |    |          |      |            |          |                |              |
| 15067-26-2                | Acenaphthene-d10        | 11100             |      |    |          |      |            |          |                |              |
| 1517-22-2                 | Phenanthrene-d10        | 18400             |      |    |          |      |            |          |                |              |
| 1719-03-5                 | Chrysene-d12            | 14700             |      |    |          |      |            |          |                |              |
| 1520-96-3                 | Perylene-d12            | 15600             |      |    |          |      |            |          |                |              |

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products



# QC SUMMARY

## Surrogate Summary

SW-846

SDG No.: Q3690

Client: Tetra Tech NUS, Inc.

Analytical Method: 8270-Modified

| Lab Sample ID | Client ID          | Parameter               | Spike (PPM) | Result (PPM) | Recovery (%) | Qual | Limits (%) |      |
|---------------|--------------------|-------------------------|-------------|--------------|--------------|------|------------|------|
|               |                    |                         |             |              |              |      | Low        | High |
| PB170712BL    | PB170712BL         | 2-Methylnaphthalene-d10 | 0.4         | 0.32         | 79           |      | 30         | 150  |
|               |                    | Fluoranthene-d10        | 0.4         | 0.36         | 91           |      | 30         | 150  |
|               |                    | Nitrobenzene-d5         | 0.4         | 0.36         | 90           |      | 55         | 111  |
|               |                    | 2-Fluorobiphenyl        | 0.4         | 0.39         | 98           |      | 53         | 106  |
|               |                    | Terphenyl-d14           | 0.4         | 0.35         | 88           |      | 58         | 132  |
| PB170712BS    | PB170712BS         | 2-Methylnaphthalene-d10 | 0.4         | 0.41         | 101          |      | 30         | 150  |
|               |                    | Fluoranthene-d10        | 0.4         | 0.36         | 90           |      | 30         | 150  |
|               |                    | Nitrobenzene-d5         | 0.4         | 0.40         | 99           |      | 55         | 111  |
|               |                    | 2-Fluorobiphenyl        | 0.4         | 0.45         | 113          | *    | 53         | 106  |
|               |                    | Terphenyl-d14           | 0.4         | 0.36         | 91           |      | 58         | 132  |
| PB170712BSD   | PB170712BSD        | 2-Methylnaphthalene-d10 | 0.4         | 0.35         | 86           |      | 30         | 150  |
|               |                    | Fluoranthene-d10        | 0.4         | 0.39         | 97           |      | 30         | 150  |
|               |                    | Nitrobenzene-d5         | 0.4         | 0.40         | 100          |      | 55         | 111  |
|               |                    | 2-Fluorobiphenyl        | 0.4         | 0.43         | 107          | *    | 53         | 106  |
|               |                    | Terphenyl-d14           | 0.4         | 0.32         | 79           |      | 58         | 132  |
| Q3690-01      | RW8-SP100-20251118 | 2-Methylnaphthalene-d10 | 0.4         | 0.31         | 76           |      | 30         | 150  |
|               |                    | Fluoranthene-d10        | 0.4         | 0.44         | 109          |      | 30         | 150  |
|               |                    | Nitrobenzene-d5         | 0.4         | 0.34         | 85           |      | 55         | 111  |
|               |                    | 2-Fluorobiphenyl        | 0.4         | 0.39         | 97           |      | 53         | 106  |
|               |                    | Terphenyl-d14           | 0.4         | 0.42         | 105          |      | 58         | 132  |
| Q3690-02      | RW8-SP303-20251118 | 2-Methylnaphthalene-d10 | 0.4         | 0.27         | 68           |      | 30         | 150  |
|               |                    | Fluoranthene-d10        | 0.4         | 0.43         | 108          |      | 30         | 150  |
|               |                    | Nitrobenzene-d5         | 0.4         | 0.34         | 86           |      | 55         | 111  |
|               |                    | 2-Fluorobiphenyl        | 0.4         | 0.30         | 76           |      | 53         | 106  |
|               |                    | Terphenyl-d14           | 0.4         | 0.40         | 101          |      | 58         | 132  |

**Laboratory Control Sample/Laboratory Control Sample Duplicate Summary**

SW-846

SDG No.: Q3690

Analytical Method: 8270-Modified

Client: Tetra Tech NUS, Inc.

DataFile: BN038232.D

| Lab Sample ID | Parameter   | Spike | Result | Unit | Rec | RPD | Qual | RPD  | Limits |      | RPD |
|---------------|-------------|-------|--------|------|-----|-----|------|------|--------|------|-----|
|               |             |       |        |      |     |     |      | Qual | Low    | High |     |
| PB170712BS    | 1,4-Dioxane | 0.4   | 0.33   | ug/L | 83  |     |      |      | 70     | 130  |     |

**Laboratory Control Sample/Laboratory Control Sample Duplicate Summary**

SW-846

SDG No.: Q3690

Analytical Method: 8270-Modified

Client: Tetra Tech NUS, Inc.

DataFile: BN038238.D

| Lab Sample ID | Parameter   | Spike | Result | Unit | Rec | RPD | Qual | RPD  | Limits |      | RPD |
|---------------|-------------|-------|--------|------|-----|-----|------|------|--------|------|-----|
|               |             |       |        |      |     |     |      | Qual | Low    | High |     |
| PB170712BSD   | 1,4-Dioxane | 0.4   | 0.30   | ug/L | 75  | 10  |      |      | 70     | 130  | 20  |

4B

SEMIVOLATILE METHOD BLANK SUMMARY

Client ID

PB170712BL

Lab Name: Alliance

Contract: TETR06

Lab Code: ACE

SDG NO.: Q3690

Lab File ID: BN038231.D

Lab Sample ID: PB170712BL

Instrument ID: BNA\_N

Date Extracted: 11/21/2025

Matrix: (soil/water) Water

Date Analyzed: 12/01/2025

Level: (low/med) LOW

Time Analyzed: 18:28

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

| EPA<br>SAMPLE NO.  | LAB<br>SAMPLE ID | LAB<br>FILE ID | DATE<br>ANALYZED |
|--------------------|------------------|----------------|------------------|
| PB170712BS         | PB170712BS       | BN038232.D     | 12/01/2025       |
| PB170712BSD        | PB170712BSD      | BN038238.D     | 12/01/2025       |
| RW8-SP100-20251118 | Q3690-01         | BN038239.D     | 12/01/2025       |
| RW8-SP303-20251118 | Q3690-02         | BN038240.D     | 12/01/2025       |

COMMENTS: \_\_\_\_\_  
\_\_\_\_\_

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK  
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance  
Lab Code: ACE  
Lab File ID: BN038211.D  
Instrument ID: BNA\_N

Contract: TETR06  
SDG NO.: Q3690  
DFTPP Injection Date: 11/26/2025  
DFTPP Injection Time: 19:55

| m/e | ION ABUNDANCE CRITERIA             | % RELATIVE ABUNDANCE |
|-----|------------------------------------|----------------------|
| 68  | Less than 2.0% of mass 69          | 0.6 ( 1.8 ) 1        |
| 69  | Mass 69 relative abundance         | 100                  |
| 70  | Less than 2.0% of mass 69          | 0.2 ( 0.5 ) 1        |
| 197 | Less than 2.0% of mass 198         | 0.0                  |
| 198 | Base Peak, 100% relative abundance | 100                  |
| 199 | 5.0 to 9.0% of mass 198            | 6.6                  |
| 365 | Greater than 1% of mass 198        | 3.6                  |
| 441 | Present, but less than mass 443    | 78.5                 |
| 442 | Greater than 50% of mass 198       | 100                  |
| 443 | 15.0 - 24.0% of mass 442           | 18.4 (20.3) 2        |

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

| EPA<br>SAMPLE NO. | LAB<br>SAMPLE ID | LAB<br>FILE ID | DATE<br>ANALYZED | TIME<br>ANALYZED |
|-------------------|------------------|----------------|------------------|------------------|
| SSTDICC0.1        | SSTDICC0.1       | BN038212.D     | 11/26/2025       | 20:35            |
| SSTDICC0.2        | SSTDICC0.2       | BN038213.D     | 11/26/2025       | 21:12            |
| SSTDICCC0.4       | SSTDICCC0.4      | BN038214.D     | 11/26/2025       | 21:48            |
| SSTDICC0.8        | SSTDICC0.8       | BN038215.D     | 11/26/2025       | 22:25            |
| SSTDICC1.6        | SSTDICC1.6       | BN038216.D     | 11/26/2025       | 23:01            |
| SSTDICC3.2        | SSTDICC3.2       | BN038217.D     | 11/26/2025       | 23:37            |
| SSTDICC5.0        | SSTDICC5.0       | BN038218.D     | 11/27/2025       | 00:13            |

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK  
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance  
Lab Code: ACE  
Lab File ID: BN038229.D  
Instrument ID: BNA\_N

Contract: TETR06  
SDG NO.: Q3690  
DFTPP Injection Date: 12/01/2025  
DFTPP Injection Time: 17:11

| m/e | ION ABUNDANCE CRITERIA             | % RELATIVE ABUNDANCE |
|-----|------------------------------------|----------------------|
| 68  | Less than 2.0% of mass 69          | 0.7 ( 1.8 ) 1        |
| 69  | Mass 69 relative abundance         | 100                  |
| 70  | Less than 2.0% of mass 69          | 0.2 ( 0.5 ) 1        |
| 197 | Less than 2.0% of mass 198         | 0.0                  |
| 198 | Base Peak, 100% relative abundance | 100                  |
| 199 | 5.0 to 9.0% of mass 198            | 6.7                  |
| 365 | Greater than 1% of mass 198        | 3.4                  |
| 441 | Present, but less than mass 443    | 87.9                 |
| 442 | Greater than 50% of mass 198       | 100                  |
| 443 | 15.0 - 24.0% of mass 442           | 16.5 (19.9) 2        |

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

| EPA<br>SAMPLE NO.  | LAB<br>SAMPLE ID | LAB<br>FILE ID | DATE<br>ANALYZED | TIME<br>ANALYZED |
|--------------------|------------------|----------------|------------------|------------------|
| SSTDCCC0.4         | SSTDCCC0.4       | BN038230.D     | 12/01/2025       | 17:51            |
| PB170712BL         | PB170712BL       | BN038231.D     | 12/01/2025       | 18:28            |
| PB170712BS         | PB170712BS       | BN038232.D     | 12/01/2025       | 19:04            |
| PB170712BSD        | PB170712BSD      | BN038238.D     | 12/01/2025       | 22:42            |
| RW8-SP100-20251118 | Q3690-01         | BN038239.D     | 12/01/2025       | 23:17            |
| RW8-SP303-20251118 | Q3690-02         | BN038240.D     | 12/01/2025       | 23:54            |
| SSTDCCC0.4EC       | SSTDCCC0.4       | BN038248.D     | 12/02/2025       | 04:44            |

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE

SDG NO.: Q3690

Client ID : SSTDCCC0.4

Date Analyzed: 12/01/2025

Lab File ID: BN038230.D

Time Analyzed: 17:51

Instrument ID: BNA\_N

GC Column: ZB-GR ID: 0.25 (mm)

|                       | IS1 (DCB)<br>AREA # | RT #  | IS2 (NPT)<br>AREA # | RT #   | IS3 (ANT)<br>AREA # | RT #  |
|-----------------------|---------------------|-------|---------------------|--------|---------------------|-------|
| 12 HOUR STD           | 8054                | 7.768 | 24560               | 10.56  | 13292               | 14.43 |
| UPPER LIMIT           | 16108               | 8.268 | 49120               | 11.062 | 26584               | 14.93 |
| LOWER LIMIT           | 4027                | 7.268 | 12280               | 10.062 | 6646                | 13.93 |
| EPA SAMPLE NO.        |                     |       |                     |        |                     |       |
| 01 PB170712BS         | 7901                | 7.77  | 22379               | 10.56  | 10358               | 14.43 |
| 02 PB170712BL         | 8256                | 7.77  | 22952               | 10.57  | 10779               | 14.43 |
| 03 PB170712BSD        | 9081                | 7.77  | 25072               | 10.56  | 10824               | 14.43 |
| 04 RW8-SP100-20251118 | 9532                | 7.77  | 28839               | 10.56  | 13442               | 14.42 |
| 05 RW8-SP303-20251118 | 8417                | 7.77  | 23771               | 10.56  | 11088               | 14.43 |

IS1 (DCB) = 1,4-Dichlorobenzene-d4

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

# Column used to flag values outside QC limits with an asterisk.

\* Values outside of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE

SDG NO.: Q3690

Client ID: SSTDCCC0.4

Date Analyzed: 12/01/2025

Lab File ID: BN038230.D

Time Analyzed: 17:51

Instrument ID: BNA\_N

GC Column: ZB-GR ID: 0.25 (mm)

|                       | IS4 (PHN)<br>AREA # | RT #   | IS5 (CRY)<br>AREA # | RT #   | IS6 (PRY)<br>AREA # | RT #   |
|-----------------------|---------------------|--------|---------------------|--------|---------------------|--------|
| 12 HOUR STD           | 21033               | 17.173 | 11703               | 21.366 | 11756               | 23.674 |
| UPPER LIMIT           | 42066               | 17.673 | 23406               | 21.866 | 23512               | 24.174 |
| LOWER LIMIT           | 10516.5             | 16.673 | 5851.5              | 20.866 | 5878                | 23.174 |
| EPA SAMPLE NO.        |                     |        |                     |        |                     |        |
| 01 PB170712BS         | 14739               | 17.19  | 10142               | 21.37  | 10375               | 23.67  |
| 02 PB170712BL         | 14873               | 17.19  | 10479               | 21.38  | 10853               | 23.68  |
| 03 PB170712BSD        | 16101               | 17.17  | 14003               | 21.37  | 15858               | 23.67  |
| 04 RW8-SP100-20251118 | 20421               | 17.17  | 15899               | 21.37  | 16933               | 23.67  |
| 05 RW8-SP303-20251118 | 18387               | 17.17  | 14715               | 21.37  | 15551               | 23.67  |

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

# Column used to flag values outside QC limits with an asterisk.

\* Values outside of QC limits.



# QC SAMPLE DATA

## Report of Analysis

|                    |                               |                     |                 |                |
|--------------------|-------------------------------|---------------------|-----------------|----------------|
| Client:            | Tetra Tech NUS, Inc.          |                     | Date Collected: |                |
| Project:           | NWIRP Bethpage 112G08005-WE13 |                     | Date Received:  |                |
| Client Sample ID:  | PB170712BL                    |                     | SDG No.:        | Q3690          |
| Lab Sample ID:     | PB170712BL                    |                     | Matrix:         | Water          |
| Analytical Method: | SW8270ESIM                    | Level: LOW          | % Solid:        | 0              |
| Sample Wt/Vol:     | 1000 mL                       | Final Vol: 1000 uL  | Test:           | SVOC-SIMGroup1 |
| Prep Method :      | 3510C                         | Prep Date: 11/21/25 |                 |                |

| CAS Number                | Parameter               | Conc.             | Qua. | DF | MDL      | LOD  | LOQ / CRQL | Units    | Date Ana.      | Prep BatchID |
|---------------------------|-------------------------|-------------------|------|----|----------|------|------------|----------|----------------|--------------|
| <b>TARGETS</b>            |                         |                   |      |    |          |      |            |          |                |              |
| 123-91-1                  | 1,4-Dioxane             | 0.20              | U    | 1  | 0.070    | 0.20 | 0.20       | ug/L     | 12/01/25 18:28 | PB170712     |
| <b>SURROGATES</b>         |                         |                   |      |    |          |      |            |          |                |              |
| 7297-45-2                 | 2-Methylnaphthalene-d10 | 0.32              |      |    | 30 - 150 |      | 79%        | SPK: 0.4 |                |              |
| 93951-69-0                | Fluoranthene-d10        | 0.36              |      |    | 30 - 150 |      | 91%        | SPK: 0.4 |                |              |
| 4165-60-0                 | Nitrobenzene-d5         | 0.36              |      |    | 55 - 111 |      | 90%        | SPK: 0.4 |                |              |
| 321-60-8                  | 2-Fluorobiphenyl        | 0.39              |      |    | 53 - 106 |      | 98%        | SPK: 0.4 |                |              |
| 1718-51-0                 | Terphenyl-d14           | 0.35              |      |    | 58 - 132 |      | 88%        | SPK: 0.4 |                |              |
| <b>INTERNAL STANDARDS</b> |                         |                   |      |    |          |      |            |          |                |              |
|                           |                         | <b>Area Count</b> |      |    |          |      |            |          |                |              |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4  | 8260              |      |    |          |      |            |          |                |              |
| 1146-65-2                 | Naphthalene-d8          | 23000             |      |    |          |      |            |          |                |              |
| 15067-26-2                | Acenaphthene-d10        | 10800             |      |    |          |      |            |          |                |              |
| 1517-22-2                 | Phenanthrene-d10        | 14900             |      |    |          |      |            |          |                |              |
| 1719-03-5                 | Chrysene-d12            | 10500             |      |    |          |      |            |          |                |              |
| 1520-96-3                 | Perylene-d12            | 10900             |      |    |          |      |            |          |                |              |

U = Not Detected

LOQ = Limit of Quantitation

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E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

## Report of Analysis

|                    |                               |                     |                 |                |
|--------------------|-------------------------------|---------------------|-----------------|----------------|
| Client:            | Tetra Tech NUS, Inc.          |                     | Date Collected: |                |
| Project:           | NWIRP Bethpage 112G08005-WE13 |                     | Date Received:  |                |
| Client Sample ID:  | PB170712BS                    |                     | SDG No.:        | Q3690          |
| Lab Sample ID:     | PB170712BS                    |                     | Matrix:         | Water          |
| Analytical Method: | SW8270ESIM                    | Level: LOW          | % Solid:        | 0              |
| Sample Wt/Vol:     | 1000 mL                       | Final Vol: 1000 uL  | Test:           | SVOC-SIMGroup1 |
| Prep Method :      | 3510C                         | Prep Date: 11/21/25 |                 |                |

| CAS Number                | Parameter               | Conc.             | Qua. | DF | MDL      | LOD  | LOQ / CRQL | Units    | Date Ana.      | Prep BatchID |
|---------------------------|-------------------------|-------------------|------|----|----------|------|------------|----------|----------------|--------------|
| <b>TARGETS</b>            |                         |                   |      |    |          |      |            |          |                |              |
| 123-91-1                  | 1,4-Dioxane             | 0.33              |      | 1  | 0.070    | 0.20 | 0.20       | ug/L     | 12/01/25 19:04 | PB170712     |
| <b>SURROGATES</b>         |                         |                   |      |    |          |      |            |          |                |              |
| 7297-45-2                 | 2-Methylnaphthalene-d10 | 0.41              |      |    | 30 - 150 |      | 101%       | SPK: 0.4 |                |              |
| 93951-69-0                | Fluoranthene-d10        | 0.36              |      |    | 30 - 150 |      | 90%        | SPK: 0.4 |                |              |
| 4165-60-0                 | Nitrobenzene-d5         | 0.40              |      |    | 55 - 111 |      | 99%        | SPK: 0.4 |                |              |
| 321-60-8                  | 2-Fluorobiphenyl        | 0.45              | *    |    | 53 - 106 |      | 113%       | SPK: 0.4 |                |              |
| 1718-51-0                 | Terphenyl-d14           | 0.36              |      |    | 58 - 132 |      | 91%        | SPK: 0.4 |                |              |
| <b>INTERNAL STANDARDS</b> |                         |                   |      |    |          |      |            |          |                |              |
|                           |                         | <b>Area Count</b> |      |    |          |      |            |          |                |              |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4  | 7900              |      |    |          |      |            |          |                |              |
| 1146-65-2                 | Naphthalene-d8          | 22400             |      |    |          |      |            |          |                |              |
| 15067-26-2                | Acenaphthene-d10        | 10400             |      |    |          |      |            |          |                |              |
| 1517-22-2                 | Phenanthrene-d10        | 14700             |      |    |          |      |            |          |                |              |
| 1719-03-5                 | Chrysene-d12            | 10100             |      |    |          |      |            |          |                |              |
| 1520-96-3                 | Perylene-d12            | 10400             |      |    |          |      |            |          |                |              |

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B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

## Report of Analysis

|                    |                               |                     |                 |                |
|--------------------|-------------------------------|---------------------|-----------------|----------------|
| Client:            | Tetra Tech NUS, Inc.          |                     | Date Collected: |                |
| Project:           | NWIRP Bethpage 112G08005-WE13 |                     | Date Received:  |                |
| Client Sample ID:  | PB170712BSD                   |                     | SDG No.:        | Q3690          |
| Lab Sample ID:     | PB170712BSD                   |                     | Matrix:         | Water          |
| Analytical Method: | SW8270ESIM                    | Level: LOW          | % Solid:        | 0              |
| Sample Wt/Vol:     | 1000 mL                       | Final Vol: 1000 uL  | Test:           | SVOC-SIMGroup1 |
| Prep Method :      | 3510C                         | Prep Date: 11/21/25 |                 |                |

| CAS Number                | Parameter               | Conc.             | Qua. | DF | MDL      | LOD  | LOQ / CRQL | Units    | Date Ana.      | Prep BatchID |
|---------------------------|-------------------------|-------------------|------|----|----------|------|------------|----------|----------------|--------------|
| <b>TARGETS</b>            |                         |                   |      |    |          |      |            |          |                |              |
| 123-91-1                  | 1,4-Dioxane             | 0.30              |      | 1  | 0.070    | 0.20 | 0.20       | ug/L     | 12/01/25 22:42 | PB170712     |
| <b>SURROGATES</b>         |                         |                   |      |    |          |      |            |          |                |              |
| 7297-45-2                 | 2-Methylnaphthalene-d10 | 0.35              |      |    | 30 - 150 |      | 86%        | SPK: 0.4 |                |              |
| 93951-69-0                | Fluoranthene-d10        | 0.39              |      |    | 30 - 150 |      | 97%        | SPK: 0.4 |                |              |
| 4165-60-0                 | Nitrobenzene-d5         | 0.40              |      |    | 55 - 111 |      | 100%       | SPK: 0.4 |                |              |
| 321-60-8                  | 2-Fluorobiphenyl        | 0.43              | *    |    | 53 - 106 |      | 107%       | SPK: 0.4 |                |              |
| 1718-51-0                 | Terphenyl-d14           | 0.32              |      |    | 58 - 132 |      | 79%        | SPK: 0.4 |                |              |
| <b>INTERNAL STANDARDS</b> |                         | <b>Area Count</b> |      |    |          |      |            |          |                |              |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4  | 9080              |      |    |          |      |            |          |                |              |
| 1146-65-2                 | Naphthalene-d8          | 25100             |      |    |          |      |            |          |                |              |
| 15067-26-2                | Acenaphthene-d10        | 10800             |      |    |          |      |            |          |                |              |
| 1517-22-2                 | Phenanthrene-d10        | 16100             |      |    |          |      |            |          |                |              |
| 1719-03-5                 | Chrysene-d12            | 14000             |      |    |          |      |            |          |                |              |
| 1520-96-3                 | Perylene-d12            | 15900             |      |    |          |      |            |          |                |              |

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J = Estimated Value

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\* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products



# CALIBRATION SUMMARY

Method Path : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\  
 Method File : 8270-SIM-BN112725.M  
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 Last Update : Fri Nov 28 21:04:10 2025  
 Response Via : Initial Calibration

## Calibration Files

0.1 =BN038212.D 0.2 =BN038213.D 0.4 =BN038214.D 0.8 =BN038215.D 1.6 =BN038216.D 3.2 =BN038217.D 5 =BN038218.D

|          | Compound              | 0.1            | 0.2   | 0.4   | 0.8   | 1.6   | 3.2   | 5     | Avg   | %RSD |
|----------|-----------------------|----------------|-------|-------|-------|-------|-------|-------|-------|------|
| -----    |                       |                |       |       |       |       |       |       |       |      |
| 1) I     | 1,4-Dichlorobenzen... | -----ISTD----- |       |       |       |       |       |       |       |      |
| 2)       | 1,4-Dioxane           | 0.484          | 0.448 | 0.396 | 0.423 | 0.399 | 0.378 | 0.421 | 9.29  |      |
| 3)       | n-Nitrosodimet...     | 0.488          | 0.543 | 0.513 | 0.536 | 0.528 | 0.510 | 0.520 | 3.87  |      |
| 4) S     | 2-Fluorophenol        | 1.008          | 0.930 | 0.992 | 0.881 | 0.925 | 0.915 | 0.892 | 0.935 | 5.14 |
| 5) S     | Phenol-d6             | 1.180          | 1.103 | 1.215 | 1.099 | 1.187 | 1.203 | 1.191 | 1.168 | 4.05 |
| 6)       | bis(2-Chloroet...     | 1.066          | 1.118 | 1.188 | 1.086 | 1.152 | 1.130 | 1.088 | 1.118 | 3.79 |
|          |                       |                |       |       |       |       |       |       |       |      |
| 7) I     | Naphthalene-d8        | -----ISTD----- |       |       |       |       |       |       |       |      |
| 8) S     | Nitrobenzene-d5       | 0.370          | 0.314 | 0.310 | 0.304 | 0.321 | 0.309 | 0.311 | 0.320 | 7.07 |
| 9)       | Naphthalene           | 1.152          | 1.102 | 1.153 | 1.075 | 1.118 | 1.093 | 1.082 | 1.111 | 2.87 |
| 10)      | Hexachlorobuta...     | 0.203          | 0.192 | 0.200 | 0.182 | 0.188 | 0.180 | 0.177 | 0.189 | 5.29 |
| 11) SURR | 2-Methylnaphth...     | 0.535          | 0.548 | 0.588 | 0.558 | 0.584 | 0.584 | 0.579 | 0.568 | 3.70 |
| 12)      | 2-Methylnaphth...     | 0.696          | 0.697 | 0.760 | 0.718 | 0.754 | 0.750 | 0.741 | 0.731 | 3.68 |
|          |                       |                |       |       |       |       |       |       |       |      |
| 13) I    | Acenaphthene-d10      | -----ISTD----- |       |       |       |       |       |       |       |      |
| 14) S    | 2,4,6-Tribromo...     | 0.106          | 0.100 | 0.123 | 0.122 | 0.139 | 0.165 | 0.126 | 18.76 |      |
| 15) S    | 2-Fluorobiphenyl      | 1.620          | 1.549 | 1.590 | 1.546 | 1.578 | 1.474 | 1.459 | 1.545 | 3.85 |
| 16)      | Acenaphthylene        | 1.756          | 1.685 | 1.801 | 1.702 | 1.830 | 1.866 | 1.880 | 1.789 | 4.31 |
| 17)      | Acenaphthene          | 1.244          | 1.208 | 1.292 | 1.198 | 1.263 | 1.262 | 1.261 | 1.247 | 2.66 |
| 18)      | Fluorene              | 1.544          | 1.442 | 1.650 | 1.571 | 1.680 | 1.708 | 1.703 | 1.614 | 6.13 |
|          |                       |                |       |       |       |       |       |       |       |      |
| 19) I    | Phenanthrene-d10      | -----ISTD----- |       |       |       |       |       |       |       |      |
| 20)      | 4,6-Dinitro-2-...     | 0.021          | 0.026 | 0.031 | 0.044 | 0.059 | 0.071 | 0.042 | 46.82 |      |
| 21)      | 4-Bromophenyl-...     | 0.268          | 0.268 | 0.285 | 0.268 | 0.287 | 0.284 | 0.280 | 0.277 | 3.19 |
| 22)      | Hexachlorobenzene     | 0.377          | 0.366 | 0.358 | 0.320 | 0.337 | 0.319 | 0.307 | 0.341 | 7.87 |
| 23)      | Atrazine              | 0.165          | 0.157 | 0.175 | 0.164 | 0.181 | 0.198 | 0.200 | 0.177 | 9.46 |
| 24)      | Pentachlorophenol     | 0.090          | 0.084 | 0.080 | 0.096 | 0.117 | 0.093 | 15.54 |       |      |
| 25)      | Phenanthrene          | 1.247          | 1.207 | 1.311 | 1.202 | 1.270 | 1.293 | 1.259 | 1.256 | 3.24 |
| 26)      | Anthracene            | 0.996          | 0.998 | 1.068 | 1.016 | 1.100 | 1.156 | 1.166 | 1.071 | 6.73 |
| 27) SURR | Fluoranthene-d10      | 0.853          | 0.845 | 0.890 | 0.817 | 0.864 | 0.906 | 0.900 | 0.868 | 3.76 |
| 28)      | Fluoranthene          | 1.174          | 1.147 | 1.227 | 1.146 | 1.230 | 1.281 | 1.266 | 1.210 | 4.55 |
|          |                       |                |       |       |       |       |       |       |       |      |
| 29) I    | Chrysene-d12          | -----ISTD----- |       |       |       |       |       |       |       |      |
| 30)      | Pyrene                | 2.066          | 1.804 | 2.087 | 1.972 | 1.973 | 2.077 | 2.006 | 1.998 | 4.91 |
| 31) S    | Terphenyl-d14         | 0.903          | 0.847 | 0.962 | 0.906 | 0.927 | 0.972 | 0.949 | 0.924 | 4.65 |
| 32)      | Benzo(a)anthra...     | 1.321          | 1.271 | 1.368 | 1.320 | 1.373 | 1.421 | 1.409 | 1.355 | 3.94 |
| 33)      | Chrysene              | 1.742          | 1.639 | 1.661 | 1.517 | 1.597 | 1.541 | 1.494 | 1.599 | 5.53 |
| 34)      | Bis(2-ethylhex...     | 0.780          | 0.801 | 0.700 | 0.682 | 0.740 | 0.746 | 0.742 | 6.12  |      |
|          |                       |                |       |       |       |       |       |       |       |      |
| 35) I    | Perylene-d12          | -----ISTD----- |       |       |       |       |       |       |       |      |

Method Path : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\

Method File : 8270-SIM-BN112725.M

|       |                   |       |       |       |       |       |       |       |       |      |
|-------|-------------------|-------|-------|-------|-------|-------|-------|-------|-------|------|
| 36)   | Indeno(1,2,3-c... | 1.747 | 1.715 | 1.875 | 1.736 | 1.962 | 1.963 | 1.960 | 1.851 | 6.24 |
| 37)   | Benzo(b)fluora... | 1.563 | 1.555 | 1.703 | 1.586 | 1.675 | 1.721 | 1.690 | 1.642 | 4.32 |
| 38)   | Benzo(k)fluora... | 1.627 | 1.639 | 1.758 | 1.658 | 1.749 | 1.776 | 1.742 | 1.707 | 3.69 |
| 39) C | Benzo(a)pyrene    | 1.414 | 1.284 | 1.386 | 1.316 | 1.403 | 1.414 | 1.417 | 1.376 | 3.93 |
| 40)   | Dibenzo(a,h)an... | 1.264 | 1.234 | 1.379 | 1.349 | 1.512 | 1.541 | 1.531 | 1.401 | 9.14 |
| 41)   | Benzo(g,h,i)pe... | 1.722 | 1.586 | 1.721 | 1.617 | 1.720 | 1.687 | 1.670 | 1.674 | 3.25 |

-----  
(#) = Out of Range

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: TETR06  
Lab Code: ACE SDG No.: Q3690  
Instrument ID: BNA\_N Calibration Date/Time: 12/01/2025 17:51  
Lab File ID: BN038230.D Init. Calib. Date(s): 11/26/2025 11/27/2025  
EPA Sample No.: SSTDCCC0.4 Init. Calib. Time(s): 20:35 00:13  
GC Column: ZB-GR ID: 0.25 (mm)

| COMPOUND                | RRF   | RRF0.4 | MIN<br>RRF | %D   | MAX%D |
|-------------------------|-------|--------|------------|------|-------|
| 2-Methylnaphthalene-d10 | 0.568 | 0.591  |            | 4.0  | 20.0  |
| Fluoranthene-d10        | 0.868 | 0.851  |            | -2.0 | 20.0  |
| 2-Fluorophenol          | 0.935 | 0.944  |            | 1.0  | 20.0  |
| Phenol-d6               | 1.168 | 1.204  |            | 3.1  | 20.0  |
| Nitrobenzene-d5         | 0.320 | 0.317  |            | -0.9 | 20.0  |
| 2-Fluorobiphenyl        | 1.545 | 1.656  |            | 7.2  | 20.0  |
| 2,4,6-Tribromophenol    | 0.126 | 0.139  |            | 10.3 | 20.0  |
| Terphenyl-d14           | 0.924 | 0.961  |            | 4.0  | 20.0  |
| 1,4-Dioxane             | 0.421 | 0.451  |            | 7.1  | 20.0  |

All other compounds must meet a minimum RRF of 0.010.

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: TETR06  
Lab Code: ACE SDG No.: Q3690  
Instrument ID: BNA\_N Calibration Date/Time: 12/02/2025 04:44  
Lab File ID: BN038248.D Init. Calib. Date(s): 11/26/2025 11/27/2025  
EPA Sample No.: SSTDCCC0.4EC Init. Calib. Time(s): 20:35 00:13  
GC Column: ZB-GR ID: 0.25 (mm)

| COMPOUND                | RRF   | RRF0.4 | MIN<br>RRF | %D   | MAX%D |
|-------------------------|-------|--------|------------|------|-------|
| 2-Methylnaphthalene-d10 | 0.568 | 0.562  |            | -1.1 | 50.0  |
| Fluoranthene-d10        | 0.868 | 0.924  |            | 6.5  | 50.0  |
| 2-Fluorophenol          | 0.935 | 1.019  |            | 9.0  | 50.0  |
| Phenol-d6               | 1.168 | 1.291  |            | 10.5 | 50.0  |
| Nitrobenzene-d5         | 0.320 | 0.323  |            | 0.9  | 50.0  |
| 2-Fluorobiphenyl        | 1.545 | 1.663  |            | 7.6  | 50.0  |
| 2,4,6-Tribromophenol    | 0.126 | 0.130  |            | 3.2  | 50.0  |
| Terphenyl-d14           | 0.924 | 0.862  |            | -6.7 | 50.0  |
| 1,4-Dioxane             | 0.421 | 0.416  |            | -1.2 | 50.0  |

All other compounds must meet a minimum RRF of 0.010.

LAB CHRONICLE

|          |                      |            |                               |
|----------|----------------------|------------|-------------------------------|
| OrderID: | Q3690                | OrderDate: | 11/20/2025 9:59:00 AM         |
| Client:  | Tetra Tech NUS, Inc. | Project:   | NWIRP Bethpage 112G08005-WE13 |
| Contact: | Ernie Wu             | Location:  | A11                           |

| LabID    | ClientID           | Matrix | Test          | Method | Sample Date | Prep Date | Anal Date | Received |
|----------|--------------------|--------|---------------|--------|-------------|-----------|-----------|----------|
| Q3690-01 | RW8-SP100-20251118 | Water  |               |        | 11/18/25    |           |           | 11/20/25 |
|          |                    |        | Metals Group4 | 6010D  |             | 11/20/25  | 11/21/25  |          |
| Q3690-02 | RW8-SP303-20251118 | Water  |               |        | 11/18/25    |           |           | 11/20/25 |
|          |                    |        | Metals Group4 | 6010D  |             | 11/20/25  | 11/21/25  |          |



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,  
Fax : 908 789 8922

**Hit Summary Sheet**  
**SW-846**

|                 |                      |                    |                               |
|-----------------|----------------------|--------------------|-------------------------------|
| <b>SDG No.:</b> | Q3690                | <b>Order ID:</b>   | Q3690                         |
| <b>Client:</b>  | Tetra Tech NUS, Inc. | <b>Project ID:</b> | NWIRP Bethpage 112G08005-WE13 |

| Sample ID                             | Client ID          | Matrix | Parameter | Concentration | C | MDL  | LOD  | RDL  | Units |
|---------------------------------------|--------------------|--------|-----------|---------------|---|------|------|------|-------|
| <b>Client ID : RW8-SP100-20251118</b> |                    |        |           |               |   |      |      |      |       |
| Q3690-01                              | RW8-SP100-20251118 | Water  | Iron      | 718           |   | 11.7 | 40.0 | 50.0 | ug/L  |
| <b>Client ID : RW8-SP303-20251118</b> |                    |        |           |               |   |      |      |      |       |
| Q3690-02                              | RW8-SP303-20251118 | Water  | Iron      | 101           |   | 11.7 | 40.0 | 50.0 | ug/L  |



# SAMPLE DATA

## Report of Analysis

|                   |                               |                 |          |
|-------------------|-------------------------------|-----------------|----------|
| Client:           | Tetra Tech NUS, Inc.          | Date Collected: | 11/18/25 |
| Project:          | NWIRP Bethpage 112G08005-WE13 | Date Received:  | 11/20/25 |
| Client Sample ID: | RW8-SP100-20251118            | SDG No.:        | Q3690    |
| Lab Sample ID:    | Q3690-01                      | Matrix:         | Water    |
| Level (low/med):  | low                           | % Solid:        | 0        |

| Cas       | Parameter | Conc. | Qua. | DF   | MDL  | LOD  | LOQ / CRQL | Units | Prep Date      | Date Ana.      | Ana Met. | Prep Met. |
|-----------|-----------|-------|------|------|------|------|------------|-------|----------------|----------------|----------|-----------|
| 7439-89-6 | Iron      | 718   | 1    | 11.7 | 40.0 | 50.0 |            | ug/L  | 11/20/25 10:35 | 11/21/25 16:11 | 6010D    | M3010A    |

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

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:           | Tetra Tech NUS, Inc.          | Date Collected: | 11/18/25 |
| Project:          | NWIRP Bethpage 112G08005-WE13 | Date Received:  | 11/20/25 |
| Client Sample ID: | RW8-SP303-20251118            | SDG No.:        | Q3690    |
| Lab Sample ID:    | Q3690-02                      | Matrix:         | Water    |
| Level (low/med):  | low                           | % Solid:        | 0        |

| Cas       | Parameter | Conc. | Qua. | DF | MDL  | LOD  | LOQ / CRQL | Units | Prep Date      | Date Ana.      | Ana Met. | Prep Met. |
|-----------|-----------|-------|------|----|------|------|------------|-------|----------------|----------------|----------|-----------|
| 7439-89-6 | Iron      | 101   |      | 1  | 11.7 | 40.0 | 50.0       | ug/L  | 11/20/25 10:35 | 11/21/25 16:15 | 6010D    | M3010A    |

U = Not Detected

LOQ = Limit of Quantitation

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LOD = Limit of Detection

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J = Estimated Value

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N =Spiked sample recovery not within control limits



# METAL CALIBRATION DATA

**Metals**

- 2a -

**INITIAL AND CONTINUING CALIBRATION VERIFICATION**

**Client:** Tetra Tech NUS, Inc.

**SDG No.:** Q3690

**Contract:** TETR06

**Lab Code:** ACE

**Initial Calibration Source:** EPA

**Continuing Calibration Source:** Inorganic Ventures

| Sample ID | Analyte | Result<br>ug/L | True Value | %<br>Recovery | Acceptance<br>Window (%R) | M | Analysis<br>Date | Analysis<br>Time | Run<br>Number |
|-----------|---------|----------------|------------|---------------|---------------------------|---|------------------|------------------|---------------|
| ICV01     | Iron    | 3840           | 4000       | 96            | 90 - 110                  | P | 11/21/2025       | 13:00            | LB138017      |

**Metals**

- 2a -

**INITIAL AND CONTINUING CALIBRATION VERIFICATION**

**Client:** Tetra Tech NUS, Inc.

**SDG No.:** Q3690

**Contract:** TETR06

**Lab Code:** ACE

**Initial Calibration Source:** EPA

**Continuing Calibration Source:** Inorganic Ventures

| Sample ID | Analyte | Result<br>ug/L | True Value | %<br>Recovery | Acceptance<br>Window (%R) | M | Analysis<br>Date | Analysis<br>Time | Run<br>Number |
|-----------|---------|----------------|------------|---------------|---------------------------|---|------------------|------------------|---------------|
| LLICV01   | Iron    | 101            | 100        | 101           | 80 - 120                  | P | 11/21/2025       | 13:09            | LB138017      |

**Metals**

- 2a -

**INITIAL AND CONTINUING CALIBRATION VERIFICATION**

**Client:** Tetra Tech NUS, Inc.

**SDG No.:** Q3690

**Contract:** TETR06

**Lab Code:** ACE

**Initial Calibration Source:** EPA

**Continuing Calibration Source:** Inorganic Ventures

| Sample ID | Analyte | Result<br>ug/L | True Value | %<br>Recovery | Acceptance<br>Window (%R) | M | Analysis<br>Date | Analysis<br>Time | Run<br>Number |
|-----------|---------|----------------|------------|---------------|---------------------------|---|------------------|------------------|---------------|
| CCV01     | Iron    | 5020           | 5000       | 100           | 90 - 110                  | P | 11/21/2025       | 13:44            | LB138017      |
| CCV02     | Iron    | 4800           | 5000       | 96            | 90 - 110                  | P | 11/21/2025       | 14:48            | LB138017      |
| CCV03     | Iron    | 4870           | 5000       | 98            | 90 - 110                  | P | 11/21/2025       | 15:38            | LB138017      |
| CCV04     | Iron    | 4860           | 5000       | 97            | 90 - 110                  | P | 11/21/2025       | 16:28            | LB138017      |
| CCV05     | Iron    | 4860           | 5000       | 97            | 90 - 110                  | P | 11/21/2025       | 17:50            | LB138017      |
| CCV06     | Iron    | 4950           | 5000       | 99            | 90 - 110                  | P | 11/21/2025       | 18:41            | LB138017      |
| CCV07     | Iron    | 4950           | 5000       | 99            | 90 - 110                  | P | 11/21/2025       | 19:31            | LB138017      |



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,  
Fax : 908 789 8922

**Metals**

**- 2b -**

**CRDL STANDARD FOR AA & ICP**

**Client:** Tetra Tech NUS, Inc.

**SDG No.:** Q3690

**Contract:** TETR06

**Lab Code:** ACE

**Initial Calibration Source:** \_\_\_\_\_

**Continuing Calibration Source:** \_\_\_\_\_

| Sample ID | Analyte | Result<br>ug/L | True Value<br>ug/L | %<br>Recovery | Acceptance<br>Window (%R) | M | Analysis<br>Date | Analysis<br>Time | Run<br>Number |
|-----------|---------|----------------|--------------------|---------------|---------------------------|---|------------------|------------------|---------------|
| CRI01     | Iron    | 97.1           | 100                | 97            | 65 - 135                  | P | 11/21/2025       | 13:17            | LB138017      |



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,  
Fax : 908 789 8922

**Metals**

**- 3a -**

**INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY**

**Client:** Tetra Tech NUS, Inc.

**SDG No.:** Q3690

**Contract:** TETR06

**Lab Code:** ACE

| Sample ID | Analyte | Result<br>ug/L | Acceptance<br>Limit | Conc<br>Qual | LOD  | CRQL | M | Analysis<br>Date | Analysis<br>Time | Run<br>Number |
|-----------|---------|----------------|---------------------|--------------|------|------|---|------------------|------------------|---------------|
| ICB01     | Iron    | 23.4           | +/-50               | U            | 80.0 | 100  | P | 11/21/2025       | 13:13            | LB138017      |

**Metals**

- 3a -

**INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY**

**Client:** Tetra Tech NUS, Inc.

**SDG No.:** Q3690

**Contract:** TETR06

**Lab Code:** ACE

| Sample ID | Analyte | Result<br>ug/L | Acceptance<br>Limit | Conc<br>Qual | LOD  | CRQL | M | Analysis<br>Date | Analysis<br>Time | Run<br>Number |
|-----------|---------|----------------|---------------------|--------------|------|------|---|------------------|------------------|---------------|
| CCB01     | Iron    | 23.4           | +/-50               | U            | 80.0 | 100  | P | 11/21/2025       | 13:48            | LB138017      |
| CCB02     | Iron    | 23.4           | +/-50               | U            | 80.0 | 100  | P | 11/21/2025       | 14:52            | LB138017      |
| CCB03     | Iron    | 23.4           | +/-50               | U            | 80.0 | 100  | P | 11/21/2025       | 15:42            | LB138017      |
| CCB04     | Iron    | 23.4           | +/-50               | U            | 80.0 | 100  | P | 11/21/2025       | 16:32            | LB138017      |
| CCB05     | Iron    | 23.4           | +/-50               | U            | 80.0 | 100  | P | 11/21/2025       | 17:55            | LB138017      |
| CCB06     | Iron    | 23.4           | +/-50               | U            | 80.0 | 100  | P | 11/21/2025       | 18:45            | LB138017      |
| CCB07     | Iron    | 23.4           | +/-50               | U            | 80.0 | 100  | P | 11/21/2025       | 19:35            | LB138017      |

**Metals**  
**- 3b -**  
**PREPARATION BLANK SUMMARY**

**Client:** Tetra Tech NUS, Inc.

**SDG No.:** Q3690

**Instrument:** P4

| Sample ID         | Analyte | Result<br>(ug/L) | Acceptance<br>Limit | Conc<br>Qual         | LOD<br>ug/L | CRQL<br>ug/L    | M | Analysis<br>Date  | Analysis<br>Time  | Run      |
|-------------------|---------|------------------|---------------------|----------------------|-------------|-----------------|---|-------------------|-------------------|----------|
| <b>PB170663BL</b> |         | <b>WATER</b>     |                     | <b>Batch Number:</b> |             | <b>PB170663</b> |   | <b>Prep Date:</b> | <b>11/20/2025</b> |          |
|                   | Iron    | 11.7             | <25                 | U                    | 40.0        | 50.0            | P | 11/21/2025        | 14:01             | LB138017 |

**Metals**

- 4 -

**INTERFERENCE CHECK SAMPLE**

**Client:** Tetra Tech NUS, Inc.

**SDG No.:** Q3690

**Contract:** TETR06

**Lab Code:** ACE

**ICS Source:** EPA

**Instrument ID:** P4

| Sample ID | Analyte | Result<br>ug/L | True Value<br>ug/L | %<br>Recovery | Low<br>Limit<br>(ug/L) | High<br>Limit<br>(ug/L) | Analysis<br>Date | Analysis<br>Time | Run<br>Number |
|-----------|---------|----------------|--------------------|---------------|------------------------|-------------------------|------------------|------------------|---------------|
| ICSA01    | Iron    | 95400          | 101000             | 94            | 85600                  | 116500                  | 11/21/2025       | 13:22            | LB138017      |
| ICSAB01   | Iron    | 92700          | 99300              | 93            | 84400                  | 114500                  | 11/21/2025       | 13:26            | LB138017      |



# METAL QC DATA

metals  
- 5a -  
MATRIX SPIKE SUMMARY

|                            |                      |            |            |                                  |          |
|----------------------------|----------------------|------------|------------|----------------------------------|----------|
| client:                    | Tetra Tech NUS, Inc. | level:     | low        | sdg no.:                         | Q3690    |
| contract:                  | TETR06               |            |            | lab code:                        | ACE      |
| matrix:                    | Water                | sample id: | Q3687-01   | client id:                       | N43502MS |
| Percent Solids for Sample: | NA                   | Spiked ID: | Q3687-01MS | Percent Solids for Spike Sample: | NA       |

| Analyte | Units | Acceptance<br>Limit %R | Spiked<br>Result | C | Sample<br>Result | C | Spike<br>Added | %<br>Recovery | Qual | M |
|---------|-------|------------------------|------------------|---|------------------|---|----------------|---------------|------|---|
| Iron    | ug/L  | 87 - 115               | 11800            |   | 10700            |   | 1500           | 73            |      | P |

metals  
- 5a -  
MATRIX SPIKE DUPLICATE SUMMARY

|                            |                      |            |             |                                  |           |
|----------------------------|----------------------|------------|-------------|----------------------------------|-----------|
| client:                    | Tetra Tech NUS, Inc. | level:     | low         | sdg no.:                         | Q3690     |
| contract:                  | TETR06               |            |             | lab code:                        | ACE       |
| matrix:                    | Water                | sample id: | Q3687-01    | client id:                       | N43502MSD |
| Percent Solids for Sample: | NA                   | Spiked ID: | Q3687-01MSD | Percent Solids for Spike Sample: | NA        |

| Analyte | Units | Acceptance<br>Limit %R | MSD<br>Result | C | Sample<br>Result | C | Spike<br>Added | %<br>Recovery | Qual | M |
|---------|-------|------------------------|---------------|---|------------------|---|----------------|---------------|------|---|
| Iron    | ug/L  | 87 - 115               | 12300         |   | 10700            |   | 1500           | 109           |      | P |

**Metals**  
**- 5b -**

**Client:** Tetra Tech NUS, Inc.

**SDG No.:** Q3690

**Contract:** TETR06

**Lab Code:** ACE

**Matrix:** \_\_\_\_\_

**Level:** LOW

**Client ID:** \_\_\_\_\_

**Sample ID:** \_\_\_\_\_ **Spiked ID:** \_\_\_\_\_

| Analyte | Units | Acceptance<br>Limit %R | C | Sample<br>Result | C | Spike<br>Added | %<br>Recovery | Qual | M |
|---------|-------|------------------------|---|------------------|---|----------------|---------------|------|---|
|---------|-------|------------------------|---|------------------|---|----------------|---------------|------|---|

A  
B  
C  
D  
E  
F  
G  
H

**Metals**

- 6 -

**DUPLICATE SAMPLE SUMMARY**

|                                   |                             |                     |                 |                                         |                  |
|-----------------------------------|-----------------------------|---------------------|-----------------|-----------------------------------------|------------------|
| <b>Client:</b>                    | <u>Tetra Tech NUS, Inc.</u> | <b>Level:</b>       | <u>LOW</u>      | <b>SDG No.:</b>                         | <u>Q3690</u>     |
| <b>Contract:</b>                  | <u>TETR06</u>               |                     |                 | <b>Lab Code:</b>                        | <u>ACE</u>       |
| <b>Matrix:</b>                    | <u>Water</u>                | <b>Sample ID:</b>   | <u>Q3687-01</u> | <b>Client ID:</b>                       | <u>N43502DUP</u> |
| <b>Percent Solids for Sample:</b> | NA                          | <b>Duplicate ID</b> | Q3687-01DUP     | <b>Percent Solids for Spike Sample:</b> | NA               |

| Analyte | Units | Acceptance<br>Limit | Sample<br>Result | C | Duplicate<br>Result | C | RPD | Qual | M |
|---------|-------|---------------------|------------------|---|---------------------|---|-----|------|---|
| Iron    | ug/L  | 20                  | 10700            |   | 10900               |   | 2   |      | P |

**Metals**

- 6 -

**DUPLICATE SAMPLE SUMMARY**

|                                   |                             |                     |                   |                                         |                  |
|-----------------------------------|-----------------------------|---------------------|-------------------|-----------------------------------------|------------------|
| <b>Client:</b>                    | <u>Tetra Tech NUS, Inc.</u> | <b>Level:</b>       | <u>LOW</u>        | <b>SDG No.:</b>                         | <u>Q3690</u>     |
| <b>Contract:</b>                  | <u>TETR06</u>               |                     |                   | <b>Lab Code:</b>                        | <u>ACE</u>       |
| <b>Matrix:</b>                    | <u>Water</u>                | <b>Sample ID:</b>   | <u>Q3687-01MS</u> | <b>Client ID:</b>                       | <u>N43502MSD</u> |
| <b>Percent Solids for Sample:</b> | NA                          | <b>Duplicate ID</b> | Q3687-01MSD       | <b>Percent Solids for Spike Sample:</b> | NA               |

| Analyte | Units | Acceptance Limit | Sample Result | C | Duplicate Result | C | RPD | Qual | M |
|---------|-------|------------------|---------------|---|------------------|---|-----|------|---|
| Iron    | ug/L  | 20               | 11800         |   | 12300            |   | 4   |      | P |

**Metals**

- 7 -

**LABORATORY CONTROL SAMPLE SUMMARY**

**Client:** Tetra Tech NUS, Inc.

**SDG No.:** Q3690

**Contract:** TETR06

**Lab Code:** ACE

| Analyte            | Units | True Value | Result | C | %<br>Recovery | Acceptance<br>Limits | M |
|--------------------|-------|------------|--------|---|---------------|----------------------|---|
| PB170663BS<br>Iron | ug/L  | 1500       | 1550   |   | 103           | 87 - 115             | P |

**Metals**

**-9 -**

**ICP SERIAL DILUTIONS**

**SAMPLE NO.**

N43502L

**Lab Name:** Alliance

**Contract:** TETR06

**Lab Code:** ACE

**Lb No.:** lb138017

**Lab Sample ID :** Q3687-01L

**SDG No.:** Q3690

**Matrix (soil/water):** Water

**Level (low/med):** LOW

**Concentration Units:** ug/L

| Analyte | Initial Sample<br>Result (I)<br>C | Serial Dilution<br>Result (S)<br>C | % Differ-<br>ence | Q | M |
|---------|-----------------------------------|------------------------------------|-------------------|---|---|
| Iron    | 10700                             | 10800                              | 1                 |   | P |



# METAL PREPARATION & INSTRUMENT DATA

**Metals**

- 11 -

**ICP INTERELEMENT CORRECTION FACTORS**

**Client:** Tetra Tech NUS, Inc.

**SDG No.:** Q3690

**Contract:** TETR06

**Lab Code:** ACE

**Instrument ID:**

**Date:**

**Interelement Correction Factors (apparent ppb analyte/ppm interferent )**

| Analyte | Wave-<br>Length<br>(nm) | ICP Interelement Correction Factors For: |           |           |           |           |
|---------|-------------------------|------------------------------------------|-----------|-----------|-----------|-----------|
|         |                         | Al                                       | Ca        | Fe        | Mg        | Ag        |
| Iron    | 240.488                 | 0.0000000                                | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |

**Metals**

- 11 -

**ICP INTERELEMENT CORRECTION FACTORS**

**Client:** Tetra Tech NUS, Inc.

**SDG No.:** Q3690

**Contract:** TETR06

**Lab Code:** ACE

**Instrument ID:**

**Date:**

**Interelement Correction Factors (apparent ppb analyte/ppm interferent )**

| Analyte | Wave-<br>Length<br>(nm) | ICP Interelement Correction Factors For: |           |           |           |            |
|---------|-------------------------|------------------------------------------|-----------|-----------|-----------|------------|
|         |                         | As                                       | Ba        | Be        | Cd        | Co         |
| Iron    | 240.488                 | 0.0000000                                | 0.0000000 | 0.0000000 | 0.0000000 | -0.0039600 |

**Metals**

- 11 -

**ICP INTERELEMENT CORRECTION FACTORS**

**Client:** Tetra Tech NUS, Inc.

**SDG No.:** Q3690

**Contract:** TETR06

**Lab Code:** ACE

**Instrument ID:**

**Date:**

**Interelement Correction Factors (apparent ppb analyte/ppm interferent )**

| Analyte | Wave-<br>Length<br>(nm) | ICP Interelement Correction Factors For: |           |           |           |            |
|---------|-------------------------|------------------------------------------|-----------|-----------|-----------|------------|
|         |                         | Cr                                       | Cu        | K         | Mn        | Mo         |
| Iron    | 240.488                 | 0.0000000                                | 0.0000000 | 0.0000730 | 0.0000000 | -0.0015250 |

**Metals**

- 11 -

**ICP INTERELEMENT CORRECTION FACTORS**

**Client:** Tetra Tech NUS, Inc.

**SDG No.:** Q3690

**Contract:** TETR06

**Lab Code:** ACE

**Instrument ID:**

**Date:**

**Interelement Correction Factors (apparent ppb analyte/ppm interferent )**

| Analyte | Wave-<br>Length<br>(nm) | ICP Interelement Correction Factors For: |            |           |           |           |
|---------|-------------------------|------------------------------------------|------------|-----------|-----------|-----------|
|         |                         | Na                                       | Ni         | Pb        | Sb        | Se        |
| Iron    | 240.488                 | 0.0000000                                | -0.0017000 | 0.0000000 | 0.0000000 | 0.0000000 |

**Metals**

- 11 -

**ICP INTERELEMENT CORRECTION FACTORS**

**Client:** Tetra Tech NUS, Inc.

**SDG No.:** Q3690

**Contract:** TETR06

**Lab Code:** ACE

**Instrument ID:**

**Date:**

**Interelement Correction Factors (apparent ppb analyte/ppm interferent )**

| Analyte | Wave-<br>Length<br>(nm) | ICP Interement Correction Factors For: |           |           |           |           |
|---------|-------------------------|----------------------------------------|-----------|-----------|-----------|-----------|
|         |                         | Sn                                     | Ti        | Tl        | V         | Zn        |
| Iron    | 240.488                 | 0.0000000                              | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |

METAL  
PREPARATION &  
ANALYICAL  
SUMMARY

**Metals**

**- 13 -**

**SAMPLE PREPARATION SUMMARY**

**Client:** Tetra Tech NUS, Inc.

**SDG No.:** Q3690

**Contract:** TETR06

**Lab Code:** ACE

**Method:**

| Sample ID                     | Client ID          | Sample Type | Matrix | Prep Date  | Initial Sample Size(mL) | Final Sample Volume (mL) | Percent Solids |
|-------------------------------|--------------------|-------------|--------|------------|-------------------------|--------------------------|----------------|
| <b>Batch Number: PB170663</b> |                    |             |        |            |                         |                          |                |
| PB170663BL                    | PB170663BL         | MB          | WATER  | 11/20/2025 | 50.0                    | 25.0                     |                |
| PB170663BS                    | PB170663BS         | LCS         | WATER  | 11/20/2025 | 50.0                    | 25.0                     |                |
| Q3687-01DUP                   | N43502DUP          | DUP         | WATER  | 11/20/2025 | 50.0                    | 25.0                     |                |
| Q3687-01MS                    | N43502MS           | MS          | WATER  | 11/20/2025 | 50.0                    | 25.0                     |                |
| Q3687-01MSD                   | N43502MSD          | MSD         | WATER  | 11/20/2025 | 50.0                    | 25.0                     |                |
| Q3690-01                      | RW8-SP100-20251118 | SAM         | WATER  | 11/20/2025 | 50.0                    | 25.0                     |                |
| Q3690-02                      | RW8-SP303-20251118 | SAM         | WATER  | 11/20/2025 | 50.0                    | 25.0                     |                |

**metals**  
**- 14 -**  
**ANALYSIS RUN LOG**

**Client:** Tetra Tech NUS, Inc.

**Contract:** TETR06

**Lab code:** ACE

**Sdg no.:** Q3690

**Instrument id number:** \_\_\_\_\_

**Method:** \_\_\_\_\_

**Run number:** LB138017

**Start date:** 11/21/2025

**End date:** 11/21/2025

| Lab sample id. | Client Sample Id   | d/f | Time | Parameter list |
|----------------|--------------------|-----|------|----------------|
| S0             | S0                 | 1   | 1213 | Fe             |
| S1             | S1                 | 1   | 1217 | Fe             |
| S2             | S2                 | 1   | 1222 | Fe             |
| S3             | S3                 | 1   | 1226 | Fe             |
| S4             | S4                 | 1   | 1230 | Fe             |
| S5             | S5                 | 1   | 1234 | Fe             |
| ICV01          | ICV01              | 1   | 1300 | Fe             |
| LLICV01        | LLICV01            | 1   | 1309 | Fe             |
| ICB01          | ICB01              | 1   | 1313 | Fe             |
| CRI01          | CRI01              | 1   | 1317 | Fe             |
| ICSA01         | ICSA01             | 1   | 1322 | Fe             |
| ICSAB01        | ICSAB01            | 1   | 1326 | Fe             |
| CCV01          | CCV01              | 1   | 1344 | Fe             |
| CCB01          | CCB01              | 1   | 1348 | Fe             |
| PB170663BL     | PB170663BL         | 1   | 1401 | Fe             |
| PB170663BS     | PB170663BS         | 1   | 1405 | Fe             |
| CCV02          | CCV02              | 1   | 1448 | Fe             |
| CCB02          | CCB02              | 1   | 1452 | Fe             |
| CCV03          | CCV03              | 1   | 1538 | Fe             |
| CCB03          | CCB03              | 1   | 1542 | Fe             |
| Q3687-01DUP    | N43502DUP          | 1   | 1551 | Fe             |
| Q3687-01L      | N43502L            | 5   | 1555 | Fe             |
| Q3687-01MS     | N43502MS           | 1   | 1559 | Fe             |
| Q3687-01MSD    | N43502MSD          | 1   | 1603 | Fe             |
| Q3690-01       | RW8-SP100-20251118 | 1   | 1611 | Fe             |
| Q3690-02       | RW8-SP303-20251118 | 1   | 1615 | Fe             |
| CCV04          | CCV04              | 1   | 1628 | Fe             |
| CCB04          | CCB04              | 1   | 1632 | Fe             |
| CCV05          | CCV05              | 1   | 1750 | Fe             |
| CCB05          | CCB05              | 1   | 1755 | Fe             |
| CCV06          | CCV06              | 1   | 1841 | Fe             |
| CCB06          | CCB06              | 1   | 1845 | Fe             |
| CCV07          | CCV07              | 1   | 1931 | Fe             |
| CCB07          | CCB07              | 1   | 1935 | Fe             |

## LAB CHRONICLE

|                 |                      |                   |                               |
|-----------------|----------------------|-------------------|-------------------------------|
| <b>OrderID:</b> | Q3690                | <b>OrderDate:</b> | 11/20/2025 9:59:00 AM         |
| <b>Client:</b>  | Tetra Tech NUS, Inc. | <b>Project:</b>   | NWIRP Bethpage 112G08005-WE13 |
| <b>Contact:</b> | Ernie Wu             | <b>Location:</b>  | A11                           |

| LabID    | ClientID           | Matrix | Test | Method   | Sample Date       | Prep Date | Anal Date         | Received |
|----------|--------------------|--------|------|----------|-------------------|-----------|-------------------|----------|
| Q3690-01 | RW8-SP100-20251118 | WATER  |      |          | 11/18/25<br>13:05 |           |                   | 11/20/25 |
|          |                    |        | TDS  | SM2540 C |                   |           | 11/20/25<br>13:30 |          |
|          |                    |        | TSS  | SM2540 D |                   |           | 11/21/25<br>15:30 |          |
| Q3690-02 | RW8-SP303-20251118 | WATER  |      |          | 11/18/25<br>13:13 |           |                   | 11/20/25 |
|          |                    |        | TDS  | SM2540 C |                   |           | 11/20/25<br>13:30 |          |
|          |                    |        | TSS  | SM2540 D |                   |           | 11/21/25<br>15:30 |          |



# SAMPLE DATA

A

B

C

D

## Report of Analysis

Client: Tetra Tech NUS, Inc.  
Project: NWIRP Bethpage 112G08005-WE13  
Client Sample ID: RW8-SP100-20251118  
Lab Sample ID: Q3690-01

Date Collected: 11/18/25 13:05  
Date Received: 11/20/25  
SDG No.: Q3690  
Matrix: WATER  
% Solid: 0

| Parameter | Conc. | Qua. | DF | MDL  | LOD  | LOQ / CRQL | Units | Prep Date | Date Ana.      | Ana Met.     |
|-----------|-------|------|----|------|------|------------|-------|-----------|----------------|--------------|
| TDS       | 2.00  | J    | 1  | 1.00 | 10.0 | 10.0       | mg/L  |           | 11/20/25 13:30 | SM 2540 C-20 |
| TSS       | 4.00  | U    | 1  | 1.00 | 4.00 | 4.00       | mg/L  |           | 11/21/25 15:30 | SM 2540 D-20 |

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: Tetra Tech NUS, Inc.  
Project: NWIRP Bethpage 112G08005-WE13  
Client Sample ID: RW8-SP303-20251118  
Lab Sample ID: Q3690-02

Date Collected: 11/18/25 13:13  
Date Received: 11/20/25  
SDG No.: Q3690  
Matrix: WATER  
% Solid: 0

| Parameter | Conc. | Qua. | DF | MDL  | LOD  | LOQ / CRQL | Units | Prep Date | Date Ana.      | Ana Met.     |
|-----------|-------|------|----|------|------|------------|-------|-----------|----------------|--------------|
| TDS       | 1.00  | J    | 1  | 1.00 | 10.0 | 10.0       | mg/L  |           | 11/20/25 13:30 | SM 2540 C-20 |
| TSS       | 4.00  | U    | 1  | 1.00 | 4.00 | 4.00       | mg/L  |           | 11/21/25 15:30 | SM 2540 D-20 |

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

# QC RESULT SUMMARY

### Preparation Blank Summary

**Client:** Tetra Tech NUS, Inc.

**SDG No.:** Q3690

**Project:** NWIRP Bethpage 112G08005-WE13

| Analyte                      | Units | Result | Acceptance<br>Limits | Conc<br>Qual | MDL | RDL | Analysis<br>Date |
|------------------------------|-------|--------|----------------------|--------------|-----|-----|------------------|
| Sample ID: <b>LB137987BL</b> |       |        |                      |              |     |     |                  |
| TDS                          | mg/L  | 1      | 5.0000               | J            | 1.0 | 10  | 11/20/2025       |
| Sample ID: <b>LB138018BL</b> |       |        |                      |              |     |     |                  |
| TSS                          | mg/L  | 1      | 2.0000               | J            | 1   | 4   | 11/21/2025       |

## Duplicate Sample Summary

|                   |                               |                                         |          |
|-------------------|-------------------------------|-----------------------------------------|----------|
| <b>Client:</b>    | Tetra Tech NUS, Inc.          | <b>SDG No.:</b>                         | Q3690    |
| <b>Project:</b>   | NWIRP Bethpage 112G08005-WE13 | <b>Sample ID:</b>                       | Q3676-04 |
| <b>Client ID:</b> | OUTFALL-DSN-002DUP            | <b>Percent Solids for Spike Sample:</b> | 0        |

| 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 |
|---------|-------|---------------------|------------------|--------------------|---------------------|--------------------|--------------------|------------|------|------------------|
| TSS     | mg/L  | +/-5                | 2890             |                    | 2890                |                    | 1                  | 0.05       |      | 11/21/2025       |

## Duplicate Sample Summary

|                   |                               |                                         |          |
|-------------------|-------------------------------|-----------------------------------------|----------|
| <b>Client:</b>    | Tetra Tech NUS, Inc.          | <b>SDG No.:</b>                         | Q3690    |
| <b>Project:</b>   | NWIRP Bethpage 112G08005-WE13 | <b>Sample ID:</b>                       | Q3690-01 |
| <b>Client ID:</b> | RW8-SP100-20251118DUP         | <b>Percent Solids for Spike Sample:</b> | 0        |

| Analyte | Units | Acceptance Limit | Sample Result | Conc. Qualifier | Duplicate Result | Conc. Qualifier | Dilution Factor | RPD/AD | Qual | Analysis Date |
|---------|-------|------------------|---------------|-----------------|------------------|-----------------|-----------------|--------|------|---------------|
| TDS     | mg/L  | +/-5             | 2.00          | J               | 2.00             | J               | 1               | 0      |      | 11/20/2025    |

### Laboratory Control Sample Summary

**Client:** Tetra Tech NUS, Inc.

**SDG No.:** Q3690

**Project:** NWIRP Bethpage 112G08005-WE13

**Run No.:** LB137987

| Analyte   | Units      | True Value | Result | Conc. Qualifier | % Recovery | Dilution Factor | Acceptance Limit %R | Analysis Date |
|-----------|------------|------------|--------|-----------------|------------|-----------------|---------------------|---------------|
| Sample ID | LB137987BS |            |        |                 |            |                 |                     |               |
| TDS       | mg/L       | 100        | 98.0   |                 | 98         | 1               | 90-110              | 11/20/2025    |

### Laboratory Control Sample Summary

**Client:** Tetra Tech NUS, Inc.

**SDG No.:** Q3690

**Project:** NWIRP Bethpage 112G08005-WE13

**Run No.:** LB138018

| Analyte   | Units      | True Value | Result | Conc. Qualifier | % Recovery | Dilution Factor | Acceptance Limit %R | Analysis Date |
|-----------|------------|------------|--------|-----------------|------------|-----------------|---------------------|---------------|
| Sample ID | LB138018BS |            |        |                 |            |                 |                     |               |
| TSS       | mg/L       | 550        | 591    |                 | 107        | 1               | 90-110              | 11/21/2025    |