

## **DATA PACKAGE GENERAL CHEMISTRY**

**PROJECT NAME : NWIRP BETHPAGE 112G08005-WE13**

**TETRA TECH NUS, INC.**

**661 Andersen Drive**

**Suite 200**

**Pittsburgh, PA - 15220-2745**

**Phone No: 412-921-7090**

**ORDER ID : Q2604**

**ATTENTION : Ernie Wu**



**Laboratory Certification ID # 20012**



|                                        |    |
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## Cover Page

**Order ID :** Q2604

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

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

**Lab Sample Number**

Q2604-01  
Q2604-02

**Client Sample Number**

RW8-SP100-20250711  
RW8-SP303-20250711

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Signature : \_\_\_\_\_

Date: 7/18/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012



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

## **CASE NARRATIVE**

**Tetra Tech NUS, Inc.**

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

**Project Manager : Ernie Wu**

**Order ID # Q2604**

**Test Name: TDS,TSS**

### **A. Number of Samples and Date of Receipt:**

2 Water samples were received on 07/15/2025.

### **B. Parameters:**

According to the Chain of Custody document, the following analyses were requested: TDS,TSS. This data package contains results for TDS,TSS.

### **C. Analytical Techniques:**

The analysis of TDS was based on method SM2540 C and The analysis of TSS was based on method SM2540 D.

### **D. QA/ QC Samples:**

The Holding Times were met for all analysis.

The Blank Spike met requirements for all compounds.

The Duplicate analysis met criteria for all compounds.

The Blank analysis did not indicate the presence of lab contamination.

The Calibration met the requirements.

### **E. Additional Comments:**

The laboratory certifies that the all-electronic diskette deliverable exactly match the data summary forms (i.e. Form Is).

---

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature\_\_\_\_\_

## DATA REPORTING QUALIFIERS- INORGANIC

For reporting results, the following “ Results Qualifiers” are used:

|           |                                                                                                                                                                                                                                                                                                                                                                               |
|-----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>J</b>  | Indicates the reported value was obtained from a reading that was less than the Contract Required Detection Limit (CRDL), but greater than or equal to the Instrument Detection Limit (IDL).                                                                                                                                                                                  |
| <b>U</b>  | Indicates the analyte was analyzed for, but not detected.                                                                                                                                                                                                                                                                                                                     |
| <b>ND</b> | Indicates the analyte was analyzed for, but not detected                                                                                                                                                                                                                                                                                                                      |
| <b>E</b>  | Indicates the reported value is estimated because of the presence of interference                                                                                                                                                                                                                                                                                             |
| <b>M</b>  | Indicates Duplicate injection precision not met.                                                                                                                                                                                                                                                                                                                              |
| <b>N</b>  | Indicates the spiked sample recovery is not within control limits.                                                                                                                                                                                                                                                                                                            |
| <b>S</b>  | Indicates the reported value was determined by the Method of Standard Addition (MSA).                                                                                                                                                                                                                                                                                         |
| <b>*</b>  | Indicates that the duplicate analysis is not within control limits.                                                                                                                                                                                                                                                                                                           |
| <b>+</b>  | Indicates the correlation coefficient for the MSA is less than 0.995.                                                                                                                                                                                                                                                                                                         |
| <b>D</b>  | Indicates the reported value is from a secondary analysis with a dilution factor. The original analysis exceeded the calibration range.                                                                                                                                                                                                                                       |
| <b>M</b>  | Method qualifiers<br>“P” for ICP instrument<br>“PM” for ICP when Microwave Digestion is used<br>“CV” for Manual Cold Vapor AA<br>“AV” for automated Cold Vapor AA<br>“CA” for MIDI-Distillation Spectrophotometric<br>“AS” for Semi -Automated Spectrophotometric<br>“C” for Manual Spectrophotometric<br>“T” for Titrimetric<br>“NR” for analyte not required to be analyzed |
| <b>OR</b> | Indicates the analyte’s concentration exceeds the calibrated range of the instrument for that specific analysis.                                                                                                                                                                                                                                                              |
| <b>Q</b>  | Indicates the LCS did not meet the control limits requirements                                                                                                                                                                                                                                                                                                                |
| <b>H</b>  | Sample Analysis Out Of Hold Time                                                                                                                                                                                                                                                                                                                                              |

**GENERAL CHEMISTRY CONFORMANCE/NON-CONFORMANCE SUMMARY**

ORDER ID: Q2604

MATRIX: Water

METHOD: SM2540 C,SM2540 D

|                                                                                                | NA | NO | YES |
|------------------------------------------------------------------------------------------------|----|----|-----|
| 1. Blank Contamination - If yes, list compounds and concentrations in each blank:              |    | ✓  |     |
| 2. The Blank Spike met requirements for all compounds.                                         |    |    | ✓   |
| 3. Sample Duplicate Analysis Met QC Criteria                                                   |    |    | ✓   |
| If not met, list those compounds and their recoveries which fall outside the acceptable range. |    |    |     |
| 4. Digestion Holding Time Met                                                                  |    |    | ✓   |
| If not met, list number of days exceeded for each sample:                                      |    |    |     |

ADDITIONAL COMMENTS:

The laboratory certifies that the all-electronic diskette deliverable exactly match the data summary forms (i.e. Form Is).

\_\_\_\_\_  
QA REVIEW

\_\_\_\_\_  
Date

## APPENDIX A

### QA REVIEW GENERAL DOCUMENTATION

Project #: Q2604

Completed

For thorough review, the report must have the following:

#### GENERAL:

Are all original paperwork present (chain of custody, record of communication,airbill, sample management lab chronicle, login page)

✓

Check chain-of-custody for proper relinquish/return of samples

✓

Is the chain of custody signed and complete

✓

Check internal chain-of-custody for proper relinquish/return of samples /sample extracts

✓

Collect information for each project id from server. Were all requirements followed

✓

#### COVER PAGE:

Do numbers of samples correspond to the number of samples in the Chain of Custody on login page

✓

Do lab numbers and client Ids on cover page agree with the Chain of Custody

✓

#### CHAIN OF CUSTODY:

Do requested analyses on Chain of Custody agree with form I results

✓

Do requested analyses on Chain of Custody agree with the log-in page

✓

Were the correct method log-in for analysis according to the Analytical Request and Chain of Castody

✓

Were the samples received within hold time

✓

Were any problems found with the samples at arrival recorded in the Sample Management Laboratory Chronicle

✓

#### ANALYTICAL:

Was method requirement followed?

✓

Was client requirement followed?

✓

Does the case narrative summarize all QC failure?

✓

All runlogs and manual integration are reviewed for requirements

✓

All manual calculations and /or hand notations verified

✓

QA Review Signature: SOHIL JODHANI

Date: 07/18/2025

## LAB CHRONICLE

|                 |                      |                   |                               |
|-----------------|----------------------|-------------------|-------------------------------|
| <b>OrderID:</b> | Q2604                | <b>OrderDate:</b> | 7/15/2025 10:29:00 AM         |
| <b>Client:</b>  | Tetra Tech NUS, Inc. | <b>Project:</b>   | NWIRP Bethpage 112G08005-WE13 |
| <b>Contact:</b> | Ernie Wu             | <b>Location:</b>  | O11                           |

| LabID    | ClientID               | Matrix | Test | Method   | Sample Date       | Prep Date | Anal Date         | Received |
|----------|------------------------|--------|------|----------|-------------------|-----------|-------------------|----------|
| Q2604-02 | RW8-SP303-2025071<br>1 | WATER  |      |          | 07/11/25<br>13:13 |           |                   | 07/15/25 |
|          |                        |        | TDS  | SM2540 C |                   |           | 07/17/25<br>12:30 |          |
|          |                        |        | TSS  | SM2540 D |                   |           | 07/17/25<br>15:00 |          |



# SAMPLE DATA

- 1
- 2
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- 9
- 10
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- 12
- 13

## Report of Analysis

|                   |                               |                 |                |
|-------------------|-------------------------------|-----------------|----------------|
| Client:           | Tetra Tech NUS, Inc.          | Date Collected: | 07/11/25 13:13 |
| Project:          | NWIRP Bethpage 112G08005-WE13 | Date Received:  | 07/15/25       |
| Client Sample ID: | RW8-SP303-20250711            | SDG No.:        | Q2604          |
| Lab Sample ID:    | Q2604-02                      | Matrix:         | WATER          |
|                   |                               | % Solid:        | 0              |

| Parameter | Conc. | Qua. | DF | MDL  | LOD  | LOQ / CRQL | Units | Prep Date | Date Ana.      | Ana Met.     |
|-----------|-------|------|----|------|------|------------|-------|-----------|----------------|--------------|
| TDS       | 11.0  |      | 1  | 1.00 | 10.0 | 10.0       | mg/L  |           | 07/17/25 12:30 | SM 2540 C-20 |
| TSS       | 4.40  |      | 1  | 1.00 | 4.00 | 4.00       | mg/L  |           | 07/17/25 15:00 | 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.:** Q2604

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

| Analyte                      | Units | Result   | Acceptance<br>Limits | Conc<br>Qual | MDL | RDL | Analysis<br>Date |
|------------------------------|-------|----------|----------------------|--------------|-----|-----|------------------|
| Sample ID: <b>LB136528BL</b> |       |          |                      |              |     |     |                  |
| TDS                          | mg/L  | < 5.0000 | 5.0000               | U            | 1.0 | 10  | 07/17/2025       |
| Sample ID: <b>LB136530BL</b> |       |          |                      |              |     |     |                  |
| TSS                          | mg/L  | 1        | 2.0000               | J            | 1   | 4   | 07/17/2025       |

### Duplicate Sample Summary

|                   |                               |                                         |          |
|-------------------|-------------------------------|-----------------------------------------|----------|
| <b>Client:</b>    | Tetra Tech NUS, Inc.          | <b>SDG No.:</b>                         | Q2604    |
| <b>Project:</b>   | NWIRP Bethpage 112G08005-WE13 | <b>Sample ID:</b>                       | Q2604-02 |
| <b>Client ID:</b> | RW8-SP303-20250711DUP         | <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             | 11.0          |                 | 11.0             |                 | 1               | 0      |      | 07/17/2025    |

### Duplicate Sample Summary

|                   |                               |                                         |          |
|-------------------|-------------------------------|-----------------------------------------|----------|
| <b>Client:</b>    | Tetra Tech NUS, Inc.          | <b>SDG No.:</b>                         | Q2604    |
| <b>Project:</b>   | NWIRP Bethpage 112G08005-WE13 | <b>Sample ID:</b>                       | Q2615-02 |
| <b>Client ID:</b> | COMPDUP                       | <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 |
|---------|-------|------------------|---------------|-----------------|------------------|-----------------|-----------------|--------|------|---------------|
| TSS     | mg/L  | +/-5             | 145           |                 | 144              |                 | 1               | 0.69   |      | 07/17/2025    |

### Laboratory Control Sample Summary

|                 |                               |                 |          |
|-----------------|-------------------------------|-----------------|----------|
| <b>Client:</b>  | Tetra Tech NUS, Inc.          | <b>SDG No.:</b> | Q2604    |
| <b>Project:</b> | NWIRP Bethpage 112G08005-WE13 | <b>Run No.:</b> | LB136528 |

| Analyte   | Units      | True Value | Result | Conc. Qualifier | % Recovery | Dilution Factor | Acceptance Limit %R | Analysis Date |
|-----------|------------|------------|--------|-----------------|------------|-----------------|---------------------|---------------|
| Sample ID | LB136528BS |            |        |                 |            |                 |                     |               |
| TDS       | mg/L       | 100        | 95.0   |                 | 95         | 1               | 90-110              | 07/17/2025    |

### Laboratory Control Sample Summary

|                 |                               |                 |          |
|-----------------|-------------------------------|-----------------|----------|
| <b>Client:</b>  | Tetra Tech NUS, Inc.          | <b>SDG No.:</b> | Q2604    |
| <b>Project:</b> | NWIRP Bethpage 112G08005-WE13 | <b>Run No.:</b> | LB136530 |

| Analyte   | Units      | True Value | Result | Conc. Qualifier | % Recovery | Dilution Factor | Acceptance Limit %R | Analysis Date |
|-----------|------------|------------|--------|-----------------|------------|-----------------|---------------------|---------------|
| Sample ID | LB136530BS |            |        |                 |            |                 |                     |               |
| TSS       | mg/L       | 550        | 533    |                 | 97         | 1               | 90-110              | 07/17/2025    |



# RAW DATA

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# TOTAL Dissolved Solids - SM2540C

Run Number: LB136528

Date: 07/18/2025

SUPERVISOR: Iwona

ANALYST: jignesh

BalanceID: WC SC-6

Filter ID: 17416528

|            |        |            |       |            |        |            |       |          |           |             |            |
|------------|--------|------------|-------|------------|--------|------------|-------|----------|-----------|-------------|------------|
| EMPTY DISH |        |            |       | EMPTY DISH |        |            |       | OvenID:  | WC OVEN-1 | Thermo ID:  | WET OVEN#1 |
| TEMP IN:   | 104 °C | 07/17/2025 | 11:00 | TEMP OUT:  | 104 °C | 07/17/2025 | 12:00 | OvenID1: | WC OVEN-1 | Thermo ID1: | WET OVEN#1 |
| TEMP1 IN:  | 104 °C | 07/17/2025 | 12:30 | TEMP1 OUT: | 104 °C | 07/17/2025 | 13:30 | OvenID2: | WC OVEN-2 | Thermo ID2: | WET OVEN#2 |
| TEMP2 IN:  | 104 °C | 07/17/2025 | 16:00 | TEMP2 OUT: | 103 °C | 07/18/2025 | 07:30 | OvenID3: | WC OVEN-2 | Thermo ID3: | WET OVEN#2 |
| TEMP3 IN:  | 180 °C | 07/18/2025 | 07:35 | TEMP3 OUT: | 182 °C | 07/18/2025 | 09:00 |          |           |             |            |

| Dish # | Lab ID      | Client ID             | Empty Dish Weight (g) | Final Empty Dish Weight (g) | Sample Volume (ml) | 1st Empty Dish+Sample weight after 1.5hr drying @180(±2) °C (g) | 2nd Empty Dish+Sample weight after 1.5hr drying @180(±2) °C (g) | Final Empty Dish+Sample weight after 1.5hr drying @180(±2) °C (g) | Weight (g) | Result mg/L |
|--------|-------------|-----------------------|-----------------------|-----------------------------|--------------------|-----------------------------------------------------------------|-----------------------------------------------------------------|-------------------------------------------------------------------|------------|-------------|
| 1      | LB136528BL  | LB136528BL            | 65.7812               | 65.7812                     | 100                | 65.7812                                                         | 65.7812                                                         | 65.7812                                                           | 0.0000     | 0           |
| 2      | LB136528BS  | LB136528BS            | 85.3036               | 85.3036                     | 100                | 85.3131                                                         | 85.3131                                                         | 85.3131                                                           | 0.0095     | 95          |
| 3      | Q2604-02    | RW8-SP303-20250711    | 106.1519              | 106.1520                    | 100                | 106.1531                                                        | 106.1531                                                        | 106.1531                                                          | 0.0011     | 11          |
| 4      | Q2604-02DUP | RW8-SP303-20250711DUP | 110.2244              | 110.2244                    | 100                | 110.2255                                                        | 110.2255                                                        | 110.2255                                                          | 0.0011     | 11          |

A = Sample Volume (ml)

B = Empty Dish Weight (g)

C = 2nd Empty Dish + Sample weight after 1.5 hr drying @180(±2) °C(g)

D = Weight (g)

$$\text{Weight (g)} = C - B$$

$$\text{Result mg/L} = \frac{D}{A} * 1000 * 1000$$

## WORKLIST(Hardcopy Internal Chain)

WB136528

WorkList Name : tds q2604

WorkList ID : 190798

Department : Wet-Chemistry

Date : 07-17-2025 10:28:44

| Sample   | Customer Sample    | Matrix | Test | Preservative | Customer | Raw Sample Storage Location | Collect Date | Method   |
|----------|--------------------|--------|------|--------------|----------|-----------------------------|--------------|----------|
| Q2604-02 | RW8-SP303-20250711 | Water  | TDS  | Cool 4 deg C | TETR06   | O11                         | 07/11/2025   | SM2540 C |

Date/Time 07-17-25 12:00

Raw Sample Received by: JB WCI

Raw Sample Relinquished by: JTCsm

Date/Time 07-17-25 16:30

Raw Sample Received by: JTCsm

Raw Sample Relinquished by: JB WCI

# TOTAL SUSPENDED SOLIDS - SM2540D

SUPERVISOR: Iwona

ANALYST: jignesh

Date: 07/17/2025

Run Number: LB136530

BalanceID: WC SC-6

OvenID: WC OVEN-1

FilterID: 17416528

ThermometerID: WET OVEN#1

TEMP1 IN: 104 °C 07/17/2025 10:00 TEMP1 OUT: 103 °C 07/17/2025 11:00  
 TEMP2 IN: 104 °C 07/17/2025 12:00 TEMP2 OUT: 104 °C 07/17/2025 12:35  
 TEMP3 IN: 104 °C 07/17/2025 15:00 TEMP3 OUT: 103 °C 07/17/2025 16:30  
 TEMP4 IN: 104 °C 07/17/2025 17:00 TEMP4 OUT: 103 °C 07/17/2025 18:35

| Dish # | Lab ID      | Client ID                  | Empty Dish Weight (g) | Final Empty Dish Weight (g) | Sample Volume (ml) | 1st Empty Dish+Sample weight after 1.5hr drying @103-@105°C (g) | 2nd Empty Dish+Sample weight after 1.5hr drying @103-@105°C (g) | Final Empty Dish+Sample weight after 1.5hr drying @103-@105°C (g) | Weight (g) | Result mg/L |
|--------|-------------|----------------------------|-----------------------|-----------------------------|--------------------|-----------------------------------------------------------------|-----------------------------------------------------------------|-------------------------------------------------------------------|------------|-------------|
| 1      | LB136530BL  | LB136530BL                 | 1.3562                | 1.3562                      | 100                | 1.3563                                                          | 1.3563                                                          | 1.3563                                                            | 0.0001     | 1           |
| 2      | LB136530BS  | LB136530BS                 | 1.5843                | 1.5843                      | 100                | 1.6376                                                          | 1.6376                                                          | 1.6376                                                            | 0.0533     | 533         |
| 3      | Q2604-02    | RW8-SP303-20250711         | 1.4849                | 1.4849                      | 250                | 1.4860                                                          | 1.4860                                                          | 1.4860                                                            | 0.0011     | 4.4         |
| 4      | Q2615-02    | COMP                       | 1.4654                | 1.4654                      | 200                | 1.4944                                                          | 1.4944                                                          | 1.4944                                                            | 0.0290     | 145         |
| 5      | Q2615-02DUP | COMPDUP                    | 1.4754                | 1.4754                      | 200                | 1.5042                                                          | 1.5042                                                          | 1.5042                                                            | 0.0288     | 144         |
| 6      | Q2629-01    | 011 willets Pt Blvd(may)   | 1.4888                | 1.4888                      | 150                | 1.5199                                                          | 1.5199                                                          | 1.5199                                                            | 0.0311     | 207.3       |
| 7      | Q2629-02    | 022 35th Ave(may)          | 1.4954                | 1.4954                      | 150                | 1.5240                                                          | 1.5240                                                          | 1.5240                                                            | 0.0286     | 190.7       |
| 8      | Q2630-01    | 001 Willets Pt Blvd (June) | 1.4692                | 1.4692                      | 200                | 1.4937                                                          | 1.4937                                                          | 1.4937                                                            | 0.0245     | 122.5       |
| 9      | Q2630-02    | 002 35th Ave (JUNE)        | 1.5002                | 1.5002                      | 200                | 1.5252                                                          | 1.5252                                                          | 1.5252                                                            | 0.0250     | 125         |
| 10     | Q2633-02    | FIBER-GLASS-TANK           | 1.4761                | 1.4761                      | 2000               | 1.4765                                                          | 1.4765                                                          | 1.4765                                                            | 0.0004     | 0.2         |

A = Sample Volume (ml)

B = Final Empty Dish Weight (g)

C = Final Empty Dish + Sample weight after 1.5 hr drying @105°C(g)

D = Weight (g)

$$\text{Weight (g)} = C - B$$

$$\text{Result mg/L} = \frac{D}{A} * 1000 * 1000$$

## WORKLIST(Hardcopy Internal Chain)

WorkList Name : tss q2629

WorkList ID : 190799

Department : Wet-Chemistry

Date : 07-17-2025 11:17:51

| Sample              | Customer Sample            | Matrix | Test | Preservative | Customer | Raw Sample Storage Location | Collect Date | Method   |
|---------------------|----------------------------|--------|------|--------------|----------|-----------------------------|--------------|----------|
| Q2604-02 <u>B</u>   | RW8-SP303-20250711         | Water  | TSS  | Cool 4 deg C | TETR06   | O11                         | 07/11/2025   | SM2540 D |
| Q2615-02 <u>A</u>   | COMP                       | Water  | TSS  | Cool 4 deg C | ARAM01   | O11                         | 07/16/2025   | SM2540 D |
| Q2629-01 <u>B</u>   | 011 willets Pt Blvd(may)   | Water  | TSS  | Cool 4 deg C | TULL01   | O32                         | 07/16/2025   | SM2540 D |
| Q2629-02 <u>B</u>   | 022 35th Ave(may)          | Water  | TSS  | Cool 4 deg C | TULL01   | O32                         | 07/16/2025   | SM2540 D |
| Q2630-01 <u>D</u>   | 001 Willets Pt Blvd (June) | Water  | TSS  | Cool 4 deg C | TULL01   | O11                         | 07/16/2025   | SM2540 D |
| Q2630-02 <u>D</u>   | 002 35th Ave (JUNE)        | Water  | TSS  | Cool 4 deg C | TULL01   | O11                         | 07/16/2025   | SM2540 D |
| Q2633-02 <u>124</u> | FIBER-GLASS-TANK           | Water  | TSS  | Cool 4 deg C | PSEG03   | D41                         | 07/17/2025   | SM2540 D |

UB 136530

Date/Time 07/17/25 13:10  
 Raw Sample Received by: JO WDC  
 Raw Sample Relinquished by: ITCSM

Date/Time 07/17/25Raw Sample Received by: ITCSMRaw Sample Relinquished by: ITCSM

**Instrument ID:** WC SC-3

**Daily Analysis Runlog For Sequence/QC Batch ID # LB136528**

|                  |                  |              |                       |
|------------------|------------------|--------------|-----------------------|
| Review By        | jignesh          | Review On    | 7/18/2025 8:28:14 AM  |
| Supervise By     | Iwona            | Supervise On | 7/18/2025 11:01:53 AM |
| SubDirectory     | LB136528         | Test         | TDS                   |
| <b>STD. NAME</b> | <b>STD REF.#</b> |              |                       |
| ICAL Standard    | N/A              |              |                       |
| ICV Standard     | N/A              |              |                       |
| CCV Standard     | N/A              |              |                       |
| ICSA Standard    | N/A              |              |                       |
| CRI Standard     | N/A              |              |                       |
| LCS Standard     | N/A              |              |                       |
| Chk Standard     | N/A              |              |                       |

| Sr# | SampleId    | ClientID          | QcType | Date           | Comment  | Operator | Status |
|-----|-------------|-------------------|--------|----------------|----------|----------|--------|
| 1   | LB136528BL  | LB136528BL        | MB     | 07/17/25 12:30 |          | jignesh  | OK     |
| 2   | LB136528BS  | LB136528BS        | LCS    | 07/17/25 12:30 | WP113986 | jignesh  | OK     |
| 3   | Q2604-02    | RW8-SP303-2025071 | SAM    | 07/17/25 12:30 |          | jignesh  | OK     |
| 4   | Q2604-02DUP | RW8-SP303-2025071 | DUP    | 07/17/25 12:30 |          | jignesh  | OK     |

**Instrument ID:** WC SC-3

**Daily Analysis Runlog For Sequence/QC Batch ID # LB136530**

|                  |                  |              |                       |
|------------------|------------------|--------------|-----------------------|
| Review By        | jignesh          | Review On    | 7/18/2025 10:53:55 AM |
| Supervise By     | Iwona            | Supervise On | 7/18/2025 11:01:25 AM |
| SubDirectory     | LB136530         | Test         | TSS                   |
| <b>STD. NAME</b> | <b>STD REF.#</b> |              |                       |
| ICAL Standard    | N/A              |              |                       |
| ICV Standard     | N/A              |              |                       |
| CCV Standard     | N/A              |              |                       |
| ICSA Standard    | N/A              |              |                       |
| CRI Standard     | N/A              |              |                       |
| LCS Standard     | N/A              |              |                       |
| Chk Standard     | N/A              |              |                       |

| Sr# | SampleId    | ClientID                | QcType | Date           | Comment                   | Operator | Status |
|-----|-------------|-------------------------|--------|----------------|---------------------------|----------|--------|
| 1   | LB136530BL  | LB136530BL              | MB     | 07/17/25 15:00 |                           | jignesh  | OK     |
| 2   | LB136530BS  | LB136530BS              | LCS    | 07/17/25 15:00 | 55MG W3186 + 100 ML W3112 | jignesh  | OK     |
| 3   | Q2604-02    | RW8-SP303-2025071       | SAM    | 07/17/25 15:00 |                           | jignesh  | OK     |
| 4   | Q2615-02    | COMP                    | SAM    | 07/17/25 15:00 |                           | jignesh  | OK     |
| 5   | Q2615-02DUP | COMPDUP                 | DUP    | 07/17/25 15:00 |                           | jignesh  | OK     |
| 6   | Q2629-01    | 011 willets Pt Blvd(ma  | SAM    | 07/17/25 15:00 |                           | jignesh  | OK     |
| 7   | Q2629-02    | 022 35th Ave(may)       | SAM    | 07/17/25 15:00 |                           | jignesh  | OK     |
| 8   | Q2630-01    | 001 Willets Pt Blvd (Ju | SAM    | 07/17/25 15:00 |                           | jignesh  | OK     |
| 9   | Q2630-02    | 002 35th Ave (JUNE)     | SAM    | 07/17/25 15:00 |                           | jignesh  | OK     |
| 10  | Q2633-02    | FIBER-GLASS-TANK        | SAM    | 07/17/25 15:00 |                           | jignesh  | OK     |

### Prep Standard - Chemical Standard Summary

**Order ID :** Q2604

**Test :** TDS,TSS

**Prepbatch ID :**

**Sequence ID/Qc Batch ID:** LB136528, LB136530,

**Standard ID :**

**Chemical ID :**

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### CHEMICAL RECEIPT LOG BOOK

| Supplier | ItemCode / ItemName | Lot # | Expiration<br>Date | Date Opened /<br>Opened By | Received Date /<br>Received By | Chemtech<br>Lot # |
|----------|---------------------|-------|--------------------|----------------------------|--------------------------------|-------------------|
|          |                     |       |                    | /                          | /                              |                   |

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# SHIPPING DOCUMENTS

- 1
- 2
- 3
- 4
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|                                                                                                                                                                          |                                  |                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                |                                                                               |                        |   |   |   |   |   |   |   |   |   |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------|------------------------|---|---|---|---|---|---|---|---|---|
| <b>CHEMTECH</b><br>CHAIN OF CUSTODY RECORD                                                                                                                               |                                  | 284 Sheffield Street, Mountainside, NJ 07092<br>(908) 789-8900 Fax: (908) 78-8922<br>www.chemtech.net                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                              | Chemtech Project Number: <span style="float: right;">Q 2604</span>                                                                                                                                                                                                             |                                                                               |                        |   |   |   |   |   |   |   |   |   |
| COC Number:                                                                                                                                                              |                                  |                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                |                                                                               |                        |   |   |   |   |   |   |   |   |   |
| CLIENT INFORMATION                                                                                                                                                       |                                  | PROJECT INFORMATION                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                              | BILLING INFORMATION                                                                                                                                                                                                                                                            |                                                                               |                        |   |   |   |   |   |   |   |   |   |
| COMPANY: Tetra Tech                                                                                                                                                      |                                  | PROJECT NAME: NWIRP Bethpage                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                              | BILL TO: PO#                                                                                                                                                                                                                                                                   |                                                                               |                        |   |   |   |   |   |   |   |   |   |
| ADDRESS: 4433 Corporation Ln, Suite 300                                                                                                                                  |                                  | PROJECT #: 112G08005-WE13 LOCATION: RW8                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                              | ADDRESS:                                                                                                                                                                                                                                                                       |                                                                               |                        |   |   |   |   |   |   |   |   |   |
| CITY: Virginia Beach STATE: VA ZIP: 23462                                                                                                                                |                                  | PROJECT MANAGER: Ernie Wu                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                              | CITY: STATE: ZIP:                                                                                                                                                                                                                                                              |                                                                               |                        |   |   |   |   |   |   |   |   |   |
| ATTENTION: Ernie Wu                                                                                                                                                      |                                  | E-MAIL: ernie.wu@tetratech.com                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                              | ATTENTION: PHONE:                                                                                                                                                                                                                                                              |                                                                               |                        |   |   |   |   |   |   |   |   |   |
| PHONE: 757-466-4901 FAX: 757-461-4148                                                                                                                                    |                                  | PHONE: 757-466-4901 FAX: 757-461-4148                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                |                                                                               |                        |   |   |   |   |   |   |   |   |   |
| DATA TURNAROUND INFORMATION                                                                                                                                              |                                  | DATA DELIVERABLE INFORMATION                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                              | ANALYSIS                                                                                                                                                                                                                                                                       |                                                                               |                        |   |   |   |   |   |   |   |   |   |
| FAX: _____ 10 _____ DAYS*<br>HARD COPY: _____ 10 _____ DAYS*<br>EDD _____ 10 _____ DAYS*<br>* TO BE APPROVED BY CHEMTECH<br>STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS |                                  | <input type="checkbox"/> RESEULTS ONLY <input type="checkbox"/> USEPA CLP<br><input type="checkbox"/> RESULTS + QC <input type="checkbox"/> New York State ASP "B"<br><input type="checkbox"/> New Jersey REDUCED <input type="checkbox"/> New York State ASP "A"<br><input type="checkbox"/> New Jersey CLP <input type="checkbox"/> Other _____<br><input type="checkbox"/> EDD Format _____ |                                                                                                                                                                                                                                                                                                              | <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="writing-mode: vertical-rl; transform: rotate(180deg);">1,4-Dioxane SW846 8270</td> <td>1</td><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td><td>8</td><td>9</td> </tr> </table> |                                                                               | 1,4-Dioxane SW846 8270 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| 1,4-Dioxane SW846 8270                                                                                                                                                   | 1                                | 2                                                                                                                                                                                                                                                                                                                                                                                              | 3                                                                                                                                                                                                                                                                                                            | 4                                                                                                                                                                                                                                                                              | 5                                                                             | 6                      | 7 | 8 | 9 |   |   |   |   |   |   |
|                                                                                                                                                                          |                                  |                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                              | PRESERVATIVES                                                                                                                                                                                                                                                                  |                                                                               |                        |   |   |   |   |   |   |   |   |   |
|                                                                                                                                                                          |                                  |                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                              | COMMENTS                                                                                                                                                                                                                                                                       |                                                                               |                        |   |   |   |   |   |   |   |   |   |
| CHEMTECH<br>SAMPLE<br>ID                                                                                                                                                 | PROJECT<br>SAMPLE IDENTIFICATION | SAMPLE<br>MATRIX                                                                                                                                                                                                                                                                                                                                                                               | SAMPLE<br>TYPE<br>COMP GRAB                                                                                                                                                                                                                                                                                  | SAMPLE<br>COLLECTION<br>DATE TIME                                                                                                                                                                                                                                              | # of Bottles                                                                  |                        |   |   |   |   |   |   |   |   |   |
|                                                                                                                                                                          |                                  |                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                |                                                                               |                        |   |   |   |   |   |   |   |   |   |
| 1.                                                                                                                                                                       | RW8-SP100-20250711               | GW                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                              | 7/11/25 13:05                                                                                                                                                                                                                                                                  | 2                                                                             |                        |   |   |   |   |   |   |   |   |   |
| 2.                                                                                                                                                                       | RW8-SP303-20250711               | GW                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                              | 7/11/25 13:13                                                                                                                                                                                                                                                                  | 4                                                                             |                        |   |   |   |   |   |   |   |   |   |
| 3.                                                                                                                                                                       |                                  |                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                |                                                                               |                        |   |   |   |   |   |   |   |   |   |
| 4.                                                                                                                                                                       |                                  |                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                |                                                                               |                        |   |   |   |   |   |   |   |   |   |
| 5.                                                                                                                                                                       |                                  |                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                |                                                                               |                        |   |   |   |   |   |   |   |   |   |
| 6.                                                                                                                                                                       |                                  |                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                |                                                                               |                        |   |   |   |   |   |   |   |   |   |
| 7.                                                                                                                                                                       |                                  |                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                |                                                                               |                        |   |   |   |   |   |   |   |   |   |
| 8.                                                                                                                                                                       |                                  |                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                |                                                                               |                        |   |   |   |   |   |   |   |   |   |
| 9.                                                                                                                                                                       |                                  |                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                |                                                                               |                        |   |   |   |   |   |   |   |   |   |
| 10.                                                                                                                                                                      |                                  |                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                |                                                                               |                        |   |   |   |   |   |   |   |   |   |
| SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE PROSESSION INCLUDING COURIER DELIVERY                                                                   |                                  |                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                |                                                                               |                        |   |   |   |   |   |   |   |   |   |
| RELINQUISHED BY SAMPLER                                                                                                                                                  | DATE/TIME                        | RECEIVED BY                                                                                                                                                                                                                                                                                                                                                                                    | Conditions of bottles or coolers at receipt: <input type="checkbox"/> Compliant <input type="checkbox"/> Non Compliant <input type="checkbox"/> Cooler Temp <u>24.5</u><br>MeOH extraction requires an additional 4oz. Jar for percent solid <input type="checkbox"/> Ice in Cooler? <u>yes</u><br>Comments: |                                                                                                                                                                                                                                                                                |                                                                               |                        |   |   |   |   |   |   |   |   |   |
| 1. <u>[Signature]</u>                                                                                                                                                    | 7/14/25 13:00                    | 1. <u>[Signature]</u>                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                |                                                                               |                        |   |   |   |   |   |   |   |   |   |
| RELINQUISHED BY                                                                                                                                                          | DATE/TIME                        | RECEIVED BY                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                |                                                                               |                        |   |   |   |   |   |   |   |   |   |
| 2. <u>[Signature]</u>                                                                                                                                                    | 7/15/25 10:15                    | 2. <u>[Signature]</u>                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                |                                                                               |                        |   |   |   |   |   |   |   |   |   |
| RELINQUISHED BY                                                                                                                                                          | DATE/TIME                        | RECEIVED FOR LAB BY                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                |                                                                               |                        |   |   |   |   |   |   |   |   |   |
| 3. <u>[Signature]</u>                                                                                                                                                    |                                  | 3. <u>[Signature]</u>                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                |                                                                               |                        |   |   |   |   |   |   |   |   |   |
| Page _____ of _____                                                                                                                                                      |                                  |                                                                                                                                                                                                                                                                                                                                                                                                | SHIPPED VIA: CLIENT: <input type="checkbox"/> Hand Delivered <input type="checkbox"/> Overnight<br>CHEMTECH: <input type="checkbox"/> Picked Up <input type="checkbox"/> Overnight                                                                                                                           |                                                                                                                                                                                                                                                                                | Shipment Complete<br><input type="checkbox"/> YES <input type="checkbox"/> NO |                        |   |   |   |   |   |   |   |   |   |
| WHITE - CHEMTECH COPY FOR RETURN TO CLIENT    YELLOW - CHEMTECH COPY    PINK - SAMPLER COPY                                                                              |                                  |                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                |                                                                               |                        |   |   |   |   |   |   |   |   |   |

### Laboratory Certification

| Certified By         | License No.      |
|----------------------|------------------|
| CAS EPA CLP Contract | 68HERH20D0011    |
| Connecticut          | PH-0830          |
| DOD ELAP (ANAB)      | L2219            |
| Maine                | 2024021          |
| Maryland             | 296              |
| New Hampshire        | 255424 Rev 1     |
| New Jersey           | 20012            |
| New York             | 11376            |
| Pennsylvania         | 68-00548         |
| Soil Permit          | 525-24-234-08441 |
| Texas                | T104704488       |