

## **ANALYTICAL RESULTS SUMMARY**

SEMI-VOLATILE ORGANICS  
VOLATILE ORGANICS

**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 : Q2186**

**ATTENTION : Ernie Wu**



**Laboratory Certification ID # 20012**



|                                     |    |
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## Cover Page

**Order ID :** Q2186

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

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

### Lab Sample Number

Q2186-01  
Q2186-02  
Q2186-03  
Q2186-06  
Q2186-07  
Q2186-08  
Q2186-09

### Client Sample Number

BP-VPB-182-TB-20250530  
BP-VPB-182-GW-670-672  
BP-VPB-182-GW-680-682  
BP-VPB-182-GW-705-707  
BP-VPB-182-GW-720-722  
BP-VPB-182-DUP-20250602  
VPB182-HYD-20250530

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: 6/10/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

## **CASE NARRATIVE**

**Tetra Tech NUS, Inc.**

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

**Project Manager# Ernie Wu**

**Order ID # Q2186**

**Test Name: VOCMS Group1**

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

7 Water samples were received on 06/02/2025.

### **B. Parameters**

According to the Chain of Custody document, the following analyses were requested: SVOC-SIMGroup1 and VOCMS Group1. This data package contains results for VOCMS Group1.

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

The analysis performed on instrument MSVOA\_X were done using GC column DB-624UI 20m 0.18mm 1.0 um. Cat#121-1324UI The analysis of VOCMS Group1 was based on method 8260D.

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

The Holding Times were met for all analysis.

The Surrogate recoveries met the acceptable criteria.

The Internal Standards Areas met the acceptable requirements.

The Retention Times were acceptable for all samples.

The RPD met criteria.

The Blank Spike met requirements for all samples.

The Blank Spike Duplicate met requirements for all samples.

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

The Initial Calibration met the requirements.

The Continuous Calibration met the requirements.

The Tuning criteria met requirements.

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

Samples for MS/MSD for VOC analysis were not provided with this set of samples. The Blank Spike Duplicate is reported with the data.

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

The not QT review data is reported in the Miscellaneous.



Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <20% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 20% for the Initial Calibration curve for SW-846 analysis.

**F. Manual Integration Comments:**

Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

---

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\_\_\_\_\_

## **CASE NARRATIVE**

**Tetra Tech NUS, Inc.**

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

**Project Manager # Ernie Wu**

**Order ID # Q2186**

**Test Name: SVOC-SIMGroup1**

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

7 Water samples were received on 06/02/2025.

### **B. Parameters**

According to the Chain of Custody document, the following analyses were requested: SVOC-SIMGroup1 and VOCMS Group1. This data package contains results for SVOC-SIMGroup1.

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

The samples were analyzed on instrument BNA\_N using GC Column ZB-SemiVolatiles Guardian which is 30 meters, 0.25 mm ID, 0.5 um df, Catalog # 7HG-G027-17-GGAThe analysis of SVOC-SIMGroup1 was based on method 8270-Modified and extraction was done based on method 3510.

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

The Holding Times were met for all analysis.

The Surrogate recoveries met the acceptable criteria except for VPB182-HYD-20250530 [2-Methylnaphthalene-d10 - 7%], due to matrix interference therefore no corrective action was taken.

The Internal Standards Areas met the acceptable requirements.

The Retention Times were acceptable for all samples.

The RPD met criteria .

The Blank Spike met requirements for all samples .

The Blank Spike Duplicate met requirements for all samples .

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

The Initial Calibration met the Requirements.

The Continuous Calibration met the requirements .

The Tuning criteria met requirements.

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

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

Sample # BP-VPB-182-GW-680-682 was received with limited volume.



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

The Form 6 is not included in the data package because the Initial Calibration was performed using 7 points.

The not QT review data is reported in the Miscellaneous.

Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <20% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 20% for the Initial Calibration curve for SW-846 analysis.

**F. Manual Integration Comments:**

Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

---

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- ORGANIC

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

|           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|-----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Value     | If the result is a value greater than or equal to the detection limit, report the value                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>U</b>  | Indicates the compound was analyzed for but was not detected. Report the minimum detection limit for the sample with the U, i.e. “10 U”. This is not necessarily the instrument detection limit attainable for this particular sample based on any concentration or dilution that may have been required.                                                                                                                                                                                                                                                                                      |
| <b>ND</b> | Indicates the analyte was analyzed for, but not detected                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>J</b>  | Indicates an estimated value. This flag is used: <ol style="list-style-type: none"> <li>(1) When estimating a concentration for a tentatively identified compound (library search hits, where a 1:1 response is assumed.)</li> <li>(2) When the mass spectral data indicated the identification, however the result was less than the specified detection limit greater than zero. If the detection limit was 10ug/L and a concentration of 3 ug/L was calculated report as 3 J. This flag is used when similar situation arise on any organic parameter i.e. Pest, PCB and others.</li> </ol> |
| <b>B</b>  | Indicates the analyte was found in the blank as well as the sample report as “12 B”.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>E</b>  | Indicates the analyte ‘s concentration exceeds the calibrated range of the instrument for that specific analysis.                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>D</b>  | This flag identifies all compounds identified in an analysis at a secondary dilution factor.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>P</b>  | This flag is used for Pesticide/PCB target analyte when there is >25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on Form 1 and flagged with a “P”.                                                                                                                                                                                                                                                                                                                                                                             |
| <b>N</b>  | This flag indicates presumptive evidence of a compound. This is only used for tentatively identified compounds (TICs), where the identification is based on a mass spectral library search. It applies to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the flag is not used.                                                                                                                                                                                                                                                                       |
| <b>A</b>  | This flag indicates that a Tentatively Identified Compound is a suspected aldol-condensation product.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Q</b>  | Indicates the LCS did not meet the control limits requirements                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |

## APPENDIX A

### QA REVIEW GENERAL DOCUMENTATION

Project #: Q2186

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 Custody

✓

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: 06/10/2025

## LAB CHRONICLE

|                 |                      |                   |                               |
|-----------------|----------------------|-------------------|-------------------------------|
| <b>OrderID:</b> | Q2186                | <b>OrderDate:</b> | 6/2/2025 4:04:00 PM           |
| <b>Client:</b>  | Tetra Tech NUS, Inc. | <b>Project:</b>   | NWIRP Bethpage 112G08005-WE13 |
| <b>Contact:</b> | Ernie Wu             | <b>Location:</b>  | N13,VOA Ref. #3 Water         |

| LabID           | ClientID                            | Matrix       | Test         | Method   | Sample Date     | Prep Date | Anal Date | Received        |
|-----------------|-------------------------------------|--------------|--------------|----------|-----------------|-----------|-----------|-----------------|
| <b>Q2186-01</b> | <b>BP-VPB-182-TB-2025<br/>0530</b>  | <b>Water</b> |              |          | <b>05/30/25</b> |           |           | <b>06/02/25</b> |
|                 |                                     |              | VOCMS Group1 | 8260-Low |                 |           | 06/03/25  |                 |
| <b>Q2186-02</b> | <b>BP-VPB-182-GW-670-<br/>672</b>   | <b>Water</b> |              |          | <b>05/30/25</b> |           |           | <b>06/02/25</b> |
|                 |                                     |              | VOCMS Group1 | 8260-Low |                 |           | 06/03/25  |                 |
| <b>Q2186-03</b> | <b>BP-VPB-182-GW-680-<br/>682</b>   | <b>Water</b> |              |          | <b>05/30/25</b> |           |           | <b>06/02/25</b> |
|                 |                                     |              | VOCMS Group1 | 8260-Low |                 |           | 06/03/25  |                 |
| <b>Q2186-06</b> | <b>BP-VPB-182-GW-705-<br/>707</b>   | <b>Water</b> |              |          | <b>06/02/25</b> |           |           | <b>06/02/25</b> |
|                 |                                     |              | VOCMS Group1 | 8260-Low |                 |           | 06/03/25  |                 |
| <b>Q2186-07</b> | <b>BP-VPB-182-GW-720-<br/>722</b>   | <b>Water</b> |              |          | <b>06/02/25</b> |           |           | <b>06/02/25</b> |
|                 |                                     |              | VOCMS Group1 | 8260-Low |                 |           | 06/03/25  |                 |
| <b>Q2186-08</b> | <b>BP-VPB-182-DUP-202<br/>50602</b> | <b>Water</b> |              |          | <b>06/02/25</b> |           |           | <b>06/02/25</b> |
|                 |                                     |              | VOCMS Group1 | 8260-Low |                 |           | 06/03/25  |                 |
| <b>Q2186-09</b> | <b>VPB182-HYD-202505<br/>30</b>     | <b>Water</b> |              |          | <b>05/30/25</b> |           |           | <b>06/02/25</b> |
|                 |                                     |              | VOCMS Group1 | 8260-Low |                 |           | 06/03/25  |                 |

### Hit Summary Sheet SW-846

SDG No.: Q2186  
Client: Tetra Tech NUS, Inc.

| Sample ID                     | Client ID                                               | Matrix                      | Parameter | Concentration | C | MDL  | LOD  | RDL  | Units |
|-------------------------------|---------------------------------------------------------|-----------------------------|-----------|---------------|---|------|------|------|-------|
| <b>Client ID:</b><br>Q2186-01 | <b>BP-VPB-182-TB-20250530</b><br>BP-VPB-182-TB-20 Water | Acetone                     |           | 1.70          | J | 1.50 | 3.80 | 5.00 | ug/L  |
|                               |                                                         | <b>Total Voc :</b>          |           | 1.70          |   |      |      |      |       |
|                               |                                                         | <b>Total Concentration:</b> |           | 1.70          |   |      |      |      |       |
| <b>Client ID:</b><br>Q2186-02 | <b>BP-VPB-182-GW-670-672</b><br>BP-VPB-182-GW-6 Water   | Acetone                     |           | 15.2          |   | 1.50 | 3.80 | 5.00 | ug/L  |
| Q2186-02                      | BP-VPB-182-GW-6 Water                                   | Carbon Disulfide            |           | 1.00          |   | 0.21 | 0.75 | 1.00 | ug/L  |
|                               |                                                         | <b>Total Voc :</b>          |           | 16.2          |   |      |      |      |       |
|                               |                                                         | <b>Total Concentration:</b> |           | 16.2          |   |      |      |      |       |
| <b>Client ID:</b><br>Q2186-03 | <b>BP-VPB-182-GW-680-682</b><br>BP-VPB-182-GW-6 Water   | Acetone                     |           | 7.30          |   | 1.50 | 3.80 | 5.00 | ug/L  |
|                               |                                                         | <b>Total Voc :</b>          |           | 7.30          |   |      |      |      |       |
|                               |                                                         | <b>Total Concentration:</b> |           | 7.30          |   |      |      |      |       |
| <b>Client ID:</b><br>Q2186-06 | <b>BP-VPB-182-GW-705-707</b><br>BP-VPB-182-GW-7 Water   | Acetone                     |           | 7.00          |   | 1.50 | 3.80 | 5.00 | ug/L  |
|                               |                                                         | <b>Total Voc :</b>          |           | 7.00          |   |      |      |      |       |
|                               |                                                         | <b>Total Concentration:</b> |           | 7.00          |   |      |      |      |       |
| <b>Client ID:</b><br>Q2186-07 | <b>BP-VPB-182-GW-720-722</b><br>BP-VPB-182-GW-7 Water   | Acetone                     |           | 6.30          |   | 1.50 | 3.80 | 5.00 | ug/L  |
|                               |                                                         | <b>Total Voc :</b>          |           | 6.30          |   |      |      |      |       |
|                               |                                                         | <b>Total Concentration:</b> |           | 6.30          |   |      |      |      |       |
| <b>Client ID:</b><br>Q2186-08 | <b>BP-VPB-182-DUP-20250602</b><br>BP-VPB-182-DUP- Water | Acetone                     |           | 7.20          |   | 1.50 | 3.80 | 5.00 | ug/L  |
|                               |                                                         | <b>Total Voc :</b>          |           | 7.20          |   |      |      |      |       |
|                               |                                                         | <b>Total Concentration:</b> |           | 7.20          |   |      |      |      |       |
| <b>Client ID:</b><br>Q2186-09 | <b>VPB182-HYD-20250530</b><br>VPB182-HYD-2025 Water     | Acetone                     |           | 2.50          | J | 1.50 | 3.80 | 5.00 | ug/L  |
| Q2186-09                      | VPB182-HYD-2025 Water                                   | Dibromochloromethane        |           | 1.70          |   | 0.18 | 0.50 | 1.00 | ug/L  |
|                               |                                                         | <b>Total Voc :</b>          |           | 4.20          |   |      |      |      |       |
|                               |                                                         | <b>Total Concentration:</b> |           | 4.20          |   |      |      |      |       |



# SAMPLE DATA



## Report of Analysis

|                    |                               |           |                 |              |    |
|--------------------|-------------------------------|-----------|-----------------|--------------|----|
| Client:            | Tetra Tech NUS, Inc.          |           | Date Collected: | 05/30/25     |    |
| Project:           | NWIRP Bethpage 112G08005-WE13 |           | Date Received:  | 06/02/25     |    |
| Client Sample ID:  | BP-VPB-182-TB-20250530        |           | SDG No.:        | Q2186        |    |
| Lab Sample ID:     | Q2186-01                      |           | Matrix:         | Water        |    |
| Analytical Method: | 8260D                         |           | % Solid:        | 0            |    |
| Sample Wt/Vol:     | 5                             | Units: mL | Final Vol:      | 5000         | uL |
| Soil Aliquot Vol:  |                               | uL        | Test:           | VOCMS Group1 |    |
| GC Column:         | DB-624UI                      | ID : 0.18 | Level :         | LOW          |    |
| Prep Method :      |                               |           |                 |              |    |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VX046466.D        | 1         |           | 06/03/25 12:36 | VX060325      |

| CAS Number     | Parameter                      | Conc. | Qualifier | MDL   | LOD  | LOQ / CRQL | Units |
|----------------|--------------------------------|-------|-----------|-------|------|------------|-------|
| <b>TARGETS</b> |                                |       |           |       |      |            |       |
| 74-87-3        | Chloromethane                  | 0.50  | U         | 0.32  | 0.50 | 1.00       | ug/L  |
| 75-01-4        | Vinyl Chloride                 | 0.75  | U         | 0.26  | 0.75 | 1.00       | ug/L  |
| 74-83-9        | Bromomethane                   | 3.80  | U         | 1.40  | 3.80 | 5.00       | ug/L  |
| 75-00-3        | Chloroethane                   | 0.75  | U         | 0.47  | 0.75 | 1.00       | ug/L  |
| 75-69-4        | Trichlorofluoromethane         | 0.50  | U         | 0.33  | 0.50 | 1.00       | ug/L  |
| 76-13-1        | 1,1,2-Trichlorotrifluoroethane | 0.50  | U         | 0.25  | 0.50 | 1.00       | ug/L  |
| 75-35-4        | 1,1-Dichloroethene             | 0.75  | U         | 0.23  | 0.75 | 1.00       | ug/L  |
| 67-64-1        | Acetone                        | 1.70  | J         | 1.50  | 3.80 | 5.00       | ug/L  |
| 75-15-0        | Carbon Disulfide               | 0.75  | U         | 0.21  | 0.75 | 1.00       | ug/L  |
| 1634-04-4      | Methyl tert-butyl Ether        | 0.50  | U         | 0.16  | 0.50 | 1.00       | ug/L  |
| 75-09-2        | Methylene Chloride             | 0.50  | U         | 0.28  | 0.50 | 1.00       | ug/L  |
| 156-60-5       | trans-1,2-Dichloroethene       | 0.50  | U         | 0.23  | 0.50 | 1.00       | ug/L  |
| 75-34-3        | 1,1-Dichloroethane             | 0.50  | U         | 0.23  | 0.50 | 1.00       | ug/L  |
| 78-93-3        | 2-Butanone                     | 2.50  | U         | 0.98  | 2.50 | 5.00       | ug/L  |
| 56-23-5        | Carbon Tetrachloride           | 0.50  | U         | 0.25  | 0.50 | 1.00       | ug/L  |
| 156-59-2       | cis-1,2-Dichloroethene         | 0.75  | U         | 0.19  | 0.75 | 1.00       | ug/L  |
| 67-66-3        | Chloroform                     | 0.50  | U         | 0.25  | 0.50 | 1.00       | ug/L  |
| 71-55-6        | 1,1,1-Trichloroethane          | 0.50  | U         | 0.20  | 0.50 | 1.00       | ug/L  |
| 108-87-2       | Methylcyclohexane              | 0.50  | U         | 0.16  | 0.50 | 1.00       | ug/L  |
| 71-43-2        | Benzene                        | 0.50  | U         | 0.15  | 0.50 | 1.00       | ug/L  |
| 107-06-2       | 1,2-Dichloroethane             | 0.50  | U         | 0.22  | 0.50 | 1.00       | ug/L  |
| 79-01-6        | Trichloroethene                | 0.75  | U         | 0.090 | 0.75 | 1.00       | ug/L  |
| 78-87-5        | 1,2-Dichloropropane            | 0.50  | U         | 0.20  | 0.50 | 1.00       | ug/L  |
| 75-27-4        | Bromodichloromethane           | 0.50  | U         | 0.22  | 0.50 | 1.00       | ug/L  |
| 108-10-1       | 4-Methyl-2-Pentanone           | 2.50  | U         | 0.68  | 2.50 | 5.00       | ug/L  |
| 108-88-3       | Toluene                        | 0.50  | U         | 0.14  | 0.50 | 1.00       | ug/L  |
| 10061-02-6     | t-1,3-Dichloropropene          | 0.50  | U         | 0.17  | 0.50 | 1.00       | ug/L  |
| 10061-01-5     | cis-1,3-Dichloropropene        | 0.50  | U         | 0.16  | 0.50 | 1.00       | ug/L  |
| 79-00-5        | 1,1,2-Trichloroethane          | 0.50  | U         | 0.21  | 0.50 | 1.00       | ug/L  |
| 591-78-6       | 2-Hexanone                     | 2.50  | U         | 0.89  | 2.50 | 5.00       | ug/L  |

## Report of Analysis

|                    |                               |           |                 |              |    |
|--------------------|-------------------------------|-----------|-----------------|--------------|----|
| Client:            | Tetra Tech NUS, Inc.          |           | Date Collected: | 05/30/25     |    |
| Project:           | NWIRP Bethpage 112G08005-WE13 |           | Date Received:  | 06/02/25     |    |
| Client Sample ID:  | BP-VPB-182-TB-20250530        |           | SDG No.:        | Q2186        |    |
| Lab Sample ID:     | Q2186-01                      |           | Matrix:         | Water        |    |
| Analytical Method: | 8260D                         |           | % Solid:        | 0            |    |
| Sample Wt/Vol:     | 5                             | Units: mL | Final Vol:      | 5000         | uL |
| Soil Aliquot Vol:  |                               | uL        | Test:           | VOCMS Group1 |    |
| GC Column:         | DB-624UI                      | ID : 0.18 | Level :         | LOW          |    |
| Prep Method :      |                               |           |                 |              |    |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VX046466.D        | 1         |           | 06/03/25 12:36 | VX060325      |

| CAS Number                            | Parameter                 | Conc.  | Qualifier | MDL      | LOD  | LOQ / CRQL | Units   |
|---------------------------------------|---------------------------|--------|-----------|----------|------|------------|---------|
| 124-48-1                              | Dibromochloromethane      | 0.50   | U         | 0.18     | 0.50 | 1.00       | ug/L    |
| 127-18-4                              | Tetrachloroethene         | 0.50   | U         | 0.23     | 0.50 | 1.00       | ug/L    |
| 108-90-7                              | Chlorobenzene             | 0.50   | U         | 0.12     | 0.50 | 1.00       | ug/L    |
| 100-41-4                              | Ethyl Benzene             | 0.50   | U         | 0.13     | 0.50 | 1.00       | ug/L    |
| 179601-23-1                           | m/p-Xylenes               | 1.00   | U         | 0.24     | 1.00 | 2.00       | ug/L    |
| 95-47-6                               | o-Xylene                  | 0.50   | U         | 0.12     | 0.50 | 1.00       | ug/L    |
| 100-42-5                              | Styrene                   | 0.50   | U         | 0.15     | 0.50 | 1.00       | ug/L    |
| 75-25-2                               | Bromoform                 | 0.50   | U         | 0.19     | 0.50 | 1.00       | ug/L    |
| 98-82-8                               | Isopropylbenzene          | 0.50   | U         | 0.12     | 0.50 | 1.00       | ug/L    |
| 79-34-5                               | 1,1,2,2-Tetrachloroethane | 0.50   | U         | 0.26     | 0.50 | 1.00       | ug/L    |
| 541-73-1                              | 1,3-Dichlorobenzene       | 0.50   | U         | 0.16     | 0.50 | 1.00       | ug/L    |
| 106-46-7                              | 1,4-Dichlorobenzene       | 0.50   | U         | 0.19     | 0.50 | 1.00       | ug/L    |
| 95-50-1                               | 1,2-Dichlorobenzene       | 0.50   | U         | 0.16     | 0.50 | 1.00       | ug/L    |
| <b>SURROGATES</b>                     |                           |        |           |          |      |            |         |
| 17060-07-0                            | 1,2-Dichloroethane-d4     | 51.0   |           | 81 - 118 |      | 102%       | SPK: 50 |
| 1868-53-7                             | Dibromofluoromethane      | 48.6   |           | 80 - 119 |      | 97%        | SPK: 50 |
| 2037-26-5                             | Toluene-d8                | 49.4   |           | 89 - 112 |      | 99%        | SPK: 50 |
| 460-00-4                              | 4-Bromofluorobenzene      | 51.4   |           | 85 - 114 |      | 103%       | SPK: 50 |
| <b>INTERNAL STANDARDS</b>             |                           |        |           |          |      |            |         |
| 363-72-4                              | Pentafluorobenzene        | 73100  | 5.543     |          |      |            |         |
| 540-36-3                              | 1,4-Difluorobenzene       | 148000 | 6.757     |          |      |            |         |
| 3114-55-4                             | Chlorobenzene-d5          | 139000 | 10.055    |          |      |            |         |
| 3855-82-1                             | 1,4-Dichlorobenzene-d4    | 59400  | 12.018    |          |      |            |         |
| <b>TENTATIVE IDENTIFIED COMPOUNDS</b> |                           |        |           |          |      |            |         |
| 75-43-4                               | Dichlorofluoromethane     | N.D    |           |          |      |            |         |

## Report of Analysis

|                    |                               |           |                 |              |    |
|--------------------|-------------------------------|-----------|-----------------|--------------|----|
| Client:            | Tetra Tech NUS, Inc.          |           | Date Collected: | 05/30/25     |    |
| Project:           | NWIRP Bethpage 112G08005-WE13 |           | Date Received:  | 06/02/25     |    |
| Client Sample ID:  | BP-VPB-182-TB-20250530        |           | SDG No.:        | Q2186        |    |
| Lab Sample ID:     | Q2186-01                      |           | Matrix:         | Water        |    |
| Analytical Method: | 8260D                         |           | % Solid:        | 0            |    |
| Sample Wt/Vol:     | 5                             | Units: mL | Final Vol:      | 5000         | uL |
| Soil Aliquot Vol:  |                               | uL        | Test:           | VOCMS Group1 |    |
| GC Column:         | DB-624UI                      | ID : 0.18 | Level :         | LOW          |    |
| Prep Method :      |                               |           |                 |              |    |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VX046466.D        | 1         |           | 06/03/25 12:36 | VX060325      |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|------------|-----------|-------|-----------|-----|-----|------------|-------|
|------------|-----------|-------|-----------|-----|-----|------------|-------|

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: | 05/30/25     |    |
| Project:           | NWIRP Bethpage 112G08005-WE13 |           | Date Received:  | 06/02/25     |    |
| Client Sample ID:  | BP-VPB-182-GW-670-672         |           | SDG No.:        | Q2186        |    |
| Lab Sample ID:     | Q2186-02                      |           | Matrix:         | Water        |    |
| Analytical Method: | 8260D                         |           | % Solid:        | 0            |    |
| Sample Wt/Vol:     | 5                             | Units: mL | Final Vol:      | 5000         | uL |
| Soil Aliquot Vol:  |                               | uL        | Test:           | VOCMS Group1 |    |
| GC Column:         | DB-624UI                      | ID : 0.18 | Level :         | LOW          |    |
| Prep Method :      |                               |           |                 |              |    |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VX046467.D        | 1         |           | 06/03/25 12:59 | VX060325      |

| CAS Number     | Parameter                      | Conc. | Qualifier | MDL   | LOD  | LOQ / CRQL | Units |
|----------------|--------------------------------|-------|-----------|-------|------|------------|-------|
| <b>TARGETS</b> |                                |       |           |       |      |            |       |
| 74-87-3        | Chloromethane                  | 0.50  | U         | 0.32  | 0.50 | 1.00       | ug/L  |
| 75-01-4        | Vinyl Chloride                 | 0.75  | U         | 0.26  | 0.75 | 1.00       | ug/L  |
| 74-83-9        | Bromomethane                   | 3.80  | U         | 1.40  | 3.80 | 5.00       | ug/L  |
| 75-00-3        | Chloroethane                   | 0.75  | U         | 0.47  | 0.75 | 1.00       | ug/L  |
| 75-69-4        | Trichlorofluoromethane         | 0.50  | U         | 0.33  | 0.50 | 1.00       | ug/L  |
| 76-13-1        | 1,1,2-Trichlorotrifluoroethane | 0.50  | U         | 0.25  | 0.50 | 1.00       | ug/L  |
| 75-35-4        | 1,1-Dichloroethene             | 0.75  | U         | 0.23  | 0.75 | 1.00       | ug/L  |
| 67-64-1        | Acetone                        | 15.2  |           | 1.50  | 3.80 | 5.00       | ug/L  |
| 75-15-0        | Carbon Disulfide               | 1.00  |           | 0.21  | 0.75 | 1.00       | ug/L  |
| 1634-04-4      | Methyl tert-butyl Ether        | 0.50  | U         | 0.16  | 0.50 | 1.00       | ug/L  |
| 75-09-2        | Methylene Chloride             | 0.50  | U         | 0.28  | 0.50 | 1.00       | ug/L  |
| 156-60-5       | trans-1,2-Dichloroethene       | 0.50  | U         | 0.23  | 0.50 | 1.00       | ug/L  |
| 75-34-3        | 1,1-Dichloroethane             | 0.50  | U         | 0.23  | 0.50 | 1.00       | ug/L  |
| 78-93-3        | 2-Butanone                     | 2.50  | U         | 0.98  | 2.50 | 5.00       | ug/L  |
| 56-23-5        | Carbon Tetrachloride           | 0.50  | U         | 0.25  | 0.50 | 1.00       | ug/L  |
| 156-59-2       | cis-1,2-Dichloroethene         | 0.75  | U         | 0.19  | 0.75 | 1.00       | ug/L  |
| 67-66-3        | Chloroform                     | 0.50  | U         | 0.25  | 0.50 | 1.00       | ug/L  |
| 71-55-6        | 1,1,1-Trichloroethane          | 0.50  | U         | 0.20  | 0.50 | 1.00       | ug/L  |
| 108-87-2       | Methylcyclohexane              | 0.50  | U         | 0.16  | 0.50 | 1.00       | ug/L  |
| 71-43-2        | Benzene                        | 0.50  | U         | 0.15  | 0.50 | 1.00       | ug/L  |
| 107-06-2       | 1,2-Dichloroethane             | 0.50  | U         | 0.22  | 0.50 | 1.00       | ug/L  |
| 79-01-6        | Trichloroethene                | 0.75  | U         | 0.090 | 0.75 | 1.00       | ug/L  |
| 78-87-5        | 1,2-Dichloropropane            | 0.50  | U         | 0.20  | 0.50 | 1.00       | ug/L  |
| 75-27-4        | Bromodichloromethane           | 0.50  | U         | 0.22  | 0.50 | 1.00       | ug/L  |
| 108-10-1       | 4-Methyl-2-Pentanone           | 2.50  | U         | 0.68  | 2.50 | 5.00       | ug/L  |
| 108-88-3       | Toluene                        | 0.50  | U         | 0.14  | 0.50 | 1.00       | ug/L  |
| 10061-02-6     | t-1,3-Dichloropropene          | 0.50  | U         | 0.17  | 0.50 | 1.00       | ug/L  |
| 10061-01-5     | cis-1,3-Dichloropropene        | 0.50  | U         | 0.16  | 0.50 | 1.00       | ug/L  |
| 79-00-5        | 1,1,2-Trichloroethane          | 0.50  | U         | 0.21  | 0.50 | 1.00       | ug/L  |
| 591-78-6       | 2-Hexanone                     | 2.50  | U         | 0.89  | 2.50 | 5.00       | ug/L  |

## Report of Analysis

|                    |                               |           |                 |              |    |
|--------------------|-------------------------------|-----------|-----------------|--------------|----|
| Client:            | Tetra Tech NUS, Inc.          |           | Date Collected: | 05/30/25     |    |
| Project:           | NWIRP Bethpage 112G08005-WE13 |           | Date Received:  | 06/02/25     |    |
| Client Sample ID:  | BP-VPB-182-GW-670-672         |           | SDG No.:        | Q2186        |    |
| Lab Sample ID:     | Q2186-02                      |           | Matrix:         | Water        |    |
| Analytical Method: | 8260D                         |           | % Solid:        | 0            |    |
| Sample Wt/Vol:     | 5                             | Units: mL | Final Vol:      | 5000         | uL |
| Soil Aliquot Vol:  |                               | uL        | Test:           | VOCMS Group1 |    |
| GC Column:         | DB-624UI                      | ID : 0.18 | Level :         | LOW          |    |
| Prep Method :      |                               |           |                 |              |    |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VX046467.D        | 1         |           | 06/03/25 12:59 | VX060325      |

| CAS Number                            | Parameter                 | Conc.  | Qualifier | MDL      | LOD  | LOQ / CRQL | Units   |
|---------------------------------------|---------------------------|--------|-----------|----------|------|------------|---------|
| 124-48-1                              | Dibromochloromethane      | 0.50   | U         | 0.18     | 0.50 | 1.00       | ug/L    |
| 127-18-4                              | Tetrachloroethene         | 0.50   | U         | 0.23     | 0.50 | 1.00       | ug/L    |
| 108-90-7                              | Chlorobenzene             | 0.50   | U         | 0.12     | 0.50 | 1.00       | ug/L    |
| 100-41-4                              | Ethyl Benzene             | 0.50   | U         | 0.13     | 0.50 | 1.00       | ug/L    |
| 179601-23-1                           | m/p-Xylenes               | 1.00   | U         | 0.24     | 1.00 | 2.00       | ug/L    |
| 95-47-6                               | o-Xylene                  | 0.50   | U         | 0.12     | 0.50 | 1.00       | ug/L    |
| 100-42-5                              | Styrene                   | 0.50   | U         | 0.15     | 0.50 | 1.00       | ug/L    |
| 75-25-2                               | Bromoform                 | 0.50   | U         | 0.19     | 0.50 | 1.00       | ug/L    |
| 98-82-8                               | Isopropylbenzene          | 0.50   | U         | 0.12     | 0.50 | 1.00       | ug/L    |
| 79-34-5                               | 1,1,2,2-Tetrachloroethane | 0.50   | U         | 0.26     | 0.50 | 1.00       | ug/L    |
| 541-73-1                              | 1,3-Dichlorobenzene       | 0.50   | U         | 0.16     | 0.50 | 1.00       | ug/L    |
| 106-46-7                              | 1,4-Dichlorobenzene       | 0.50   | U         | 0.19     | 0.50 | 1.00       | ug/L    |
| 95-50-1                               | 1,2-Dichlorobenzene       | 0.50   | U         | 0.16     | 0.50 | 1.00       | ug/L    |
| <b>SURROGATES</b>                     |                           |        |           |          |      |            |         |
| 17060-07-0                            | 1,2-Dichloroethane-d4     | 51.7   |           | 81 - 118 |      | 103%       | SPK: 50 |
| 1868-53-7                             | Dibromofluoromethane      | 49.8   |           | 80 - 119 |      | 100%       | SPK: 50 |
| 2037-26-5                             | Toluene-d8                | 49.8   |           | 89 - 112 |      | 100%       | SPK: 50 |
| 460-00-4                              | 4-Bromofluorobenzene      | 51.0   |           | 85 - 114 |      | 102%       | SPK: 50 |
| <b>INTERNAL STANDARDS</b>             |                           |        |           |          |      |            |         |
| 363-72-4                              | Pentafluorobenzene        | 70400  | 5.544     |          |      |            |         |
| 540-36-3                              | 1,4-Difluorobenzene       | 140000 | 6.757     |          |      |            |         |
| 3114-55-4                             | Chlorobenzene-d5          | 131000 | 10.049    |          |      |            |         |
| 3855-82-1                             | 1,4-Dichlorobenzene-d4    | 57200  | 12.018    |          |      |            |         |
| <b>TENTATIVE IDENTIFIED COMPOUNDS</b> |                           |        |           |          |      |            |         |
| 75-43-4                               | Dichlorofluoromethane     | N.D    |           |          |      |            |         |

## Report of Analysis

|                    |                               |           |                 |              |    |
|--------------------|-------------------------------|-----------|-----------------|--------------|----|
| Client:            | Tetra Tech NUS, Inc.          |           | Date Collected: | 05/30/25     |    |
| Project:           | NWIRP Bethpage 112G08005-WE13 |           | Date Received:  | 06/02/25     |    |
| Client Sample ID:  | BP-VPB-182-GW-670-672         |           | SDG No.:        | Q2186        |    |
| Lab Sample ID:     | Q2186-02                      |           | Matrix:         | Water        |    |
| Analytical Method: | 8260D                         |           | % Solid:        | 0            |    |
| Sample Wt/Vol:     | 5                             | Units: mL | Final Vol:      | 5000         | uL |
| Soil Aliquot Vol:  |                               | uL        | Test:           | VOCMS Group1 |    |
| GC Column:         | DB-624UI                      | ID : 0.18 | Level :         | LOW          |    |
| Prep Method :      |                               |           |                 |              |    |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VX046467.D        | 1         |           | 06/03/25 12:59 | VX060325      |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|------------|-----------|-------|-----------|-----|-----|------------|-------|
|------------|-----------|-------|-----------|-----|-----|------------|-------|

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: | 05/30/25     |    |
| Project:           | NWIRP Bethpage 112G08005-WE13 |           | Date Received:  | 06/02/25     |    |
| Client Sample ID:  | BP-VPB-182-GW-680-682         |           | SDG No.:        | Q2186        |    |
| Lab Sample ID:     | Q2186-03                      |           | Matrix:         | Water        |    |
| Analytical Method: | 8260D                         |           | % Solid:        | 0            |    |
| Sample Wt/Vol:     | 5                             | Units: mL | Final Vol:      | 5000         | uL |
| Soil Aliquot Vol:  |                               | uL        | Test:           | VOCMS Group1 |    |
| GC Column:         | DB-624UI                      | ID : 0.18 | Level :         | LOW          |    |
| Prep Method :      |                               |           |                 |              |    |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VX046468.D        | 1         |           | 06/03/25 13:23 | VX060325      |

| CAS Number     | Parameter                      | Conc. | Qualifier | MDL   | LOD  | LOQ / CRQL | Units |
|----------------|--------------------------------|-------|-----------|-------|------|------------|-------|
| <b>TARGETS</b> |                                |       |           |       |      |            |       |
| 74-87-3        | Chloromethane                  | 0.50  | U         | 0.32  | 0.50 | 1.00       | ug/L  |
| 75-01-4        | Vinyl Chloride                 | 0.75  | U         | 0.26  | 0.75 | 1.00       | ug/L  |
| 74-83-9        | Bromomethane                   | 3.80  | U         | 1.40  | 3.80 | 5.00       | ug/L  |
| 75-00-3        | Chloroethane                   | 0.75  | U         | 0.47  | 0.75 | 1.00       | ug/L  |
| 75-69-4        | Trichlorofluoromethane         | 0.50  | U         | 0.33  | 0.50 | 1.00       | ug/L  |
| 76-13-1        | 1,1,2-Trichlorotrifluoroethane | 0.50  | U         | 0.25  | 0.50 | 1.00       | ug/L  |
| 75-35-4        | 1,1-Dichloroethene             | 0.75  | U         | 0.23  | 0.75 | 1.00       | ug/L  |
| 67-64-1        | Acetone                        | 7.30  |           | 1.50  | 3.80 | 5.00       | ug/L  |
| 75-15-0        | Carbon Disulfide               | 0.75  | U         | 0.21  | 0.75 | 1.00       | ug/L  |
| 1634-04-4      | Methyl tert-butyl Ether        | 0.50  | U         | 0.16  | 0.50 | 1.00       | ug/L  |
| 75-09-2        | Methylene Chloride             | 0.50  | U         | 0.28  | 0.50 | 1.00       | ug/L  |
| 156-60-5       | trans-1,2-Dichloroethene       | 0.50  | U         | 0.23  | 0.50 | 1.00       | ug/L  |
| 75-34-3        | 1,1-Dichloroethane             | 0.50  | U         | 0.23  | 0.50 | 1.00       | ug/L  |
| 78-93-3        | 2-Butanone                     | 2.50  | U         | 0.98  | 2.50 | 5.00       | ug/L  |
| 56-23-5        | Carbon Tetrachloride           | 0.50  | U         | 0.25  | 0.50 | 1.00       | ug/L  |
| 156-59-2       | cis-1,2-Dichloroethene         | 0.75  | U         | 0.19  | 0.75 | 1.00       | ug/L  |
| 67-66-3        | Chloroform                     | 0.50  | U         | 0.25  | 0.50 | 1.00       | ug/L  |
| 71-55-6        | 1,1,1-Trichloroethane          | 0.50  | U         | 0.20  | 0.50 | 1.00       | ug/L  |
| 108-87-2       | Methylcyclohexane              | 0.50  | U         | 0.16  | 0.50 | 1.00       | ug/L  |
| 71-43-2        | Benzene                        | 0.50  | U         | 0.15  | 0.50 | 1.00       | ug/L  |
| 107-06-2       | 1,2-Dichloroethane             | 0.50  | U         | 0.22  | 0.50 | 1.00       | ug/L  |
| 79-01-6        | Trichloroethene                | 0.75  | U         | 0.090 | 0.75 | 1.00       | ug/L  |
| 78-87-5        | 1,2-Dichloropropane            | 0.50  | U         | 0.20  | 0.50 | 1.00       | ug/L  |
| 75-27-4        | Bromodichloromethane           | 0.50  | U         | 0.22  | 0.50 | 1.00       | ug/L  |
| 108-10-1       | 4-Methyl-2-Pentanone           | 2.50  | U         | 0.68  | 2.50 | 5.00       | ug/L  |
| 108-88-3       | Toluene                        | 0.50  | U         | 0.14  | 0.50 | 1.00       | ug/L  |
| 10061-02-6     | t-1,3-Dichloropropene          | 0.50  | U         | 0.17  | 0.50 | 1.00       | ug/L  |
| 10061-01-5     | cis-1,3-Dichloropropene        | 0.50  | U         | 0.16  | 0.50 | 1.00       | ug/L  |
| 79-00-5        | 1,1,2-Trichloroethane          | 0.50  | U         | 0.21  | 0.50 | 1.00       | ug/L  |
| 591-78-6       | 2-Hexanone                     | 2.50  | U         | 0.89  | 2.50 | 5.00       | ug/L  |

## Report of Analysis

|                    |                               |           |                 |              |    |
|--------------------|-------------------------------|-----------|-----------------|--------------|----|
| Client:            | Tetra Tech NUS, Inc.          |           | Date Collected: | 05/30/25     |    |
| Project:           | NWIRP Bethpage 112G08005-WE13 |           | Date Received:  | 06/02/25     |    |
| Client Sample ID:  | BP-VPB-182-GW-680-682         |           | SDG No.:        | Q2186        |    |
| Lab Sample ID:     | Q2186-03                      |           | Matrix:         | Water        |    |
| Analytical Method: | 8260D                         |           | % Solid:        | 0            |    |
| Sample Wt/Vol:     | 5                             | Units: mL | Final Vol:      | 5000         | uL |
| Soil Aliquot Vol:  |                               | uL        | Test:           | VOCMS Group1 |    |
| GC Column:         | DB-624UI                      | ID : 0.18 | Level :         | LOW          |    |
| Prep Method :      |                               |           |                 |              |    |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VX046468.D        | 1         |           | 06/03/25 13:23 | VX060325      |

| CAS Number                            | Parameter                 | Conc.  | Qualifier | MDL      | LOD  | LOQ / CRQL | Units   |
|---------------------------------------|---------------------------|--------|-----------|----------|------|------------|---------|
| 124-48-1                              | Dibromochloromethane      | 0.50   | U         | 0.18     | 0.50 | 1.00       | ug/L    |
| 127-18-4                              | Tetrachloroethene         | 0.50   | U         | 0.23     | 0.50 | 1.00       | ug/L    |
| 108-90-7                              | Chlorobenzene             | 0.50   | U         | 0.12     | 0.50 | 1.00       | ug/L    |
| 100-41-4                              | Ethyl Benzene             | 0.50   | U         | 0.13     | 0.50 | 1.00       | ug/L    |
| 179601-23-1                           | m/p-Xylenes               | 1.00   | U         | 0.24     | 1.00 | 2.00       | ug/L    |
| 95-47-6                               | o-Xylene                  | 0.50   | U         | 0.12     | 0.50 | 1.00       | ug/L    |
| 100-42-5                              | Styrene                   | 0.50   | U         | 0.15     | 0.50 | 1.00       | ug/L    |
| 75-25-2                               | Bromoform                 | 0.50   | U         | 0.19     | 0.50 | 1.00       | ug/L    |
| 98-82-8                               | Isopropylbenzene          | 0.50   | U         | 0.12     | 0.50 | 1.00       | ug/L    |
| 79-34-5                               | 1,1,2,2-Tetrachloroethane | 0.50   | U         | 0.26     | 0.50 | 1.00       | ug/L    |
| 541-73-1                              | 1,3-Dichlorobenzene       | 0.50   | U         | 0.16     | 0.50 | 1.00       | ug/L    |
| 106-46-7                              | 1,4-Dichlorobenzene       | 0.50   | U         | 0.19     | 0.50 | 1.00       | ug/L    |
| 95-50-1                               | 1,2-Dichlorobenzene       | 0.50   | U         | 0.16     | 0.50 | 1.00       | ug/L    |
| <b>SURROGATES</b>                     |                           |        |           |          |      |            |         |
| 17060-07-0                            | 1,2-Dichloroethane-d4     | 51.3   |           | 81 - 118 |      | 103%       | SPK: 50 |
| 1868-53-7                             | Dibromofluoromethane      | 50.0   |           | 80 - 119 |      | 100%       | SPK: 50 |
| 2037-26-5                             | Toluene-d8                | 49.9   |           | 89 - 112 |      | 100%       | SPK: 50 |
| 460-00-4                              | 4-Bromofluorobenzene      | 51.8   |           | 85 - 114 |      | 104%       | SPK: 50 |
| <b>INTERNAL STANDARDS</b>             |                           |        |           |          |      |            |         |
| 363-72-4                              | Pentafluorobenzene        | 70000  | 5.55      |          |      |            |         |
| 540-36-3                              | 1,4-Difluorobenzene       | 138000 | 6.757     |          |      |            |         |
| 3114-55-4                             | Chlorobenzene-d5          | 131000 | 10.049    |          |      |            |         |
| 3855-82-1                             | 1,4-Dichlorobenzene-d4    | 57400  | 12.018    |          |      |            |         |
| <b>TENTATIVE IDENTIFIED COMPOUNDS</b> |                           |        |           |          |      |            |         |
| 75-43-4                               | Dichlorofluoromethane     | N.D    |           |          |      |            |         |



## Report of Analysis

|                    |                               |           |                 |              |    |
|--------------------|-------------------------------|-----------|-----------------|--------------|----|
| Client:            | Tetra Tech NUS, Inc.          |           | Date Collected: | 05/30/25     |    |
| Project:           | NWIRP Bethpage 112G08005-WE13 |           | Date Received:  | 06/02/25     |    |
| Client Sample ID:  | BP-VPB-182-GW-680-682         |           | SDG No.:        | Q2186        |    |
| Lab Sample ID:     | Q2186-03                      |           | Matrix:         | Water        |    |
| Analytical Method: | 8260D                         |           | % Solid:        | 0            |    |
| Sample Wt/Vol:     | 5                             | Units: mL | Final Vol:      | 5000         | uL |
| Soil Aliquot Vol:  |                               | uL        | Test:           | VOCMS Group1 |    |
| GC Column:         | DB-624UI                      | ID : 0.18 | Level :         | LOW          |    |
| Prep Method :      |                               |           |                 |              |    |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VX046468.D        | 1         |           | 06/03/25 13:23 | VX060325      |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|------------|-----------|-------|-----------|-----|-----|------------|-------|
|------------|-----------|-------|-----------|-----|-----|------------|-------|

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: | 06/02/25     |    |
| Project:           | NWIRP Bethpage 112G08005-WE13 |        |      | Date Received:  | 06/02/25     |    |
| Client Sample ID:  | BP-VPB-182-GW-705-707         |        |      | SDG No.:        | Q2186        |    |
| Lab Sample ID:     | Q2186-06                      |        |      | Matrix:         | Water        |    |
| Analytical Method: | 8260D                         |        |      | % Solid:        | 0            |    |
| Sample Wt/Vol:     | 5                             | Units: | mL   | Final Vol:      | 5000         | uL |
| Soil Aliquot Vol:  |                               |        | uL   | Test:           | VOCMS Group1 |    |
| GC Column:         | DB-624UI                      | ID :   | 0.18 | Level :         | LOW          |    |
| Prep Method :      |                               |        |      |                 |              |    |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VX046469.D        | 1         |           | 06/03/25 13:46 | VX060325      |

| CAS Number     | Parameter                      | Conc. | Qualifier | MDL   | LOD  | LOQ / CRQL | Units |
|----------------|--------------------------------|-------|-----------|-------|------|------------|-------|
| <b>TARGETS</b> |                                |       |           |       |      |            |       |
| 74-87-3        | Chloromethane                  | 0.50  | U         | 0.32  | 0.50 | 1.00       | ug/L  |
| 75-01-4        | Vinyl Chloride                 | 0.75  | U         | 0.26  | 0.75 | 1.00       | ug/L  |
| 74-83-9        | Bromomethane                   | 3.80  | U         | 1.40  | 3.80 | 5.00       | ug/L  |
| 75-00-3        | Chloroethane                   | 0.75  | U         | 0.47  | 0.75 | 1.00       | ug/L  |
| 75-69-4        | Trichlorofluoromethane         | 0.50  | U         | 0.33  | 0.50 | 1.00       | ug/L  |
| 76-13-1        | 1,1,2-Trichlorotrifluoroethane | 0.50  | U         | 0.25  | 0.50 | 1.00       | ug/L  |
| 75-35-4        | 1,1-Dichloroethene             | 0.75  | U         | 0.23  | 0.75 | 1.00       | ug/L  |
| 67-64-1        | Acetone                        | 7.00  |           | 1.50  | 3.80 | 5.00       | ug/L  |
| 75-15-0        | Carbon Disulfide               | 0.75  | U         | 0.21  | 0.75 | 1.00       | ug/L  |
| 1634-04-4      | Methyl tert-butyl Ether        | 0.50  | U         | 0.16  | 0.50 | 1.00       | ug/L  |
| 75-09-2        | Methylene Chloride             | 0.50  | U         | 0.28  | 0.50 | 1.00       | ug/L  |
| 156-60-5       | trans-1,2-Dichloroethene       | 0.50  | U         | 0.23  | 0.50 | 1.00       | ug/L  |
| 75-34-3        | 1,1-Dichloroethane             | 0.50  | U         | 0.23  | 0.50 | 1.00       | ug/L  |
| 78-93-3        | 2-Butanone                     | 2.50  | U         | 0.98  | 2.50 | 5.00       | ug/L  |
| 56-23-5        | Carbon Tetrachloride           | 0.50  | U         | 0.25  | 0.50 | 1.00       | ug/L  |
| 156-59-2       | cis-1,2-Dichloroethene         | 0.75  | U         | 0.19  | 0.75 | 1.00       | ug/L  |
| 67-66-3        | Chloroform                     | 0.50  | U         | 0.25  | 0.50 | 1.00       | ug/L  |
| 71-55-6        | 1,1,1-Trichloroethane          | 0.50  | U         | 0.20  | 0.50 | 1.00       | ug/L  |
| 108-87-2       | Methylcyclohexane              | 0.50  | U         | 0.16  | 0.50 | 1.00       | ug/L  |
| 71-43-2        | Benzene                        | 0.50  | U         | 0.15  | 0.50 | 1.00       | ug/L  |
| 107-06-2       | 1,2-Dichloroethane             | 0.50  | U         | 0.22  | 0.50 | 1.00       | ug/L  |
| 79-01-6        | Trichloroethene                | 0.75  | U         | 0.090 | 0.75 | 1.00       | ug/L  |
| 78-87-5        | 1,2-Dichloropropane            | 0.50  | U         | 0.20  | 0.50 | 1.00       | ug/L  |
| 75-27-4        | Bromodichloromethane           | 0.50  | U         | 0.22  | 0.50 | 1.00       | ug/L  |
| 108-10-1       | 4-Methyl-2-Pentanone           | 2.50  | U         | 0.68  | 2.50 | 5.00       | ug/L  |
| 108-88-3       | Toluene                        | 0.50  | U         | 0.14  | 0.50 | 1.00       | ug/L  |
| 10061-02-6     | t-1,3-Dichloropropene          | 0.50  | U         | 0.17  | 0.50 | 1.00       | ug/L  |
| 10061-01-5     | cis-1,3-Dichloropropene        | 0.50  | U         | 0.16  | 0.50 | 1.00       | ug/L  |
| 79-00-5        | 1,1,2-Trichloroethane          | 0.50  | U         | 0.21  | 0.50 | 1.00       | ug/L  |
| 591-78-6       | 2-Hexanone                     | 2.50  | U         | 0.89  | 2.50 | 5.00       | ug/L  |

## Report of Analysis

|                    |                               |           |                 |              |    |
|--------------------|-------------------------------|-----------|-----------------|--------------|----|
| Client:            | Tetra Tech NUS, Inc.          |           | Date Collected: | 06/02/25     |    |
| Project:           | NWIRP Bethpage 112G08005-WE13 |           | Date Received:  | 06/02/25     |    |
| Client Sample ID:  | BP-VPB-182-GW-705-707         |           | SDG No.:        | Q2186        |    |
| Lab Sample ID:     | Q2186-06                      |           | Matrix:         | Water        |    |
| Analytical Method: | 8260D                         |           | % Solid:        | 0            |    |
| Sample Wt/Vol:     | 5                             | Units: mL | Final Vol:      | 5000         | uL |
| Soil Aliquot Vol:  |                               | uL        | Test:           | VOCMS Group1 |    |
| GC Column:         | DB-624UI                      | ID : 0.18 | Level :         | LOW          |    |
| Prep Method :      |                               |           |                 |              |    |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VX046469.D        | 1         |           | 06/03/25 13:46 | VX060325      |

| CAS Number                            | Parameter                 | Conc.  | Qualifier | MDL      | LOD  | LOQ / CRQL | Units   |
|---------------------------------------|---------------------------|--------|-----------|----------|------|------------|---------|
| 124-48-1                              | Dibromochloromethane      | 0.50   | U         | 0.18     | 0.50 | 1.00       | ug/L    |
| 127-18-4                              | Tetrachloroethene         | 0.50   | U         | 0.23     | 0.50 | 1.00       | ug/L    |
| 108-90-7                              | Chlorobenzene             | 0.50   | U         | 0.12     | 0.50 | 1.00       | ug/L    |
| 100-41-4                              | Ethyl Benzene             | 0.50   | U         | 0.13     | 0.50 | 1.00       | ug/L    |
| 179601-23-1                           | m/p-Xylenes               | 1.00   | U         | 0.24     | 1.00 | 2.00       | ug/L    |
| 95-47-6                               | o-Xylene                  | 0.50   | U         | 0.12     | 0.50 | 1.00       | ug/L    |
| 100-42-5                              | Styrene                   | 0.50   | U         | 0.15     | 0.50 | 1.00       | ug/L    |
| 75-25-2                               | Bromoform                 | 0.50   | U         | 0.19     | 0.50 | 1.00       | ug/L    |
| 98-82-8                               | Isopropylbenzene          | 0.50   | U         | 0.12     | 0.50 | 1.00       | ug/L    |
| 79-34-5                               | 1,1,2,2-Tetrachloroethane | 0.50   | U         | 0.26     | 0.50 | 1.00       | ug/L    |
| 541-73-1                              | 1,3-Dichlorobenzene       | 0.50   | U         | 0.16     | 0.50 | 1.00       | ug/L    |
| 106-46-7                              | 1,4-Dichlorobenzene       | 0.50   | U         | 0.19     | 0.50 | 1.00       | ug/L    |
| 95-50-1                               | 1,2-Dichlorobenzene       | 0.50   | U         | 0.16     | 0.50 | 1.00       | ug/L    |
| <b>SURROGATES</b>                     |                           |        |           |          |      |            |         |
| 17060-07-0                            | 1,2-Dichloroethane-d4     | 52.1   |           | 81 - 118 |      | 104%       | SPK: 50 |
| 1868-53-7                             | Dibromofluoromethane      | 50.0   |           | 80 - 119 |      | 100%       | SPK: 50 |
| 2037-26-5                             | Toluene-d8                | 50.2   |           | 89 - 112 |      | 100%       | SPK: 50 |
| 460-00-4                              | 4-Bromofluorobenzene      | 52.1   |           | 85 - 114 |      | 104%       | SPK: 50 |
| <b>INTERNAL STANDARDS</b>             |                           |        |           |          |      |            |         |
| 363-72-4                              | Pentafluorobenzene        | 68400  | 5.544     |          |      |            |         |
| 540-36-3                              | 1,4-Difluorobenzene       | 138000 | 6.757     |          |      |            |         |
| 3114-55-4                             | Chlorobenzene-d5          | 128000 | 10.049    |          |      |            |         |
| 3855-82-1                             | 1,4-Dichlorobenzene-d4    | 56100  | 12.018    |          |      |            |         |
| <b>TENTATIVE IDENTIFIED COMPOUNDS</b> |                           |        |           |          |      |            |         |
| 75-43-4                               | Dichlorofluoromethane     | N.D    |           |          |      |            |         |

## Report of Analysis

|                    |                               |           |                 |              |    |
|--------------------|-------------------------------|-----------|-----------------|--------------|----|
| Client:            | Tetra Tech NUS, Inc.          |           | Date Collected: | 06/02/25     |    |
| Project:           | NWIRP Bethpage 112G08005-WE13 |           | Date Received:  | 06/02/25     |    |
| Client Sample ID:  | BP-VPB-182-GW-705-707         |           | SDG No.:        | Q2186        |    |
| Lab Sample ID:     | Q2186-06                      |           | Matrix:         | Water        |    |
| Analytical Method: | 8260D                         |           | % Solid:        | 0            |    |
| Sample Wt/Vol:     | 5                             | Units: mL | Final Vol:      | 5000         | uL |
| Soil Aliquot Vol:  |                               | uL        | Test:           | VOCMS Group1 |    |
| GC Column:         | DB-624UI                      | ID : 0.18 | Level :         | LOW          |    |
| Prep Method :      |                               |           |                 |              |    |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VX046469.D        | 1         |           | 06/03/25 13:46 | VX060325      |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|------------|-----------|-------|-----------|-----|-----|------------|-------|
|------------|-----------|-------|-----------|-----|-----|------------|-------|

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: | 06/02/25     |    |
| Project:           | NWIRP Bethpage 112G08005-WE13 |        |      | Date Received:  | 06/02/25     |    |
| Client Sample ID:  | BP-VPB-182-GW-720-722         |        |      | SDG No.:        | Q2186        |    |
| Lab Sample ID:     | Q2186-07                      |        |      | Matrix:         | Water        |    |
| Analytical Method: | 8260D                         |        |      | % Solid:        | 0            |    |
| Sample Wt/Vol:     | 5                             | Units: | mL   | Final Vol:      | 5000         | uL |
| Soil Aliquot Vol:  |                               |        | uL   | Test:           | VOCMS Group1 |    |
| GC Column:         | DB-624UI                      | ID :   | 0.18 | Level :         | LOW          |    |
| Prep Method :      |                               |        |      |                 |              |    |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VX046470.D        | 1         |           | 06/03/25 14:09 | VX060325      |

| CAS Number     | Parameter                      | Conc. | Qualifier | MDL   | LOD  | LOQ / CRQL | Units |
|----------------|--------------------------------|-------|-----------|-------|------|------------|-------|
| <b>TARGETS</b> |                                |       |           |       |      |            |       |
| 74-87-3        | Chloromethane                  | 0.50  | U         | 0.32  | 0.50 | 1.00       | ug/L  |
| 75-01-4        | Vinyl Chloride                 | 0.75  | U         | 0.26  | 0.75 | 1.00       | ug/L  |
| 74-83-9        | Bromomethane                   | 3.80  | U         | 1.40  | 3.80 | 5.00       | ug/L  |
| 75-00-3        | Chloroethane                   | 0.75  | U         | 0.47  | 0.75 | 1.00       | ug/L  |
| 75-69-4        | Trichlorofluoromethane         | 0.50  | U         | 0.33  | 0.50 | 1.00       | ug/L  |
| 76-13-1        | 1,1,2-Trichlorotrifluoroethane | 0.50  | U         | 0.25  | 0.50 | 1.00       | ug/L  |
| 75-35-4        | 1,1-Dichloroethene             | 0.75  | U         | 0.23  | 0.75 | 1.00       | ug/L  |
| 67-64-1        | Acetone                        | 6.30  |           | 1.50  | 3.80 | 5.00       | ug/L  |
| 75-15-0        | Carbon Disulfide               | 0.75  | U         | 0.21  | 0.75 | 1.00       | ug/L  |
| 1634-04-4      | Methyl tert-butyl Ether        | 0.50  | U         | 0.16  | 0.50 | 1.00       | ug/L  |
| 75-09-2        | Methylene Chloride             | 0.50  | U         | 0.28  | 0.50 | 1.00       | ug/L  |
| 156-60-5       | trans-1,2-Dichloroethene       | 0.50  | U         | 0.23  | 0.50 | 1.00       | ug/L  |
| 75-34-3        | 1,1-Dichloroethane             | 0.50  | U         | 0.23  | 0.50 | 1.00       | ug/L  |
| 78-93-3        | 2-Butanone                     | 2.50  | U         | 0.98  | 2.50 | 5.00       | ug/L  |
| 56-23-5        | Carbon Tetrachloride           | 0.50  | U         | 0.25  | 0.50 | 1.00       | ug/L  |
| 156-59-2       | cis-1,2-Dichloroethene         | 0.75  | U         | 0.19  | 0.75 | 1.00       | ug/L  |
| 67-66-3        | Chloroform                     | 0.50  | U         | 0.25  | 0.50 | 1.00       | ug/L  |
| 71-55-6        | 1,1,1-Trichloroethane          | 0.50  | U         | 0.20  | 0.50 | 1.00       | ug/L  |
| 108-87-2       | Methylcyclohexane              | 0.50  | U         | 0.16  | 0.50 | 1.00       | ug/L  |
| 71-43-2        | Benzene                        | 0.50  | U         | 0.15  | 0.50 | 1.00       | ug/L  |
| 107-06-2       | 1,2-Dichloroethane             | 0.50  | U         | 0.22  | 0.50 | 1.00       | ug/L  |
| 79-01-6        | Trichloroethene                | 0.75  | U         | 0.090 | 0.75 | 1.00       | ug/L  |
| 78-87-5        | 1,2-Dichloropropane            | 0.50  | U         | 0.20  | 0.50 | 1.00       | ug/L  |
| 75-27-4        | Bromodichloromethane           | 0.50  | U         | 0.22  | 0.50 | 1.00       | ug/L  |
| 108-10-1       | 4-Methyl-2-Pentanone           | 2.50  | U         | 0.68  | 2.50 | 5.00       | ug/L  |
| 108-88-3       | Toluene                        | 0.50  | U         | 0.14  | 0.50 | 1.00       | ug/L  |
| 10061-02-6     | t-1,3-Dichloropropene          | 0.50  | U         | 0.17  | 0.50 | 1.00       | ug/L  |
| 10061-01-5     | cis-1,3-Dichloropropene        | 0.50  | U         | 0.16  | 0.50 | 1.00       | ug/L  |
| 79-00-5        | 1,1,2-Trichloroethane          | 0.50  | U         | 0.21  | 0.50 | 1.00       | ug/L  |
| 591-78-6       | 2-Hexanone                     | 2.50  | U         | 0.89  | 2.50 | 5.00       | ug/L  |

## Report of Analysis

|                    |                               |           |                 |              |    |
|--------------------|-------------------------------|-----------|-----------------|--------------|----|
| Client:            | Tetra Tech NUS, Inc.          |           | Date Collected: | 06/02/25     |    |
| Project:           | NWIRP Bethpage 112G08005-WE13 |           | Date Received:  | 06/02/25     |    |
| Client Sample ID:  | BP-VPB-182-GW-720-722         |           | SDG No.:        | Q2186        |    |
| Lab Sample ID:     | Q2186-07                      |           | Matrix:         | Water        |    |
| Analytical Method: | 8260D                         |           | % Solid:        | 0            |    |
| Sample Wt/Vol:     | 5                             | Units: mL | Final Vol:      | 5000         | uL |
| Soil Aliquot Vol:  |                               | uL        | Test:           | VOCMS Group1 |    |
| GC Column:         | DB-624UI                      | ID : 0.18 | Level :         | LOW          |    |
| Prep Method :      |                               |           |                 |              |    |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VX046470.D        | 1         |           | 06/03/25 14:09 | VX060325      |

| CAS Number                            | Parameter                 | Conc.  | Qualifier | MDL      | LOD  | LOQ / CRQL | Units   |
|---------------------------------------|---------------------------|--------|-----------|----------|------|------------|---------|
| 124-48-1                              | Dibromochloromethane      | 0.50   | U         | 0.18     | 0.50 | 1.00       | ug/L    |
| 127-18-4                              | Tetrachloroethene         | 0.50   | U         | 0.23     | 0.50 | 1.00       | ug/L    |
| 108-90-7                              | Chlorobenzene             | 0.50   | U         | 0.12     | 0.50 | 1.00       | ug/L    |
| 100-41-4                              | Ethyl Benzene             | 0.50   | U         | 0.13     | 0.50 | 1.00       | ug/L    |
| 179601-23-1                           | m/p-Xylenes               | 1.00   | U         | 0.24     | 1.00 | 2.00       | ug/L    |
| 95-47-6                               | o-Xylene                  | 0.50   | U         | 0.12     | 0.50 | 1.00       | ug/L    |
| 100-42-5                              | Styrene                   | 0.50   | U         | 0.15     | 0.50 | 1.00       | ug/L    |
| 75-25-2                               | Bromoform                 | 0.50   | U         | 0.19     | 0.50 | 1.00       | ug/L    |
| 98-82-8                               | Isopropylbenzene          | 0.50   | U         | 0.12     | 0.50 | 1.00       | ug/L    |
| 79-34-5                               | 1,1,2,2-Tetrachloroethane | 0.50   | U         | 0.26     | 0.50 | 1.00       | ug/L    |
| 541-73-1                              | 1,3-Dichlorobenzene       | 0.50   | U         | 0.16     | 0.50 | 1.00       | ug/L    |
| 106-46-7                              | 1,4-Dichlorobenzene       | 0.50   | U         | 0.19     | 0.50 | 1.00       | ug/L    |
| 95-50-1                               | 1,2-Dichlorobenzene       | 0.50   | U         | 0.16     | 0.50 | 1.00       | ug/L    |
| <b>SURROGATES</b>                     |                           |        |           |          |      |            |         |
| 17060-07-0                            | 1,2-Dichloroethane-d4     | 52.2   |           | 81 - 118 |      | 104%       | SPK: 50 |
| 1868-53-7                             | Dibromofluoromethane      | 48.7   |           | 80 - 119 |      | 97%        | SPK: 50 |
| 2037-26-5                             | Toluene-d8                | 49.1   |           | 89 - 112 |      | 98%        | SPK: 50 |
| 460-00-4                              | 4-Bromofluorobenzene      | 49.7   |           | 85 - 114 |      | 99%        | SPK: 50 |
| <b>INTERNAL STANDARDS</b>             |                           |        |           |          |      |            |         |
| 363-72-4                              | Pentafluorobenzene        | 65900  | 5.55      |          |      |            |         |
| 540-36-3                              | 1,4-Difluorobenzene       | 133000 | 6.757     |          |      |            |         |
| 3114-55-4                             | Chlorobenzene-d5          | 123000 | 10.055    |          |      |            |         |
| 3855-82-1                             | 1,4-Dichlorobenzene-d4    | 50700  | 12.018    |          |      |            |         |
| <b>TENTATIVE IDENTIFIED COMPOUNDS</b> |                           |        |           |          |      |            |         |
| 75-43-4                               | Dichlorofluoromethane     | N.D    |           |          |      |            |         |

## Report of Analysis

|                    |                               |           |                 |              |    |
|--------------------|-------------------------------|-----------|-----------------|--------------|----|
| Client:            | Tetra Tech NUS, Inc.          |           | Date Collected: | 06/02/25     |    |
| Project:           | NWIRP Bethpage 112G08005-WE13 |           | Date Received:  | 06/02/25     |    |
| Client Sample ID:  | BP-VPB-182-GW-720-722         |           | SDG No.:        | Q2186        |    |
| Lab Sample ID:     | Q2186-07                      |           | Matrix:         | Water        |    |
| Analytical Method: | 8260D                         |           | % Solid:        | 0            |    |
| Sample Wt/Vol:     | 5                             | Units: mL | Final Vol:      | 5000         | uL |
| Soil Aliquot Vol:  |                               | uL        | Test:           | VOCMS Group1 |    |
| GC Column:         | DB-624UI                      | ID : 0.18 | Level :         | LOW          |    |
| Prep Method :      |                               |           |                 |              |    |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VX046470.D        | 1         |           | 06/03/25 14:09 | VX060325      |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|------------|-----------|-------|-----------|-----|-----|------------|-------|
|------------|-----------|-------|-----------|-----|-----|------------|-------|

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: | 06/02/25     |    |  |
| Project:           | NWIRP Bethpage 112G08005-WE13 |        |      | Date Received:  | 06/02/25     |    |  |
| Client Sample ID:  | BP-VPB-182-DUP-20250602       |        |      | SDG No.:        | Q2186        |    |  |
| Lab Sample ID:     | Q2186-08                      |        |      | Matrix:         | Water        |    |  |
| Analytical Method: | 8260D                         |        |      | % Solid:        | 0            |    |  |
| Sample Wt/Vol:     | 5                             | Units: | mL   | Final Vol:      | 5000         | uL |  |
| Soil Aliquot Vol:  |                               |        | uL   | Test:           | VOCMS Group1 |    |  |
| GC Column:         | DB-624UI                      | ID :   | 0.18 | Level :         | LOW          |    |  |
| Prep Method :      |                               |        |      |                 |              |    |  |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VX046471.D        | 1         |           | 06/03/25 14:33 | VX060325      |

| CAS Number     | Parameter                      | Conc. | Qualifier | MDL   | LOD  | LOQ / CRQL | Units |
|----------------|--------------------------------|-------|-----------|-------|------|------------|-------|
| <b>TARGETS</b> |                                |       |           |       |      |            |       |
| 74-87-3        | Chloromethane                  | 0.50  | U         | 0.32  | 0.50 | 1.00       | ug/L  |
| 75-01-4        | Vinyl Chloride                 | 0.75  | U         | 0.26  | 0.75 | 1.00       | ug/L  |
| 74-83-9        | Bromomethane                   | 3.80  | U         | 1.40  | 3.80 | 5.00       | ug/L  |
| 75-00-3        | Chloroethane                   | 0.75  | U         | 0.47  | 0.75 | 1.00       | ug/L  |
| 75-69-4        | Trichlorofluoromethane         | 0.50  | U         | 0.33  | 0.50 | 1.00       | ug/L  |
| 76-13-1        | 1,1,2-Trichlorotrifluoroethane | 0.50  | U         | 0.25  | 0.50 | 1.00       | ug/L  |
| 75-35-4        | 1,1-Dichloroethene             | 0.75  | U         | 0.23  | 0.75 | 1.00       | ug/L  |
| 67-64-1        | Acetone                        | 7.20  |           | 1.50  | 3.80 | 5.00       | ug/L  |
| 75-15-0        | Carbon Disulfide               | 0.75  | U         | 0.21  | 0.75 | 1.00       | ug/L  |
| 1634-04-4      | Methyl tert-butyl Ether        | 0.50  | U         | 0.16  | 0.50 | 1.00       | ug/L  |
| 75-09-2        | Methylene Chloride             | 0.50  | U         | 0.28  | 0.50 | 1.00       | ug/L  |
| 156-60-5       | trans-1,2-Dichloroethene       | 0.50  | U         | 0.23  | 0.50 | 1.00       | ug/L  |
| 75-34-3        | 1,1-Dichloroethane             | 0.50  | U         | 0.23  | 0.50 | 1.00       | ug/L  |
| 78-93-3        | 2-Butanone                     | 2.50  | U         | 0.98  | 2.50 | 5.00       | ug/L  |
| 56-23-5        | Carbon Tetrachloride           | 0.50  | U         | 0.25  | 0.50 | 1.00       | ug/L  |
| 156-59-2       | cis-1,2-Dichloroethene         | 0.75  | U         | 0.19  | 0.75 | 1.00       | ug/L  |
| 67-66-3        | Chloroform                     | 0.50  | U         | 0.25  | 0.50 | 1.00       | ug/L  |
| 71-55-6        | 1,1,1-Trichloroethane          | 0.50  | U         | 0.20  | 0.50 | 1.00       | ug/L  |
| 108-87-2       | Methylcyclohexane              | 0.50  | U         | 0.16  | 0.50 | 1.00       | ug/L  |
| 71-43-2        | Benzene                        | 0.50  | U         | 0.15  | 0.50 | 1.00       | ug/L  |
| 107-06-2       | 1,2-Dichloroethane             | 0.50  | U         | 0.22  | 0.50 | 1.00       | ug/L  |
| 79-01-6        | Trichloroethene                | 0.75  | U         | 0.090 | 0.75 | 1.00       | ug/L  |
| 78-87-5        | 1,2-Dichloropropane            | 0.50  | U         | 0.20  | 0.50 | 1.00       | ug/L  |
| 75-27-4        | Bromodichloromethane           | 0.50  | U         | 0.22  | 0.50 | 1.00       | ug/L  |
| 108-10-1       | 4-Methyl-2-Pentanone           | 2.50  | U         | 0.68  | 2.50 | 5.00       | ug/L  |
| 108-88-3       | Toluene                        | 0.50  | U         | 0.14  | 0.50 | 1.00       | ug/L  |
| 10061-02-6     | t-1,3-Dichloropropene          | 0.50  | U         | 0.17  | 0.50 | 1.00       | ug/L  |
| 10061-01-5     | cis-1,3-Dichloropropene        | 0.50  | U         | 0.16  | 0.50 | 1.00       | ug/L  |
| 79-00-5        | 1,1,2-Trichloroethane          | 0.50  | U         | 0.21  | 0.50 | 1.00       | ug/L  |
| 591-78-6       | 2-Hexanone                     | 2.50  | U         | 0.89  | 2.50 | 5.00       | ug/L  |



## Report of Analysis

|                    |                               |           |                 |              |    |
|--------------------|-------------------------------|-----------|-----------------|--------------|----|
| Client:            | Tetra Tech NUS, Inc.          |           | Date Collected: | 06/02/25     |    |
| Project:           | NWIRP Bethpage 112G08005-WE13 |           | Date Received:  | 06/02/25     |    |
| Client Sample ID:  | BP-VPB-182-DUP-20250602       |           | SDG No.:        | Q2186        |    |
| Lab Sample ID:     | Q2186-08                      |           | Matrix:         | Water        |    |
| Analytical Method: | 8260D                         |           | % Solid:        | 0            |    |
| Sample Wt/Vol:     | 5                             | Units: mL | Final Vol:      | 5000         | uL |
| Soil Aliquot Vol:  |                               | uL        | Test:           | VOCMS Group1 |    |
| GC Column:         | DB-624UI                      | ID : 0.18 | Level :         | LOW          |    |
| Prep Method :      |                               |           |                 |              |    |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VX046471.D        | 1         |           | 06/03/25 14:33 | VX060325      |

| CAS Number                            | Parameter                 | Conc.  | Qualifier | MDL      | LOD  | LOQ / CRQL | Units   |
|---------------------------------------|---------------------------|--------|-----------|----------|------|------------|---------|
| 124-48-1                              | Dibromochloromethane      | 0.50   | U         | 0.18     | 0.50 | 1.00       | ug/L    |
| 127-18-4                              | Tetrachloroethene         | 0.50   | U         | 0.23     | 0.50 | 1.00       | ug/L    |
| 108-90-7                              | Chlorobenzene             | 0.50   | U         | 0.12     | 0.50 | 1.00       | ug/L    |
| 100-41-4                              | Ethyl Benzene             | 0.50   | U         | 0.13     | 0.50 | 1.00       | ug/L    |
| 179601-23-1                           | m/p-Xylenes               | 1.00   | U         | 0.24     | 1.00 | 2.00       | ug/L    |
| 95-47-6                               | o-Xylene                  | 0.50   | U         | 0.12     | 0.50 | 1.00       | ug/L    |
| 100-42-5                              | Styrene                   | 0.50   | U         | 0.15     | 0.50 | 1.00       | ug/L    |
| 75-25-2                               | Bromoform                 | 0.50   | U         | 0.19     | 0.50 | 1.00       | ug/L    |
| 98-82-8                               | Isopropylbenzene          | 0.50   | U         | 0.12     | 0.50 | 1.00       | ug/L    |
| 79-34-5                               | 1,1,2,2-Tetrachloroethane | 0.50   | U         | 0.26     | 0.50 | 1.00       | ug/L    |
| 541-73-1                              | 1,3-Dichlorobenzene       | 0.50   | U         | 0.16     | 0.50 | 1.00       | ug/L    |
| 106-46-7                              | 1,4-Dichlorobenzene       | 0.50   | U         | 0.19     | 0.50 | 1.00       | ug/L    |
| 95-50-1                               | 1,2-Dichlorobenzene       | 0.50   | U         | 0.16     | 0.50 | 1.00       | ug/L    |
| <b>SURROGATES</b>                     |                           |        |           |          |      |            |         |
| 17060-07-0                            | 1,2-Dichloroethane-d4     | 52.5   |           | 81 - 118 |      | 105%       | SPK: 50 |
| 1868-53-7                             | Dibromofluoromethane      | 49.0   |           | 80 - 119 |      | 98%        | SPK: 50 |
| 2037-26-5                             | Toluene-d8                | 49.7   |           | 89 - 112 |      | 99%        | SPK: 50 |
| 460-00-4                              | 4-Bromofluorobenzene      | 51.0   |           | 85 - 114 |      | 102%       | SPK: 50 |
| <b>INTERNAL STANDARDS</b>             |                           |        |           |          |      |            |         |
| 363-72-4                              | Pentafluorobenzene        | 68700  | 5.55      |          |      |            |         |
| 540-36-3                              | 1,4-Difluorobenzene       | 139000 | 6.757     |          |      |            |         |
| 3114-55-4                             | Chlorobenzene-d5          | 130000 | 10.049    |          |      |            |         |
| 3855-82-1                             | 1,4-Dichlorobenzene-d4    | 55400  | 12.018    |          |      |            |         |
| <b>TENTATIVE IDENTIFIED COMPOUNDS</b> |                           |        |           |          |      |            |         |
| 75-43-4                               | Dichlorofluoromethane     | N.D    |           |          |      |            |         |

## Report of Analysis

|                    |                               |           |                 |              |    |
|--------------------|-------------------------------|-----------|-----------------|--------------|----|
| Client:            | Tetra Tech NUS, Inc.          |           | Date Collected: | 06/02/25     |    |
| Project:           | NWIRP Bethpage 112G08005-WE13 |           | Date Received:  | 06/02/25     |    |
| Client Sample ID:  | BP-VPB-182-DUP-20250602       |           | SDG No.:        | Q2186        |    |
| Lab Sample ID:     | Q2186-08                      |           | Matrix:         | Water        |    |
| Analytical Method: | 8260D                         |           | % Solid:        | 0            |    |
| Sample Wt/Vol:     | 5                             | Units: mL | Final Vol:      | 5000         | uL |
| Soil Aliquot Vol:  |                               | uL        | Test:           | VOCMS Group1 |    |
| GC Column:         | DB-624UI                      | ID : 0.18 | Level :         | LOW          |    |
| Prep Method :      |                               |           |                 |              |    |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VX046471.D        | 1         |           | 06/03/25 14:33 | VX060325      |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|------------|-----------|-------|-----------|-----|-----|------------|-------|
|------------|-----------|-------|-----------|-----|-----|------------|-------|

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: | 05/30/25     |    |
| Project:           | NWIRP Bethpage 112G08005-WE13 |        |      | Date Received:  | 06/02/25     |    |
| Client Sample ID:  | VPB182-HYD-20250530           |        |      | SDG No.:        | Q2186        |    |
| Lab Sample ID:     | Q2186-09                      |        |      | Matrix:         | Water        |    |
| Analytical Method: | 8260D                         |        |      | % Solid:        | 0            |    |
| Sample Wt/Vol:     | 5                             | Units: | mL   | Final Vol:      | 5000         | uL |
| Soil Aliquot Vol:  |                               |        | uL   | Test:           | VOCMS Group1 |    |
| GC Column:         | DB-624UI                      | ID :   | 0.18 | Level :         | LOW          |    |
| Prep Method :      |                               |        |      |                 |              |    |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VX046465.D        | 1         |           | 06/03/25 12:13 | VX060325      |

| CAS Number     | Parameter                      | Conc. | Qualifier | MDL   | LOD  | LOQ / CRQL | Units |
|----------------|--------------------------------|-------|-----------|-------|------|------------|-------|
| <b>TARGETS</b> |                                |       |           |       |      |            |       |
| 74-87-3        | Chloromethane                  | 0.50  | U         | 0.32  | 0.50 | 1.00       | ug/L  |
| 75-01-4        | Vinyl Chloride                 | 0.75  | U         | 0.26  | 0.75 | 1.00       | ug/L  |
| 74-83-9        | Bromomethane                   | 3.80  | U         | 1.40  | 3.80 | 5.00       | ug/L  |
| 75-00-3        | Chloroethane                   | 0.75  | U         | 0.47  | 0.75 | 1.00       | ug/L  |
| 75-69-4        | Trichlorofluoromethane         | 0.50  | U         | 0.33  | 0.50 | 1.00       | ug/L  |
| 76-13-1        | 1,1,2-Trichlorotrifluoroethane | 0.50  | U         | 0.25  | 0.50 | 1.00       | ug/L  |
| 75-35-4        | 1,1-Dichloroethene             | 0.75  | U         | 0.23  | 0.75 | 1.00       | ug/L  |
| 67-64-1        | Acetone                        | 2.50  | J         | 1.50  | 3.80 | 5.00       | ug/L  |
| 75-15-0        | Carbon Disulfide               | 0.75  | U         | 0.21  | 0.75 | 1.00       | ug/L  |
| 1634-04-4      | Methyl tert-butyl Ether        | 0.50  | U         | 0.16  | 0.50 | 1.00       | ug/L  |
| 75-09-2        | Methylene Chloride             | 0.50  | U         | 0.28  | 0.50 | 1.00       | ug/L  |
| 156-60-5       | trans-1,2-Dichloroethene       | 0.50  | U         | 0.23  | 0.50 | 1.00       | ug/L  |
| 75-34-3        | 1,1-Dichloroethane             | 0.50  | U         | 0.23  | 0.50 | 1.00       | ug/L  |
| 78-93-3        | 2-Butanone                     | 2.50  | U         | 0.98  | 2.50 | 5.00       | ug/L  |
| 56-23-5        | Carbon Tetrachloride           | 0.50  | U         | 0.25  | 0.50 | 1.00       | ug/L  |
| 156-59-2       | cis-1,2-Dichloroethene         | 0.75  | U         | 0.19  | 0.75 | 1.00       | ug/L  |
| 67-66-3        | Chloroform                     | 0.50  | U         | 0.25  | 0.50 | 1.00       | ug/L  |
| 71-55-6        | 1,1,1-Trichloroethane          | 0.50  | U         | 0.20  | 0.50 | 1.00       | ug/L  |
| 108-87-2       | Methylcyclohexane              | 0.50  | U         | 0.16  | 0.50 | 1.00       | ug/L  |
| 71-43-2        | Benzene                        | 0.50  | U         | 0.15  | 0.50 | 1.00       | ug/L  |
| 107-06-2       | 1,2-Dichloroethane             | 0.50  | U         | 0.22  | 0.50 | 1.00       | ug/L  |
| 79-01-6        | Trichloroethene                | 0.75  | U         | 0.090 | 0.75 | 1.00       | ug/L  |
| 78-87-5        | 1,2-Dichloropropane            | 0.50  | U         | 0.20  | 0.50 | 1.00       | ug/L  |
| 75-27-4        | Bromodichloromethane           | 0.50  | U         | 0.22  | 0.50 | 1.00       | ug/L  |
| 108-10-1       | 4-Methyl-2-Pentanone           | 2.50  | U         | 0.68  | 2.50 | 5.00       | ug/L  |
| 108-88-3       | Toluene                        | 0.50  | U         | 0.14  | 0.50 | 1.00       | ug/L  |
| 10061-02-6     | t-1,3-Dichloropropene          | 0.50  | U         | 0.17  | 0.50 | 1.00       | ug/L  |
| 10061-01-5     | cis-1,3-Dichloropropene        | 0.50  | U         | 0.16  | 0.50 | 1.00       | ug/L  |
| 79-00-5        | 1,1,2-Trichloroethane          | 0.50  | U         | 0.21  | 0.50 | 1.00       | ug/L  |
| 591-78-6       | 2-Hexanone                     | 2.50  | U         | 0.89  | 2.50 | 5.00       | ug/L  |

## Report of Analysis

|                    |                               |           |                 |              |    |
|--------------------|-------------------------------|-----------|-----------------|--------------|----|
| Client:            | Tetra Tech NUS, Inc.          |           | Date Collected: | 05/30/25     |    |
| Project:           | NWIRP Bethpage 112G08005-WE13 |           | Date Received:  | 06/02/25     |    |
| Client Sample ID:  | VPB182-HYD-20250530           |           | SDG No.:        | Q2186        |    |
| Lab Sample ID:     | Q2186-09                      |           | Matrix:         | Water        |    |
| Analytical Method: | 8260D                         |           | % Solid:        | 0            |    |
| Sample Wt/Vol:     | 5                             | Units: mL | Final Vol:      | 5000         | uL |
| Soil Aliquot Vol:  |                               | uL        | Test:           | VOCMS Group1 |    |
| GC Column:         | DB-624UI                      | ID : 0.18 | Level :         | LOW          |    |
| Prep Method :      |                               |           |                 |              |    |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VX046465.D        | 1         |           | 06/03/25 12:13 | VX060325      |

| CAS Number                            | Parameter                 | Conc.  | Qualifier | MDL      | LOD  | LOQ / CRQL | Units   |
|---------------------------------------|---------------------------|--------|-----------|----------|------|------------|---------|
| 124-48-1                              | Dibromochloromethane      | 1.70   |           | 0.18     | 0.50 | 1.00       | ug/L    |
| 127-18-4                              | Tetrachloroethene         | 0.50   | U         | 0.23     | 0.50 | 1.00       | ug/L    |
| 108-90-7                              | Chlorobenzene             | 0.50   | U         | 0.12     | 0.50 | 1.00       | ug/L    |
| 100-41-4                              | Ethyl Benzene             | 0.50   | U         | 0.13     | 0.50 | 1.00       | ug/L    |
| 179601-23-1                           | m/p-Xylenes               | 1.00   | U         | 0.24     | 1.00 | 2.00       | ug/L    |
| 95-47-6                               | o-Xylene                  | 0.50   | U         | 0.12     | 0.50 | 1.00       | ug/L    |
| 100-42-5                              | Styrene                   | 0.50   | U         | 0.15     | 0.50 | 1.00       | ug/L    |
| 75-25-2                               | Bromoform                 | 0.50   | U         | 0.19     | 0.50 | 1.00       | ug/L    |
| 98-82-8                               | Isopropylbenzene          | 0.50   | U         | 0.12     | 0.50 | 1.00       | ug/L    |
| 79-34-5                               | 1,1,2,2-Tetrachloroethane | 0.50   | U         | 0.26     | 0.50 | 1.00       | ug/L    |
| 541-73-1                              | 1,3-Dichlorobenzene       | 0.50   | U         | 0.16     | 0.50 | 1.00       | ug/L    |
| 106-46-7                              | 1,4-Dichlorobenzene       | 0.50   | U         | 0.19     | 0.50 | 1.00       | ug/L    |
| 95-50-1                               | 1,2-Dichlorobenzene       | 0.50   | U         | 0.16     | 0.50 | 1.00       | ug/L    |
| <b>SURROGATES</b>                     |                           |        |           |          |      |            |         |
| 17060-07-0                            | 1,2-Dichloroethane-d4     | 51.2   |           | 81 - 118 |      | 102%       | SPK: 50 |
| 1868-53-7                             | Dibromofluoromethane      | 49.2   |           | 80 - 119 |      | 98%        | SPK: 50 |
| 2037-26-5                             | Toluene-d8                | 50.0   |           | 89 - 112 |      | 100%       | SPK: 50 |
| 460-00-4                              | 4-Bromofluorobenzene      | 53.0   |           | 85 - 114 |      | 106%       | SPK: 50 |
| <b>INTERNAL STANDARDS</b>             |                           |        |           |          |      |            |         |
| 363-72-4                              | Pentafluorobenzene        | 72300  | 5.544     |          |      |            |         |
| 540-36-3                              | 1,4-Difluorobenzene       | 144000 | 6.757     |          |      |            |         |
| 3114-55-4                             | Chlorobenzene-d5          | 137000 | 10.049    |          |      |            |         |
| 3855-82-1                             | 1,4-Dichlorobenzene-d4    | 61100  | 12.018    |          |      |            |         |
| <b>TENTATIVE IDENTIFIED COMPOUNDS</b> |                           |        |           |          |      |            |         |
| 75-43-4                               | Dichlorofluoromethane     | N.D    |           |          |      |            |         |

## Report of Analysis

|                    |                               |           |                 |              |    |
|--------------------|-------------------------------|-----------|-----------------|--------------|----|
| Client:            | Tetra Tech NUS, Inc.          |           | Date Collected: | 05/30/25     |    |
| Project:           | NWIRP Bethpage 112G08005-WE13 |           | Date Received:  | 06/02/25     |    |
| Client Sample ID:  | VPB182-HYD-20250530           |           | SDG No.:        | Q2186        |    |
| Lab Sample ID:     | Q2186-09                      |           | Matrix:         | Water        |    |
| Analytical Method: | 8260D                         |           | % Solid:        | 0            |    |
| Sample Wt/Vol:     | 5                             | Units: mL | Final Vol:      | 5000         | uL |
| Soil Aliquot Vol:  |                               | uL        | Test:           | VOCMS Group1 |    |
| GC Column:         | DB-624UI                      | ID : 0.18 | Level :         | LOW          |    |
| Prep Method :      |                               |           |                 |              |    |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VX046465.D        | 1         |           | 06/03/25 12:13 | VX060325      |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|------------|-----------|-------|-----------|-----|-----|------------|-------|
|------------|-----------|-------|-----------|-----|-----|------------|-------|

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

SDG No.: **Q2186**

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

Analytical Method: **SW8260-Low**

| Lab Sample ID | Client ID               | Parameter             | Spike | Result | RecoveryQual | Limits |      |
|---------------|-------------------------|-----------------------|-------|--------|--------------|--------|------|
|               |                         |                       |       |        |              | Low    | High |
| Q2186-01      | BP-VPB-182-TB-20250530  | 1,2-Dichloroethane-d4 | 50    | 51.0   | 102          | 81     | 118  |
|               |                         | Dibromofluoromethane  | 50    | 48.6   | 97           | 80     | 119  |
|               |                         | Toluene-d8            | 50    | 49.4   | 99           | 89     | 112  |
|               |                         | 4-Bromofluorobenzene  | 50    | 51.4   | 103          | 85     | 114  |
| Q2186-02      | BP-VPB-182-GW-670-672   | 1,2-Dichloroethane-d4 | 50    | 51.7   | 103          | 81     | 118  |
|               |                         | Dibromofluoromethane  | 50    | 49.8   | 100          | 80     | 119  |
|               |                         | Toluene-d8            | 50    | 49.8   | 100          | 89     | 112  |
|               |                         | 4-Bromofluorobenzene  | 50    | 51.0   | 102          | 85     | 114  |
| Q2186-03      | BP-VPB-182-GW-680-682   | 1,2-Dichloroethane-d4 | 50    | 51.3   | 103          | 81     | 118  |
|               |                         | Dibromofluoromethane  | 50    | 50.0   | 100          | 80     | 119  |
|               |                         | Toluene-d8            | 50    | 49.9   | 100          | 89     | 112  |
|               |                         | 4-Bromofluorobenzene  | 50    | 51.8   | 104          | 85     | 114  |
| Q2186-06      | BP-VPB-182-GW-705-707   | 1,2-Dichloroethane-d4 | 50    | 52.1   | 104          | 81     | 118  |
|               |                         | Dibromofluoromethane  | 50    | 50.0   | 100          | 80     | 119  |
|               |                         | Toluene-d8            | 50    | 50.2   | 100          | 89     | 112  |
|               |                         | 4-Bromofluorobenzene  | 50    | 52.1   | 104          | 85     | 114  |
| Q2186-07      | BP-VPB-182-GW-720-722   | 1,2-Dichloroethane-d4 | 50    | 52.2   | 104          | 81     | 118  |
|               |                         | Dibromofluoromethane  | 50    | 48.7   | 97           | 80     | 119  |
|               |                         | Toluene-d8            | 50    | 49.1   | 98           | 89     | 112  |
|               |                         | 4-Bromofluorobenzene  | 50    | 49.7   | 99           | 85     | 114  |
| Q2186-08      | BP-VPB-182-DUP-20250602 | 1,2-Dichloroethane-d4 | 50    | 52.5   | 105          | 81     | 118  |
|               |                         | Dibromofluoromethane  | 50    | 49.0   | 98           | 80     | 119  |
|               |                         | Toluene-d8            | 50    | 49.7   | 99           | 89     | 112  |
|               |                         | 4-Bromofluorobenzene  | 50    | 51.0   | 102          | 85     | 114  |
| Q2186-09      | VPB182-HYD-20250530     | 1,2-Dichloroethane-d4 | 50    | 51.2   | 102          | 81     | 118  |
|               |                         | Dibromofluoromethane  | 50    | 49.3   | 98           | 80     | 119  |
|               |                         | Toluene-d8            | 50    | 50.0   | 100          | 89     | 112  |
|               |                         | 4-Bromofluorobenzene  | 50    | 53.0   | 106          | 85     | 114  |
| VX0603WBL01   | VX0603WBL01             | 1,2-Dichloroethane-d4 | 50    | 51.5   | 103          | 81     | 118  |
|               |                         | Dibromofluoromethane  | 50    | 49.1   | 98           | 80     | 119  |
|               |                         | Toluene-d8            | 50    | 49.8   | 100          | 89     | 112  |
|               |                         | 4-Bromofluorobenzene  | 50    | 51.4   | 103          | 85     | 114  |
| VX0603WBS01   | VX0603WBS01             | 1,2-Dichloroethane-d4 | 50    | 48.8   | 98           | 81     | 118  |
|               |                         | Dibromofluoromethane  | 50    | 50.4   | 101          | 80     | 119  |
|               |                         | Toluene-d8            | 50    | 47.8   | 96           | 89     | 112  |
|               |                         | 4-Bromofluorobenzene  | 50    | 50.6   | 101          | 85     | 114  |
| VX0603WBSD0   | VX0603WBSD01            | 1,2-Dichloroethane-d4 | 50    | 50.4   | 101          | 81     | 118  |
|               |                         | Dibromofluoromethane  | 50    | 51.6   | 103          | 80     | 119  |
|               |                         | Toluene-d8            | 50    | 48.2   | 96           | 89     | 112  |
|               |                         | 4-Bromofluorobenzene  | 50    | 50.5   | 101          | 85     | 114  |

## Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2186

Client: Tetra Tech NUS, Inc.

Analytical Method: SW8260-Low

Datafile : VX046463.D

| Lab Sample ID | Parameter                      | Spike | Result | Unit | Rec | RPD | Qual | Low | Limits | RPD |
|---------------|--------------------------------|-------|--------|------|-----|-----|------|-----|--------|-----|
|               |                                |       |        |      |     |     |      |     | High   |     |
| VX0603WBS01   | Chloromethane                  | 20    | 17.0   | ug/L | 85  |     |      | 50  | 139    |     |
|               | Vinyl chloride                 | 20    | 16.6   | ug/L | 83  |     |      | 58  | 137    |     |
|               | Bromomethane                   | 20    | 16.9   | ug/L | 85  |     |      | 53  | 141    |     |
|               | Chloroethane                   | 20    | 19.1   | ug/L | 96  |     |      | 60  | 138    |     |
|               | Trichlorofluoromethane         | 20    | 18.8   | ug/L | 94  |     |      | 65  | 141    |     |
|               | 1,1,2-Trichlorotrifluoroethane | 20    | 18.7   | ug/L | 94  |     |      | 70  | 136    |     |
|               | 1,1-Dichloroethene             | 20    | 17.9   | ug/L | 90  |     |      | 71  | 131    |     |
|               | Acetone                        | 100   | 100    | ug/L | 100 |     |      | 39  | 160    |     |
|               | Carbon disulfide               | 20    | 13.3   | ug/L | 67  |     |      | 64  | 133    |     |
|               | Methyl tert-butyl Ether        | 20    | 20.3   | ug/L | 102 |     |      | 71  | 124    |     |
|               | Methylene Chloride             | 20    | 18.4   | ug/L | 92  |     |      | 74  | 124    |     |
|               | trans-1,2-Dichloroethene       | 20    | 18.0   | ug/L | 90  |     |      | 75  | 124    |     |
|               | 1,1-Dichloroethane             | 20    | 20.5   | ug/L | 103 |     |      | 77  | 125    |     |
|               | 2-Butanone                     | 100   | 110    | ug/L | 110 |     |      | 56  | 143    |     |
|               | Carbon Tetrachloride           | 20    | 18.5   | ug/L | 93  |     |      | 72  | 136    |     |
|               | cis-1,2-Dichloroethene         | 20    | 20.4   | ug/L | 102 |     |      | 78  | 123    |     |
|               | Chloroform                     | 20    | 20.9   | ug/L | 104 |     |      | 79  | 124    |     |
|               | 1,1,1-Trichloroethane          | 20    | 20.1   | ug/L | 101 |     |      | 74  | 131    |     |
|               | Methylcyclohexane              | 20    | 17.7   | ug/L | 89  |     |      | 72  | 132    |     |
|               | Benzene                        | 20    | 19.5   | ug/L | 98  |     |      | 79  | 120    |     |
|               | 1,2-Dichloroethane             | 20    | 20.2   | ug/L | 101 |     |      | 73  | 128    |     |
|               | Trichloroethene                | 20    | 18.9   | ug/L | 95  |     |      | 79  | 123    |     |
|               | 1,2-Dichloropropane            | 20    | 20.9   | ug/L | 104 |     |      | 78  | 122    |     |
|               | Bromodichloromethane           | 20    | 20.0   | ug/L | 100 |     |      | 79  | 125    |     |
|               | 4-Methyl-2-Pentanone           | 100   | 110    | ug/L | 110 |     |      | 67  | 130    |     |
|               | Toluene                        | 20    | 19.9   | ug/L | 100 |     |      | 80  | 121    |     |
|               | t-1,3-Dichloropropene          | 20    | 19.2   | ug/L | 96  |     |      | 73  | 127    |     |
|               | cis-1,3-Dichloropropene        | 20    | 19.9   | ug/L | 100 |     |      | 75  | 124    |     |
|               | 1,1,2-Trichloroethane          | 20    | 21.5   | ug/L | 108 |     |      | 80  | 119    |     |
|               | 2-Hexanone                     | 100   | 110    | ug/L | 110 |     |      | 57  | 139    |     |
|               | Dibromochloromethane           | 20    | 20.5   | ug/L | 103 |     |      | 74  | 126    |     |
|               | Tetrachloroethene              | 20    | 19.8   | ug/L | 99  |     |      | 74  | 129    |     |
|               | Chlorobenzene                  | 20    | 20.2   | ug/L | 101 |     |      | 82  | 118    |     |
|               | Ethyl Benzene                  | 20    | 20.4   | ug/L | 102 |     |      | 79  | 121    |     |
|               | m/p-Xylenes                    | 40    | 40.4   | ug/L | 101 |     |      | 80  | 121    |     |
|               | o-Xylene                       | 20    | 21.0   | ug/L | 105 |     |      | 78  | 122    |     |
|               | Styrene                        | 20    | 21.2   | ug/L | 106 |     |      | 78  | 123    |     |
|               | Bromoform                      | 20    | 19.9   | ug/L | 100 |     |      | 66  | 130    |     |
|               | Isopropylbenzene               | 20    | 21.1   | ug/L | 106 |     |      | 72  | 131    |     |
|               | 1,1,2,2-Tetrachloroethane      | 20    | 21.4   | ug/L | 107 |     |      | 71  | 121    |     |
|               | 1,3-Dichlorobenzene            | 20    | 20.1   | ug/L | 101 |     |      | 80  | 119    |     |
|               | 1,4-Dichlorobenzene            | 20    | 19.6   | ug/L | 98  |     |      | 79  | 118    |     |
|               | 1,2-Dichlorobenzene            | 20    | 21.3   | ug/L | 106 |     |      | 80  | 119    |     |



## Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2186

Client: Tetra Tech NUS, Inc.

Analytical Method: SW8260-Low

Datafile : VX046464.D

| Lab Sample ID | Parameter                      | Spike | Result | Unit | Rec | RPD | Qual | Low | Limits<br>High | RPD |
|---------------|--------------------------------|-------|--------|------|-----|-----|------|-----|----------------|-----|
| VX0603WBSD01  | Chloromethane                  | 20    | 16.4   | ug/L | 82  | 4   |      | 50  | 139            | 20  |
|               | Vinyl chloride                 | 20    | 16.0   | ug/L | 80  | 4   |      | 58  | 137            | 20  |
|               | Bromomethane                   | 20    | 16.8   | ug/L | 84  | 1   |      | 53  | 141            | 20  |
|               | Chloroethane                   | 20    | 17.8   | ug/L | 89  | 8   |      | 60  | 138            | 20  |
|               | Trichlorofluoromethane         | 20    | 18.1   | ug/L | 91  | 3   |      | 65  | 141            | 20  |
|               | 1,1,2-Trichlorotrifluoroethane | 20    | 19.1   | ug/L | 96  | 2   |      | 70  | 136            | 20  |
|               | 1,1-Dichloroethene             | 20    | 17.8   | ug/L | 89  | 1   |      | 71  | 131            | 20  |
|               | Acetone                        | 100   | 110    | ug/L | 110 | 10  |      | 39  | 160            | 20  |
|               | Carbon disulfide               | 20    | 13.3   | ug/L | 67  | 0   |      | 64  | 133            | 20  |
|               | Methyl tert-butyl Ether        | 20    | 21.5   | ug/L | 108 | 6   |      | 71  | 124            | 20  |
|               | Methylene Chloride             | 20    | 18.3   | ug/L | 92  | 0   |      | 74  | 124            | 20  |
|               | trans-1,2-Dichloroethene       | 20    | 18.0   | ug/L | 90  | 0   |      | 75  | 124            | 20  |
|               | 1,1-Dichloroethane             | 20    | 20.1   | ug/L | 101 | 2   |      | 77  | 125            | 20  |
|               | 2-Butanone                     | 100   | 110    | ug/L | 110 | 0   |      | 56  | 143            | 20  |
|               | Carbon Tetrachloride           | 20    | 18.6   | ug/L | 93  | 0   |      | 72  | 136            | 20  |
|               | cis-1,2-Dichloroethene         | 20    | 20.1   | ug/L | 101 | 1   |      | 78  | 123            | 20  |
|               | Chloroform                     | 20    | 20.7   | ug/L | 104 | 0   |      | 79  | 124            | 20  |
|               | 1,1,1-Trichloroethane          | 20    | 19.1   | ug/L | 96  | 5   |      | 74  | 131            | 20  |
|               | Methylcyclohexane              | 20    | 17.5   | ug/L | 88  | 1   |      | 72  | 132            | 20  |
|               | Benzene                        | 20    | 19.4   | ug/L | 97  | 1   |      | 79  | 120            | 20  |
|               | 1,2-Dichloroethane             | 20    | 20.9   | ug/L | 104 | 3   |      | 73  | 128            | 20  |
|               | Trichloroethene                | 20    | 19.2   | ug/L | 96  | 1   |      | 79  | 123            | 20  |
|               | 1,2-Dichloropropane            | 20    | 21.1   | ug/L | 106 | 2   |      | 78  | 122            | 20  |
|               | Bromodichloromethane           | 20    | 20.9   | ug/L | 104 | 4   |      | 79  | 125            | 20  |
|               | 4-Methyl-2-Pentanone           | 100   | 110    | ug/L | 110 | 0   |      | 67  | 130            | 20  |
|               | Toluene                        | 20    | 19.7   | ug/L | 99  | 1   |      | 80  | 121            | 20  |
|               | t-1,3-Dichloropropene          | 20    | 19.7   | ug/L | 99  | 3   |      | 73  | 127            | 20  |
|               | cis-1,3-Dichloropropene        | 20    | 20.5   | ug/L | 103 | 3   |      | 75  | 124            | 20  |
|               | 1,1,2-Trichloroethane          | 20    | 22.2   | ug/L | 111 | 3   |      | 80  | 119            | 20  |
|               | 2-Hexanone                     | 100   | 110    | ug/L | 110 | 0   |      | 57  | 139            | 20  |
|               | Dibromochloromethane           | 20    | 21.0   | ug/L | 105 | 2   |      | 74  | 126            | 20  |
|               | Tetrachloroethene              | 20    | 19.4   | ug/L | 97  | 2   |      | 74  | 129            | 20  |
|               | Chlorobenzene                  | 20    | 20.0   | ug/L | 100 | 1   |      | 82  | 118            | 20  |
|               | Ethyl Benzene                  | 20    | 20.4   | ug/L | 102 | 0   |      | 79  | 121            | 20  |
|               | m/p-Xylenes                    | 40    | 40.2   | ug/L | 101 | 0   |      | 80  | 121            | 20  |
|               | o-Xylene                       | 20    | 21.4   | ug/L | 107 | 2   |      | 78  | 122            | 20  |
|               | Styrene                        | 20    | 21.2   | ug/L | 106 | 0   |      | 78  | 123            | 20  |
|               | Bromoform                      | 20    | 20.6   | ug/L | 103 | 3   |      | 66  | 130            | 20  |
|               | Isopropylbenzene               | 20    | 21.0   | ug/L | 105 | 1   |      | 72  | 131            | 20  |
|               | 1,1,2,2-Tetrachloroethane      | 20    | 21.3   | ug/L | 106 | 1   |      | 71  | 121            | 20  |
|               | 1,3-Dichlorobenzene            | 20    | 20.2   | ug/L | 101 | 0   |      | 80  | 119            | 20  |
|               | 1,4-Dichlorobenzene            | 20    | 20.2   | ug/L | 101 | 3   |      | 79  | 118            | 20  |
|               | 1,2-Dichlorobenzene            | 20    | 21.2   | ug/L | 106 | 0   |      | 80  | 119            | 20  |

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VX0603WBL01

Lab Name: CHEMTECH

Contract: TETR06

Lab Code: CHEM Case No.: Q2186

SAS No.: Q2186 SDG NO.: Q2186

Lab File ID: VX046462.D

Lab Sample ID: VX0603WBL01

Date Analyzed: 06/03/2025

Time Analyzed: 11:01

GC Column: DB-624UI ID: 0.18 (mm)

Heated Purge: (Y/N) N

Instrument ID: MSVOA\_X

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 |
|-------------------------|------------------|----------------|------------------|
| VX0603WBS01             | VX0603WBS01      | VX046463.D     | 06/03/2025       |
| VX0603WBSD01            | VX0603WBSD01     | VX046464.D     | 06/03/2025       |
| VPB182-HYD-20250530     | Q2186-09         | VX046465.D     | 06/03/2025       |
| BP-VPB-182-TB-20250530  | Q2186-01         | VX046466.D     | 06/03/2025       |
| BP-VPB-182-GW-670-672   | Q2186-02         | VX046467.D     | 06/03/2025       |
| BP-VPB-182-GW-680-682   | Q2186-03         | VX046468.D     | 06/03/2025       |
| BP-VPB-182-GW-705-707   | Q2186-06         | VX046469.D     | 06/03/2025       |
| BP-VPB-182-GW-720-722   | Q2186-07         | VX046470.D     | 06/03/2025       |
| BP-VPB-182-DUP-20250602 | Q2186-08         | VX046471.D     | 06/03/2025       |

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

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK  
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: TETR06  
Lab Code: CHEM Case No.: Q2186 SAS No.: Q2186 SDG NO.: Q2186  
Lab File ID: VX046038.D BFB Injection Date: 05/05/2025  
Instrument ID: MSVOA\_X BFB Injection Time: 09:37  
GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: Y/N N

| m/e | ION ABUNDANCE CRITERIA             | % RELATIVE ABUNDANCE |
|-----|------------------------------------|----------------------|
| 50  | 15.0 - 40.0% of mass 95            | 22.1                 |
| 75  | 30.0 - 60.0% of mass 95            | 56.2                 |
| 95  | Base Peak, 100% relative abundance | 100                  |
| 96  | 5.0 - 9.0% of mass 95              | 6.4                  |
| 173 | Less than 2.0% of mass 174         | 0.5 ( 0.7 ) 1        |
| 174 | 50.0 - 100.0% of mass 95           | 68.8                 |
| 175 | 5.0 - 9.0% of mass 174             | 5 ( 7.3 ) 1          |
| 176 | 95.0 - 101.0% of mass 174          | 66.7 ( 97 ) 1        |
| 177 | 5.0 - 9.0% of mass 176             | 4.6 ( 6.9 ) 2        |

1-Value is % mass 174

2-Value is % mass 176

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 |
|-------------------|------------------|----------------|------------------|------------------|
| VSTDIC020         | VSTDIC020        | VX046041.D     | 05/05/2025       | 11:35            |
| VSTDIC050         | VSTDIC050        | VX046042.D     | 05/05/2025       | 11:58            |
| VSTDIC100         | VSTDIC100        | VX046043.D     | 05/05/2025       | 12:21            |
| VSTDIC150         | VSTDIC150        | VX046044.D     | 05/05/2025       | 12:45            |
| VSTDIC005         | VSTDIC005        | VX046046.D     | 05/05/2025       | 16:04            |
| VSTDIC001         | VSTDIC001        | VX046047.D     | 05/05/2025       | 16:27            |

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK  
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: TETR06  
Lab Code: CHEM Case No.: Q2186 SAS No.: Q2186 SDG NO.: Q2186  
Lab File ID: VX046459.D BFB Injection Date: 06/03/2025  
Instrument ID: MSVOA\_X BFB Injection Time: 09:40  
GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: Y/N N

| m/e | ION ABUNDANCE CRITERIA             | % RELATIVE ABUNDANCE |
|-----|------------------------------------|----------------------|
| 50  | 15.0 - 40.0% of mass 95            | 22.5                 |
| 75  | 30.0 - 60.0% of mass 95            | 56.8                 |
| 95  | Base Peak, 100% relative abundance | 100                  |
| 96  | 5.0 - 9.0% of mass 95              | 6.6                  |
| 173 | Less than 2.0% of mass 174         | 0.7 ( 1.1 ) 1        |
| 174 | 50.0 - 100.0% of mass 95           | 69.6                 |
| 175 | 5.0 - 9.0% of mass 174             | 5.1 ( 7.3 ) 1        |
| 176 | 95.0 - 101.0% of mass 174          | 66.3 ( 95.2 ) 1      |
| 177 | 5.0 - 9.0% of mass 176             | 4.1 ( 6.2 ) 2        |

1-Value is % mass 174

2-Value is % mass 176

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 |
|-------------------------|------------------|----------------|------------------|------------------|
| VSTDCCC050              | VSTDCCC050       | VX046460.D     | 06/03/2025       | 10:10            |
| VX0603WBL01             | VX0603WBL01      | VX046462.D     | 06/03/2025       | 11:01            |
| VX0603WBS01             | VX0603WBS01      | VX046463.D     | 06/03/2025       | 11:24            |
| VX0603WBSD01            | VX0603WBSD01     | VX046464.D     | 06/03/2025       | 11:50            |
| VPB182-HYD-20250530     | Q2186-09         | VX046465.D     | 06/03/2025       | 12:13            |
| BP-VPB-182-TB-20250530  | Q2186-01         | VX046466.D     | 06/03/2025       | 12:36            |
| BP-VPB-182-GW-670-672   | Q2186-02         | VX046467.D     | 06/03/2025       | 12:59            |
| BP-VPB-182-GW-680-682   | Q2186-03         | VX046468.D     | 06/03/2025       | 13:23            |
| BP-VPB-182-GW-705-707   | Q2186-06         | VX046469.D     | 06/03/2025       | 13:46            |
| BP-VPB-182-GW-720-722   | Q2186-07         | VX046470.D     | 06/03/2025       | 14:09            |
| BP-VPB-182-DUP-20250602 | Q2186-08         | VX046471.D     | 06/03/2025       | 14:33            |
| VSTDCCC050EC            | VSTDCCC050       | VX046486.D     | 06/03/2025       | 20:25            |

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: TETR06  
Lab Code: CHEM Case No.: Q2186 SAS No.: Q2186 SDG NO.: Q2186  
Lab File ID: VX046460.D Date Analyzed: 06/03/2025  
Instrument ID: MSVOA\_X Time Analyzed: 10:10  
GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

|                         | IS1<br>AREA # | RT #  | IS2<br>AREA # | RT #  | IS3<br>AREA # | RT #   |
|-------------------------|---------------|-------|---------------|-------|---------------|--------|
| 12 HOUR STD             | 97221         | 5.54  | 166757        | 6.75  | 142113        | 10.05  |
| UPPER LIMIT             | 194442        | 6.038 | 333514        | 7.251 | 284226        | 10.549 |
| LOWER LIMIT             | 48610.5       | 5.038 | 83378.5       | 6.251 | 71056.5       | 9.549  |
| EPA SAMPLE NO.          |               |       |               |       |               |        |
| BP-VPB-182-TB-20250530  | 73085         | 5.54  | 148251        | 6.76  | 138870        | 10.06  |
| BP-VPB-182-GW-670-672   | 70404         | 5.54  | 140445        | 6.76  | 131337        | 10.05  |
| BP-VPB-182-GW-680-682   | 70004         | 5.55  | 138414        | 6.76  | 130629        | 10.05  |
| BP-VPB-182-GW-705-707   | 68425         | 5.54  | 137561        | 6.76  | 128221        | 10.05  |
| BP-VPB-182-GW-720-722   | 65938         | 5.55  | 133475        | 6.76  | 122673        | 10.06  |
| BP-VPB-182-DUP-20250602 | 68690         | 5.55  | 138832        | 6.76  | 129871        | 10.05  |
| VPB182-HYD-20250530     | 72286         | 5.54  | 144078        | 6.76  | 137138        | 10.05  |
| VX0603WBL01             | 73151         | 5.55  | 147671        | 6.76  | 138701        | 10.05  |
| VX0603WBS01             | 89858         | 5.54  | 159016        | 6.76  | 137079        | 10.05  |
| VX0603WBSD01            | 86032         | 5.54  | 150958        | 6.76  | 130475        | 10.05  |

IS1 = Pentafluorobenzene  
IS2 = 1,4-Difluorobenzene  
IS3 = Chlorobenzene-d5

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 LOWER LIMIT = -0.50 minutes of internal standard RT

# Column used to flag values outside QC limits with an asterisk.  
\* Values outside of QC limits.

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: TETR06  
Lab Code: CHEM Case No.: Q2186 SAS No.: Q2186 SDG NO.: Q2186  
Lab File ID: VX046460.D Date Analyzed: 06/03/2025  
Instrument ID: MSVOA\_X Time Analyzed: 10:10  
GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

|                         | IS4<br>AREA # | RT #   |  |  |  |  |
|-------------------------|---------------|--------|--|--|--|--|
| 12 HOUR STD             | 69603         | 12.018 |  |  |  |  |
| UPPER LIMIT             | 139206        | 12.518 |  |  |  |  |
| LOWER LIMIT             | 34801.5       | 11.518 |  |  |  |  |
| EPA SAMPLE NO.          |               |        |  |  |  |  |
| BP-VPB-182-TB-20250530  | 59352         | 12.02  |  |  |  |  |
| BP-VPB-182-GW-670-672   | 57166         | 12.02  |  |  |  |  |
| BP-VPB-182-GW-680-682   | 57376         | 12.02  |  |  |  |  |
| BP-VPB-182-GW-705-707   | 56111         | 12.02  |  |  |  |  |
| BP-VPB-182-GW-720-722   | 50694         | 12.02  |  |  |  |  |
| BP-VPB-182-DUP-20250602 | 55355         | 12.02  |  |  |  |  |
| VPB182-HYD-20250530     | 61107         | 12.02  |  |  |  |  |
| VX0603WBL01             | 60850         | 12.02  |  |  |  |  |
| VX0603WBS01             | 65270         | 12.02  |  |  |  |  |
| VX0603WBSD01            | 62365         | 12.02  |  |  |  |  |

IS4 = 1,4-Dichlorobenzene-d4

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 LOWER 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:  | VX0603WBL01                   |           | SDG No.:        | Q2186        |
| Lab Sample ID:     | VX0603WBL01                   |           | Matrix:         | Water        |
| Analytical Method: | 8260D                         |           | % Solid:        | 0            |
| Sample Wt/Vol:     | 5                             | Units: mL | Final Vol:      | 5000 uL      |
| Soil Aliquot Vol:  |                               | uL        | Test:           | VOCMS Group1 |
| GC Column:         | DB-624UI                      | ID : 0.18 | Level :         | LOW          |
| Prep Method :      |                               |           |                 |              |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VX046462.D        | 1         |           | 06/03/25 11:01 | VX060325      |

| CAS Number     | Parameter                      | Conc. | Qualifier | MDL   | LOD  | LOQ / CRQL | Units |
|----------------|--------------------------------|-------|-----------|-------|------|------------|-------|
| <b>TARGETS</b> |                                |       |           |       |      |            |       |
| 74-87-3        | Chloromethane                  | 0.50  | U         | 0.32  | 0.50 | 1.00       | ug/L  |
| 75-01-4        | Vinyl Chloride                 | 0.75  | U         | 0.26  | 0.75 | 1.00       | ug/L  |
| 74-83-9        | Bromomethane                   | 3.80  | U         | 1.40  | 3.80 | 5.00       | ug/L  |
| 75-00-3        | Chloroethane                   | 0.75  | U         | 0.47  | 0.75 | 1.00       | ug/L  |
| 75-69-4        | Trichlorofluoromethane         | 0.50  | U         | 0.33  | 0.50 | 1.00       | ug/L  |
| 76-13-1        | 1,1,2-Trichlorotrifluoroethane | 0.50  | U         | 0.25  | 0.50 | 1.00       | ug/L  |
| 75-35-4        | 1,1-Dichloroethene             | 0.75  | U         | 0.23  | 0.75 | 1.00       | ug/L  |
| 67-64-1        | Acetone                        | 3.80  | U         | 1.50  | 3.80 | 5.00       | ug/L  |
| 75-15-0        | Carbon Disulfide               | 0.75  | U         | 0.21  | 0.75 | 1.00       | ug/L  |
| 1634-04-4      | Methyl tert-butyl Ether        | 0.50  | U         | 0.16  | 0.50 | 1.00       | ug/L  |
| 75-09-2        | Methylene Chloride             | 0.50  | U         | 0.28  | 0.50 | 1.00       | ug/L  |
| 156-60-5       | trans-1,2-Dichloroethene       | 0.50  | U         | 0.23  | 0.50 | 1.00       | ug/L  |
| 75-34-3        | 1,1-Dichloroethane             | 0.50  | U         | 0.23  | 0.50 | 1.00       | ug/L  |
| 78-93-3        | 2-Butanone                     | 2.50  | U         | 0.98  | 2.50 | 5.00       | ug/L  |
| 56-23-5        | Carbon Tetrachloride           | 0.50  | U         | 0.25  | 0.50 | 1.00       | ug/L  |
| 156-59-2       | cis-1,2-Dichloroethene         | 0.75  | U         | 0.19  | 0.75 | 1.00       | ug/L  |
| 67-66-3        | Chloroform                     | 0.50  | U         | 0.25  | 0.50 | 1.00       | ug/L  |
| 71-55-6        | 1,1,1-Trichloroethane          | 0.50  | U         | 0.20  | 0.50 | 1.00       | ug/L  |
| 108-87-2       | Methylcyclohexane              | 0.50  | U         | 0.16  | 0.50 | 1.00       | ug/L  |
| 71-43-2        | Benzene                        | 0.50  | U         | 0.15  | 0.50 | 1.00       | ug/L  |
| 107-06-2       | 1,2-Dichloroethane             | 0.50  | U         | 0.22  | 0.50 | 1.00       | ug/L  |
| 79-01-6        | Trichloroethene                | 0.75  | U         | 0.090 | 0.75 | 1.00       | ug/L  |
| 78-87-5        | 1,2-Dichloropropane            | 0.50  | U         | 0.20  | 0.50 | 1.00       | ug/L  |
| 75-27-4        | Bromodichloromethane           | 0.50  | U         | 0.22  | 0.50 | 1.00       | ug/L  |
| 108-10-1       | 4-Methyl-2-Pentanone           | 2.50  | U         | 0.68  | 2.50 | 5.00       | ug/L  |
| 108-88-3       | Toluene                        | 0.50  | U         | 0.14  | 0.50 | 1.00       | ug/L  |
| 10061-02-6     | t-1,3-Dichloropropene          | 0.50  | U         | 0.17  | 0.50 | 1.00       | ug/L  |
| 10061-01-5     | cis-1,3-Dichloropropene        | 0.50  | U         | 0.16  | 0.50 | 1.00       | ug/L  |
| 79-00-5        | 1,1,2-Trichloroethane          | 0.50  | U         | 0.21  | 0.50 | 1.00       | ug/L  |
| 591-78-6       | 2-Hexanone                     | 2.50  | U         | 0.89  | 2.50 | 5.00       | ug/L  |



## Report of Analysis

|                    |                               |           |                 |              |
|--------------------|-------------------------------|-----------|-----------------|--------------|
| Client:            | Tetra Tech NUS, Inc.          |           | Date Collected: |              |
| Project:           | NWIRP Bethpage 112G08005-WE13 |           | Date Received:  |              |
| Client Sample ID:  | VX0603WBL01                   |           | SDG No.:        | Q2186        |
| Lab Sample ID:     | VX0603WBL01                   |           | Matrix:         | Water        |
| Analytical Method: | 8260D                         |           | % Solid:        | 0            |
| Sample Wt/Vol:     | 5                             | Units: mL | Final Vol:      | 5000 uL      |
| Soil Aliquot Vol:  |                               | uL        | Test:           | VOCMS Group1 |
| GC Column:         | DB-624UI                      | ID : 0.18 | Level :         | LOW          |
| Prep Method :      |                               |           |                 |              |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VX046462.D        | 1         |           | 06/03/25 11:01 | VX060325      |

| CAS Number                | Parameter                 | Conc.  | Qualifier | MDL      | LOD  | LOQ / CRQL | Units   |
|---------------------------|---------------------------|--------|-----------|----------|------|------------|---------|
| 124-48-1                  | Dibromochloromethane      | 0.50   | U         | 0.18     | 0.50 | 1.00       | ug/L    |
| 127-18-4                  | Tetrachloroethene         | 0.50   | U         | 0.23     | 0.50 | 1.00       | ug/L    |
| 108-90-7                  | Chlorobenzene             | 0.50   | U         | 0.12     | 0.50 | 1.00       | ug/L    |
| 100-41-4                  | Ethyl Benzene             | 0.50   | U         | 0.13     | 0.50 | 1.00       | ug/L    |
| 179601-23-1               | m/p-Xylenes               | 1.00   | U         | 0.24     | 1.00 | 2.00       | ug/L    |
| 95-47-6                   | o-Xylene                  | 0.50   | U         | 0.12     | 0.50 | 1.00       | ug/L    |
| 100-42-5                  | Styrene                   | 0.50   | U         | 0.15     | 0.50 | 1.00       | ug/L    |
| 75-25-2                   | Bromoform                 | 0.50   | U         | 0.19     | 0.50 | 1.00       | ug/L    |
| 98-82-8                   | Isopropylbenzene          | 0.50   | U         | 0.12     | 0.50 | 1.00       | ug/L    |
| 79-34-5                   | 1,1,2,2-Tetrachloroethane | 0.50   | U         | 0.26     | 0.50 | 1.00       | ug/L    |
| 541-73-1                  | 1,3-Dichlorobenzene       | 0.50   | U         | 0.16     | 0.50 | 1.00       | ug/L    |
| 106-46-7                  | 1,4-Dichlorobenzene       | 0.50   | U         | 0.19     | 0.50 | 1.00       | ug/L    |
| 95-50-1                   | 1,2-Dichlorobenzene       | 0.50   | U         | 0.16     | 0.50 | 1.00       | ug/L    |
| <b>SURROGATES</b>         |                           |        |           |          |      |            |         |
| 17060-07-0                | 1,2-Dichloroethane-d4     | 51.5   |           | 81 - 118 |      | 103%       | SPK: 50 |
| 1868-53-7                 | Dibromofluoromethane      | 49.2   |           | 80 - 119 |      | 98%        | SPK: 50 |
| 2037-26-5                 | Toluene-d8                | 49.8   |           | 89 - 112 |      | 100%       | SPK: 50 |
| 460-00-4                  | 4-Bromofluorobenzene      | 51.4   |           | 85 - 114 |      | 103%       | SPK: 50 |
| <b>INTERNAL STANDARDS</b> |                           |        |           |          |      |            |         |
| 363-72-4                  | Pentafluorobenzene        | 73200  | 5.55      |          |      |            |         |
| 540-36-3                  | 1,4-Difluorobenzene       | 148000 | 6.757     |          |      |            |         |
| 3114-55-4                 | Chlorobenzene-d5          | 139000 | 10.049    |          |      |            |         |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4    | 60900  | 12.018    |          |      |            |         |

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: |              |
| Project:           | NWIRP Bethpage 112G08005-WE13 |           | Date Received:  |              |
| Client Sample ID:  | VX0603WBS01                   |           | SDG No.:        | Q2186        |
| Lab Sample ID:     | VX0603WBS01                   |           | Matrix:         | Water        |
| Analytical Method: | 8260D                         |           | % Solid:        | 0            |
| Sample Wt/Vol:     | 5                             | Units: mL | Final Vol:      | 5000 uL      |
| Soil Aliquot Vol:  |                               | uL        | Test:           | VOCMS Group1 |
| GC Column:         | DB-624UI                      | ID : 0.18 | Level :         | LOW          |
| Prep Method :      |                               |           |                 |              |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VX046463.D        | 1         |           | 06/03/25 11:24 | VX060325      |

| CAS Number     | Parameter                      | Conc. | Qualifier | MDL   | LOD  | LOQ / CRQL | Units |
|----------------|--------------------------------|-------|-----------|-------|------|------------|-------|
| <b>TARGETS</b> |                                |       |           |       |      |            |       |
| 74-87-3        | Chloromethane                  | 17.0  |           | 0.32  | 0.50 | 1.00       | ug/L  |
| 75-01-4        | Vinyl Chloride                 | 16.6  |           | 0.26  | 0.75 | 1.00       | ug/L  |
| 74-83-9        | Bromomethane                   | 16.9  |           | 1.40  | 3.80 | 5.00       | ug/L  |
| 75-00-3        | Chloroethane                   | 19.1  |           | 0.47  | 0.75 | 1.00       | ug/L  |
| 75-69-4        | Trichlorofluoromethane         | 18.8  |           | 0.33  | 0.50 | 1.00       | ug/L  |
| 76-13-1        | 1,1,2-Trichlorotrifluoroethane | 18.7  |           | 0.25  | 0.50 | 1.00       | ug/L  |
| 75-35-4        | 1,1-Dichloroethene             | 17.9  |           | 0.23  | 0.75 | 1.00       | ug/L  |
| 67-64-1        | Acetone                        | 100   |           | 1.50  | 3.80 | 5.00       | ug/L  |
| 75-15-0        | Carbon Disulfide               | 13.3  |           | 0.21  | 0.75 | 1.00       | ug/L  |
| 1634-04-4      | Methyl tert-butyl Ether        | 20.3  |           | 0.16  | 0.50 | 1.00       | ug/L  |
| 75-09-2        | Methylene Chloride             | 18.4  |           | 0.28  | 0.50 | 1.00       | ug/L  |
| 156-60-5       | trans-1,2-Dichloroethene       | 18.0  |           | 0.23  | 0.50 | 1.00       | ug/L  |
| 75-34-3        | 1,1-Dichloroethane             | 20.5  |           | 0.23  | 0.50 | 1.00       | ug/L  |
| 78-93-3        | 2-Butanone                     | 110   |           | 0.98  | 2.50 | 5.00       | ug/L  |
| 56-23-5        | Carbon Tetrachloride           | 18.5  |           | 0.25  | 0.50 | 1.00       | ug/L  |
| 156-59-2       | cis-1,2-Dichloroethene         | 20.4  |           | 0.19  | 0.75 | 1.00       | ug/L  |
| 67-66-3        | Chloroform                     | 20.9  |           | 0.25  | 0.50 | 1.00       | ug/L  |
| 71-55-6        | 1,1,1-Trichloroethane          | 20.1  |           | 0.20  | 0.50 | 1.00       | ug/L  |
| 108-87-2       | Methylcyclohexane              | 17.7  |           | 0.16  | 0.50 | 1.00       | ug/L  |
| 71-43-2        | Benzene                        | 19.5  |           | 0.15  | 0.50 | 1.00       | ug/L  |
| 107-06-2       | 1,2-Dichloroethane             | 20.2  |           | 0.22  | 0.50 | 1.00       | ug/L  |
| 79-01-6        | Trichloroethene                | 18.9  |           | 0.090 | 0.75 | 1.00       | ug/L  |
| 78-87-5        | 1,2-Dichloropropane            | 20.9  |           | 0.20  | 0.50 | 1.00       | ug/L  |
| 75-27-4        | Bromodichloromethane           | 20.0  |           | 0.22  | 0.50 | 1.00       | ug/L  |
| 108-10-1       | 4-Methyl-2-Pentanone           | 110   |           | 0.68  | 2.50 | 5.00       | ug/L  |
| 108-88-3       | Toluene                        | 19.9  |           | 0.14  | 0.50 | 1.00       | ug/L  |
| 10061-02-6     | t-1,3-Dichloropropene          | 19.2  |           | 0.17  | 0.50 | 1.00       | ug/L  |
| 10061-01-5     | cis-1,3-Dichloropropene        | 19.9  |           | 0.16  | 0.50 | 1.00       | ug/L  |
| 79-00-5        | 1,1,2-Trichloroethane          | 21.5  |           | 0.21  | 0.50 | 1.00       | ug/L  |
| 591-78-6       | 2-Hexanone                     | 110   |           | 0.89  | 2.50 | 5.00       | ug/L  |

## Report of Analysis

|                    |                               |           |                 |              |
|--------------------|-------------------------------|-----------|-----------------|--------------|
| Client:            | Tetra Tech NUS, Inc.          |           | Date Collected: |              |
| Project:           | NWIRP Bethpage 112G08005-WE13 |           | Date Received:  |              |
| Client Sample ID:  | VX0603WBS01                   |           | SDG No.:        | Q2186        |
| Lab Sample ID:     | VX0603WBS01                   |           | Matrix:         | Water        |
| Analytical Method: | 8260D                         |           | % Solid:        | 0            |
| Sample Wt/Vol:     | 5                             | Units: mL | Final Vol:      | 5000 uL      |
| Soil Aliquot Vol:  |                               | uL        | Test:           | VOCMS Group1 |
| GC Column:         | DB-624UI                      | ID : 0.18 | Level :         | LOW          |
| Prep Method :      |                               |           |                 |              |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VX046463.D        | 1         |           | 06/03/25 11:24 | VX060325      |

| CAS Number                | Parameter                 | Conc.  | Qualifier | MDL      | LOD  | LOQ / CRQL | Units   |
|---------------------------|---------------------------|--------|-----------|----------|------|------------|---------|
| 124-48-1                  | Dibromochloromethane      | 20.5   |           | 0.18     | 0.50 | 1.00       | ug/L    |
| 127-18-4                  | Tetrachloroethene         | 19.8   |           | 0.23     | 0.50 | 1.00       | ug/L    |
| 108-90-7                  | Chlorobenzene             | 20.2   |           | 0.12     | 0.50 | 1.00       | ug/L    |
| 100-41-4                  | Ethyl Benzene             | 20.4   |           | 0.13     | 0.50 | 1.00       | ug/L    |
| 179601-23-1               | m/p-Xylenes               | 40.4   |           | 0.24     | 1.00 | 2.00       | ug/L    |
| 95-47-6                   | o-Xylene                  | 21.0   |           | 0.12     | 0.50 | 1.00       | ug/L    |
| 100-42-5                  | Styrene                   | 21.2   |           | 0.15     | 0.50 | 1.00       | ug/L    |
| 75-25-2                   | Bromoform                 | 19.9   |           | 0.19     | 0.50 | 1.00       | ug/L    |
| 98-82-8                   | Isopropylbenzene          | 21.1   |           | 0.12     | 0.50 | 1.00       | ug/L    |
| 79-34-5                   | 1,1,2,2-Tetrachloroethane | 21.4   |           | 0.26     | 0.50 | 1.00       | ug/L    |
| 541-73-1                  | 1,3-Dichlorobenzene       | 20.1   |           | 0.16     | 0.50 | 1.00       | ug/L    |
| 106-46-7                  | 1,4-Dichlorobenzene       | 19.6   |           | 0.19     | 0.50 | 1.00       | ug/L    |
| 95-50-1                   | 1,2-Dichlorobenzene       | 21.3   |           | 0.16     | 0.50 | 1.00       | ug/L    |
| <b>SURROGATES</b>         |                           |        |           |          |      |            |         |
| 17060-07-0                | 1,2-Dichloroethane-d4     | 48.8   |           | 81 - 118 |      | 98%        | SPK: 50 |
| 1868-53-7                 | Dibromofluoromethane      | 50.4   |           | 80 - 119 |      | 101%       | SPK: 50 |
| 2037-26-5                 | Toluene-d8                | 47.8   |           | 89 - 112 |      | 96%        | SPK: 50 |
| 460-00-4                  | 4-Bromofluorobenzene      | 50.6   |           | 85 - 114 |      | 101%       | SPK: 50 |
| <b>INTERNAL STANDARDS</b> |                           |        |           |          |      |            |         |
| 363-72-4                  | Pentafluorobenzene        | 89900  | 5.544     |          |      |            |         |
| 540-36-3                  | 1,4-Difluorobenzene       | 159000 | 6.757     |          |      |            |         |
| 3114-55-4                 | Chlorobenzene-d5          | 137000 | 10.049    |          |      |            |         |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4    | 65300  | 12.018    |          |      |            |         |

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: |              |
| Project:           | NWIRP Bethpage 112G08005-WE13 |           | Date Received:  |              |
| Client Sample ID:  | VX0603WBSD01                  |           | SDG No.:        | Q2186        |
| Lab Sample ID:     | VX0603WBSD01                  |           | Matrix:         | Water        |
| Analytical Method: | 8260D                         |           | % Solid:        | 0            |
| Sample Wt/Vol:     | 5                             | Units: mL | Final Vol:      | 5000 uL      |
| Soil Aliquot Vol:  |                               | uL        | Test:           | VOCMS Group1 |
| GC Column:         | DB-624UI                      | ID : 0.18 | Level :         | LOW          |
| Prep Method :      |                               |           |                 |              |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VX046464.D        | 1         |           | 06/03/25 11:50 | VX060325      |

| CAS Number     | Parameter                      | Conc. | Qualifier | MDL   | LOD  | LOQ / CRQL | Units |
|----------------|--------------------------------|-------|-----------|-------|------|------------|-------|
| <b>TARGETS</b> |                                |       |           |       |      |            |       |
| 74-87-3        | Chloromethane                  | 16.4  |           | 0.32  | 0.50 | 1.00       | ug/L  |
| 75-01-4        | Vinyl Chloride                 | 16.0  |           | 0.26  | 0.75 | 1.00       | ug/L  |
| 74-83-9        | Bromomethane                   | 16.8  |           | 1.40  | 3.80 | 5.00       | ug/L  |
| 75-00-3        | Chloroethane                   | 17.8  |           | 0.47  | 0.75 | 1.00       | ug/L  |
| 75-69-4        | Trichlorofluoromethane         | 18.1  |           | 0.33  | 0.50 | 1.00       | ug/L  |
| 76-13-1        | 1,1,2-Trichlorotrifluoroethane | 19.1  |           | 0.25  | 0.50 | 1.00       | ug/L  |
| 75-35-4        | 1,1-Dichloroethene             | 17.8  |           | 0.23  | 0.75 | 1.00       | ug/L  |
| 67-64-1        | Acetone                        | 110   |           | 1.50  | 3.80 | 5.00       | ug/L  |
| 75-15-0        | Carbon Disulfide               | 13.3  |           | 0.21  | 0.75 | 1.00       | ug/L  |
| 1634-04-4      | Methyl tert-butyl Ether        | 21.5  |           | 0.16  | 0.50 | 1.00       | ug/L  |
| 75-09-2        | Methylene Chloride             | 18.3  |           | 0.28  | 0.50 | 1.00       | ug/L  |
| 156-60-5       | trans-1,2-Dichloroethene       | 18.0  |           | 0.23  | 0.50 | 1.00       | ug/L  |
| 75-34-3        | 1,1-Dichloroethane             | 20.1  |           | 0.23  | 0.50 | 1.00       | ug/L  |
| 78-93-3        | 2-Butanone                     | 110   |           | 0.98  | 2.50 | 5.00       | ug/L  |
| 56-23-5        | Carbon Tetrachloride           | 18.6  |           | 0.25  | 0.50 | 1.00       | ug/L  |
| 156-59-2       | cis-1,2-Dichloroethene         | 20.1  |           | 0.19  | 0.75 | 1.00       | ug/L  |
| 67-66-3        | Chloroform                     | 20.7  |           | 0.25  | 0.50 | 1.00       | ug/L  |
| 71-55-6        | 1,1,1-Trichloroethane          | 19.1  |           | 0.20  | 0.50 | 1.00       | ug/L  |
| 108-87-2       | Methylcyclohexane              | 17.5  |           | 0.16  | 0.50 | 1.00       | ug/L  |
| 71-43-2        | Benzene                        | 19.4  |           | 0.15  | 0.50 | 1.00       | ug/L  |
| 107-06-2       | 1,2-Dichloroethane             | 20.9  |           | 0.22  | 0.50 | 1.00       | ug/L  |
| 79-01-6        | Trichloroethene                | 19.2  |           | 0.090 | 0.75 | 1.00       | ug/L  |
| 78-87-5        | 1,2-Dichloropropane            | 21.1  |           | 0.20  | 0.50 | 1.00       | ug/L  |
| 75-27-4        | Bromodichloromethane           | 20.9  |           | 0.22  | 0.50 | 1.00       | ug/L  |
| 108-10-1       | 4-Methyl-2-Pentanone           | 110   |           | 0.68  | 2.50 | 5.00       | ug/L  |
| 108-88-3       | Toluene                        | 19.7  |           | 0.14  | 0.50 | 1.00       | ug/L  |
| 10061-02-6     | t-1,3-Dichloropropene          | 19.7  |           | 0.17  | 0.50 | 1.00       | ug/L  |
| 10061-01-5     | cis-1,3-Dichloropropene        | 20.5  |           | 0.16  | 0.50 | 1.00       | ug/L  |
| 79-00-5        | 1,1,2-Trichloroethane          | 22.2  |           | 0.21  | 0.50 | 1.00       | ug/L  |
| 591-78-6       | 2-Hexanone                     | 110   |           | 0.89  | 2.50 | 5.00       | ug/L  |

## Report of Analysis

|                    |                               |           |                 |              |
|--------------------|-------------------------------|-----------|-----------------|--------------|
| Client:            | Tetra Tech NUS, Inc.          |           | Date Collected: |              |
| Project:           | NWIRP Bethpage 112G08005-WE13 |           | Date Received:  |              |
| Client Sample ID:  | VX0603WBSD01                  |           | SDG No.:        | Q2186        |
| Lab Sample ID:     | VX0603WBSD01                  |           | Matrix:         | Water        |
| Analytical Method: | 8260D                         |           | % Solid:        | 0            |
| Sample Wt/Vol:     | 5                             | Units: mL | Final Vol:      | 5000 uL      |
| Soil Aliquot Vol:  |                               | uL        | Test:           | VOCMS Group1 |
| GC Column:         | DB-624UI                      | ID : 0.18 | Level :         | LOW          |
| Prep Method :      |                               |           |                 |              |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VX046464.D        | 1         |           | 06/03/25 11:50 | VX060325      |

| CAS Number                | Parameter                 | Conc.  | Qualifier | MDL      | LOD  | LOQ / CRQL | Units   |
|---------------------------|---------------------------|--------|-----------|----------|------|------------|---------|
| 124-48-1                  | Dibromochloromethane      | 21.0   |           | 0.18     | 0.50 | 1.00       | ug/L    |
| 127-18-4                  | Tetrachloroethene         | 19.4   |           | 0.23     | 0.50 | 1.00       | ug/L    |
| 108-90-7                  | Chlorobenzene             | 20.0   |           | 0.12     | 0.50 | 1.00       | ug/L    |
| 100-41-4                  | Ethyl Benzene             | 20.4   |           | 0.13     | 0.50 | 1.00       | ug/L    |
| 179601-23-1               | m/p-Xylenes               | 40.2   |           | 0.24     | 1.00 | 2.00       | ug/L    |
| 95-47-6                   | o-Xylene                  | 21.4   |           | 0.12     | 0.50 | 1.00       | ug/L    |
| 100-42-5                  | Styrene                   | 21.2   |           | 0.15     | 0.50 | 1.00       | ug/L    |
| 75-25-2                   | Bromoform                 | 20.6   |           | 0.19     | 0.50 | 1.00       | ug/L    |
| 98-82-8                   | Isopropylbenzene          | 21.0   |           | 0.12     | 0.50 | 1.00       | ug/L    |
| 79-34-5                   | 1,1,2,2-Tetrachloroethane | 21.3   |           | 0.26     | 0.50 | 1.00       | ug/L    |
| 541-73-1                  | 1,3-Dichlorobenzene       | 20.2   |           | 0.16     | 0.50 | 1.00       | ug/L    |
| 106-46-7                  | 1,4-Dichlorobenzene       | 20.2   |           | 0.19     | 0.50 | 1.00       | ug/L    |
| 95-50-1                   | 1,2-Dichlorobenzene       | 21.2   |           | 0.16     | 0.50 | 1.00       | ug/L    |
| <b>SURROGATES</b>         |                           |        |           |          |      |            |         |
| 17060-07-0                | 1,2-Dichloroethane-d4     | 50.4   |           | 81 - 118 |      | 101%       | SPK: 50 |
| 1868-53-7                 | Dibromofluoromethane      | 51.6   |           | 80 - 119 |      | 103%       | SPK: 50 |
| 2037-26-5                 | Toluene-d8                | 48.2   |           | 89 - 112 |      | 96%        | SPK: 50 |
| 460-00-4                  | 4-Bromofluorobenzene      | 50.5   |           | 85 - 114 |      | 101%       | SPK: 50 |
| <b>INTERNAL STANDARDS</b> |                           |        |           |          |      |            |         |
| 363-72-4                  | Pentafluorobenzene        | 86000  | 5.544     |          |      |            |         |
| 540-36-3                  | 1,4-Difluorobenzene       | 151000 | 6.757     |          |      |            |         |
| 3114-55-4                 | Chlorobenzene-d5          | 130000 | 10.049    |          |      |            |         |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4    | 62400  | 12.018    |          |      |            |         |

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



# CALIBRATION SUMMARY

# VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q2186 SAS No.: Q2186 SDG No.: Q2186

Instrument ID: MSVOA\_X Calibration Date(s): 05/05/2025 05/05/2025

Heated Purge: (Y/N) N Calibration Time(s): 11:35 16:27

GC Column: DB-624UI ID: 0.18 (mm)

| LAB FILE ID:                   | RRF020 = VX046041.D | RRF050 = VX046042.D | RRF100 = VX046043.D | RRF150 = VX046044.D | RRF005 = VX046046.D | RRF001 = VX046047.D |       |       |
|--------------------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|-------|-------|
| COMPOUND                       | RRF020              | RRF050              | RRF100              | RRF150              | RRF005              | RRF001              | RRF   | % RSD |
| Chloromethane                  | 0.727               | 0.775               | 0.787               | 0.791               | 0.679               | 0.694               | 0.742 | 6.6   |
| Vinyl Chloride                 | 0.660               | 0.710               | 0.727               | 0.755               | 0.619               | 0.673               | 0.691 | 7.2   |
| Bromomethane                   | 0.296               | 0.326               | 0.340               | 0.334               | 0.305               |                     | 0.320 | 5.8   |
| Chloroethane                   | 0.354               | 0.378               | 0.329               | 0.317               | 0.368               | 0.467               | 0.369 | 14.4  |
| Trichlorofluoromethane         | 1.035               | 1.068               | 0.983               | 0.985               | 0.990               | 1.064               | 1.021 | 3.9   |
| 1,1,2-Trichlorotrifluoroethane | 0.628               | 0.641               | 0.629               | 0.648               | 0.610               | 0.633               | 0.632 | 2.1   |
| 1,1-Dichloroethene             | 0.565               | 0.601               | 0.607               | 0.625               | 0.567               | 0.594               | 0.593 | 3.9   |
| Acetone                        | 0.361               | 0.362               | 0.361               | 0.370               | 0.408               | 0.380               | 0.374 | 4.9   |
| Carbon Disulfide               | 1.295               | 1.455               | 1.522               | 1.597               | 1.141               | 1.423               | 1.406 | 11.7  |
| Methyl tert-butyl Ether        | 2.044               | 2.160               | 2.172               | 2.239               | 1.908               | 1.949               | 2.079 | 6.4   |
| Methylene Chloride             | 0.689               | 0.684               | 0.691               | 0.691               | 0.689               | 0.853               | 0.716 | 9.4   |
| trans-1,2-Dichloroethene       | 0.573               | 0.610               | 0.612               | 0.622               | 0.557               | 0.604               | 0.596 | 4.3   |
| 1,1-Dichloroethane             | 1.233               | 1.263               | 1.263               | 1.286               | 1.154               | 1.116               | 1.219 | 5.6   |
| 2-Butanone                     | 0.540               | 0.555               | 0.558               | 0.569               | 0.539               | 0.495               | 0.543 | 4.8   |
| Carbon Tetrachloride           | 0.528               | 0.558               | 0.552               | 0.577               | 0.505               | 0.541               | 0.544 | 4.6   |
| cis-1,2-Dichloroethene         | 0.716               | 0.737               | 0.738               | 0.755               | 0.642               | 0.719               | 0.718 | 5.5   |
| Chloroform                     | 1.287               | 1.296               | 1.277               | 1.300               | 1.199               | 1.265               | 1.271 | 3     |
| 1,1,1-Trichloroethane          | 1.106               | 1.131               | 1.155               | 1.188               | 1.013               | 1.015               | 1.101 | 6.6   |
| Methylcyclohexane              | 0.596               | 0.641               | 0.627               | 0.658               | 0.587               | 0.627               | 0.623 | 4.3   |
| Benzene                        | 1.426               | 1.474               | 1.441               | 1.477               | 1.337               | 1.348               | 1.417 | 4.3   |
| 1,2-Dichloroethane             | 0.632               | 0.627               | 0.611               | 0.625               | 0.594               | 0.579               | 0.612 | 3.5   |
| Trichloroethene                | 0.344               | 0.355               | 0.345               | 0.362               | 0.315               | 0.324               | 0.341 | 5.3   |
| 1,2-Dichloropropane            | 0.356               | 0.371               | 0.368               | 0.378               | 0.324               | 0.317               | 0.352 | 7.4   |
| Bromodichloromethane           | 0.557               | 0.577               | 0.573               | 0.594               | 0.498               | 0.485               | 0.547 | 8.2   |
| 4-Methyl-2-Pentanone           | 0.620               | 0.634               | 0.630               | 0.631               | 0.555               | 0.561               | 0.605 | 6     |
| Toluene                        | 0.884               | 0.898               | 0.885               | 0.904               | 0.838               | 0.803               | 0.869 | 4.5   |
| t-1,3-Dichloropropene          | 0.468               | 0.528               | 0.555               | 0.591               | 0.406               | 0.371               | 0.487 | 17.9  |
| cis-1,3-Dichloropropene        | 0.531               | 0.578               | 0.602               | 0.623               | 0.469               | 0.423               | 0.538 | 14.6  |
| 1,1,2-Trichloroethane          | 0.349               | 0.354               | 0.351               | 0.356               | 0.337               | 0.308               | 0.343 | 5.3   |
| 2-Hexanone                     | 0.466               | 0.473               | 0.477               | 0.473               | 0.414               | 0.385               | 0.448 | 8.7   |

\* Compounds with required minimum RRF and maximum %RSD values.  
All other compounds must meet a minimum RRF of 0.010.  
RRF of 1,4-Dioxane = Value should be divide by 1000.

# VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q2186 SAS No.: Q2186 SDG No.: Q2186

Instrument ID: MSVOA\_X Calibration Date(s): 05/05/2025 05/05/2025

Heated Purge: (Y/N) N Calibration Time(s): 11:35 16:27

GC Column: DB-624UI ID: 0.18 (mm)

| LAB FILE ID:              |        | RRF020 = VX046041.D |        | RRF050 = VX046042.D |        | RRF100 = VX046043.D |       |       |  |
|---------------------------|--------|---------------------|--------|---------------------|--------|---------------------|-------|-------|--|
|                           |        | RRF150 = VX046044.D |        | RRF005 = VX046046.D |        | RRF001 = VX046047.D |       |       |  |
| COMPOUND                  | RRF020 | RRF050              | RRF100 | RRF150              | RRF005 | RRF001              | RRF   | % RSD |  |
| Dibromochloromethane      | 0.378  | 0.400               | 0.415  | 0.431               | 0.326  | 0.306               | 0.376 | 13.3  |  |
| Tetrachloroethene         | 0.390  | 0.375               | 0.345  | 0.344               | 0.323  | 0.347               | 0.354 | 6.8   |  |
| Chlorobenzene             | 1.093  | 1.098               | 1.085  | 1.114               | 1.046  | 1.131               | 1.094 | 2.7   |  |
| Ethyl Benzene             | 1.919  | 2.022               | 1.979  | 2.036               | 1.816  | 1.803               | 1.929 | 5.2   |  |
| m/p-Xylenes               | 0.706  | 0.740               | 0.721  | 0.740               | 0.678  | 0.648               | 0.706 | 5.2   |  |
| o-Xylene                  | 0.688  | 0.727               | 0.706  | 0.726               | 0.639  | 0.642               | 0.688 | 5.7   |  |
| Styrene                   | 1.135  | 1.219               | 1.214  | 1.230               | 1.012  | 0.951               | 1.127 | 10.6  |  |
| Bromoform                 | 0.270  | 0.304               | 0.312  | 0.327               | 0.236  | 0.234               | 0.281 | 14.2  |  |
| Isopropylbenzene          | 3.843  | 4.130               | 3.876  | 4.156               | 3.562  | 3.789               | 3.893 | 5.7   |  |
| 1,1,2,2-Tetrachloroethane | 1.315  | 1.338               | 1.284  | 1.345               | 1.350  | 1.552               | 1.364 | 7     |  |
| 1,3-Dichlorobenzene       | 1.633  | 1.701               | 1.656  | 1.730               | 1.558  | 1.619               | 1.649 | 3.7   |  |
| 1,4-Dichlorobenzene       | 1.629  | 1.693               | 1.639  | 1.722               | 1.606  | 1.817               | 1.684 | 4.6   |  |
| 1,2-Dichlorobenzene       | 1.613  | 1.696               | 1.634  | 1.702               | 1.577  | 1.710               | 1.655 | 3.3   |  |
| 1,2-Dichloroethane-d4     | 0.953  | 0.910               | 0.930  | 0.932               | 0.935  |                     | 0.932 | 1.6   |  |
| Dibromofluoromethane      | 0.359  | 0.355               | 0.364  | 0.368               | 0.354  |                     | 0.360 | 1.7   |  |
| Toluene-d8                | 1.246  | 1.223               | 1.266  | 1.275               | 1.221  |                     | 1.246 | 2     |  |
| 4-Bromofluorobenzene      | 0.455  | 0.470               | 0.500  | 0.500               | 0.464  |                     | 0.478 | 4.4   |  |

\* Compounds with required minimum RRF and maximum %RSD values.  
All other compounds must meet a minimum RRF of 0.010.  
RRF of 1,4-Dioxane = Value should be divide by 1000.



VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q2186 SAS No.: Q2186 SDG No.: Q2186

Instrument ID: MSVOA\_X Calibration Date/Time: 06/03/2025 10:10

Lab File ID: VX046460.D Init. Calib. Date(s): 05/05/2025 05/05/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:35 16:27

GC Column: DB-624UI ID: 0.18 (mm)

| COMPOUND                       | RRF   | RRF050 | MIN<br>RRF | %D    | MAX%D |
|--------------------------------|-------|--------|------------|-------|-------|
| Chloromethane                  | 0.742 | 0.736  | 0.1        | -0.81 | 20    |
| Vinyl Chloride                 | 0.691 | 0.673  |            | -2.61 | 20    |
| Bromomethane                   | 0.320 | 0.292  |            | -8.75 | 20    |
| Chloroethane                   | 0.369 | 0.371  |            | 0.54  | 20    |
| Trichlorofluoromethane         | 1.021 | 1.024  |            | 0.29  | 20    |
| 1,1,2-Trichlorotrifluoroethane | 0.632 | 0.643  |            | 1.74  | 20    |
| 1,1-Dichloroethene             | 0.593 | 0.595  |            | 0.34  | 20    |
| Acetone                        | 0.374 | 0.443  |            | 18.45 | 20    |
| Carbon Disulfide               | 1.406 | 1.272  |            | -9.53 | 20    |
| Methyl tert-butyl Ether        | 2.079 | 2.188  |            | 5.24  | 20    |
| Methylene Chloride             | 0.716 | 0.695  |            | -2.93 | 20    |
| trans-1,2-Dichloroethene       | 0.596 | 0.602  |            | 1.01  | 20    |
| 1,1-Dichloroethane             | 1.219 | 1.266  | 0.1        | 3.86  | 20    |
| 2-Butanone                     | 0.543 | 0.573  |            | 5.53  | 20    |
| Carbon Tetrachloride           | 0.544 | 0.550  |            | 1.1   | 20    |
| cis-1,2-Dichloroethene         | 0.718 | 0.743  |            | 3.48  | 20    |
| Chloroform                     | 1.271 | 1.297  |            | 2.05  | 20    |
| 1,1,1-Trichloroethane          | 1.101 | 1.123  |            | 2     | 20    |
| Methylcyclohexane              | 0.623 | 0.640  |            | 2.73  | 20    |
| Benzene                        | 1.417 | 1.465  |            | 3.39  | 20    |
| 1,2-Dichloroethane             | 0.612 | 0.633  |            | 3.43  | 20    |
| Trichloroethene                | 0.341 | 0.351  |            | 2.93  | 20    |
| 1,2-Dichloropropane            | 0.352 | 0.380  |            | 7.95  | 20    |
| Bromodichloromethane           | 0.547 | 0.587  |            | 7.31  | 20    |
| 4-Methyl-2-Pentanone           | 0.605 | 0.632  |            | 4.46  | 20    |
| Toluene                        | 0.869 | 0.896  |            | 3.11  | 20    |
| t-1,3-Dichloropropene          | 0.487 | 0.526  |            | 8.01  | 20    |
| cis-1,3-Dichloropropene        | 0.538 | 0.583  |            | 8.36  | 20    |
| 1,1,2-Trichloroethane          | 0.343 | 0.357  |            | 4.08  | 20    |
| 2-Hexanone                     | 0.448 | 0.479  |            | 6.92  | 20    |
| Dibromochloromethane           | 0.376 | 0.403  |            | 7.18  | 20    |
| Tetrachloroethene              | 0.354 | 0.378  |            | 6.78  | 20    |
| Chlorobenzene                  | 1.094 | 1.132  | 0.3        | 3.47  | 20    |
| Ethyl Benzene                  | 1.929 | 2.094  |            | 8.55  | 20    |
| m/p-Xylenes                    | 0.706 | 0.754  |            | 6.8   | 20    |
| o-Xylene                       | 0.688 | 0.747  |            | 8.58  | 20    |
| Styrene                        | 1.127 | 1.256  |            | 11.45 | 20    |
| Bromoform                      | 0.281 | 0.299  | 0.1        | 6.41  | 20    |

All other compounds must meet a minimum RRF of 0.010.  
RRF of 1,4-Dioxane = Value should be divide by 1000.

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q2186 SAS No.: Q2186 SDG No.: Q2186

Instrument ID: MSVOA\_X Calibration Date/Time: 06/03/2025 10:10

Lab File ID: VX046460.D Init. Calib. Date(s): 05/05/2025 05/05/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:35 16:27

GC Column: DB-624UI ID: 0.18 (mm)

| COMPOUND                  | RRF   | RRF050 | MIN<br>RRF | %D    | MAX%D |
|---------------------------|-------|--------|------------|-------|-------|
| Isopropylbenzene          | 3.893 | 4.081  |            | 4.83  | 20    |
| 1,1,2,2-Tetrachloroethane | 1.364 | 1.325  | 0.3        | -2.93 | 20    |
| 1,3-Dichlorobenzene       | 1.649 | 1.704  |            | 3.34  | 20    |
| 1,4-Dichlorobenzene       | 1.684 | 1.703  |            | 1.13  | 20    |
| 1,2-Dichlorobenzene       | 1.655 | 1.679  |            | 1.45  | 20    |
| 1,2-Dichloroethane-d4     | 0.932 | 0.859  |            | -7.83 | 20    |
| Dibromofluoromethane      | 0.360 | 0.352  |            | -2.22 | 20    |
| Toluene-d8                | 1.246 | 1.151  |            | -7.62 | 20    |
| 4-Bromofluorobenzene      | 0.478 | 0.460  |            | -3.77 | 20    |

All other compounds must meet a minimum RRF of 0.010.  
RRF of 1,4-Dioxane = Value should be divide by 1000.

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q2186 SAS No.: Q2186 SDG No.: Q2186

Instrument ID: MSVOA\_X Calibration Date/Time: 06/03/2025 20:25

Lab File ID: VX046486.D Init. Calib. Date(s): 05/05/2025 05/05/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:35 16:27

GC Column: DB-624UI ID: 0.18 (mm)

| COMPOUND                       | RRF   | RRF050 | MIN<br>RRF | %D     | MAX%D |
|--------------------------------|-------|--------|------------|--------|-------|
| Chloromethane                  | 0.742 | 0.594  | 0.1        | -19.95 | 50    |
| Vinyl Chloride                 | 0.691 | 0.576  |            | -16.64 | 50    |
| Bromomethane                   | 0.320 | 0.228  |            | -28.75 | 50    |
| Chloroethane                   | 0.369 | 0.340  |            | -7.86  | 50    |
| Trichlorofluoromethane         | 1.021 | 0.901  |            | -11.75 | 50    |
| 1,1,2-Trichlorotrifluoroethane | 0.632 | 0.578  |            | -8.54  | 50    |
| 1,1-Dichloroethene             | 0.593 | 0.534  |            | -9.95  | 50    |
| Acetone                        | 0.374 | 0.407  |            | 8.82   | 50    |
| Carbon Disulfide               | 1.406 | 0.941  |            | -33.07 | 50    |
| Methyl tert-butyl Ether        | 2.079 | 2.323  |            | 11.74  | 50    |
| Methylene Chloride             | 0.716 | 0.657  |            | -8.24  | 50    |
| trans-1,2-Dichloroethene       | 0.596 | 0.545  |            | -8.56  | 50    |
| 1,1-Dichloroethane             | 1.219 | 1.253  | 0.1        | 2.79   | 50    |
| 2-Butanone                     | 0.543 | 0.635  |            | 16.94  | 50    |
| Carbon Tetrachloride           | 0.544 | 0.515  |            | -5.33  | 50    |
| cis-1,2-Dichloroethene         | 0.718 | 0.723  |            | 0.7    | 50    |
| Chloroform                     | 1.271 | 1.332  |            | 4.8    | 50    |
| 1,1,1-Trichloroethane          | 1.101 | 1.145  |            | 4      | 50    |
| Methylcyclohexane              | 0.623 | 0.554  |            | -11.07 | 50    |
| Benzene                        | 1.417 | 1.402  |            | -1.06  | 50    |
| 1,2-Dichloroethane             | 0.612 | 0.615  |            | 0.49   | 50    |
| Trichloroethene                | 0.341 | 0.334  |            | -2.05  | 50    |
| 1,2-Dichloropropane            | 0.352 | 0.382  |            | 8.52   | 50    |
| Bromodichloromethane           | 0.547 | 0.572  |            | 4.57   | 50    |
| 4-Methyl-2-Pentanone           | 0.605 | 0.712  |            | 17.69  | 50    |
| Toluene                        | 0.869 | 0.878  |            | 1.04   | 50    |
| t-1,3-Dichloropropene          | 0.487 | 0.523  |            | 7.39   | 50    |
| cis-1,3-Dichloropropene        | 0.538 | 0.572  |            | 6.32   | 50    |
| 1,1,2-Trichloroethane          | 0.343 | 0.374  |            | 9.04   | 50    |
| 2-Hexanone                     | 0.448 | 0.545  |            | 21.65  | 50    |
| Dibromochloromethane           | 0.376 | 0.410  |            | 9.04   | 50    |
| Tetrachloroethene              | 0.354 | 0.323  |            | -8.76  | 50    |
| Chlorobenzene                  | 1.094 | 1.090  | 0.3        | -0.37  | 50    |
| Ethyl Benzene                  | 1.929 | 1.971  |            | 2.18   | 50    |
| m/p-Xylenes                    | 0.706 | 0.715  |            | 1.27   | 50    |
| o-Xylene                       | 0.688 | 0.736  |            | 6.98   | 50    |
| Styrene                        | 1.127 | 1.222  |            | 8.43   | 50    |
| Bromoform                      | 0.281 | 0.305  | 0.1        | 8.54   | 50    |

All other compounds must meet a minimum RRF of 0.010.  
RRF of 1,4-Dioxane = Value should be divide by 1000.

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q2186 SAS No.: Q2186 SDG No.: Q2186

Instrument ID: MSVOA\_X Calibration Date/Time: 06/03/2025 20:25

Lab File ID: VX046486.D Init. Calib. Date(s): 05/05/2025 05/05/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:35 16:27

GC Column: DB-624UI ID: 0.18 (mm)

| COMPOUND                  | RRF   | RRF050 | MIN<br>RRF | %D    | MAX%D |
|---------------------------|-------|--------|------------|-------|-------|
| Isopropylbenzene          | 3.893 | 4.049  |            | 4.01  | 50    |
| 1,1,2,2-Tetrachloroethane | 1.364 | 1.472  | 0.3        | 7.92  | 50    |
| 1,3-Dichlorobenzene       | 1.649 | 1.715  |            | 4     | 50    |
| 1,4-Dichlorobenzene       | 1.684 | 1.700  |            | 0.95  | 50    |
| 1,2-Dichlorobenzene       | 1.655 | 1.774  |            | 7.19  | 50    |
| 1,2-Dichloroethane-d4     | 0.932 | 0.900  |            | -3.43 | 50    |
| Dibromofluoromethane      | 0.360 | 0.356  |            | -1.11 | 50    |
| Toluene-d8                | 1.246 | 1.176  |            | -5.62 | 50    |
| 4-Bromofluorobenzene      | 0.478 | 0.493  |            | 3.14  | 50    |

All other compounds must meet a minimum RRF of 0.010.  
RRF of 1,4-Dioxane = Value should be divide by 1000.

## LAB CHRONICLE

|                 |                      |                   |                               |
|-----------------|----------------------|-------------------|-------------------------------|
| <b>OrderID:</b> | Q2186                | <b>OrderDate:</b> | 6/2/2025 4:04:00 PM           |
| <b>Client:</b>  | Tetra Tech NUS, Inc. | <b>Project:</b>   | NWIRP Bethpage 112G08005-WE13 |
| <b>Contact:</b> | Ernie Wu             | <b>Location:</b>  | N13,VOA Ref. #3 Water         |

| LabID           | ClientID                     | Matrix       | Test           | Method        | Sample Date     | Prep Date | Anal Date | Received        |
|-----------------|------------------------------|--------------|----------------|---------------|-----------------|-----------|-----------|-----------------|
| <b>Q2186-03</b> | <b>BP-VPB-182-GW-680-682</b> | <b>Water</b> |                |               | <b>05/30/25</b> |           |           | <b>06/02/25</b> |
|                 |                              |              | SVOC-SIMGroup1 | 8270-Modified |                 | 06/04/25  | 06/05/25  |                 |
| <b>Q2186-07</b> | <b>BP-VPB-182-GW-720-722</b> | <b>Water</b> |                |               | <b>06/02/25</b> |           |           | <b>06/02/25</b> |
|                 |                              |              | SVOC-SIMGroup1 | 8270-Modified |                 | 06/04/25  | 06/05/25  |                 |
| <b>Q2186-09</b> | <b>VPB182-HYD-20250530</b>   | <b>Water</b> |                |               | <b>05/30/25</b> |           |           | <b>06/02/25</b> |
|                 |                              |              | SVOC-SIMGroup1 | 8270-Modified |                 | 06/04/25  | 06/05/25  |                 |



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

### Hit Summary Sheet SW-846

**SDG No.:** Q2186  
**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: | 05/30/25       |
| Project:           | NWIRP Bethpage 112G08005-WE13 | Date Received:  | 06/02/25       |
| Client Sample ID:  | BP-VPB-182-GW-680-682         | SDG No.:        | Q2186          |
| Lab Sample ID:     | Q2186-03                      | Matrix:         | Water          |
| Analytical Method: | SW8270ESIM                    | % Solid:        | 0              |
| Sample Wt/Vol:     | 390 Units: mL                 | Final Vol:      | 1000 uL        |
| Soil Aliquot Vol:  | uL                            | Test:           | SVOC-SIMGroup1 |
| Extraction Type :  | Decanted : N                  | Level :         | LOW            |
| Injection Volume : | GPC Factor : 1.0              | GPC Cleanup :   | N PH :         |
| Prep Method :      |                               |                 |                |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| BN037174.D        | 1         | 06/04/25 11:46 | 06/05/25 10:55 | PB168286      |

| CAS Number                | Parameter               | Conc. | Qualifier | MDL      | LOD  | LOQ / CRQL | Units    |
|---------------------------|-------------------------|-------|-----------|----------|------|------------|----------|
| <b>TARGETS</b>            |                         |       |           |          |      |            |          |
| 123-91-1                  | 1,4-Dioxane             | 0.51  | U         | 0.17     | 0.51 | 0.51       | ug/L     |
| <b>SURROGATES</b>         |                         |       |           |          |      |            |          |
| 7297-45-2                 | 2-Methylnaphthalene-d10 | 0.31  |           | 30 - 150 |      | 77%        | SPK: 0.4 |
| 93951-69-0                | Fluoranthene-d10        | 0.27  |           | 30 - 150 |      | 67%        | SPK: 0.4 |
| 4165-60-0                 | Nitrobenzene-d5         | 0.29  |           | 55 - 111 |      | 72%        | SPK: 0.4 |
| 321-60-8                  | 2-Fluorobiphenyl        | 0.31  |           | 53 - 106 |      | 78%        | SPK: 0.4 |
| 1718-51-0                 | Terphenyl-d14           | 0.31  |           | 58 - 132 |      | 77%        | SPK: 0.4 |
| <b>INTERNAL STANDARDS</b> |                         |       |           |          |      |            |          |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4  | 2110  | 7.589     |          |      |            |          |
| 1146-65-2                 | Naphthalene-d8          | 5410  | 10.372    |          |      |            |          |
| 15067-26-2                | Acenaphthene-d10        | 3090  | 14.235    |          |      |            |          |
| 1517-22-2                 | Phenanthrene-d10        | 5640  | 16.984    |          |      |            |          |
| 1719-03-5                 | Chrysene-d12            | 4230  | 21.18     |          |      |            |          |
| 1520-96-3                 | Perylene-d12            | 4430  | 23.374    |          |      |            |          |

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: | 06/02/25       |
| Project:           | NWIRP Bethpage 112G08005-WE13 | Date Received:  | 06/02/25       |
| Client Sample ID:  | BP-VPB-182-GW-720-722         | SDG No.:        | Q2186          |
| Lab Sample ID:     | Q2186-07                      | Matrix:         | Water          |
| Analytical Method: | SW8270ESIM                    | % Solid:        | 0              |
| Sample Wt/Vol:     | 870 Units: mL                 | Final Vol:      | 1000 uL        |
| Soil Aliquot Vol:  | uL                            | Test:           | SVOC-SIMGroup1 |
| Extraction Type :  | Decanted : N                  | Level :         | LOW            |
| Injection Volume : | GPC Factor : 1.0              | GPC Cleanup :   | N PH :         |
| Prep Method :      |                               |                 |                |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| BN037175.D        | 1         | 06/04/25 11:46 | 06/05/25 11:31 | PB168286      |

| CAS Number                | Parameter               | Conc. | Qualifier | MDL      | LOD  | LOQ / CRQL | Units    |
|---------------------------|-------------------------|-------|-----------|----------|------|------------|----------|
| <b>TARGETS</b>            |                         |       |           |          |      |            |          |
| 123-91-1                  | 1,4-Dioxane             | 0.23  | U         | 0.080    | 0.23 | 0.23       | ug/L     |
| <b>SURROGATES</b>         |                         |       |           |          |      |            |          |
| 7297-45-2                 | 2-Methylnaphthalene-d10 | 0.32  |           | 30 - 150 |      | 79%        | SPK: 0.4 |
| 93951-69-0                | Fluoranthene-d10        | 0.37  |           | 30 - 150 |      | 93%        | SPK: 0.4 |
| 4165-60-0                 | Nitrobenzene-d5         | 0.32  |           | 55 - 111 |      | 79%        | SPK: 0.4 |
| 321-60-8                  | 2-Fluorobiphenyl        | 0.38  |           | 53 - 106 |      | 95%        | SPK: 0.4 |
| 1718-51-0                 | Terphenyl-d14           | 0.44  |           | 58 - 132 |      | 109%       | SPK: 0.4 |
| <b>INTERNAL STANDARDS</b> |                         |       |           |          |      |            |          |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4  | 2570  | 7.589     |          |      |            |          |
| 1146-65-2                 | Naphthalene-d8          | 6340  | 10.372    |          |      |            |          |
| 15067-26-2                | Acenaphthene-d10        | 3150  | 14.235    |          |      |            |          |
| 1517-22-2                 | Phenanthrene-d10        | 5450  | 16.984    |          |      |            |          |
| 1719-03-5                 | Chrysene-d12            | 3970  | 21.18     |          |      |            |          |
| 1520-96-3                 | Perylene-d12            | 3880  | 23.371    |          |      |            |          |

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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: | 05/30/25       |
| Project:           | NWIRP Bethpage 112G08005-WE13 | Date Received:  | 06/02/25       |
| Client Sample ID:  | VPB182-HYD-20250530           | SDG No.:        | Q2186          |
| Lab Sample ID:     | Q2186-09                      | Matrix:         | Water          |
| Analytical Method: | SW8270ESIM                    | % Solid:        | 0              |
| Sample Wt/Vol:     | 890 Units: mL                 | Final Vol:      | 1000 uL        |
| Soil Aliquot Vol:  | uL                            | Test:           | SVOC-SIMGroup1 |
| Extraction Type :  | Decanted : N                  | Level :         | LOW            |
| Injection Volume : | GPC Factor : 1.0              | GPC Cleanup :   | N PH :         |
| Prep Method :      |                               |                 |                |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| BN037176.D        | 1         | 06/04/25 11:46 | 06/05/25 12:08 | PB168286      |

| CAS Number                | Parameter               | Conc. | Qualifier | MDL      | LOD  | LOQ / CRQL | Units    |
|---------------------------|-------------------------|-------|-----------|----------|------|------------|----------|
| <b>TARGETS</b>            |                         |       |           |          |      |            |          |
| 123-91-1                  | 1,4-Dioxane             | 0.22  | U         | 0.070    | 0.22 | 0.22       | ug/L     |
| <b>SURROGATES</b>         |                         |       |           |          |      |            |          |
| 7297-45-2                 | 2-Methylnaphthalene-d10 | 0.028 | *         | 30 - 150 |      | 7%         | SPK: 0.4 |
| 93951-69-0                | Fluoranthene-d10        | 0.17  |           | 30 - 150 |      | 41%        | SPK: 0.4 |
| 4165-60-0                 | Nitrobenzene-d5         | 0.34  |           | 55 - 111 |      | 84%        | SPK: 0.4 |
| 321-60-8                  | 2-Fluorobiphenyl        | 0.42  |           | 53 - 106 |      | 104%       | SPK: 0.4 |
| 1718-51-0                 | Terphenyl-d14           | 0.45  |           | 58 - 132 |      | 112%       | SPK: 0.4 |
| <b>INTERNAL STANDARDS</b> |                         |       |           |          |      |            |          |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4  | 2280  | 7.589     |          |      |            |          |
| 1146-65-2                 | Naphthalene-d8          | 5470  | 10.372    |          |      |            |          |
| 15067-26-2                | Acenaphthene-d10        | 2730  | 14.234    |          |      |            |          |
| 1517-22-2                 | Phenanthrene-d10        | 4700  | 16.984    |          |      |            |          |
| 1719-03-5                 | Chrysene-d12            | 3530  | 21.18     |          |      |            |          |
| 1520-96-3                 | Perylene-d12            | 3290  | 23.374    |          |      |            |          |

U = Not Detected

LOQ = Limit of Quantitation

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M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

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\* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products



# QC SUMMARY

## Surrogate Summary

SW-846

SDG No.: Q2186

Client: Tetra Tech NUS, Inc.

Analytical Method: 8270-Modified

| Lab Sample ID | Client ID             | Parameter               | Spike (PPM) | Result (PPM) | Recovery (%) | Qual | Limits (%) |      |
|---------------|-----------------------|-------------------------|-------------|--------------|--------------|------|------------|------|
|               |                       |                         |             |              |              |      | Low        | High |
| PB168286BL    | PB168286BL            | 2-Methylnaphthalene-d10 | 0.4         | 0.36         | 89           |      | 30         | 150  |
|               |                       | Fluoranthene-d10        | 0.4         | 0.34         | 85           |      | 30         | 150  |
|               |                       | Nitrobenzene-d5         | 0.4         | 0.34         | 84           |      | 55         | 111  |
|               |                       | 2-Fluorobiphenyl        | 0.4         | 0.37         | 91           |      | 53         | 106  |
|               |                       | Terphenyl-d14           | 0.4         | 0.39         | 98           |      | 58         | 132  |
| PB168286BS    | PB168286BS            | 2-Methylnaphthalene-d10 | 0.4         | 0.39         | 97           |      | 30         | 150  |
|               |                       | Fluoranthene-d10        | 0.4         | 0.30         | 76           |      | 30         | 150  |
|               |                       | Nitrobenzene-d5         | 0.4         | 0.35         | 88           |      | 55         | 111  |
|               |                       | 2-Fluorobiphenyl        | 0.4         | 0.38         | 94           |      | 53         | 106  |
|               |                       | Terphenyl-d14           | 0.4         | 0.37         | 91           |      | 58         | 132  |
| PB168286BSD   | PB168286BSD           | 2-Methylnaphthalene-d10 | 0.4         | 0.41         | 101          |      | 30         | 150  |
|               |                       | Fluoranthene-d10        | 0.4         | 0.32         | 79           |      | 30         | 150  |
|               |                       | Nitrobenzene-d5         | 0.4         | 0.36         | 89           |      | 55         | 111  |
|               |                       | 2-Fluorobiphenyl        | 0.4         | 0.38         | 96           |      | 53         | 106  |
|               |                       | Terphenyl-d14           | 0.4         | 0.38         | 94           |      | 58         | 132  |
| Q2186-03      | BP-VPB-182-GW-680-682 | 2-Methylnaphthalene-d10 | 0.4         | 0.31         | 77           |      | 30         | 150  |
|               |                       | Fluoranthene-d10        | 0.4         | 0.27         | 67           |      | 30         | 150  |
|               |                       | Nitrobenzene-d5         | 0.4         | 0.29         | 72           |      | 55         | 111  |
|               |                       | 2-Fluorobiphenyl        | 0.4         | 0.31         | 78           |      | 53         | 106  |
|               |                       | Terphenyl-d14           | 0.4         | 0.31         | 77           |      | 58         | 132  |
| Q2186-07      | BP-VPB-182-GW-720-722 | 2-Methylnaphthalene-d10 | 0.4         | 0.32         | 79           |      | 30         | 150  |
|               |                       | Fluoranthene-d10        | 0.4         | 0.37         | 93           |      | 30         | 150  |
|               |                       | Nitrobenzene-d5         | 0.4         | 0.32         | 79           |      | 55         | 111  |
|               |                       | 2-Fluorobiphenyl        | 0.4         | 0.38         | 95           |      | 53         | 106  |
|               |                       | Terphenyl-d14           | 0.4         | 0.44         | 109          |      | 58         | 132  |
| Q2186-09      | VPB182-HYD-20250530   | 2-Methylnaphthalene-d10 | 0.4         | 0.028        | 7            | *    | 30         | 150  |
|               |                       | Fluoranthene-d10        | 0.4         | 0.17         | 41           |      | 30         | 150  |
|               |                       | Nitrobenzene-d5         | 0.4         | 0.34         | 84           |      | 55         | 111  |
|               |                       | 2-Fluorobiphenyl        | 0.4         | 0.42         | 104          |      | 53         | 106  |
|               |                       | Terphenyl-d14           | 0.4         | 0.45         | 112          |      | 58         | 132  |

## Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2186

Client: Tetra Tech NUS, Inc.

Analytical Method: 8270-Modified DataFile: BN037182.D

| Lab Sample ID | Parameter   | Spike | Result | Unit | Rec | RPD | Qual | RPD  | Low | Limits | RPD |
|---------------|-------------|-------|--------|------|-----|-----|------|------|-----|--------|-----|
|               |             |       |        |      |     |     |      | Qual |     | High   |     |
| PB168286BS    | 1,4-Dioxane | 0.4   | 0.40   | ug/L | 100 |     |      |      | 70  | 130    |     |

A  
B  
C  
D  
E  
F  
G

## Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2186

Client: Tetra Tech NUS, Inc.

Analytical Method: 8270-Modified DataFile: BN037186.D

| Lab Sample ID | Parameter   | Spike | Result | Unit | Rec | RPD | Qual | RPD  | Low | Limits | RPD |
|---------------|-------------|-------|--------|------|-----|-----|------|------|-----|--------|-----|
|               |             |       |        |      |     |     |      | Qual |     | High   |     |
| PB168286BSD   | 1,4-Dioxane | 0.4   | 0.40   | ug/L | 100 | 0   |      |      | 70  | 130    | 20  |

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB168286BL

Lab Name: CHEMTECH

Contract: TETR06

Lab Code: CHEM Case No.: Q2186

SAS No.: Q2186 SDG NO.: Q2186

Lab File ID: BN037173.D

Lab Sample ID: PB168286BL

Instrument ID: BNA\_N

Date Extracted: 06/04/2025

Matrix: (soil/water) Water

Date Analyzed: 06/05/2025

Level: (low/med) LOW

Time Analyzed: 10:19

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 |
|-----------------------|------------------|----------------|------------------|
| PB168286BS            | PB168286BS       | BN037182.D     | 06/05/2025       |
| BP-VPB-182-GW-680-682 | Q2186-03         | BN037174.D     | 06/05/2025       |
| BP-VPB-182-GW-720-722 | Q2186-07         | BN037175.D     | 06/05/2025       |
| VPB182-HYD-20250530   | Q2186-09         | BN037176.D     | 06/05/2025       |
| PB168286BSD           | PB168286BSD      | BN037186.D     | 06/05/2025       |

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

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK  
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: TETR06

Lab Code: CHEM

SAS No.: Q2186

SDG NO.: Q2186

Lab File ID: BN037142.D

DFTPP Injection Date: 06/03/2025

Instrument ID: BNA\_N

DFTPP Injection Time: 10:21

| m/e | ION ABUNDANCE CRITERIA             | % RELATIVE ABUNDANCE |
|-----|------------------------------------|----------------------|
| 51  | 10.0 - 80.0% of mass 198           | 69.8                 |
| 68  | Less than 2.0% of mass 69          | 0.0 ( 0.0 ) 1        |
| 69  | Mass 69 relative abundance         | 58.7                 |
| 70  | Less than 2.0% of mass 69          | 0.3 ( 0.5 ) 1        |
| 127 | 10.0 - 80.0% of mass 198           | 53.9                 |
| 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            | 6.8                  |
| 275 | 10.0 - 60.0% of mass 198           | 24.4                 |
| 365 | Greater than 1% of mass 198        | 4.5                  |
| 441 | Present, but less than mass 443    | 10.3                 |
| 442 | Greater than 50% of mass 198       | 100                  |
| 443 | 15.0 - 24.0% of mass 442           | 12.1 (19.8) 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       | BN037143.D     | 06/03/2025       | 11:39            |
| SSTDICC0.2        | SSTDICC0.2       | BN037144.D     | 06/03/2025       | 12:15            |
| SSTDICCC0.4       | SSTDICCC0.4      | BN037145.D     | 06/03/2025       | 12:51            |
| SSTDICC0.8        | SSTDICC0.8       | BN037146.D     | 06/03/2025       | 13:26            |
| SSTDICC1.6        | SSTDICC1.6       | BN037147.D     | 06/03/2025       | 14:02            |
| SSTDICC3.2        | SSTDICC3.2       | BN037148.D     | 06/03/2025       | 14:38            |
| SSTDICC5.0        | SSTDICC5.0       | BN037149.D     | 06/03/2025       | 15:14            |



5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK  
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: TETR06

Lab Code: CHEM

SAS No.: Q2186

SDG NO.: Q2186

Lab File ID: BN037171.D

DFTPP Injection Date: 06/05/2025

Instrument ID: BNA\_N

DFTPP Injection Time: 09:03

| m/e | ION ABUNDANCE CRITERIA             | % RELATIVE ABUNDANCE |
|-----|------------------------------------|----------------------|
| 51  | 10.0 - 80.0% of mass 198           | 74.9                 |
| 68  | Less than 2.0% of mass 69          | 0.4 ( 0.7 ) 1        |
| 69  | Mass 69 relative abundance         | 60.7                 |
| 70  | Less than 2.0% of mass 69          | 0.3 ( 0.6 ) 1        |
| 127 | 10.0 - 80.0% of mass 198           | 54.1                 |
| 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            | 6.8                  |
| 275 | 10.0 - 60.0% of mass 198           | 24.4                 |
| 365 | Greater than 1% of mass 198        | 4.3                  |
| 441 | Present, but less than mass 443    | 8.7                  |
| 442 | Greater than 50% of mass 198       | 100                  |
| 443 | 15.0 - 24.0% of mass 442           | 10.3 (19.6) 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       | BN037172.D     | 06/05/2025       | 09:42            |
| PB168286BL            | PB168286BL       | BN037173.D     | 06/05/2025       | 10:19            |
| BP-VPB-182-GW-680-682 | Q2186-03         | BN037174.D     | 06/05/2025       | 10:55            |
| BP-VPB-182-GW-720-722 | Q2186-07         | BN037175.D     | 06/05/2025       | 11:31            |
| VPB182-HYD-20250530   | Q2186-09         | BN037176.D     | 06/05/2025       | 12:08            |
| PB168286BS            | PB168286BS       | BN037182.D     | 06/05/2025       | 16:21            |
| PB168286BSD           | PB168286BSD      | BN037186.D     | 06/05/2025       | 18:46            |
| SSTDCCC0.4EC          | SSTDCCC0.4       | BN037187.D     | 06/05/2025       | 19:22            |

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q2186 SAS No.: Q2186 SDG NO.: Q2186

EPA Sample No.: SSTDCCC0.4 Date Analyzed: 06/05/2025

Lab File ID: BN037172.D Time Analyzed: 09:42

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              | 2188                | 7.589 | 5634                | 10.37  | 3073                | 14.23  |
| UPPER LIMIT              | 4376                | 8.089 | 11268               | 10.872 | 6146                | 14.734 |
| LOWER LIMIT              | 1094                | 7.089 | 2817                | 9.872  | 1536.5              | 13.734 |
| EPA SAMPLE NO.           |                     |       |                     |        |                     |        |
| 01 PB168286BL            | 1976                | 7.59  | 4795                | 10.37  | 2582                | 14.25  |
| 02 PB168286BS            | 2072                | 7.59  | 5107                | 10.37  | 2443                | 14.24  |
| 03 PB168286BSD           | 1756                | 7.59  | 4279                | 10.37  | 2046                | 14.24  |
| 04 BP-VPB-182-GW-680-682 | 2112                | 7.59  | 5405                | 10.37  | 3092                | 14.24  |
| 05 BP-VPB-182-GW-720-722 | 2566                | 7.59  | 6337                | 10.37  | 3154                | 14.24  |
| 06 VPB182-HYD-20250530   | 2282                | 7.59  | 5466                | 10.37  | 2730                | 14.23  |

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: CHEMTECH

Lab Code: CHEM Case No.: Q2186 SAS No.: Q2186 SDG NO.: Q2186

EPA Sample No.: SSTDCCC0.4 Date Analyzed: 06/05/2025

Lab File ID: BN037172.D Time Analyzed: 09:42

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              | 5620                | 16.984 | 3619                | 21.188 | 3205                | 23.374 |
| UPPER LIMIT              | 11240               | 17.484 | 7238                | 21.688 | 6410                | 23.874 |
| LOWER LIMIT              | 2810                | 16.484 | 1809.5              | 20.688 | 1602.5              | 22.874 |
| EPA SAMPLE NO.           |                     |        |                     |        |                     |        |
| 01 PB168286BL            | 4632                | 17.00  | 2959                | 21.19  | 2743                | 23.38  |
| 02 PB168286BS            | 4074                | 16.98  | 2362                | 21.19  | 2229                | 23.38  |
| 03 PB168286BSD           | 3397                | 16.98  | 1984                | 21.18  | 1936                | 23.38  |
| 04 BP-VPB-182-GW-680-682 | 5642                | 16.98  | 4233                | 21.18  | 4432                | 23.37  |
| 05 BP-VPB-182-GW-720-722 | 5452                | 16.98  | 3972                | 21.18  | 3875                | 23.37  |
| 06 VPB182-HYD-20250530   | 4699                | 16.98  | 3527                | 21.18  | 3289                | 23.37  |

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:  | PB168286BL                    |                  | SDG No.:        | Q2186          |      |
| Lab Sample ID:     | PB168286BL                    |                  | Matrix:         | Water          |      |
| Analytical Method: | SW8270ESIM                    |                  | % Solid:        | 0              |      |
| Sample Wt/Vol:     | 1000                          | Units: mL        | Final Vol:      | 1000           | uL   |
| Soil Aliquot Vol:  |                               | uL               | Test:           | SVOC-SIMGroup1 |      |
| Extraction Type :  |                               | Decanted : N     | Level :         | LOW            |      |
| Injection Volume : |                               | GPC Factor : 1.0 | GPC Cleanup :   | N              | PH : |
| Prep Method :      |                               |                  |                 |                |      |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| BN037173.D        | 1         | 06/04/25 11:46 | 06/05/25 10:19 | PB168286      |

| CAS Number                | Parameter               | Conc. | Qualifier | MDL      | LOD  | LOQ / CRQL | Units    |
|---------------------------|-------------------------|-------|-----------|----------|------|------------|----------|
| <b>TARGETS</b>            |                         |       |           |          |      |            |          |
| 123-91-1                  | 1,4-Dioxane             | 0.20  | U         | 0.070    | 0.20 | 0.20       | ug/L     |
| <b>SURROGATES</b>         |                         |       |           |          |      |            |          |
| 7297-45-2                 | 2-Methylnaphthalene-d10 | 0.36  |           | 30 - 150 |      | 89%        | SPK: 0.4 |
| 93951-69-0                | Fluoranthene-d10        | 0.34  |           | 30 - 150 |      | 85%        | SPK: 0.4 |
| 4165-60-0                 | Nitrobenzene-d5         | 0.34  |           | 55 - 111 |      | 84%        | SPK: 0.4 |
| 321-60-8                  | 2-Fluorobiphenyl        | 0.37  |           | 53 - 106 |      | 91%        | SPK: 0.4 |
| 1718-51-0                 | Terphenyl-d14           | 0.39  |           | 58 - 132 |      | 98%        | SPK: 0.4 |
| <b>INTERNAL STANDARDS</b> |                         |       |           |          |      |            |          |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4  | 1980  | 7.589     |          |      |            |          |
| 1146-65-2                 | Naphthalene-d8          | 4800  | 10.372    |          |      |            |          |
| 15067-26-2                | Acenaphthene-d10        | 2580  | 14.245    |          |      |            |          |
| 1517-22-2                 | Phenanthrene-d10        | 4630  | 16.996    |          |      |            |          |
| 1719-03-5                 | Chrysene-d12            | 2960  | 21.188    |          |      |            |          |
| 1520-96-3                 | Perylene-d12            | 2740  | 23.377    |          |      |            |          |

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: |                |      |
| Project:           | NWIRP Bethpage 112G08005-WE13 |                  | Date Received:  |                |      |
| Client Sample ID:  | PB168286BS                    |                  | SDG No.:        | Q2186          |      |
| Lab Sample ID:     | PB168286BS                    |                  | Matrix:         | Water          |      |
| Analytical Method: | SW8270ESIM                    |                  | % Solid:        | 0              |      |
| Sample Wt/Vol:     | 1000                          | Units: mL        | Final Vol:      | 1000           | uL   |
| Soil Aliquot Vol:  |                               | uL               | Test:           | SVOC-SIMGroup1 |      |
| Extraction Type :  |                               | Decanted : N     | Level :         | LOW            |      |
| Injection Volume : |                               | GPC Factor : 1.0 | GPC Cleanup :   | N              | PH : |
| Prep Method :      |                               |                  |                 |                |      |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| BN037182.D        | 1         | 06/04/25 11:46 | 06/05/25 16:21 | PB168286      |

| CAS Number                | Parameter               | Conc. | Qualifier | MDL      | LOD  | LOQ / CRQL | Units    |
|---------------------------|-------------------------|-------|-----------|----------|------|------------|----------|
| <b>TARGETS</b>            |                         |       |           |          |      |            |          |
| 123-91-1                  | 1,4-Dioxane             | 0.40  |           | 0.070    | 0.20 | 0.20       | ug/L     |
| <b>SURROGATES</b>         |                         |       |           |          |      |            |          |
| 7297-45-2                 | 2-Methylnaphthalene-d10 | 0.39  |           | 30 - 150 |      | 97%        | SPK: 0.4 |
| 93951-69-0                | Fluoranthene-d10        | 0.30  |           | 30 - 150 |      | 76%        | SPK: 0.4 |
| 4165-60-0                 | Nitrobenzene-d5         | 0.35  |           | 55 - 111 |      | 88%        | SPK: 0.4 |
| 321-60-8                  | 2-Fluorobiphenyl        | 0.38  |           | 53 - 106 |      | 94%        | SPK: 0.4 |
| 1718-51-0                 | Terphenyl-d14           | 0.37  |           | 58 - 132 |      | 91%        | SPK: 0.4 |
| <b>INTERNAL STANDARDS</b> |                         |       |           |          |      |            |          |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4  | 2070  | 7.589     |          |      |            |          |
| 1146-65-2                 | Naphthalene-d8          | 5110  | 10.372    |          |      |            |          |
| 15067-26-2                | Acenaphthene-d10        | 2440  | 14.235    |          |      |            |          |
| 1517-22-2                 | Phenanthrene-d10        | 4070  | 16.984    |          |      |            |          |
| 1719-03-5                 | Chrysene-d12            | 2360  | 21.189    |          |      |            |          |
| 1520-96-3                 | Perylene-d12            | 2230  | 23.377    |          |      |            |          |

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: |                |      |
| Project:           | NWIRP Bethpage 112G08005-WE13 |                  | Date Received:  |                |      |
| Client Sample ID:  | PB168286BSD                   |                  | SDG No.:        | Q2186          |      |
| Lab Sample ID:     | PB168286BSD                   |                  | Matrix:         | Water          |      |
| Analytical Method: | SW8270ESIM                    |                  | % Solid:        | 0              |      |
| Sample Wt/Vol:     | 1000                          | Units: mL        | Final Vol:      | 1000           | uL   |
| Soil Aliquot Vol:  |                               | uL               | Test:           | SVOC-SIMGroup1 |      |
| Extraction Type :  |                               | Decanted : N     | Level :         | LOW            |      |
| Injection Volume : |                               | GPC Factor : 1.0 | GPC Cleanup :   | N              | PH : |
| Prep Method :      |                               |                  |                 |                |      |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| BN037186.D        | 1         | 06/04/25 11:46 | 06/05/25 18:46 | PB168286      |

| CAS Number                | Parameter               | Conc. | Qualifier | MDL      | LOD  | LOQ / CRQL | Units    |
|---------------------------|-------------------------|-------|-----------|----------|------|------------|----------|
| <b>TARGETS</b>            |                         |       |           |          |      |            |          |
| 123-91-1                  | 1,4-Dioxane             | 0.40  |           | 0.070    | 0.20 | 0.20       | ug/L     |
| <b>SURROGATES</b>         |                         |       |           |          |      |            |          |
| 7297-45-2                 | 2-Methylnaphthalene-d10 | 0.41  |           | 30 - 150 |      | 101%       | SPK: 0.4 |
| 93951-69-0                | Fluoranthene-d10        | 0.32  |           | 30 - 150 |      | 79%        | SPK: 0.4 |
| 4165-60-0                 | Nitrobenzene-d5         | 0.36  |           | 55 - 111 |      | 89%        | SPK: 0.4 |
| 321-60-8                  | 2-Fluorobiphenyl        | 0.38  |           | 53 - 106 |      | 96%        | SPK: 0.4 |
| 1718-51-0                 | Terphenyl-d14           | 0.38  |           | 58 - 132 |      | 94%        | SPK: 0.4 |
| <b>INTERNAL STANDARDS</b> |                         |       |           |          |      |            |          |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4  | 1760  | 7.589     |          |      |            |          |
| 1146-65-2                 | Naphthalene-d8          | 4280  | 10.372    |          |      |            |          |
| 15067-26-2                | Acenaphthene-d10        | 2050  | 14.235    |          |      |            |          |
| 1517-22-2                 | Phenanthrene-d10        | 3400  | 16.984    |          |      |            |          |
| 1719-03-5                 | Chrysene-d12            | 1980  | 21.18     |          |      |            |          |
| 1520-96-3                 | Perylene-d12            | 1940  | 23.377    |          |      |            |          |

U = Not Detected

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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



# CALIBRATION SUMMARY



Method Path : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\  
 Method File : 8270-SIM-BN060325.M  
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 Last Update : Wed Jun 04 01:52:03 2025  
 Response Via : Initial Calibration

## Calibration Files

0.1 =BN037143.D 0.2 =BN037144.D 0.4 =BN037145.D 0.8 =BN037146.D 1.6 =BN037147.D 3.2 =BN037148.D 5.0 =BN037149.D

|           | Compound              | 0.1            | 0.2   | 0.4   | 0.8   | 1.6   | 3.2   | 5.0   | Avg   | %RSD  |
|-----------|-----------------------|----------------|-------|-------|-------|-------|-------|-------|-------|-------|
| -----     |                       |                |       |       |       |       |       |       |       |       |
| 1) I      | 1,4-Dichlorobenzen... | -----ISTD----- |       |       |       |       |       |       |       |       |
| 2)        | 1,4-Dioxane           | 0.598          | 0.657 | 0.510 | 0.506 | 0.526 | 0.477 | 0.458 | 0.533 | 13.16 |
| 3)        | n-Nitrosodimet...     | 1.098          | 1.031 | 1.061 | 1.067 | 1.163 | 1.061 | 1.012 | 1.071 | 4.60  |
| 4) S      | 2-Fluorophenol        | 1.027          | 1.017 | 0.940 | 0.945 | 1.036 | 0.984 | 0.975 | 0.989 | 3.91  |
| 5) S      | Phenol-d6             | 1.156          | 1.144 | 1.127 | 1.126 | 1.293 | 1.261 | 1.285 | 1.199 | 6.42  |
| 6)        | bis(2-Chloroet...     | 1.138          | 1.139 | 1.128 | 1.089 | 1.223 | 1.146 | 1.146 | 1.144 | 3.51  |
|           |                       |                |       |       |       |       |       |       |       |       |
| 7) I      | Naphthalene-d8        | -----ISTD----- |       |       |       |       |       |       |       |       |
| 8) S      | Nitrobenzene-d5       | 0.393          | 0.383 | 0.421 | 0.407 | 0.455 | 0.450 | 0.446 | 0.422 | 6.86  |
| 9)        | Naphthalene           | 1.183          | 1.125 | 1.119 | 1.111 | 1.215 | 1.165 | 1.160 | 1.154 | 3.31  |
| 10)       | Hexachlorobuta...     | 0.253          | 0.249 | 0.261 | 0.247 | 0.266 | 0.246 | 0.238 | 0.251 | 3.81  |
| 11) SURR2 | Methylnaphth...       | 0.520          | 0.515 | 0.562 | 0.536 | 0.598 | 0.577 | 0.588 | 0.557 | 5.97  |
| 12)       | 2-Methylnaphth...     | 0.704          | 0.680 | 0.691 | 0.719 | 0.809 | 0.783 | 0.793 | 0.740 | 7.22  |
|           |                       |                |       |       |       |       |       |       |       |       |
| 13) I     | Acenaphthene-d10      | -----ISTD----- |       |       |       |       |       |       |       |       |
| 14) S     | 2,4,6-Tribromo...     | 0.124          | 0.147 | 0.146 | 0.157 | 0.185 | 0.182 | 0.186 | 0.161 | 15.03 |
| 15) S     | 2-Fluorobiphenyl      | 1.722          | 1.691 | 1.626 | 1.654 | 1.814 | 1.706 | 1.725 | 1.705 | 3.52  |
| 16)       | Acenaphthylene        | 1.946          | 1.905 | 1.768 | 1.871 | 2.112 | 2.050 | 2.075 | 1.961 | 6.32  |
| 17)       | Acenaphthene          | 1.290          | 1.253 | 1.159 | 1.212 | 1.370 | 1.309 | 1.320 | 1.273 | 5.59  |
| 18)       | Fluorene              | 1.701          | 1.577 | 1.518 | 1.611 | 1.823 | 1.736 | 1.752 | 1.674 | 6.48  |
|           |                       |                |       |       |       |       |       |       |       |       |
| 19) I     | Phenanthrene-d10      | -----ISTD----- |       |       |       |       |       |       |       |       |
| 20)       | 4,6-Dinitro-2-...     | 0.039          | 0.050 | 0.067 | 0.090 | 0.102 | 0.114 | 0.077 |       | 38.58 |
| 21)       | 4-Bromophenyl-...     | 0.256          | 0.253 | 0.244 | 0.254 | 0.281 | 0.276 | 0.271 | 0.262 | 5.32  |
| 22)       | Hexachlorobenzene     | 0.289          | 0.284 | 0.269 | 0.279 | 0.301 | 0.284 | 0.274 | 0.283 | 3.72  |
| 23)       | Atrazine              | 0.194          | 0.200 | 0.187 | 0.209 | 0.241 | 0.238 | 0.247 | 0.216 | 11.42 |
| 24)       | Pentachlorophenol     | 0.086          | 0.086 | 0.092 | 0.107 | 0.140 | 0.153 | 0.165 | 0.124 | 26.72 |
| 25)       | Phenanthrene          | 1.285          | 1.242 | 1.193 | 1.248 | 1.386 | 1.357 | 1.361 | 1.296 | 5.64  |
| 26)       | Anthracene            | 1.098          | 1.099 | 1.036 | 1.143 | 1.294 | 1.290 | 1.317 | 1.183 | 9.71  |
| 27) SURR  | Fluoranthene-d10      | 0.969          | 0.937 | 0.975 | 0.956 | 1.092 | 1.071 | 1.114 | 1.016 | 7.22  |
| 28)       | Fluoranthene          | 1.339          | 1.294 | 1.277 | 1.365 | 1.579 | 1.563 | 1.605 | 1.432 | 10.09 |
|           |                       |                |       |       |       |       |       |       |       |       |
| 29) I     | Chrysene-d12          | -----ISTD----- |       |       |       |       |       |       |       |       |
| 30)       | Pyrene                | 2.051          | 1.974 | 1.827 | 1.928 | 2.048 | 1.955 | 1.885 | 1.953 | 4.20  |
| 31) S     | Terphenyl-d14         | 0.964          | 0.909 | 0.896 | 0.941 | 1.006 | 0.952 | 0.923 | 0.942 | 3.96  |
| 32)       | Benzo(a)anthra...     | 1.369          | 1.367 | 1.291 | 1.404 | 1.582 | 1.553 | 1.570 | 1.448 | 8.15  |
| 33)       | Chrysene              | 1.755          | 1.636 | 1.473 | 1.582 | 1.698 | 1.584 | 1.556 | 1.612 | 5.81  |
| 34)       | Bis(2-ethylhex...     | 1.032          | 0.859 | 0.774 | 0.858 | 0.956 | 0.914 | 1.002 | 0.914 | 9.90  |
|           |                       |                |       |       |       |       |       |       |       |       |
| 35) I     | Perylene-d12          | -----ISTD----- |       |       |       |       |       |       |       |       |

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

Method File : 8270-SIM-BN060325.M

|       |                   |       |       |       |       |       |       |       |       |      |
|-------|-------------------|-------|-------|-------|-------|-------|-------|-------|-------|------|
| 36)   | Indeno(1,2,3-c... | 1.443 | 1.605 | 1.501 | 1.526 | 1.695 | 1.673 | 1.697 | 1.591 | 6.44 |
| 37)   | Benzo(b)fluora... | 1.529 | 1.520 | 1.421 | 1.575 | 1.763 | 1.713 | 1.781 | 1.615 | 8.58 |
| 38)   | Benzo(k)fluora... | 1.576 | 1.565 | 1.461 | 1.612 | 1.777 | 1.743 | 1.805 | 1.648 | 7.79 |
| 39) C | Benzo(a)pyrene    | 1.310 | 1.287 | 1.219 | 1.294 | 1.451 | 1.426 | 1.481 | 1.352 | 7.32 |
| 40)   | Dibenzo(a,h)an... | 1.074 | 1.167 | 1.160 | 1.196 | 1.333 | 1.332 | 1.328 | 1.227 | 8.48 |
| 41)   | Benzo(g,h,i)pe... | 1.368 | 1.450 | 1.351 | 1.372 | 1.477 | 1.424 | 1.425 | 1.410 | 3.33 |

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q2186 SAS No.: Q2186 SDG No.: Q2186

Instrument ID: BNA\_N Calibration Date/Time: 06/05/2025 09:42

Lab File ID: BN037172.D Init. Calib. Date(s): 06/03/2025 06/03/2025

EPA Sample No.: SSTDCCC0.4 Init. Calib. Time(s): 11:39 15:14

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

| COMPOUND                | RRF   | RRF0.4 | MIN<br>RRF | %D    | MAX%D |
|-------------------------|-------|--------|------------|-------|-------|
| 2-Methylnaphthalene-d10 | 0.557 | 0.553  |            | -0.7  | 20.0  |
| Fluoranthene-d10        | 1.016 | 0.921  |            | -9.4  | 20.0  |
| 2-Fluorophenol          | 0.989 | 0.924  |            | -6.6  | 20.0  |
| Phenol-d6               | 1.199 | 1.117  |            | -6.8  | 20.0  |
| Nitrobenzene-d5         | 0.422 | 0.422  |            | 0.0   | 20.0  |
| 2-Fluorobiphenyl        | 1.705 | 1.677  |            | -1.6  | 20.0  |
| 2,4,6-Tribromophenol    | 0.161 | 0.143  |            | -11.2 | 20.0  |
| Terphenyl-d14           | 0.942 | 0.898  |            | -4.7  | 20.0  |
| 1,4-Dioxane             | 0.533 | 0.502  |            | -5.8  | 20.0  |

All other compounds must meet a minimum RRF of 0.010.

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q2186 SAS No.: Q2186 SDG No.: Q2186

Instrument ID: BNA\_N Calibration Date/Time: 06/05/2025 19:22

Lab File ID: BN037187.D Init. Calib. Date(s): 06/03/2025 06/03/2025

EPA Sample No.: SSTDCCC0.4EC Init. Calib. Time(s): 11:39 15:14

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

| COMPOUND                | RRF   | RRF0.4 | MIN<br>RRF | %D   | MAX%D |
|-------------------------|-------|--------|------------|------|-------|
| 2-Methylnaphthalene-d10 | 0.557 | 0.568  |            | 2.0  | 50.0  |
| Fluoranthene-d10        | 1.016 | 0.933  |            | -8.2 | 50.0  |
| 2-Fluorophenol          | 0.989 | 0.947  |            | -4.2 | 50.0  |
| Phenol-d6               | 1.199 | 1.170  |            | -2.4 | 50.0  |
| Nitrobenzene-d5         | 0.422 | 0.423  |            | 0.2  | 50.0  |
| 2-Fluorobiphenyl        | 1.705 | 1.588  |            | -6.9 | 50.0  |
| 2,4,6-Tribromophenol    | 0.161 | 0.150  |            | -6.8 | 50.0  |
| Terphenyl-d14           | 0.942 | 0.931  |            | -1.2 | 50.0  |
| 1,4-Dioxane             | 0.533 | 0.497  |            | -6.8 | 50.0  |

All other compounds must meet a minimum RRF of 0.010.



# SHIPPING DOCUMENTS

| CLIENT INFORMATION                                                                                     |   |                           |   | PROJECT INFORMATION                                                                         |   |   |   | BILLING INFORMATION                                                                                                                                                                                                                                                                         |  |                                                                                 |  |                   |  |              |  |               |   |   |   |                                                                            |   |   |   |          |  |  |  |                                           |  |  |  |  |  |
|--------------------------------------------------------------------------------------------------------|---|---------------------------|---|---------------------------------------------------------------------------------------------|---|---|---|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|---------------------------------------------------------------------------------|--|-------------------|--|--------------|--|---------------|---|---|---|----------------------------------------------------------------------------|---|---|---|----------|--|--|--|-------------------------------------------|--|--|--|--|--|
| COMPANY: Tetra Tech                                                                                    |   |                           |   | PROJECT NAME: NWIRP Bethpage                                                                |   |   |   | BILL TO: SEE CONTRACT                                                                                                                                                                                                                                                                       |  |                                                                                 |  | PO#               |  |              |  |               |   |   |   |                                                                            |   |   |   |          |  |  |  |                                           |  |  |  |  |  |
| ADDRESS: 4433 Corporation Lane Suite 300                                                               |   |                           |   | PROJECT #: 112G08005-WE13      LOCATION: VPB-182                                            |   |   |   | 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: _____ 2 & 10 DAYS*                                                                                |   |                           |   | <input type="checkbox"/> RESULTS ONLY <input type="checkbox"/> USEPA CLP                    |   |   |   | VOC(SW846-420B)<br>1,4 Dioxane (8270 SIM)<br>Method 522 PREC 1,4<br><table border="1"><tr><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><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr></table> |  |                                                                                 |  |                   |  |              |  | 1             | 2 | 3 | 4 | 5                                                                          | 6 | 7 | 8 | 9        |  |  |  |                                           |  |  |  |  |  |
| 1                                                                                                      | 2 | 3                         | 4 | 5                                                                                           | 6 | 7 | 8 |                                                                                                                                                                                                                                                                                             |  |                                                                                 |  |                   |  |              |  | 9             |   |   |   |                                                                            |   |   |   |          |  |  |  |                                           |  |  |  |  |  |
|                                                                                                        |   |                           |   |                                                                                             |   |   |   |                                                                                                                                                                                                                                                                                             |  |                                                                                 |  |                   |  |              |  |               |   |   |   |                                                                            |   |   |   |          |  |  |  |                                           |  |  |  |  |  |
| HARD COPY: _____ 2 & 10 DAYS*                                                                          |   |                           |   | <input type="checkbox"/> RESULTS + QC <input type="checkbox"/> New York State ASP "B"       |   |   |   |                                                                                                                                                                                                                                                                                             |  |                                                                                 |  |                   |  |              |  |               |   |   |   |                                                                            |   |   |   |          |  |  |  |                                           |  |  |  |  |  |
| EDD _____ 2 & 10 DAYS*                                                                                 |   |                           |   | <input type="checkbox"/> New Jersey REDUCED <input type="checkbox"/> New York State ASP "A" |   |   |   |                                                                                                                                                                                                                                                                                             |  |                                                                                 |  |                   |  |              |  |               |   |   |   |                                                                            |   |   |   |          |  |  |  |                                           |  |  |  |  |  |
| * TO BE APPROVED BY CHEMTECH                                                                           |   |                           |   | <input type="checkbox"/> New Jersey CLP <input type="checkbox"/> Other _____                |   |   |   |                                                                                                                                                                                                                                                                                             |  |                                                                                 |  |                   |  |              |  |               |   |   |   |                                                                            |   |   |   |          |  |  |  |                                           |  |  |  |  |  |
| STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS                                                           |   |                           |   | <input type="checkbox"/> EDD Format _____                                                   |   |   |   |                                                                                                                                                                                                                                                                                             |  |                                                                                 |  |                   |  |              |  |               |   |   |   |                                                                            |   |   |   |          |  |  |  |                                           |  |  |  |  |  |
| CHEMTECH SAMPLE ID                                                                                     |   |                           |   | PROJECT SAMPLE IDENTIFICATION                                                               |   |   |   | SAMPLE MATRIX                                                                                                                                                                                                                                                                               |  | SAMPLE TYPE                                                                     |  | SAMPLE COLLECTION |  | # of Bottles |  | PRESERVATIVES |   |   |   |                                                                            |   |   |   | COMMENTS |  |  |  |                                           |  |  |  |  |  |
|                                                                                                        |   |                           |   |                                                                                             |   |   |   |                                                                                                                                                                                                                                                                                             |  | COMP                                                                            |  | GRAB              |  | DATE         |  | TIME          |   |   |   | A                                                                          |   |   |   |          |  |  |  | Specify Preservatives                     |  |  |  |  |  |
|                                                                                                        |   |                           |   |                                                                                             |   |   |   |                                                                                                                                                                                                                                                                                             |  |                                                                                 |  |                   |  |              |  |               |   |   |   | 1 2 3 4 5 6 7 8 9                                                          |   |   |   |          |  |  |  | A-HCl B-HNO3 C-H2SO4 D-NaOH E-ICE F-Other |  |  |  |  |  |
| 1.                                                                                                     |   |                           |   | BP-VPB-182-TB-20250530                                                                      |   |   |   | QA                                                                                                                                                                                                                                                                                          |  |                                                                                 |  | X                 |  | 5/30/25      |  | 9:00          |   | 2 |   | 2                                                                          |   |   |   |          |  |  |  | Trip Blank                                |  |  |  |  |  |
| 2.                                                                                                     |   |                           |   | BP-VPB-182-GW-670-672                                                                       |   |   |   | AQ                                                                                                                                                                                                                                                                                          |  |                                                                                 |  | X                 |  | 5/30/25      |  | 10:08         |   | 3 |   | 3                                                                          |   |   |   |          |  |  |  |                                           |  |  |  |  |  |
| 3.                                                                                                     |   |                           |   | BP-VPB-182-GW-680-682                                                                       |   |   |   | AQ                                                                                                                                                                                                                                                                                          |  |                                                                                 |  | X                 |  | 5/30/25      |  | 12:30         |   | 3 |   | 2 1                                                                        |   |   |   |          |  |  |  | 8260B MS/MSD                              |  |  |  |  |  |
| 4.                                                                                                     |   |                           |   | BP-VPB-182-GW-705-707                                                                       |   |   |   | AQ                                                                                                                                                                                                                                                                                          |  |                                                                                 |  | X                 |  | 6/2/25       |  | 12:38         |   | 2 |   | 2                                                                          |   |   |   |          |  |  |  |                                           |  |  |  |  |  |
| 5.                                                                                                     |   |                           |   | BP-VPB-182-GW-720-722                                                                       |   |   |   | AQ                                                                                                                                                                                                                                                                                          |  |                                                                                 |  | X                 |  | 6/2/25       |  | 14:40         |   | 3 |   | 2 1                                                                        |   |   |   |          |  |  |  |                                           |  |  |  |  |  |
| 6.                                                                                                     |   |                           |   | BP-VPB-182-DUP-20250602                                                                     |   |   |   | QA                                                                                                                                                                                                                                                                                          |  |                                                                                 |  | X                 |  | 6/2/25       |  | 12:00         |   | 2 |   | 2                                                                          |   |   |   |          |  |  |  | 8260B Duplicate                           |  |  |  |  |  |
| 7.                                                                                                     |   |                           |   | VPB182-HYD-20250530                                                                         |   |   |   | QA                                                                                                                                                                                                                                                                                          |  |                                                                                 |  | X                 |  | 5/30/25      |  | 13:00         |   | 5 |   | 2 1 2                                                                      |   |   |   |          |  |  |  | Hydrant Sample                            |  |  |  |  |  |
| 8.                                                                                                     |   |                           |   |                                                                                             |   |   |   |                                                                                                                                                                                                                                                                                             |  |                                                                                 |  |                   |  |              |  |               |   |   |   |                                                                            |   |   |   |          |  |  |  |                                           |  |  |  |  |  |
| 9.                                                                                                     |   |                           |   |                                                                                             |   |   |   |                                                                                                                                                                                                                                                                                             |  |                                                                                 |  |                   |  |              |  |               |   |   |   |                                                                            |   |   |   |          |  |  |  |                                           |  |  |  |  |  |
| 10.                                                                                                    |   |                           |   |                                                                                             |   |   |   |                                                                                                                                                                                                                                                                                             |  |                                                                                 |  |                   |  |              |  |               |   |   |   |                                                                            |   |   |   |          |  |  |  |                                           |  |  |  |  |  |
| SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY |   |                           |   |                                                                                             |   |   |   |                                                                                                                                                                                                                                                                                             |  |                                                                                 |  |                   |  |              |  |               |   |   |   |                                                                            |   |   |   |          |  |  |  |                                           |  |  |  |  |  |
| RELINQUISHED BY SAMPLER                                                                                |   |                           |   | DATE/TIME                                                                                   |   |   |   | RECEIVED BY                                                                                                                                                                                                                                                                                 |  |                                                                                 |  |                   |  |              |  |               |   |   |   |                                                                            |   |   |   |          |  |  |  |                                           |  |  |  |  |  |
| 1. [Signature]                                                                                         |   |                           |   | 6/2/25 1545                                                                                 |   |   |   | [Signature] 1555                                                                                                                                                                                                                                                                            |  |                                                                                 |  | 6-2-25            |  |              |  |               |   |   |   |                                                                            |   |   |   |          |  |  |  |                                           |  |  |  |  |  |
| RELINQUISHED BY                                                                                        |   |                           |   | DATE/TIME                                                                                   |   |   |   | RECEIVED BY                                                                                                                                                                                                                                                                                 |  |                                                                                 |  |                   |  |              |  |               |   |   |   |                                                                            |   |   |   |          |  |  |  |                                           |  |  |  |  |  |
| 2.                                                                                                     |   |                           |   |                                                                                             |   |   |   | 2.                                                                                                                                                                                                                                                                                          |  |                                                                                 |  |                   |  |              |  |               |   |   |   |                                                                            |   |   |   |          |  |  |  |                                           |  |  |  |  |  |
| RELINQUISHED BY                                                                                        |   |                           |   | DATE/TIME                                                                                   |   |   |   | RECEIVED FOR LAB BY                                                                                                                                                                                                                                                                         |  |                                                                                 |  |                   |  |              |  |               |   |   |   |                                                                            |   |   |   |          |  |  |  |                                           |  |  |  |  |  |
| 3. [Signature]                                                                                         |   |                           |   | 6-2-25 1850                                                                                 |   |   |   | 3.                                                                                                                                                                                                                                                                                          |  |                                                                                 |  |                   |  |              |  |               |   |   |   |                                                                            |   |   |   |          |  |  |  |                                           |  |  |  |  |  |
| SHIPPED VIA: CLIENT: <input type="checkbox"/> Hand Delivered <input type="checkbox"/> Overnight        |   |                           |   |                                                                                             |   |   |   |                                                                                                                                                                                                                                                                                             |  | CHEMTECH: <input type="checkbox"/> Picked Up <input type="checkbox"/> Overnight |  |                   |  |              |  |               |   |   |   | Shipment Complete <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       |

## LOGIN REPORT/SAMPLE TRANSFER

|                                            |               |                                                |                              |
|--------------------------------------------|---------------|------------------------------------------------|------------------------------|
| <b>Order ID :</b> Q2186                    | <b>TETR06</b> | <b>Order Date :</b> 6/2/2025 4:04:00 PM        | <b>Project Mgr :</b>         |
| <b>Client Name :</b> Tetra Tech NUS, Inc.  |               | <b>Project Name :</b> NWIRP Bethpage 112G080   | <b>Report Type :</b> Level 4 |
| <b>Client Contact :</b> Ernie Wu           |               | <b>Receive DateTime :</b> 6/2/2025 12:00:00 AM | <b>EDD Type :</b> ADAPT      |
| <b>Invoice Name :</b> Tetra Tech NUS, Inc. |               | <b>Purchase Order :</b> 18:50                  | <b>Hard Copy Date :</b>      |
| <b>Invoice Contact :</b> Ernie Wu          |               |                                                | <b>Date Signoff :</b>        |

| LAB ID   | CLIENT ID               | MATRIX | SAMPLE DATE | SAMPLE TIME | TEST         | TEST GROUP | METHOD   | FAX DATE    | DUE DATES |
|----------|-------------------------|--------|-------------|-------------|--------------|------------|----------|-------------|-----------|
| Q2186-01 | BP-VPB-182-TB-20250530  | Water  | 05/30/2025  | 09:00       |              |            |          |             |           |
|          |                         |        |             |             | VOCMS Group1 |            | 8260-Low | 5 Bus. Days |           |
| Q2186-02 | BP-VPB-182-GW-670-672   | Water  | 05/30/2025  | 10:08       |              |            |          |             |           |
|          |                         |        |             |             | VOCMS Group1 |            | 8260-Low | 5 Bus. Days |           |
| Q2186-03 | BP-VPB-182-GW-680-682   | Water  | 05/30/2025  | 12:30       |              |            |          |             |           |
|          |                         |        |             |             | VOCMS Group1 |            | 8260-Low | 5 Bus. Days |           |
| Q2186-06 | BP-VPB-182-GW-705-707   | Water  | 06/02/2025  | 12:38       |              |            |          |             |           |
|          |                         |        |             |             | VOCMS Group1 |            | 8260-Low | 5 Bus. Days |           |
| Q2186-07 | BP-VPB-182-GW-720-722   | Water  | 06/02/2025  | 14:40       |              |            |          |             |           |
|          |                         |        |             |             | VOCMS Group1 |            | 8260-Low | 5 Bus. Days |           |
| Q2186-08 | BP-VPB-182-DUP-20250602 | Water  | 06/02/2025  | 12:00       |              |            |          |             |           |
|          |                         |        |             |             | VOCMS Group1 |            | 8260-Low | 5 Bus. Days |           |
| Q2186-09 | VPB182-HYD-20250530     | Water  | 05/30/2025  | 13:00       |              |            |          |             |           |
|          |                         |        |             |             | VOCMS Group1 |            | 8260-Low | 5 Bus. Days |           |



## LOGIN REPORT/SAMPLE TRANSFER

**Order ID :** Q2186 TETR06

**Order Date :** 6/2/2025 4:04:00 PM

**Project Mgr :**

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

**Project Name :** NWIRP Bethpage 112G080

**Report Type :** Level 4

**Client Contact :** Ernie Wu

**Receive DateTime :** 6/2/2025 ~~12:00:00~~ AM  
18:50

**EDD Type :** ADAPT

**Invoice Name :** Tetra Tech NUS, Inc.

**Purchase Order :**

**Hard Copy Date :**

**Invoice Contact :** Ernie Wu

**Date Signoff :**

| LAB ID | CLIENT ID | MATRIX | SAMPLE<br>DATE | SAMPLE<br>TIME | TEST | TEST GROUP | METHOD | FAX DATE | DUE<br>DATES |
|--------|-----------|--------|----------------|----------------|------|------------|--------|----------|--------------|
|--------|-----------|--------|----------------|----------------|------|------------|--------|----------|--------------|

**Relinquished By :** 

**Date / Time :** 6/3/25

**Received By :** 

**Date / Time :** 6/3/25

**Storage Area :** VOA Refridgerator Room

SAMPLES RECEIVED ON 6/2/25 @ 1850  
SAMPLES PLACED IN SM-REF-2 ON 6/2/25