

## **ANALYTICAL RESULTS SUMMARY**

METALS  
SEMI-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 : Q2064**

**ATTENTION : Ernie Wu**



**Laboratory Certification ID # 20012**



|                                       |     |   |
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## Cover Page

**Order ID :** Q2064

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

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

### Lab Sample Number

Q2064-01  
Q2064-02  
Q2064-03  
Q2064-04  
Q2064-05  
Q2064-06  
Q2064-07  
Q2064-08

### Client Sample Number

RW8-SP100-70-20250514  
RW8-SP201-70-20250514  
RW8-SP301-70-20250514  
RW8-SP303-70-20250514  
RW8-SP100-90-20250514  
RW8-SP201-90-20250514  
RW8-SP301-90-20250514  
RW8-SP303-90-20250514

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 :

**APPROVED**

*By Nimisha Pandya, QA/QC Supervisor at 1:51 pm, May 27, 2025*

Date: 5/24/2025

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 # Q2064**

**Test Name: SVOC-TCL BNA -20**

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

8 Water samples were received on 05/16/2025.

### **B. Parameters**

According to the Chain of Custody document, the following analyses were requested: Mercury, Metals ICP-TAL, METALS-TAL, SVOC-SIMGroup1 and SVOC-TCL BNA - 20. This data package contains results for SVOC-TCL BNA -20.

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

The samples were analyzed on instrument BNA\_P 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-TCL BNA -20 was based on method 8270E 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.

The Internal Standards Areas met the acceptable requirements.

The Retention Times were acceptable for all samples.

The RPD for {PB168048BSD} with File ID: BP024708.D met criteria except for 3,3-Dichlorobenzidine[22%], 3-Nitroaniline[34%] and 4-Chloroaniline[57%], due to difference in results of BS and BSD.

The Blank Spike for {PB168048BS} with File ID: BP024707.D met requirements for all samples except for 1,4-Dioxane[62%], is marginally biased low but there is no positive hit in any of the associated samples, therefore no Corrective action was taken.

The Blank Spike Duplicate for {PB168048BSD} with File ID: BP024708.D met requirements for all samples except for 1,4-Dioxane[63%], is marginally biased low but there is no positive hit in any of the associated samples, therefore no Corrective action was taken.

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





The % RSD is greater than 20% in the Initial Calibration (8270-BP051325.M) for 2,4-Dinitrophenol, 4-Nitrophenol these compound are passing on Linear Regression.  
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 datasummary forms (i.e. Form Is)."

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.

---

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**APPROVED**

*By Nimisha Pandya, QA/QC Supervisor at 1:51 pm, May 27, 2025*

Signature\_\_\_\_\_

## **CASE NARRATIVE**

**Tetra Tech NUS, Inc.**

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

**Project Manager# Ernie Wu**

**Order ID # Q2064**

**Test Name: SVOC-SIMGroup1**

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

8 Water samples were received on 05/16/2025.

### **B. Parameters**

According to the Chain of Custody document, the following analyses were requested: Mercury, Metals ICP-TAL, METALS-TAL, SVOC-SIMGroup1 and SVOC-TCL BNA - 20. 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.

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 datasummary forms (i.e. Form Is)."

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



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

2  
2.2

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.

**APPROVED**

*By Nimisha Pandya, QA/QC Supervisor at 1:51 pm, May 27, 2025*

Signature\_\_\_\_\_

## **CASE NARRATIVE**

**Tetra Tech NUS, Inc.**

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

**Project Manager : Ernie Wu**

**Order ID # Q2064**

**Test Name: Mercury, Metals ICP-TAL**

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

8 Water samples were received on 05/16/2025.

### **B. Parameters:**

According to the Chain of Custody document, the following analyses were requested: Mercury, Metals ICP-TAL, METALS-TAL, SVOC-SIMGroup1 and SVOC-TCL BNA - 20. This data package contains results for Mercury, Metals ICP-TAL.

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

The analysis of Metals ICP-TAL was based on method 6010D, digestion based on method 3010 (waters). The analysis and digestion of Mercury was based on method 7470A.

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

The Holding Times were met for all analysis.

The Blank Spike met requirements for all samples.

The Duplicate analysis met criteria for all samples.

The Matrix Spike (RW8-SP100-70-20250514MS) analysis met criteria for all samples except for Mercury due to sample Matrix interference. The Matrix Spike (TW-WTS-08MS) analysis met criteria for all samples except for Iron and Silver due to Chemical Interference during Digestion Process.

The Matrix Spike Duplicate (TW-WTS-08MSD) analysis met criteria for all samples except for Silver due to Chemical Interference during Digestion Process.

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

The Calibration met the requirements.

The Serial Dilution met the acceptable requirements.

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

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

The Post Digest Spike (TW-WTS-08A) analysis met criteria for all samples except for Iron due to unknown chemical interferences of matrix with the addition of spike amount after digestion and before analysis, matrix has suppression effect during addition of spike.

---



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Signature\_\_\_\_\_

**APPROVED**

*By Nimisha Pandya, QA/QC Supervisor at 1:51 pm, May 27, 2025*

## DATA REPORTING QUALIFIERS- INORGANIC

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

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

## 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 #: Q2064

Completed

For thorough review, the report must have the following:

#### GENERAL:

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

✓

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

✓

Is the chain of custody signed and complete

✓

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

✓

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

✓

#### COVER PAGE:

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

✓

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

✓

#### CHAIN OF CUSTODY:

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

✓

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

✓

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

✓

Were the samples received within hold time

✓

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

✓

#### ANALYTICAL:

Was method requirement followed?

✓

Was client requirement followed?

✓

Does the case narrative summarize all QC failure?

✓

All runlogs and manual integration are reviewed for requirements

✓

All manual calculations and /or hand notations verified

✓

QA Review Signature: SOHIL JODHANI

Date: 05/24/2025



## LAB CHRONICLE

|                 |                      |                   |                               |
|-----------------|----------------------|-------------------|-------------------------------|
| <b>OrderID:</b> | Q2064                | <b>OrderDate:</b> | 5/16/2025 10:39:00 AM         |
| <b>Client:</b>  | Tetra Tech NUS, Inc. | <b>Project:</b>   | NWIRP Bethpage 112G08005-WE13 |
| <b>Contact:</b> | Ernie Wu             | <b>Location:</b>  | L41                           |

| LabID    | ClientID                  | Matrix | Test             | Method        | Sample Date | Prep Date | Anal Date | Received |
|----------|---------------------------|--------|------------------|---------------|-------------|-----------|-----------|----------|
| Q2064-01 | RW8-SP100-70-20250<br>514 | Water  | SVOC-SIMGroup1   | 8270-Modified | 05/14/25    | 05/16/25  | 05/19/25  | 05/16/25 |
|          |                           |        | SVOC-TCL BNA -20 | 8270E         |             | 05/19/25  | 05/20/25  |          |
| Q2064-02 | RW8-SP201-70-20250<br>514 | Water  | SVOC-SIMGroup1   | 8270-Modified | 05/14/25    | 05/16/25  | 05/19/25  | 05/16/25 |
|          |                           |        |                  |               |             |           |           |          |
| Q2064-03 | RW8-SP301-70-20250<br>514 | Water  | SVOC-SIMGroup1   | 8270-Modified | 05/14/25    | 05/16/25  | 05/19/25  | 05/16/25 |
|          |                           |        |                  |               |             |           |           |          |
| Q2064-04 | RW8-SP303-70-20250<br>514 | Water  | SVOC-SIMGroup1   | 8270-Modified | 05/14/25    | 05/16/25  | 05/19/25  | 05/16/25 |
|          |                           |        | SVOC-TCL BNA -20 | 8270E         |             | 05/19/25  | 05/20/25  |          |
| Q2064-05 | RW8-SP100-90-20250<br>514 | Water  | SVOC-SIMGroup1   | 8270-Modified | 05/14/25    | 05/16/25  | 05/19/25  | 05/16/25 |
|          |                           |        | SVOC-TCL BNA -20 | 8270E         |             | 05/19/25  | 05/20/25  |          |
| Q2064-06 | RW8-SP201-90-20250<br>514 | Water  | SVOC-SIMGroup1   | 8270-Modified | 05/14/25    | 05/16/25  | 05/19/25  | 05/16/25 |
|          |                           |        |                  |               |             |           |           |          |
| Q2064-07 | RW8-SP301-90-20250<br>514 | Water  | SVOC-SIMGroup1   | 8270-Modified | 05/14/25    | 05/16/25  | 05/19/25  | 05/16/25 |
|          |                           |        |                  |               |             |           |           |          |
| Q2064-08 | RW8-SP303-90-20250<br>514 | Water  | SVOC-SIMGroup1   | 8270-Modified | 05/14/25    | 05/16/25  | 05/19/25  | 05/16/25 |
|          |                           |        |                  |               |             |           |           |          |

**LAB CHRONICLE**

|                  |       |          |          |
|------------------|-------|----------|----------|
| SVOC-TCL BNA -20 | 8270E | 05/19/25 | 05/20/25 |
|------------------|-------|----------|----------|

### Hit Summary Sheet SW-846

**SDG No.:** Q2064  
**Client:** Tetra Tech NUS, Inc.

| Sample ID                                | Client ID                   | Parameter                            | Concentration | C      | MDL          | LOD | RDL | Units |
|------------------------------------------|-----------------------------|--------------------------------------|---------------|--------|--------------|-----|-----|-------|
| <b>Client ID : RW8-SP303-70-20250514</b> |                             |                                      |               |        |              |     |     |       |
| Q2064-04                                 | RW8-SP303-70-20250514 WATER | Bis(2-ethylhexyl)phthalate           | 2.100         | J      | 1.6          | 4   | 5   | ug/L  |
|                                          |                             | <b>Total Svoc :</b>                  |               |        | <b>2.10</b>  |     |     |       |
| Q2064-04                                 | RW8-SP303-70-20250514 WATER | Benzophenone                         | *             | 4.200  | J            | 0   | 0   | ug/L  |
| Q2064-04                                 | RW8-SP303-70-20250514 WATER | n-Hexadecanoic acid                  | *             | 2.400  | J            | 0   | 0   | ug/L  |
|                                          |                             | <b>Total Tics :</b>                  |               |        | <b>6.60</b>  |     |     |       |
|                                          |                             | <b>Total Concentration:</b>          |               |        | <b>8.70</b>  |     |     |       |
| <b>Client ID : RW8-SP100-90-20250514</b> |                             |                                      |               |        |              |     |     |       |
| Q2064-05                                 | RW8-SP100-90-20250514 WATER | 2-Propenoic acid, 2-methyl-, 3,3,5 * | 3.300         | J      | 0            |     | 0   | ug/L  |
| Q2064-05                                 | RW8-SP100-90-20250514 WATER | Benzoic acid, p-tert-butyl-          | *             | 6.900  | J            | 0   | 0   | ug/L  |
| Q2064-05                                 | RW8-SP100-90-20250514 WATER | Benzophenone                         | *             | 3.200  | J            | 0   | 0   | ug/L  |
| Q2064-05                                 | RW8-SP100-90-20250514 WATER | Docosane                             | *             | 4.000  | J            | 0   | 0   | ug/L  |
| Q2064-05                                 | RW8-SP100-90-20250514 WATER | Hexanoic acid, 2-ethyl-              | *             | 24.700 | J            | 0   | 0   | ug/L  |
| Q2064-05                                 | RW8-SP100-90-20250514 WATER | n-Hexadecanoic acid                  | *             | 2.400  | J            | 0   | 0   | ug/L  |
| Q2064-05                                 | RW8-SP100-90-20250514 WATER | Benzoic acid                         | *             | 14.600 | J            | 4.2 | 10  | ug/L  |
|                                          |                             | <b>Total Tics :</b>                  |               |        | <b>59.10</b> |     |     |       |
|                                          |                             | <b>Total Concentration:</b>          |               |        | <b>59.10</b> |     |     |       |
| <b>Client ID : RW8-SP303-90-20250514</b> |                             |                                      |               |        |              |     |     |       |
| Q2064-08                                 | RW8-SP303-90-20250514 WATER | Benzophenone                         | *             | 3.100  | J            | 0   | 0   | ug/L  |
| Q2064-08                                 | RW8-SP303-90-20250514 WATER | n-Hexadecanoic acid                  | *             | 2.700  | J            | 0   | 0   | ug/L  |
|                                          |                             | <b>Total Tics :</b>                  |               |        | <b>5.80</b>  |     |     |       |
|                                          |                             | <b>Total Concentration:</b>          |               |        | <b>5.80</b>  |     |     |       |



# SAMPLE DATA

## Report of Analysis

|                    |                               |                  |                 |                  |      |
|--------------------|-------------------------------|------------------|-----------------|------------------|------|
| Client:            | Tetra Tech NUS, Inc.          |                  | Date Collected: | 05/14/25         |      |
| Project:           | NWIRP Bethpage 112G08005-WE13 |                  | Date Received:  | 05/16/25         |      |
| Client Sample ID:  | RW8-SP100-70-20250514         |                  | SDG No.:        | Q2064            |      |
| Lab Sample ID:     | Q2064-01                      |                  | Matrix:         | Water            |      |
| Analytical Method: | 8270E                         |                  | % Solid:        | 0                |      |
| Sample Wt/Vol:     | 1000                          | Units: mL        | Final Vol:      | 1000             | uL   |
| Soil Aliquot Vol:  |                               | uL               | Test:           | SVOC-TCL BNA -20 |      |
| Extraction Type :  |                               | Decanted : N     | Level :         | LOW              |      |
| Injection Volume : |                               | GPC Factor : 1.0 | GPC Cleanup :   | N                | PH : |
| Prep Method :      | SW3510C                       |                  |                 |                  |      |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| BP024712.D        | 1         | 05/19/25 08:42 | 05/20/25 17:59 | PB168048      |

| CAS Number     | Parameter                   | Conc. | Qualifier | MDL  | LOD  | LOQ / CRQL | Units |
|----------------|-----------------------------|-------|-----------|------|------|------------|-------|
| <b>TARGETS</b> |                             |       |           |      |      |            |       |
| 100-52-7       | Benzaldehyde                | 8.00  | U         | 3.90 | 8.00 | 10.0       | ug/L  |
| 108-95-2       | Phenol                      | 4.00  | U         | 0.91 | 4.00 | 5.00       | ug/L  |
| 111-44-4       | bis(2-Chloroethyl)ether     | 4.00  | U         | 0.81 | 4.00 | 5.00       | ug/L  |
| 95-57-8        | 2-Chlorophenol              | 4.00  | U         | 0.58 | 4.00 | 5.00       | ug/L  |
| 95-48-7        | 2-Methylphenol              | 4.00  | U         | 1.10 | 4.00 | 5.00       | ug/L  |
| 108-60-1       | 2,2-oxybis(1-Chloropropane) | 4.00  | U         | 1.30 | 4.00 | 5.00       | ug/L  |
| 98-86-2        | Acetophenone                | 4.00  | U         | 0.74 | 4.00 | 5.00       | ug/L  |
| 65794-96-9     | 3+4-Methylphenols           | 8.00  | U         | 1.10 | 8.00 | 10.0       | ug/L  |
| 621-64-7       | n-Nitroso-di-n-propylamine  | 2.50  | U         | 1.40 | 2.50 | 2.50       | ug/L  |
| 67-72-1        | Hexachloroethane            | 4.00  | U         | 0.65 | 4.00 | 5.00       | ug/L  |
| 98-95-3        | Nitrobenzene                | 4.00  | U         | 0.76 | 4.00 | 5.00       | ug/L  |
| 78-59-1        | Isophorone                  | 4.00  | U         | 0.75 | 4.00 | 5.00       | ug/L  |
| 88-75-5        | 2-Nitrophenol               | 4.00  | U         | 1.80 | 4.00 | 5.00       | ug/L  |
| 105-67-9       | 2,4-Dimethylphenol          | 4.00  | U         | 1.90 | 4.00 | 5.00       | ug/L  |
| 111-91-1       | bis(2-Chloroethoxy)methane  | 4.00  | U         | 0.68 | 4.00 | 5.00       | ug/L  |
| 120-83-2       | 2,4-Dichlorophenol          | 4.00  | U         | 0.52 | 4.00 | 5.00       | ug/L  |
| 91-20-3        | Naphthalene                 | 4.00  | U         | 0.50 | 4.00 | 5.00       | ug/L  |
| 106-47-8       | 4-Chloroaniline             | 4.00  | U         | 0.84 | 4.00 | 5.00       | ug/L  |
| 87-68-3        | Hexachlorobutadiene         | 4.00  | U         | 0.54 | 4.00 | 5.00       | ug/L  |
| 105-60-2       | Caprolactam                 | 8.00  | U         | 1.10 | 8.00 | 10.0       | ug/L  |
| 59-50-7        | 4-Chloro-3-methylphenol     | 4.00  | U         | 0.59 | 4.00 | 5.00       | ug/L  |
| 91-57-6        | 2-Methylnaphthalene         | 4.00  | U         | 0.56 | 4.00 | 5.00       | ug/L  |
| 77-47-4        | Hexachlorocyclopentadiene   | 8.00  | U         | 3.60 | 8.00 | 10.0       | ug/L  |
| 88-06-2        | 2,4,6-Trichlorophenol       | 4.00  | U         | 0.51 | 4.00 | 5.00       | ug/L  |
| 95-95-4        | 2,4,5-Trichlorophenol       | 4.00  | U         | 0.62 | 4.00 | 5.00       | ug/L  |
| 92-52-4        | 1,1-Biphenyl                | 4.00  | U         | 0.53 | 4.00 | 5.00       | ug/L  |
| 91-58-7        | 2-Chloronaphthalene         | 4.00  | U         | 0.61 | 4.00 | 5.00       | ug/L  |
| 88-74-4        | 2-Nitroaniline              | 4.00  | U         | 1.30 | 4.00 | 5.00       | ug/L  |
| 131-11-3       | Dimethylphthalate           | 4.00  | U         | 0.61 | 4.00 | 5.00       | ug/L  |

## Report of Analysis

|                    |                               |                  |                 |                  |
|--------------------|-------------------------------|------------------|-----------------|------------------|
| Client:            | Tetra Tech NUS, Inc.          |                  | Date Collected: | 05/14/25         |
| Project:           | NWIRP Bethpage 112G08005-WE13 |                  | Date Received:  | 05/16/25         |
| Client Sample ID:  | RW8-SP100-70-20250514         |                  | SDG No.:        | Q2064            |
| Lab Sample ID:     | Q2064-01                      |                  | Matrix:         | Water            |
| Analytical Method: | 8270E                         |                  | % Solid:        | 0                |
| Sample Wt/Vol:     | 1000                          | Units: mL        | Final Vol:      | 1000 uL          |
| Soil Aliquot Vol:  |                               | uL               | Test:           | SVOC-TCL BNA -20 |
| Extraction Type :  |                               | Decanted : N     | Level :         | LOW              |
| Injection Volume : |                               | GPC Factor : 1.0 | GPC Cleanup :   | N PH :           |
| Prep Method :      | SW3510C                       |                  |                 |                  |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| BP024712.D        | 1         | 05/19/25 08:42 | 05/20/25 17:59 | PB168048      |

| CAS Number | Parameter                  | Conc. | Qualifier | MDL  | LOD  | LOQ / CRQL | Units |
|------------|----------------------------|-------|-----------|------|------|------------|-------|
| 208-96-8   | Acenaphthylene             | 4.00  | U         | 0.75 | 4.00 | 5.00       | ug/L  |
| 606-20-2   | 2,6-Dinitrotoluene         | 4.00  | U         | 0.92 | 4.00 | 5.00       | ug/L  |
| 99-09-2    | 3-Nitroaniline             | 4.00  | U         | 1.10 | 4.00 | 5.00       | ug/L  |
| 83-32-9    | Acenaphthene               | 4.00  | U         | 0.55 | 4.00 | 5.00       | ug/L  |
| 51-28-5    | 2,4-Dinitrophenol          | 8.00  | U         | 6.00 | 8.00 | 10.0       | ug/L  |
| 100-02-7   | 4-Nitrophenol              | 8.00  | U         | 2.40 | 8.00 | 10.0       | ug/L  |
| 132-64-9   | Dibenzofuran               | 4.00  | U         | 0.61 | 4.00 | 5.00       | ug/L  |
| 121-14-2   | 2,4-Dinitrotoluene         | 4.00  | U         | 1.20 | 4.00 | 5.00       | ug/L  |
| 84-66-2    | Diethylphthalate           | 4.00  | U         | 0.69 | 4.00 | 5.00       | ug/L  |
| 7005-72-3  | 4-Chlorophenyl-phenylether | 4.00  | U         | 0.68 | 4.00 | 5.00       | ug/L  |
| 86-73-7    | Fluorene                   | 4.00  | U         | 0.63 | 4.00 | 5.00       | ug/L  |
| 100-01-6   | 4-Nitroaniline             | 4.00  | U         | 1.50 | 4.00 | 5.00       | ug/L  |
| 534-52-1   | 4,6-Dinitro-2-methylphenol | 8.00  | U         | 2.90 | 8.00 | 10.0       | ug/L  |
| 86-30-6    | n-Nitrosodiphenylamine     | 4.00  | U         | 0.58 | 4.00 | 5.00       | ug/L  |
| 101-55-3   | 4-Bromophenyl-phenylether  | 4.00  | U         | 0.40 | 4.00 | 5.00       | ug/L  |
| 118-74-1   | Hexachlorobenzene          | 4.00  | U         | 0.52 | 4.00 | 5.00       | ug/L  |
| 1912-24-9  | Atrazine                   | 4.00  | U         | 1.00 | 4.00 | 5.00       | ug/L  |
| 87-86-5    | Pentachlorophenol          | 8.00  | U         | 1.60 | 8.00 | 10.0       | ug/L  |
| 85-01-8    | Phenanthrene               | 4.00  | U         | 0.50 | 4.00 | 5.00       | ug/L  |
| 120-12-7   | Anthracene                 | 4.00  | U         | 0.61 | 4.00 | 5.00       | ug/L  |
| 86-74-8    | Carbazole                  | 4.00  | U         | 0.72 | 4.00 | 5.00       | ug/L  |
| 84-74-2    | Di-n-butylphthalate        | 4.00  | U         | 1.20 | 4.00 | 5.00       | ug/L  |
| 206-44-0   | Fluoranthene               | 4.00  | U         | 0.82 | 4.00 | 5.00       | ug/L  |
| 129-00-0   | Pyrene                     | 4.00  | U         | 0.50 | 4.00 | 5.00       | ug/L  |
| 85-68-7    | Butylbenzylphthalate       | 4.00  | U         | 1.90 | 4.00 | 5.00       | ug/L  |
| 91-94-1    | 3,3-Dichlorobenzidine      | 8.00  | U         | 0.93 | 8.00 | 10.0       | ug/L  |
| 56-55-3    | Benzo(a)anthracene         | 4.00  | U         | 0.45 | 4.00 | 5.00       | ug/L  |
| 218-01-9   | Chrysene                   | 4.00  | U         | 0.44 | 4.00 | 5.00       | ug/L  |
| 117-81-7   | Bis(2-ethylhexyl)phthalate | 4.00  | U         | 1.60 | 4.00 | 5.00       | ug/L  |
| 117-84-0   | Di-n-octyl phthalate       | 8.00  | U         | 2.30 | 8.00 | 10.0       | ug/L  |
| 205-99-2   | Benzo(b)fluoranthene       | 4.00  | U         | 0.49 | 4.00 | 5.00       | ug/L  |

## Report of Analysis

|                    |                               |                  |                 |                  |
|--------------------|-------------------------------|------------------|-----------------|------------------|
| Client:            | Tetra Tech NUS, Inc.          |                  | Date Collected: | 05/14/25         |
| Project:           | NWIRP Bethpage 112G08005-WE13 |                  | Date Received:  | 05/16/25         |
| Client Sample ID:  | RW8-SP100-70-20250514         |                  | SDG No.:        | Q2064            |
| Lab Sample ID:     | Q2064-01                      |                  | Matrix:         | Water            |
| Analytical Method: | 8270E                         |                  | % Solid:        | 0                |
| Sample Wt/Vol:     | 1000                          | Units: mL        | Final Vol:      | 1000 uL          |
| Soil Aliquot Vol:  |                               | uL               | Test:           | SVOC-TCL BNA -20 |
| Extraction Type :  |                               | Decanted : N     | Level :         | LOW              |
| Injection Volume : |                               | GPC Factor : 1.0 | GPC Cleanup :   | N PH :           |
| Prep Method :      | SW3510C                       |                  |                 |                  |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| BP024712.D        | 1         | 05/19/25 08:42 | 05/20/25 17:59 | PB168048      |

| CAS Number                | Parameter                  | Conc.  | Qualifier | MDL      | LOD  | LOQ / CRQL | Units    |
|---------------------------|----------------------------|--------|-----------|----------|------|------------|----------|
| 207-08-9                  | Benzo(k)fluoranthene       | 4.00   | U         | 0.48     | 4.00 | 5.00       | ug/L     |
| 50-32-8                   | Benzo(a)pyrene             | 4.00   | U         | 0.55     | 4.00 | 5.00       | ug/L     |
| 193-39-5                  | Indeno(1,2,3-cd)pyrene     | 4.00   | U         | 0.59     | 4.00 | 5.00       | ug/L     |
| 53-70-3                   | Dibenzo(a,h)anthracene     | 4.00   | U         | 0.67     | 4.00 | 5.00       | ug/L     |
| 191-24-2                  | Benzo(g,h,i)perylene       | 4.00   | U         | 0.69     | 4.00 | 5.00       | ug/L     |
| 95-94-3                   | 1,2,4,5-Tetrachlorobenzene | 4.00   | U         | 0.52     | 4.00 | 5.00       | ug/L     |
| 123-91-1                  | 1,4-Dioxane                | 4.00   | UQ        | 1.00     | 4.00 | 5.00       | ug/L     |
| 58-90-2                   | 2,3,4,6-Tetrachlorophenol  | 4.00   | U         | 0.72     | 4.00 | 5.00       | ug/L     |
| <b>SURROGATES</b>         |                            |        |           |          |      |            |          |
| 367-12-4                  | 2-Fluorophenol             | 48.9   |           | 19 - 119 |      | 33%        | SPK: 150 |
| 13127-88-3                | Phenol-d6                  | 25.8   |           | 10 - 130 |      | 17%        | SPK: 150 |
| 4165-60-0                 | Nitrobenzene-d5            | 68.6   |           | 44 - 120 |      | 69%        | SPK: 100 |
| 321-60-8                  | 2-Fluorobiphenyl           | 71.1   |           | 44 - 119 |      | 71%        | SPK: 100 |
| 118-79-6                  | 2,4,6-Tribromophenol       | 149    |           | 43 - 140 |      | 100%       | SPK: 150 |
| 1718-51-0                 | Terphenyl-d14              | 83.3   |           | 50 - 134 |      | 83%        | SPK: 100 |
| <b>INTERNAL STANDARDS</b> |                            |        |           |          |      |            |          |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4     | 111000 | 7.657     |          |      |            |          |
| 1146-65-2                 | Naphthalene-d8             | 420000 | 10.428    |          |      |            |          |
| 15067-26-2                | Acenaphthene-d10           | 277000 | 14.286    |          |      |            |          |
| 1517-22-2                 | Phenanthrene-d10           | 582000 | 17.086    |          |      |            |          |
| 1719-03-5                 | Chrysene-d12               | 659000 | 21.521    |          |      |            |          |
| 1520-96-3                 | Perylene-d12               | 738000 | 24.803    |          |      |            |          |

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: | 05/14/25         |      |
| Project:           | NWIRP Bethpage 112G08005-WE13 |                  | Date Received:  | 05/16/25         |      |
| Client Sample ID:  | RW8-SP303-70-20250514         |                  | SDG No.:        | Q2064            |      |
| Lab Sample ID:     | Q2064-04                      |                  | Matrix:         | Water            |      |
| Analytical Method: | 8270E                         |                  | % Solid:        | 0                |      |
| Sample Wt/Vol:     | 1000                          | Units: mL        | Final Vol:      | 1000             | uL   |
| Soil Aliquot Vol:  |                               | uL               | Test:           | SVOC-TCL BNA -20 |      |
| Extraction Type :  |                               | Decanted : N     | Level :         | LOW              |      |
| Injection Volume : |                               | GPC Factor : 1.0 | GPC Cleanup :   | N                | PH : |
| Prep Method :      | SW3510C                       |                  |                 |                  |      |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| BP024713.D        | 1         | 05/19/25 08:42 | 05/20/25 18:40 | PB168048      |

| CAS Number     | Parameter                   | Conc. | Qualifier | MDL  | LOD  | LOQ / CRQL | Units |
|----------------|-----------------------------|-------|-----------|------|------|------------|-------|
| <b>TARGETS</b> |                             |       |           |      |      |            |       |
| 100-52-7       | Benzaldehyde                | 8.00  | U         | 3.90 | 8.00 | 10.0       | ug/L  |
| 108-95-2       | Phenol                      | 4.00  | U         | 0.91 | 4.00 | 5.00       | ug/L  |
| 111-44-4       | bis(2-Chloroethyl)ether     | 4.00  | U         | 0.81 | 4.00 | 5.00       | ug/L  |
| 95-57-8        | 2-Chlorophenol              | 4.00  | U         | 0.58 | 4.00 | 5.00       | ug/L  |
| 95-48-7        | 2-Methylphenol              | 4.00  | U         | 1.10 | 4.00 | 5.00       | ug/L  |
| 108-60-1       | 2,2-oxybis(1-Chloropropane) | 4.00  | U         | 1.30 | 4.00 | 5.00       | ug/L  |
| 98-86-2        | Acetophenone                | 4.00  | U         | 0.74 | 4.00 | 5.00       | ug/L  |
| 65794-96-9     | 3+4-Methylphenols           | 8.00  | U         | 1.10 | 8.00 | 10.0       | ug/L  |
| 621-64-7       | n-Nitroso-di-n-propylamine  | 2.50  | U         | 1.40 | 2.50 | 2.50       | ug/L  |
| 67-72-1        | Hexachloroethane            | 4.00  | U         | 0.65 | 4.00 | 5.00       | ug/L  |
| 98-95-3        | Nitrobenzene                | 4.00  | U         | 0.76 | 4.00 | 5.00       | ug/L  |
| 78-59-1        | Isophorone                  | 4.00  | U         | 0.75 | 4.00 | 5.00       | ug/L  |
| 88-75-5        | 2-Nitrophenol               | 4.00  | U         | 1.80 | 4.00 | 5.00       | ug/L  |
| 105-67-9       | 2,4-Dimethylphenol          | 4.00  | U         | 1.90 | 4.00 | 5.00       | ug/L  |
| 111-91-1       | bis(2-Chloroethoxy)methane  | 4.00  | U         | 0.68 | 4.00 | 5.00       | ug/L  |
| 120-83-2       | 2,4-Dichlorophenol          | 4.00  | U         | 0.52 | 4.00 | 5.00       | ug/L  |
| 91-20-3        | Naphthalene                 | 4.00  | U         | 0.50 | 4.00 | 5.00       | ug/L  |
| 106-47-8       | 4-Chloroaniline             | 4.00  | U         | 0.84 | 4.00 | 5.00       | ug/L  |
| 87-68-3        | Hexachlorobutadiene         | 4.00  | U         | 0.54 | 4.00 | 5.00       | ug/L  |
| 105-60-2       | Caprolactam                 | 8.00  | U         | 1.10 | 8.00 | 10.0       | ug/L  |
| 59-50-7        | 4-Chloro-3-methylphenol     | 4.00  | U         | 0.59 | 4.00 | 5.00       | ug/L  |
| 91-57-6        | 2-Methylnaphthalene         | 4.00  | U         | 0.56 | 4.00 | 5.00       | ug/L  |
| 77-47-4        | Hexachlorocyclopentadiene   | 8.00  | U         | 3.60 | 8.00 | 10.0       | ug/L  |
| 88-06-2        | 2,4,6-Trichlorophenol       | 4.00  | U         | 0.51 | 4.00 | 5.00       | ug/L  |
| 95-95-4        | 2,4,5-Trichlorophenol       | 4.00  | U         | 0.62 | 4.00 | 5.00       | ug/L  |
| 92-52-4        | 1,1-Biphenyl                | 4.00  | U         | 0.53 | 4.00 | 5.00       | ug/L  |
| 91-58-7        | 2-Chloronaphthalene         | 4.00  | U         | 0.61 | 4.00 | 5.00       | ug/L  |
| 88-74-4        | 2-Nitroaniline              | 4.00  | U         | 1.30 | 4.00 | 5.00       | ug/L  |
| 131-11-3       | Dimethylphthalate           | 4.00  | U         | 0.61 | 4.00 | 5.00       | ug/L  |



## Report of Analysis

|                    |                               |                  |                 |                  |
|--------------------|-------------------------------|------------------|-----------------|------------------|
| Client:            | Tetra Tech NUS, Inc.          |                  | Date Collected: | 05/14/25         |
| Project:           | NWIRP Bethpage 112G08005-WE13 |                  | Date Received:  | 05/16/25         |
| Client Sample ID:  | RW8-SP303-70-20250514         |                  | SDG No.:        | Q2064            |
| Lab Sample ID:     | Q2064-04                      |                  | Matrix:         | Water            |
| Analytical Method: | 8270E                         |                  | % Solid:        | 0                |
| Sample Wt/Vol:     | 1000                          | Units: mL        | Final Vol:      | 1000 uL          |
| Soil Aliquot Vol:  |                               | uL               | Test:           | SVOC-TCL BNA -20 |
| Extraction Type :  |                               | Decanted : N     | Level :         | LOW              |
| Injection Volume : |                               | GPC Factor : 1.0 | GPC Cleanup :   | N PH :           |
| Prep Method :      | SW3510C                       |                  |                 |                  |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| BP024713.D        | 1         | 05/19/25 08:42 | 05/20/25 18:40 | PB168048      |

| CAS Number | Parameter                  | Conc. | Qualifier | MDL  | LOD  | LOQ / CRQL | Units |
|------------|----------------------------|-------|-----------|------|------|------------|-------|
| 208-96-8   | Acenaphthylene             | 4.00  | U         | 0.75 | 4.00 | 5.00       | ug/L  |
| 606-20-2   | 2,6-Dinitrotoluene         | 4.00  | U         | 0.92 | 4.00 | 5.00       | ug/L  |
| 99-09-2    | 3-Nitroaniline             | 4.00  | U         | 1.10 | 4.00 | 5.00       | ug/L  |
| 83-32-9    | Acenaphthene               | 4.00  | U         | 0.55 | 4.00 | 5.00       | ug/L  |
| 51-28-5    | 2,4-Dinitrophenol          | 8.00  | U         | 6.00 | 8.00 | 10.0       | ug/L  |
| 100-02-7   | 4-Nitrophenol              | 8.00  | U         | 2.40 | 8.00 | 10.0       | ug/L  |
| 132-64-9   | Dibenzofuran               | 4.00  | U         | 0.61 | 4.00 | 5.00       | ug/L  |
| 121-14-2   | 2,4-Dinitrotoluene         | 4.00  | U         | 1.20 | 4.00 | 5.00       | ug/L  |
| 84-66-2    | Diethylphthalate           | 4.00  | U         | 0.69 | 4.00 | 5.00       | ug/L  |
| 7005-72-3  | 4-Chlorophenyl-phenylether | 4.00  | U         | 0.68 | 4.00 | 5.00       | ug/L  |
| 86-73-7    | Fluorene                   | 4.00  | U         | 0.63 | 4.00 | 5.00       | ug/L  |
| 100-01-6   | 4-Nitroaniline             | 4.00  | U         | 1.50 | 4.00 | 5.00       | ug/L  |
| 534-52-1   | 4,6-Dinitro-2-methylphenol | 8.00  | U         | 2.90 | 8.00 | 10.0       | ug/L  |
| 86-30-6    | n-Nitrosodiphenylamine     | 4.00  | U         | 0.58 | 4.00 | 5.00       | ug/L  |
| 101-55-3   | 4-Bromophenyl-phenylether  | 4.00  | U         | 0.40 | 4.00 | 5.00       | ug/L  |
| 118-74-1   | Hexachlorobenzene          | 4.00  | U         | 0.52 | 4.00 | 5.00       | ug/L  |
| 1912-24-9  | Atrazine                   | 4.00  | U         | 1.00 | 4.00 | 5.00       | ug/L  |
| 87-86-5    | Pentachlorophenol          | 8.00  | U         | 1.60 | 8.00 | 10.0       | ug/L  |
| 85-01-8    | Phenanthrene               | 4.00  | U         | 0.50 | 4.00 | 5.00       | ug/L  |
| 120-12-7   | Anthracene                 | 4.00  | U         | 0.61 | 4.00 | 5.00       | ug/L  |
| 86-74-8    | Carbazole                  | 4.00  | U         | 0.72 | 4.00 | 5.00       | ug/L  |
| 84-74-2    | Di-n-butylphthalate        | 4.00  | U         | 1.20 | 4.00 | 5.00       | ug/L  |
| 206-44-0   | Fluoranthene               | 4.00  | U         | 0.82 | 4.00 | 5.00       | ug/L  |
| 129-00-0   | Pyrene                     | 4.00  | U         | 0.50 | 4.00 | 5.00       | ug/L  |
| 85-68-7    | Butylbenzylphthalate       | 4.00  | U         | 1.90 | 4.00 | 5.00       | ug/L  |
| 91-94-1    | 3,3-Dichlorobenzidine      | 8.00  | U         | 0.93 | 8.00 | 10.0       | ug/L  |
| 56-55-3    | Benzo(a)anthracene         | 4.00  | U         | 0.45 | 4.00 | 5.00       | ug/L  |
| 218-01-9   | Chrysene                   | 4.00  | U         | 0.44 | 4.00 | 5.00       | ug/L  |
| 117-81-7   | Bis(2-ethylhexyl)phthalate | 2.10  | J         | 1.60 | 4.00 | 5.00       | ug/L  |
| 117-84-0   | Di-n-octyl phthalate       | 8.00  | U         | 2.30 | 8.00 | 10.0       | ug/L  |
| 205-99-2   | Benzo(b)fluoranthene       | 4.00  | U         | 0.49 | 4.00 | 5.00       | ug/L  |

## Report of Analysis

|                    |                               |                  |                 |                  |      |
|--------------------|-------------------------------|------------------|-----------------|------------------|------|
| Client:            | Tetra Tech NUS, Inc.          |                  | Date Collected: | 05/14/25         |      |
| Project:           | NWIRP Bethpage 112G08005-WE13 |                  | Date Received:  | 05/16/25         |      |
| Client Sample ID:  | RW8-SP303-70-20250514         |                  | SDG No.:        | Q2064            |      |
| Lab Sample ID:     | Q2064-04                      |                  | Matrix:         | Water            |      |
| Analytical Method: | 8270E                         |                  | % Solid:        | 0                |      |
| Sample Wt/Vol:     | 1000                          | Units: mL        | Final Vol:      | 1000             | uL   |
| Soil Aliquot Vol:  |                               | uL               | Test:           | SVOC-TCL BNA -20 |      |
| Extraction Type :  |                               | Decanted : N     | Level :         | LOW              |      |
| Injection Volume : |                               | GPC Factor : 1.0 | GPC Cleanup :   | N                | PH : |
| Prep Method :      | SW3510C                       |                  |                 |                  |      |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| BP024713.D        | 1         | 05/19/25 08:42 | 05/20/25 18:40 | PB168048      |

| CAS Number                            | Parameter                  | Conc.  | Qualifier | MDL      | LOD  | LOQ / CRQL | Units    |
|---------------------------------------|----------------------------|--------|-----------|----------|------|------------|----------|
| 207-08-9                              | Benzo(k)fluoranthene       | 4.00   | U         | 0.48     | 4.00 | 5.00       | ug/L     |
| 50-32-8                               | Benzo(a)pyrene             | 4.00   | U         | 0.55     | 4.00 | 5.00       | ug/L     |
| 193-39-5                              | Indeno(1,2,3-cd)pyrene     | 4.00   | U         | 0.59     | 4.00 | 5.00       | ug/L     |
| 53-70-3                               | Dibenzo(a,h)anthracene     | 4.00   | U         | 0.67     | 4.00 | 5.00       | ug/L     |
| 191-24-2                              | Benzo(g,h,i)perylene       | 4.00   | U         | 0.69     | 4.00 | 5.00       | ug/L     |
| 95-94-3                               | 1,2,4,5-Tetrachlorobenzene | 4.00   | U         | 0.52     | 4.00 | 5.00       | ug/L     |
| 123-91-1                              | 1,4-Dioxane                | 4.00   | UQ        | 1.00     | 4.00 | 5.00       | ug/L     |
| 58-90-2                               | 2,3,4,6-Tetrachlorophenol  | 4.00   | U         | 0.72     | 4.00 | 5.00       | ug/L     |
| <b>SURROGATES</b>                     |                            |        |           |          |      |            |          |
| 367-12-4                              | 2-Fluorophenol             | 49.7   |           | 19 - 119 |      | 33%        | SPK: 150 |
| 13127-88-3                            | Phenol-d6                  | 27.0   |           | 10 - 130 |      | 18%        | SPK: 150 |
| 4165-60-0                             | Nitrobenzene-d5            | 67.4   |           | 44 - 120 |      | 67%        | SPK: 100 |
| 321-60-8                              | 2-Fluorobiphenyl           | 71.4   |           | 44 - 119 |      | 71%        | SPK: 100 |
| 118-79-6                              | 2,4,6-Tribromophenol       | 155    |           | 43 - 140 |      | 103%       | SPK: 150 |
| 1718-51-0                             | Terphenyl-d14              | 94.1   |           | 50 - 134 |      | 94%        | SPK: 100 |
| <b>INTERNAL STANDARDS</b>             |                            |        |           |          |      |            |          |
| 3855-82-1                             | 1,4-Dichlorobenzene-d4     | 118000 |           | 7.657    |      |            |          |
| 1146-65-2                             | Naphthalene-d8             | 456000 |           | 10.428   |      |            |          |
| 15067-26-2                            | Acenaphthene-d10           | 312000 |           | 14.292   |      |            |          |
| 1517-22-2                             | Phenanthrene-d10           | 617000 |           | 17.086   |      |            |          |
| 1719-03-5                             | Chrysene-d12               | 695000 |           | 21.515   |      |            |          |
| 1520-96-3                             | Perylene-d12               | 845000 |           | 24.804   |      |            |          |
| <b>TENTATIVE IDENTIFIED COMPOUNDS</b> |                            |        |           |          |      |            |          |
| 000119-61-9                           | Benzophenone               | 4.20   | J         |          |      | 15.7       | ug/L     |
| 000057-10-3                           | n-Hexadecanoic acid        | 2.40   | J         |          |      | 18.0       | ug/L     |

## Report of Analysis

|                    |                               |                  |                 |                  |
|--------------------|-------------------------------|------------------|-----------------|------------------|
| Client:            | Tetra Tech NUS, Inc.          |                  | Date Collected: | 05/14/25         |
| Project:           | NWIRP Bethpage 112G08005-WE13 |                  | Date Received:  | 05/16/25         |
| Client Sample ID:  | RW8-SP303-70-20250514         |                  | SDG No.:        | Q2064            |
| Lab Sample ID:     | Q2064-04                      |                  | Matrix:         | Water            |
| Analytical Method: | 8270E                         |                  | % Solid:        | 0                |
| Sample Wt/Vol:     | 1000                          | Units: mL        | Final Vol:      | 1000 uL          |
| Soil Aliquot Vol:  |                               | uL               | Test:           | SVOC-TCL BNA -20 |
| Extraction Type :  |                               | Decanted : N     | Level :         | LOW              |
| Injection Volume : |                               | GPC Factor : 1.0 | GPC Cleanup :   | N PH :           |
| Prep Method :      | SW3510C                       |                  |                 |                  |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| BP024713.D        | 1         | 05/19/25 08:42 | 05/20/25 18:40 | PB168048      |

| 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: | 05/14/25         |      |
| Project:           | NWIRP Bethpage 112G08005-WE13 |                  | Date Received:  | 05/16/25         |      |
| Client Sample ID:  | RW8-SP100-90-20250514         |                  | SDG No.:        | Q2064            |      |
| Lab Sample ID:     | Q2064-05                      |                  | Matrix:         | Water            |      |
| Analytical Method: | 8270E                         |                  | % Solid:        | 0                |      |
| Sample Wt/Vol:     | 1000                          | Units: mL        | Final Vol:      | 1000             | uL   |
| Soil Aliquot Vol:  |                               | uL               | Test:           | SVOC-TCL BNA -20 |      |
| Extraction Type :  |                               | Decanted : N     | Level :         | LOW              |      |
| Injection Volume : |                               | GPC Factor : 1.0 | GPC Cleanup :   | N                | PH : |
| Prep Method :      | SW3510C                       |                  |                 |                  |      |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| BP024714.D        | 1         | 05/19/25 08:42 | 05/20/25 19:21 | PB168048      |

| CAS Number     | Parameter                   | Conc. | Qualifier | MDL  | LOD  | LOQ / CRQL | Units |
|----------------|-----------------------------|-------|-----------|------|------|------------|-------|
| <b>TARGETS</b> |                             |       |           |      |      |            |       |
| 100-52-7       | Benzaldehyde                | 8.00  | U         | 3.90 | 8.00 | 10.0       | ug/L  |
| 108-95-2       | Phenol                      | 4.00  | U         | 0.91 | 4.00 | 5.00       | ug/L  |
| 111-44-4       | bis(2-Chloroethyl)ether     | 4.00  | U         | 0.81 | 4.00 | 5.00       | ug/L  |
| 95-57-8        | 2-Chlorophenol              | 4.00  | U         | 0.58 | 4.00 | 5.00       | ug/L  |
| 95-48-7        | 2-Methylphenol              | 4.00  | U         | 1.10 | 4.00 | 5.00       | ug/L  |
| 108-60-1       | 2,2-oxybis(1-Chloropropane) | 4.00  | U         | 1.30 | 4.00 | 5.00       | ug/L  |
| 98-86-2        | Acetophenone                | 4.00  | U         | 0.74 | 4.00 | 5.00       | ug/L  |
| 65794-96-9     | 3+4-Methylphenols           | 8.00  | U         | 1.10 | 8.00 | 10.0       | ug/L  |
| 621-64-7       | n-Nitroso-di-n-propylamine  | 2.50  | U         | 1.40 | 2.50 | 2.50       | ug/L  |
| 67-72-1        | Hexachloroethane            | 4.00  | U         | 0.65 | 4.00 | 5.00       | ug/L  |
| 98-95-3        | Nitrobenzene                | 4.00  | U         | 0.76 | 4.00 | 5.00       | ug/L  |
| 78-59-1        | Isophorone                  | 4.00  | U         | 0.75 | 4.00 | 5.00       | ug/L  |
| 88-75-5        | 2-Nitrophenol               | 4.00  | U         | 1.80 | 4.00 | 5.00       | ug/L  |
| 105-67-9       | 2,4-Dimethylphenol          | 4.00  | U         | 1.90 | 4.00 | 5.00       | ug/L  |
| 111-91-1       | bis(2-Chloroethoxy)methane  | 4.00  | U         | 0.68 | 4.00 | 5.00       | ug/L  |
| 120-83-2       | 2,4-Dichlorophenol          | 4.00  | U         | 0.52 | 4.00 | 5.00       | ug/L  |
| 91-20-3        | Naphthalene                 | 4.00  | U         | 0.50 | 4.00 | 5.00       | ug/L  |
| 106-47-8       | 4-Chloroaniline             | 4.00  | U         | 0.84 | 4.00 | 5.00       | ug/L  |
| 87-68-3        | Hexachlorobutadiene         | 4.00  | U         | 0.54 | 4.00 | 5.00       | ug/L  |
| 105-60-2       | Caprolactam                 | 8.00  | U         | 1.10 | 8.00 | 10.0       | ug/L  |
| 59-50-7        | 4-Chloro-3-methylphenol     | 4.00  | U         | 0.59 | 4.00 | 5.00       | ug/L  |
| 91-57-6        | 2-Methylnaphthalene         | 4.00  | U         | 0.56 | 4.00 | 5.00       | ug/L  |
| 77-47-4        | Hexachlorocyclopentadiene   | 8.00  | U         | 3.60 | 8.00 | 10.0       | ug/L  |
| 88-06-2        | 2,4,6-Trichlorophenol       | 4.00  | U         | 0.51 | 4.00 | 5.00       | ug/L  |
| 95-95-4        | 2,4,5-Trichlorophenol       | 4.00  | U         | 0.62 | 4.00 | 5.00       | ug/L  |
| 92-52-4        | 1,1-Biphenyl                | 4.00  | U         | 0.53 | 4.00 | 5.00       | ug/L  |
| 91-58-7        | 2-Chloronaphthalene         | 4.00  | U         | 0.61 | 4.00 | 5.00       | ug/L  |
| 88-74-4        | 2-Nitroaniline              | 4.00  | U         | 1.30 | 4.00 | 5.00       | ug/L  |
| 131-11-3       | Dimethylphthalate           | 4.00  | U         | 0.61 | 4.00 | 5.00       | ug/L  |

## Report of Analysis

|                    |                               |                  |                 |                  |
|--------------------|-------------------------------|------------------|-----------------|------------------|
| Client:            | Tetra Tech NUS, Inc.          |                  | Date Collected: | 05/14/25         |
| Project:           | NWIRP Bethpage 112G08005-WE13 |                  | Date Received:  | 05/16/25         |
| Client Sample ID:  | RW8-SP100-90-20250514         |                  | SDG No.:        | Q2064            |
| Lab Sample ID:     | Q2064-05                      |                  | Matrix:         | Water            |
| Analytical Method: | 8270E                         |                  | % Solid:        | 0                |
| Sample Wt/Vol:     | 1000                          | Units: mL        | Final Vol:      | 1000 uL          |
| Soil Aliquot Vol:  |                               | uL               | Test:           | SVOC-TCL BNA -20 |
| Extraction Type :  |                               | Decanted : N     | Level :         | LOW              |
| Injection Volume : |                               | GPC Factor : 1.0 | GPC Cleanup :   | N PH :           |
| Prep Method :      | SW3510C                       |                  |                 |                  |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| BP024714.D        | 1         | 05/19/25 08:42 | 05/20/25 19:21 | PB168048      |

| CAS Number | Parameter                  | Conc. | Qualifier | MDL  | LOD  | LOQ / CRQL | Units |
|------------|----------------------------|-------|-----------|------|------|------------|-------|
| 208-96-8   | Acenaphthylene             | 4.00  | U         | 0.75 | 4.00 | 5.00       | ug/L  |
| 606-20-2   | 2,6-Dinitrotoluene         | 4.00  | U         | 0.92 | 4.00 | 5.00       | ug/L  |
| 99-09-2    | 3-Nitroaniline             | 4.00  | U         | 1.10 | 4.00 | 5.00       | ug/L  |
| 83-32-9    | Acenaphthene               | 4.00  | U         | 0.55 | 4.00 | 5.00       | ug/L  |
| 51-28-5    | 2,4-Dinitrophenol          | 8.00  | U         | 6.00 | 8.00 | 10.0       | ug/L  |
| 100-02-7   | 4-Nitrophenol              | 8.00  | U         | 2.40 | 8.00 | 10.0       | ug/L  |
| 132-64-9   | Dibenzofuran               | 4.00  | U         | 0.61 | 4.00 | 5.00       | ug/L  |
| 121-14-2   | 2,4-Dinitrotoluene         | 4.00  | U         | 1.20 | 4.00 | 5.00       | ug/L  |
| 84-66-2    | Diethylphthalate           | 4.00  | U         | 0.69 | 4.00 | 5.00       | ug/L  |
| 7005-72-3  | 4-Chlorophenyl-phenylether | 4.00  | U         | 0.68 | 4.00 | 5.00       | ug/L  |
| 86-73-7    | Fluorene                   | 4.00  | U         | 0.63 | 4.00 | 5.00       | ug/L  |
| 100-01-6   | 4-Nitroaniline             | 4.00  | U         | 1.50 | 4.00 | 5.00       | ug/L  |
| 534-52-1   | 4,6-Dinitro-2-methylphenol | 8.00  | U         | 2.90 | 8.00 | 10.0       | ug/L  |
| 86-30-6    | n-Nitrosodiphenylamine     | 4.00  | U         | 0.58 | 4.00 | 5.00       | ug/L  |
| 101-55-3   | 4-Bromophenyl-phenylether  | 4.00  | U         | 0.40 | 4.00 | 5.00       | ug/L  |
| 118-74-1   | Hexachlorobenzene          | 4.00  | U         | 0.52 | 4.00 | 5.00       | ug/L  |
| 1912-24-9  | Atrazine                   | 4.00  | U         | 1.00 | 4.00 | 5.00       | ug/L  |
| 87-86-5    | Pentachlorophenol          | 8.00  | U         | 1.60 | 8.00 | 10.0       | ug/L  |
| 85-01-8    | Phenanthrene               | 4.00  | U         | 0.50 | 4.00 | 5.00       | ug/L  |
| 120-12-7   | Anthracene                 | 4.00  | U         | 0.61 | 4.00 | 5.00       | ug/L  |
| 86-74-8    | Carbazole                  | 4.00  | U         | 0.72 | 4.00 | 5.00       | ug/L  |
| 84-74-2    | Di-n-butylphthalate        | 4.00  | U         | 1.20 | 4.00 | 5.00       | ug/L  |
| 206-44-0   | Fluoranthene               | 4.00  | U         | 0.82 | 4.00 | 5.00       | ug/L  |
| 129-00-0   | Pyrene                     | 4.00  | U         | 0.50 | 4.00 | 5.00       | ug/L  |
| 85-68-7    | Butylbenzylphthalate       | 4.00  | U         | 1.90 | 4.00 | 5.00       | ug/L  |
| 91-94-1    | 3,3-Dichlorobenzidine      | 8.00  | U         | 0.93 | 8.00 | 10.0       | ug/L  |
| 56-55-3    | Benzo(a)anthracene         | 4.00  | U         | 0.45 | 4.00 | 5.00       | ug/L  |
| 218-01-9   | Chrysene                   | 4.00  | U         | 0.44 | 4.00 | 5.00       | ug/L  |
| 117-81-7   | Bis(2-ethylhexyl)phthalate | 4.00  | U         | 1.60 | 4.00 | 5.00       | ug/L  |
| 117-84-0   | Di-n-octyl phthalate       | 8.00  | U         | 2.30 | 8.00 | 10.0       | ug/L  |
| 205-99-2   | Benzo(b)fluoranthene       | 4.00  | U         | 0.49 | 4.00 | 5.00       | ug/L  |

## Report of Analysis

|                    |                               |                  |                 |                  |      |
|--------------------|-------------------------------|------------------|-----------------|------------------|------|
| Client:            | Tetra Tech NUS, Inc.          |                  | Date Collected: | 05/14/25         |      |
| Project:           | NWIRP Bethpage 112G08005-WE13 |                  | Date Received:  | 05/16/25         |      |
| Client Sample ID:  | RW8-SP100-90-20250514         |                  | SDG No.:        | Q2064            |      |
| Lab Sample ID:     | Q2064-05                      |                  | Matrix:         | Water            |      |
| Analytical Method: | 8270E                         |                  | % Solid:        | 0                |      |
| Sample Wt/Vol:     | 1000                          | Units: mL        | Final Vol:      | 1000             | uL   |
| Soil Aliquot Vol:  |                               | uL               | Test:           | SVOC-TCL BNA -20 |      |
| Extraction Type :  |                               | Decanted : N     | Level :         | LOW              |      |
| Injection Volume : |                               | GPC Factor : 1.0 | GPC Cleanup :   | N                | PH : |
| Prep Method :      | SW3510C                       |                  |                 |                  |      |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| BP024714.D        | 1         | 05/19/25 08:42 | 05/20/25 19:21 | PB168048      |

| CAS Number | Parameter                  | Conc. | Qualifier | MDL  | LOD  | LOQ / CRQL | Units |
|------------|----------------------------|-------|-----------|------|------|------------|-------|
| 207-08-9   | Benzo(k)fluoranthene       | 4.00  | U         | 0.48 | 4.00 | 5.00       | ug/L  |
| 50-32-8    | Benzo(a)pyrene             | 4.00  | U         | 0.55 | 4.00 | 5.00       | ug/L  |
| 193-39-5   | Indeno(1,2,3-cd)pyrene     | 4.00  | U         | 0.59 | 4.00 | 5.00       | ug/L  |
| 53-70-3    | Dibenzo(a,h)anthracene     | 4.00  | U         | 0.67 | 4.00 | 5.00       | ug/L  |
| 191-24-2   | Benzo(g,h,i)perylene       | 4.00  | U         | 0.69 | 4.00 | 5.00       | ug/L  |
| 95-94-3    | 1,2,4,5-Tetrachlorobenzene | 4.00  | U         | 0.52 | 4.00 | 5.00       | ug/L  |
| 123-91-1   | 1,4-Dioxane                | 4.00  | UQ        | 1.00 | 4.00 | 5.00       | ug/L  |
| 58-90-2    | 2,3,4,6-Tetrachlorophenol  | 4.00  | U         | 0.72 | 4.00 | 5.00       | ug/L  |

### SURROGATES

|            |                      |      |  |          |  |      |          |
|------------|----------------------|------|--|----------|--|------|----------|
| 367-12-4   | 2-Fluorophenol       | 52.3 |  | 19 - 119 |  | 35%  | SPK: 150 |
| 13127-88-3 | Phenol-d6            | 28.7 |  | 10 - 130 |  | 19%  | SPK: 150 |
| 4165-60-0  | Nitrobenzene-d5      | 70.0 |  | 44 - 120 |  | 70%  | SPK: 100 |
| 321-60-8   | 2-Fluorobiphenyl     | 70.3 |  | 44 - 119 |  | 70%  | SPK: 100 |
| 118-79-6   | 2,4,6-Tribromophenol | 161  |  | 43 - 140 |  | 108% | SPK: 150 |
| 1718-51-0  | Terphenyl-d14        | 97.0 |  | 50 - 134 |  | 97%  | SPK: 100 |

### INTERNAL STANDARDS

|            |                        |        |        |  |  |  |  |
|------------|------------------------|--------|--------|--|--|--|--|
| 3855-82-1  | 1,4-Dichlorobenzene-d4 | 105000 | 7.657  |  |  |  |  |
| 1146-65-2  | Naphthalene-d8         | 406000 | 10.428 |  |  |  |  |
| 15067-26-2 | Acenaphthene-d10       | 295000 | 14.287 |  |  |  |  |
| 1517-22-2  | Phenanthrene-d10       | 589000 | 17.086 |  |  |  |  |
| 1719-03-5  | Chrysene-d12           | 654000 | 21.516 |  |  |  |  |
| 1520-96-3  | Perylene-d12           | 777000 | 24.804 |  |  |  |  |

### TENTATIVE IDENTIFIED COMPOUNDS

|             |                                    |      |   |  |  |      |      |
|-------------|------------------------------------|------|---|--|--|------|------|
| 000149-57-5 | Hexanoic acid, 2-ethyl-            | 24.7 | J |  |  | 9.01 | ug/L |
| 65-85-0     | Benzoic acid                       | 14.6 | J |  |  | 9.79 | ug/L |
| 007779-31-9 | 2-Propenoic acid, 2-methyl-, 3,3,5 | 3.30 | J |  |  | 12.5 | ug/L |
| 000098-73-7 | Benzoic acid, p-tert-butyl-        | 6.90 | J |  |  | 14.1 | ug/L |
| 000119-61-9 | Benzophenone                       | 3.20 | J |  |  | 15.7 | ug/L |
| 000057-10-3 | n-Hexadecanoic acid                | 2.40 | J |  |  | 18.0 | ug/L |
| 000629-97-0 | Docosane                           | 4.00 | J |  |  | 22.5 | ug/L |

## Report of Analysis

|                    |                               |                  |                 |                  |
|--------------------|-------------------------------|------------------|-----------------|------------------|
| Client:            | Tetra Tech NUS, Inc.          |                  | Date Collected: | 05/14/25         |
| Project:           | NWIRP Bethpage 112G08005-WE13 |                  | Date Received:  | 05/16/25         |
| Client Sample ID:  | RW8-SP100-90-20250514         |                  | SDG No.:        | Q2064            |
| Lab Sample ID:     | Q2064-05                      |                  | Matrix:         | Water            |
| Analytical Method: | 8270E                         |                  | % Solid:        | 0                |
| Sample Wt/Vol:     | 1000                          | Units: mL        | Final Vol:      | 1000 uL          |
| Soil Aliquot Vol:  |                               | uL               | Test:           | SVOC-TCL BNA -20 |
| Extraction Type :  |                               | Decanted : N     | Level :         | LOW              |
| Injection Volume : |                               | GPC Factor : 1.0 | GPC Cleanup :   | N PH :           |
| Prep Method :      | SW3510C                       |                  |                 |                  |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| BP024714.D        | 1         | 05/19/25 08:42 | 05/20/25 19:21 | PB168048      |

| 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: | 05/14/25         |
| Project:           | NWIRP Bethpage 112G08005-WE13 | Date Received:  | 05/16/25         |
| Client Sample ID:  | RW8-SP303-90-20250514         | SDG No.:        | Q2064            |
| Lab Sample ID:     | Q2064-08                      | Matrix:         | Water            |
| Analytical Method: | 8270E                         | % Solid:        | 0                |
| Sample Wt/Vol:     | 1000 Units: mL                | Final Vol:      | 1000 uL          |
| Soil Aliquot Vol:  | uL                            | Test:           | SVOC-TCL BNA -20 |
| Extraction Type :  | Decanted : N                  | Level :         | LOW              |
| Injection Volume : | GPC Factor : 1.0              | GPC Cleanup :   | N PH :           |
| Prep Method :      | SW3510C                       |                 |                  |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| BP024715.D        | 1         | 05/19/25 08:42 | 05/20/25 20:02 | PB168048      |

| CAS Number     | Parameter                   | Conc. | Qualifier | MDL  | LOD  | LOQ / CRQL | Units |
|----------------|-----------------------------|-------|-----------|------|------|------------|-------|
| <b>TARGETS</b> |                             |       |           |      |      |            |       |
| 100-52-7       | Benzaldehyde                | 8.00  | U         | 3.90 | 8.00 | 10.0       | ug/L  |
| 108-95-2       | Phenol                      | 4.00  | U         | 0.91 | 4.00 | 5.00       | ug/L  |
| 111-44-4       | bis(2-Chloroethyl)ether     | 4.00  | U         | 0.81 | 4.00 | 5.00       | ug/L  |
| 95-57-8        | 2-Chlorophenol              | 4.00  | U         | 0.58 | 4.00 | 5.00       | ug/L  |
| 95-48-7        | 2-Methylphenol              | 4.00  | U         | 1.10 | 4.00 | 5.00       | ug/L  |
| 108-60-1       | 2,2-oxybis(1-Chloropropane) | 4.00  | U         | 1.30 | 4.00 | 5.00       | ug/L  |
| 98-86-2        | Acetophenone                | 4.00  | U         | 0.74 | 4.00 | 5.00       | ug/L  |
| 65794-96-9     | 3+4-Methylphenols           | 8.00  | U         | 1.10 | 8.00 | 10.0       | ug/L  |
| 621-64-7       | n-Nitroso-di-n-propylamine  | 2.50  | U         | 1.40 | 2.50 | 2.50       | ug/L  |
| 67-72-1        | Hexachloroethane            | 4.00  | U         | 0.65 | 4.00 | 5.00       | ug/L  |
| 98-95-3        | Nitrobenzene                | 4.00  | U         | 0.76 | 4.00 | 5.00       | ug/L  |
| 78-59-1        | Isophorone                  | 4.00  | U         | 0.75 | 4.00 | 5.00       | ug/L  |
| 88-75-5        | 2-Nitrophenol               | 4.00  | U         | 1.80 | 4.00 | 5.00       | ug/L  |
| 105-67-9       | 2,4-Dimethylphenol          | 4.00  | U         | 1.90 | 4.00 | 5.00       | ug/L  |
| 111-91-1       | bis(2-Chloroethoxy)methane  | 4.00  | U         | 0.68 | 4.00 | 5.00       | ug/L  |
| 120-83-2       | 2,4-Dichlorophenol          | 4.00  | U         | 0.52 | 4.00 | 5.00       | ug/L  |
| 91-20-3        | Naphthalene                 | 4.00  | U         | 0.50 | 4.00 | 5.00       | ug/L  |
| 106-47-8       | 4-Chloroaniline             | 4.00  | U         | 0.84 | 4.00 | 5.00       | ug/L  |
| 87-68-3        | Hexachlorobutadiene         | 4.00  | U         | 0.54 | 4.00 | 5.00       | ug/L  |
| 105-60-2       | Caprolactam                 | 8.00  | U         | 1.10 | 8.00 | 10.0       | ug/L  |
| 59-50-7        | 4-Chloro-3-methylphenol     | 4.00  | U         | 0.59 | 4.00 | 5.00       | ug/L  |
| 91-57-6        | 2-Methylnaphthalene         | 4.00  | U         | 0.56 | 4.00 | 5.00       | ug/L  |
| 77-47-4        | Hexachlorocyclopentadiene   | 8.00  | U         | 3.60 | 8.00 | 10.0       | ug/L  |
| 88-06-2        | 2,4,6-Trichlorophenol       | 4.00  | U         | 0.51 | 4.00 | 5.00       | ug/L  |
| 95-95-4        | 2,4,5-Trichlorophenol       | 4.00  | U         | 0.62 | 4.00 | 5.00       | ug/L  |
| 92-52-4        | 1,1-Biphenyl                | 4.00  | U         | 0.53 | 4.00 | 5.00       | ug/L  |
| 91-58-7        | 2-Chloronaphthalene         | 4.00  | U         | 0.61 | 4.00 | 5.00       | ug/L  |
| 88-74-4        | 2-Nitroaniline              | 4.00  | U         | 1.30 | 4.00 | 5.00       | ug/L  |
| 131-11-3       | Dimethylphthalate           | 4.00  | U         | 0.61 | 4.00 | 5.00       | ug/L  |



## Report of Analysis

|                    |                               |                  |                 |                  |
|--------------------|-------------------------------|------------------|-----------------|------------------|
| Client:            | Tetra Tech NUS, Inc.          |                  | Date Collected: | 05/14/25         |
| Project:           | NWIRP Bethpage 112G08005-WE13 |                  | Date Received:  | 05/16/25         |
| Client Sample ID:  | RW8-SP303-90-20250514         |                  | SDG No.:        | Q2064            |
| Lab Sample ID:     | Q2064-08                      |                  | Matrix:         | Water            |
| Analytical Method: | 8270E                         |                  | % Solid:        | 0                |
| Sample Wt/Vol:     | 1000                          | Units: mL        | Final Vol:      | 1000 uL          |
| Soil Aliquot Vol:  |                               | uL               | Test:           | SVOC-TCL BNA -20 |
| Extraction Type :  |                               | Decanted : N     | Level :         | LOW              |
| Injection Volume : |                               | GPC Factor : 1.0 | GPC Cleanup :   | N PH :           |
| Prep Method :      | SW3510C                       |                  |                 |                  |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| BP024715.D        | 1         | 05/19/25 08:42 | 05/20/25 20:02 | PB168048      |

| CAS Number | Parameter                  | Conc. | Qualifier | MDL  | LOD  | LOQ / CRQL | Units |
|------------|----------------------------|-------|-----------|------|------|------------|-------|
| 208-96-8   | Acenaphthylene             | 4.00  | U         | 0.75 | 4.00 | 5.00       | ug/L  |
| 606-20-2   | 2,6-Dinitrotoluene         | 4.00  | U         | 0.92 | 4.00 | 5.00       | ug/L  |
| 99-09-2    | 3-Nitroaniline             | 4.00  | U         | 1.10 | 4.00 | 5.00       | ug/L  |
| 83-32-9    | Acenaphthene               | 4.00  | U         | 0.55 | 4.00 | 5.00       | ug/L  |
| 51-28-5    | 2,4-Dinitrophenol          | 8.00  | U         | 6.00 | 8.00 | 10.0       | ug/L  |
| 100-02-7   | 4-Nitrophenol              | 8.00  | U         | 2.40 | 8.00 | 10.0       | ug/L  |
| 132-64-9   | Dibenzofuran               | 4.00  | U         | 0.61 | 4.00 | 5.00       | ug/L  |
| 121-14-2   | 2,4-Dinitrotoluene         | 4.00  | U         | 1.20 | 4.00 | 5.00       | ug/L  |
| 84-66-2    | Diethylphthalate           | 4.00  | U         | 0.69 | 4.00 | 5.00       | ug/L  |
| 7005-72-3  | 4-Chlorophenyl-phenylether | 4.00  | U         | 0.68 | 4.00 | 5.00       | ug/L  |
| 86-73-7    | Fluorene                   | 4.00  | U         | 0.63 | 4.00 | 5.00       | ug/L  |
| 100-01-6   | 4-Nitroaniline             | 4.00  | U         | 1.50 | 4.00 | 5.00       | ug/L  |
| 534-52-1   | 4,6-Dinitro-2-methylphenol | 8.00  | U         | 2.90 | 8.00 | 10.0       | ug/L  |
| 86-30-6    | n-Nitrosodiphenylamine     | 4.00  | U         | 0.58 | 4.00 | 5.00       | ug/L  |
| 101-55-3   | 4-Bromophenyl-phenylether  | 4.00  | U         | 0.40 | 4.00 | 5.00       | ug/L  |
| 118-74-1   | Hexachlorobenzene          | 4.00  | U         | 0.52 | 4.00 | 5.00       | ug/L  |
| 1912-24-9  | Atrazine                   | 4.00  | U         | 1.00 | 4.00 | 5.00       | ug/L  |
| 87-86-5    | Pentachlorophenol          | 8.00  | U         | 1.60 | 8.00 | 10.0       | ug/L  |
| 85-01-8    | Phenanthrene               | 4.00  | U         | 0.50 | 4.00 | 5.00       | ug/L  |
| 120-12-7   | Anthracene                 | 4.00  | U         | 0.61 | 4.00 | 5.00       | ug/L  |
| 86-74-8    | Carbazole                  | 4.00  | U         | 0.72 | 4.00 | 5.00       | ug/L  |
| 84-74-2    | Di-n-butylphthalate        | 4.00  | U         | 1.20 | 4.00 | 5.00       | ug/L  |
| 206-44-0   | Fluoranthene               | 4.00  | U         | 0.82 | 4.00 | 5.00       | ug/L  |
| 129-00-0   | Pyrene                     | 4.00  | U         | 0.50 | 4.00 | 5.00       | ug/L  |
| 85-68-7    | Butylbenzylphthalate       | 4.00  | U         | 1.90 | 4.00 | 5.00       | ug/L  |
| 91-94-1    | 3,3-Dichlorobenzidine      | 8.00  | U         | 0.93 | 8.00 | 10.0       | ug/L  |
| 56-55-3    | Benzo(a)anthracene         | 4.00  | U         | 0.45 | 4.00 | 5.00       | ug/L  |
| 218-01-9   | Chrysene                   | 4.00  | U         | 0.44 | 4.00 | 5.00       | ug/L  |
| 117-81-7   | Bis(2-ethylhexyl)phthalate | 4.00  | U         | 1.60 | 4.00 | 5.00       | ug/L  |
| 117-84-0   | Di-n-octyl phthalate       | 8.00  | U         | 2.30 | 8.00 | 10.0       | ug/L  |
| 205-99-2   | Benzo(b)fluoranthene       | 4.00  | U         | 0.49 | 4.00 | 5.00       | ug/L  |

## Report of Analysis

|                    |                               |                  |                 |                  |      |
|--------------------|-------------------------------|------------------|-----------------|------------------|------|
| Client:            | Tetra Tech NUS, Inc.          |                  | Date Collected: | 05/14/25         |      |
| Project:           | NWIRP Bethpage 112G08005-WE13 |                  | Date Received:  | 05/16/25         |      |
| Client Sample ID:  | RW8-SP303-90-20250514         |                  | SDG No.:        | Q2064            |      |
| Lab Sample ID:     | Q2064-08                      |                  | Matrix:         | Water            |      |
| Analytical Method: | 8270E                         |                  | % Solid:        | 0                |      |
| Sample Wt/Vol:     | 1000                          | Units: mL        | Final Vol:      | 1000             | uL   |
| Soil Aliquot Vol:  |                               | uL               | Test:           | SVOC-TCL BNA -20 |      |
| Extraction Type :  |                               | Decanted : N     | Level :         | LOW              |      |
| Injection Volume : |                               | GPC Factor : 1.0 | GPC Cleanup :   | N                | PH : |
| Prep Method :      | SW3510C                       |                  |                 |                  |      |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| BP024715.D        | 1         | 05/19/25 08:42 | 05/20/25 20:02 | PB168048      |

| CAS Number                            | Parameter                  | Conc.  | Qualifier | MDL      | LOD  | LOQ / CRQL | Units    |
|---------------------------------------|----------------------------|--------|-----------|----------|------|------------|----------|
| 207-08-9                              | Benzo(k)fluoranthene       | 4.00   | U         | 0.48     | 4.00 | 5.00       | ug/L     |
| 50-32-8                               | Benzo(a)pyrene             | 4.00   | U         | 0.55     | 4.00 | 5.00       | ug/L     |
| 193-39-5                              | Indeno(1,2,3-cd)pyrene     | 4.00   | U         | 0.59     | 4.00 | 5.00       | ug/L     |
| 53-70-3                               | Dibenzo(a,h)anthracene     | 4.00   | U         | 0.67     | 4.00 | 5.00       | ug/L     |
| 191-24-2                              | Benzo(g,h,i)perylene       | 4.00   | U         | 0.69     | 4.00 | 5.00       | ug/L     |
| 95-94-3                               | 1,2,4,5-Tetrachlorobenzene | 4.00   | U         | 0.52     | 4.00 | 5.00       | ug/L     |
| 123-91-1                              | 1,4-Dioxane                | 4.00   | UQ        | 1.00     | 4.00 | 5.00       | ug/L     |
| 58-90-2                               | 2,3,4,6-Tetrachlorophenol  | 4.00   | U         | 0.72     | 4.00 | 5.00       | ug/L     |
| <b>SURROGATES</b>                     |                            |        |           |          |      |            |          |
| 367-12-4                              | 2-Fluorophenol             | 48.5   |           | 19 - 119 |      | 32%        | SPK: 150 |
| 13127-88-3                            | Phenol-d6                  | 26.5   |           | 10 - 130 |      | 18%        | SPK: 150 |
| 4165-60-0                             | Nitrobenzene-d5            | 67.0   |           | 44 - 120 |      | 67%        | SPK: 100 |
| 321-60-8                              | 2-Fluorobiphenyl           | 71.7   |           | 44 - 119 |      | 72%        | SPK: 100 |
| 118-79-6                              | 2,4,6-Tribromophenol       | 159    |           | 43 - 140 |      | 106%       | SPK: 150 |
| 1718-51-0                             | Terphenyl-d14              | 95.6   |           | 50 - 134 |      | 96%        | SPK: 100 |
| <b>INTERNAL STANDARDS</b>             |                            |        |           |          |      |            |          |
| 3855-82-1                             | 1,4-Dichlorobenzene-d4     | 122000 |           | 7.658    |      |            |          |
| 1146-65-2                             | Naphthalene-d8             | 472000 |           | 10.422   |      |            |          |
| 15067-26-2                            | Acenaphthene-d10           | 309000 |           | 14.281   |      |            |          |
| 1517-22-2                             | Phenanthrene-d10           | 630000 |           | 17.086   |      |            |          |
| 1719-03-5                             | Chrysene-d12               | 689000 |           | 21.516   |      |            |          |
| 1520-96-3                             | Perylene-d12               | 813000 |           | 24.804   |      |            |          |
| <b>TENTATIVE IDENTIFIED COMPOUNDS</b> |                            |        |           |          |      |            |          |
| 000119-61-9                           | Benzophenone               | 3.10   | J         |          |      | 15.7       | ug/L     |
| 000057-10-3                           | n-Hexadecanoic acid        | 2.70   | J         |          |      | 18.0       | ug/L     |

## Report of Analysis

|                    |                               |                  |                 |                  |
|--------------------|-------------------------------|------------------|-----------------|------------------|
| Client:            | Tetra Tech NUS, Inc.          |                  | Date Collected: | 05/14/25         |
| Project:           | NWIRP Bethpage 112G08005-WE13 |                  | Date Received:  | 05/16/25         |
| Client Sample ID:  | RW8-SP303-90-20250514         |                  | SDG No.:        | Q2064            |
| Lab Sample ID:     | Q2064-08                      |                  | Matrix:         | Water            |
| Analytical Method: | 8270E                         |                  | % Solid:        | 0                |
| Sample Wt/Vol:     | 1000                          | Units: mL        | Final Vol:      | 1000 uL          |
| Soil Aliquot Vol:  |                               | uL               | Test:           | SVOC-TCL BNA -20 |
| Extraction Type :  |                               | Decanted : N     | Level :         | LOW              |
| Injection Volume : |                               | GPC Factor : 1.0 | GPC Cleanup :   | N PH :           |
| Prep Method :      | SW3510C                       |                  |                 |                  |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| BP024715.D        | 1         | 05/19/25 08:42 | 05/20/25 20:02 | PB168048      |

| 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

SW-846

SDG No.: Q2064

Client: Tetra Tech NUS, Inc.

Analytical Method: 8270E

| Lab Sample ID | Client ID             | Parameter            | Spike (PPM) | Result (PPM) | Recovery (%) | Qual | Limits (%) |      |
|---------------|-----------------------|----------------------|-------------|--------------|--------------|------|------------|------|
|               |                       |                      |             |              |              |      | Low        | High |
| PB168048BL    | PB168048BL            | 2-Fluorophenol       | 150         | 133          | 88           |      | 19         | 119  |
|               |                       | Phenol-d6            | 150         | 122          | 81           |      | 10         | 130  |
|               |                       | Nitrobenzene-d5      | 100         | 76.1         | 76           |      | 44         | 120  |
|               |                       | 2-Fluorobiphenyl     | 100         | 76.8         | 77           |      | 44         | 119  |
|               |                       | 2,4,6-Tribromophenol | 150         | 145          | 97           |      | 43         | 140  |
|               |                       | Terphenyl-d14        | 100         | 90.1         | 90           |      | 50         | 134  |
| PB168048BS    | PB168048BS            | 2-Fluorophenol       | 150         | 122          | 82           |      | 19         | 119  |
|               |                       | Phenol-d6            | 150         | 117          | 78           |      | 10         | 130  |
|               |                       | Nitrobenzene-d5      | 100         | 69.5         | 69           |      | 44         | 120  |
|               |                       | 2-Fluorobiphenyl     | 100         | 74.5         | 74           |      | 44         | 119  |
|               |                       | 2,4,6-Tribromophenol | 150         | 139          | 93           |      | 43         | 140  |
|               |                       | Terphenyl-d14        | 100         | 76.9         | 77           |      | 50         | 134  |
| PB168048BSD   | PB168048BSD           | 2-Fluorophenol       | 150         | 128          | 85           |      | 19         | 119  |
|               |                       | Phenol-d6            | 150         | 120          | 80           |      | 10         | 130  |
|               |                       | Nitrobenzene-d5      | 100         | 75.8         | 76           |      | 44         | 120  |
|               |                       | 2-Fluorobiphenyl     | 100         | 78.1         | 78           |      | 44         | 119  |
|               |                       | 2,4,6-Tribromophenol | 150         | 146          | 97           |      | 43         | 140  |
|               |                       | Terphenyl-d14        | 100         | 79.4         | 79           |      | 50         | 134  |
| Q2064-01      | RW8-SP100-70-20250514 | 2-Fluorophenol       | 150         | 48.9         | 33           |      | 19         | 119  |
|               |                       | Phenol-d6            | 150         | 25.8         | 17           |      | 10         | 130  |
|               |                       | Nitrobenzene-d5      | 100         | 68.6         | 69           |      | 44         | 120  |
|               |                       | 2-Fluorobiphenyl     | 100         | 71.1         | 71           |      | 44         | 119  |
|               |                       | 2,4,6-Tribromophenol | 150         | 149          | 100          |      | 43         | 140  |
|               |                       | Terphenyl-d14        | 100         | 83.3         | 83           |      | 50         | 134  |
| Q2064-04      | RW8-SP303-70-20250514 | 2-Fluorophenol       | 150         | 49.7         | 33           |      | 19         | 119  |
|               |                       | Phenol-d6            | 150         | 27.0         | 18           |      | 10         | 130  |
|               |                       | Nitrobenzene-d5      | 100         | 67.4         | 67           |      | 44         | 120  |
|               |                       | 2-Fluorobiphenyl     | 100         | 71.4         | 71           |      | 44         | 119  |
|               |                       | 2,4,6-Tribromophenol | 150         | 155          | 103          |      | 43         | 140  |
|               |                       | Terphenyl-d14        | 100         | 94.1         | 94           |      | 50         | 134  |
| Q2064-05      | RW8-SP100-90-20250514 | 2-Fluorophenol       | 150         | 52.3         | 35           |      | 19         | 119  |
|               |                       | Phenol-d6            | 150         | 28.7         | 19           |      | 10         | 130  |
|               |                       | Nitrobenzene-d5      | 100         | 70.0         | 70           |      | 44         | 120  |
|               |                       | 2-Fluorobiphenyl     | 100         | 70.3         | 70           |      | 44         | 119  |
|               |                       | 2,4,6-Tribromophenol | 150         | 161          | 108          |      | 43         | 140  |
|               |                       | Terphenyl-d14        | 100         | 97.0         | 97           |      | 50         | 134  |
| Q2064-08      | RW8-SP303-90-20250514 | 2-Fluorophenol       | 150         | 48.5         | 32           |      | 19         | 119  |
|               |                       | Phenol-d6            | 150         | 26.5         | 18           |      | 10         | 130  |
|               |                       | Nitrobenzene-d5      | 100         | 67.0         | 67           |      | 44         | 120  |
|               |                       | 2-Fluorobiphenyl     | 100         | 71.7         | 72           |      | 44         | 119  |
|               |                       | 2,4,6-Tribromophenol | 150         | 159          | 106          |      | 43         | 140  |
|               |                       | Terphenyl-d14        | 100         | 95.6         | 96           |      | 50         | 134  |

## Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2064

Client: Tetra Tech NUS, Inc.

Analytical Method: 8270E

DataFile: BP024707.D

| Lab Sample ID | Parameter                   | Spike | Result | Unit | Rec | RPD | Qual | RPD  | Limits |      | RPD |
|---------------|-----------------------------|-------|--------|------|-----|-----|------|------|--------|------|-----|
|               |                             |       |        |      |     |     |      | Qual | Low    | High |     |
| PB168048BS    | Benzaldehyde                | 50    | 30.6   | ug/L | 61  |     |      |      | 10     | 161  |     |
|               | Phenol                      | 50    | 40.0   | ug/L | 80  |     |      |      | 10     | 132  |     |
|               | bis(2-Chloroethyl)ether     | 50    | 35.7   | ug/L | 71  |     |      |      | 43     | 118  |     |
|               | 2-Chlorophenol              | 50    | 41.7   | ug/L | 83  |     |      |      | 38     | 117  |     |
|               | 2-Methylphenol              | 50    | 39.9   | ug/L | 80  |     |      |      | 30     | 117  |     |
|               | 2,2-oxybis(1-Chloropropane) | 50    | 34.9   | ug/L | 70  |     |      |      | 37     | 130  |     |
|               | Acetophenone                | 50    | 38.9   | ug/L | 78  |     |      |      | 46     | 118  |     |
|               | 3+4-Methylphenols           | 50    | 38.8   | ug/L | 78  |     |      |      | 29     | 110  |     |
|               | N-Nitroso-di-n-propylamine  | 50    | 33.4   | ug/L | 67  |     |      |      | 49     | 119  |     |
|               | Hexachloroethane            | 50    | 38.0   | ug/L | 76  |     |      |      | 21     | 115  |     |
|               | Nitrobenzene                | 50    | 37.8   | ug/L | 76  |     |      |      | 45     | 121  |     |
|               | Isophorone                  | 50    | 35.9   | ug/L | 72  |     |      |      | 42     | 124  |     |
|               | 2-Nitrophenol               | 50    | 43.7   | ug/L | 87  |     |      |      | 47     | 123  |     |
|               | 2,4-Dimethylphenol          | 50    | 42.9   | ug/L | 86  |     |      |      | 31     | 124  |     |
|               | bis(2-Chloroethoxy)methane  | 50    | 37.2   | ug/L | 74  |     |      |      | 48     | 120  |     |
|               | 2,4-Dichlorophenol          | 50    | 43.9   | ug/L | 88  |     |      |      | 47     | 121  |     |
|               | Naphthalene                 | 50    | 39.4   | ug/L | 79  |     |      |      | 40     | 121  |     |
|               | 4-Chloroaniline             | 50    | 19.5   | ug/L | 39  |     |      |      | 33     | 117  |     |
|               | Hexachlorobutadiene         | 50    | 42.4   | ug/L | 85  |     |      |      | 22     | 124  |     |
|               | Caprolactam                 | 50    | 39.7   | ug/L | 79  |     |      |      | 10     | 161  |     |
|               | 4-Chloro-3-methylphenol     | 50    | 41.9   | ug/L | 84  |     |      |      | 52     | 119  |     |
|               | 2-Methylnaphthalene         | 50    | 39.5   | ug/L | 79  |     |      |      | 40     | 121  |     |
|               | Hexachlorocyclopentadiene   | 100   | 89.2   | ug/L | 89  |     |      |      | 10     | 155  |     |
|               | 2,4,6-Trichlorophenol       | 50    | 46.4   | ug/L | 93  |     |      |      | 50     | 125  |     |
|               | 2,4,5-Trichlorophenol       | 50    | 45.0   | ug/L | 90  |     |      |      | 53     | 123  |     |
|               | 1,1-Biphenyl                | 50    | 42.8   | ug/L | 86  |     |      |      | 49     | 115  |     |
|               | 2-Chloronaphthalene         | 50    | 43.0   | ug/L | 86  |     |      |      | 40     | 116  |     |
|               | 2-Nitroaniline              | 50    | 43.3   | ug/L | 87  |     |      |      | 55     | 127  |     |
|               | Dimethylphthalate           | 50    | 42.4   | ug/L | 85  |     |      |      | 45     | 127  |     |
|               | Acenaphthylene              | 50    | 41.4   | ug/L | 83  |     |      |      | 41     | 130  |     |
|               | 2,6-Dinitrotoluene          | 50    | 43.0   | ug/L | 86  |     |      |      | 57     | 124  |     |
|               | 3-Nitroaniline              | 50    | 26.3   | ug/L | 53  |     |      |      | 41     | 128  |     |
|               | Acenaphthene                | 50    | 41.3   | ug/L | 83  |     |      |      | 47     | 122  |     |
|               | 2,4-Dinitrophenol           | 100   | 81.6   | ug/L | 82  |     |      |      | 23     | 143  |     |
|               | 4-Nitrophenol               | 100   | 75.5   | ug/L | 76  |     |      |      | 10     | 161  |     |
|               | Dibenzofuran                | 50    | 42.2   | ug/L | 84  |     |      |      | 53     | 118  |     |
|               | 2,4-Dinitrotoluene          | 50    | 44.7   | ug/L | 89  |     |      |      | 57     | 128  |     |
|               | Diethylphthalate            | 50    | 41.6   | ug/L | 83  |     |      |      | 56     | 125  |     |
|               | 4-Chlorophenyl-phenylether  | 50    | 42.5   | ug/L | 85  |     |      |      | 53     | 121  |     |
|               | Fluorene                    | 50    | 42.4   | ug/L | 85  |     |      |      | 52     | 124  |     |
|               | 4-Nitroaniline              | 50    | 40.0   | ug/L | 80  |     |      |      | 35     | 120  |     |
|               | 4,6-Dinitro-2-methylphenol  | 50    | 44.3   | ug/L | 89  |     |      |      | 44     | 137  |     |
|               | N-Nitrosodiphenylamine      | 50    | 42.6   | ug/L | 85  |     |      |      | 51     | 123  |     |
|               | 4-Bromophenyl-phenylether   | 50    | 44.0   | ug/L | 88  |     |      |      | 55     | 124  |     |

## Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2064

Client: Tetra Tech NUS, Inc.

Analytical Method: 8270E

DataFile: BP024707.D

| Lab Sample ID | Parameter                  | Spike | Result | Unit | Rec | RPD | Qual | RPD  | Limits |      | RPD |
|---------------|----------------------------|-------|--------|------|-----|-----|------|------|--------|------|-----|
|               |                            |       |        |      |     |     |      | Qual | Low    | High |     |
| PB168048BS    | Hexachlorobenzene          | 50    | 44.4   | ug/L | 89  |     |      |      | 53     | 125  |     |
|               | Atrazine                   | 50    | 44.4   | ug/L | 89  |     |      |      | 44     | 142  |     |
|               | Pentachlorophenol          | 100   | 98.8   | ug/L | 99  |     |      |      | 35     | 138  |     |
|               | Phenanthrene               | 50    | 40.6   | ug/L | 81  |     |      |      | 59     | 120  |     |
|               | Anthracene                 | 50    | 42.4   | ug/L | 85  |     |      |      | 57     | 123  |     |
|               | Carbazole                  | 50    | 42.9   | ug/L | 86  |     |      |      | 60     | 122  |     |
|               | Di-n-butylphthalate        | 50    | 41.5   | ug/L | 83  |     |      |      | 59     | 127  |     |
|               | Fluoranthene               | 50    | 42.5   | ug/L | 85  |     |      |      | 57     | 128  |     |
|               | Pyrene                     | 50    | 42.4   | ug/L | 85  |     |      |      | 57     | 126  |     |
|               | Butylbenzylphthalate       | 50    | 43.1   | ug/L | 86  |     |      |      | 53     | 134  |     |
|               | 3,3-Dichlorobenzidine      | 50    | 33.0   | ug/L | 66  |     |      |      | 27     | 129  |     |
|               | Benzo(a)anthracene         | 50    | 41.9   | ug/L | 84  |     |      |      | 58     | 125  |     |
|               | Chrysene                   | 50    | 40.8   | ug/L | 82  |     |      |      | 59     | 123  |     |
|               | bis(2-Ethylhexyl)phthalate | 50    | 44.3   | ug/L | 89  |     |      |      | 55     | 135  |     |
|               | Di-n-octyl phthalate       | 50    | 45.4   | ug/L | 91  |     |      |      | 51     | 140  |     |
|               | Benzo(b)fluoranthene       | 50    | 42.5   | ug/L | 85  |     |      |      | 53     | 131  |     |
|               | Benzo(k)fluoranthene       | 50    | 42.7   | ug/L | 85  |     |      |      | 57     | 129  |     |
|               | Benzo(a)pyrene             | 50    | 42.6   | ug/L | 85  |     |      |      | 54     | 128  |     |
|               | Indeno(1,2,3-cd)pyrene     | 50    | 42.7   | ug/L | 85  |     |      |      | 52     | 134  |     |
|               | Dibenz(a,h)anthracene      | 50    | 43.2   | ug/L | 86  |     |      |      | 51     | 134  |     |
|               | Benzo(g,h,i)perylene       | 50    | 42.1   | ug/L | 84  |     |      |      | 50     | 134  |     |
|               | 1,2,4,5-Tetrachlorobenzene | 50    | 43.5   | ug/L | 87  |     |      |      | 35     | 121  |     |
|               | 1,4-Dioxane                | 50    | 30.9   | ug/L | 62  |     | *    |      | 70     | 130  |     |
|               | 2,3,4,6-Tetrachlorophenol  | 50    | 43.3   | ug/L | 87  |     |      |      | 50     | 128  |     |

# Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2064

Client: Tetra Tech NUS, Inc.

Analytical Method: 8270E DataFile: BP024708.D

| Lab Sample ID | Parameter                   | Spike | Result | Unit | Rec | RPD | RPD  |      | Limits |      | RPD |
|---------------|-----------------------------|-------|--------|------|-----|-----|------|------|--------|------|-----|
|               |                             |       |        |      |     |     | Qual | Qual | Low    | High |     |
| PB168048BSD   | Benzaldehyde                | 50    | 33.3   | ug/L | 67  | 8   |      |      | 10     | 161  | 20  |
|               | Phenol                      | 50    | 41.7   | ug/L | 83  | 4   |      |      | 10     | 132  | 20  |
|               | bis(2-Chloroethyl)ether     | 50    | 38.9   | ug/L | 78  | 9   |      |      | 43     | 118  | 20  |
|               | 2-Chlorophenol              | 50    | 43.8   | ug/L | 88  | 5   |      |      | 38     | 117  | 20  |
|               | 2-Methylphenol              | 50    | 40.8   | ug/L | 82  | 2   |      |      | 30     | 117  | 20  |
|               | 2,2-oxybis(1-Chloropropane) | 50    | 35.5   | ug/L | 71  | 2   |      |      | 37     | 130  | 20  |
|               | Acetophenone                | 50    | 41.6   | ug/L | 83  | 7   |      |      | 46     | 118  | 20  |
|               | 3+4-Methylphenols           | 50    | 40.5   | ug/L | 81  | 4   |      |      | 29     | 110  | 20  |
|               | N-Nitroso-di-n-propylamine  | 50    | 34.9   | ug/L | 70  | 4   |      |      | 49     | 119  | 20  |
|               | Hexachloroethane            | 50    | 39.5   | ug/L | 79  | 4   |      |      | 21     | 115  | 20  |
|               | Nitrobenzene                | 50    | 42.2   | ug/L | 84  | 11  |      |      | 45     | 121  | 20  |
|               | Isophorone                  | 50    | 37.7   | ug/L | 75  | 5   |      |      | 42     | 124  | 20  |
|               | 2-Nitrophenol               | 50    | 47.7   | ug/L | 95  | 9   |      |      | 47     | 123  | 20  |
|               | 2,4-Dimethylphenol          | 50    | 46.0   | ug/L | 92  | 7   |      |      | 31     | 124  | 20  |
|               | bis(2-Chloroethoxy)methane  | 50    | 39.7   | ug/L | 79  | 7   |      |      | 48     | 120  | 20  |
|               | 2,4-Dichlorophenol          | 50    | 47.2   | ug/L | 94  | 7   |      |      | 47     | 121  | 20  |
|               | Naphthalene                 | 50    | 42.5   | ug/L | 85  | 8   |      |      | 40     | 121  | 20  |
|               | 4-Chloroaniline             | 50    | 34.9   | ug/L | 70  | 57  |      | *    | 33     | 117  | 20  |
|               | Hexachlorobutadiene         | 50    | 45.8   | ug/L | 92  | 8   |      |      | 22     | 124  | 20  |
|               | Caprolactam                 | 50    | 43.3   | ug/L | 87  | 9   |      |      | 10     | 161  | 20  |
|               | 4-Chloro-3-methylphenol     | 50    | 42.8   | ug/L | 86  | 2   |      |      | 52     | 119  | 20  |
|               | 2-Methylnaphthalene         | 50    | 41.9   | ug/L | 84  | 6   |      |      | 40     | 121  | 20  |
|               | Hexachlorocyclopentadiene   | 100   | 99.7   | ug/L | 100 | 11  |      |      | 10     | 155  | 20  |
|               | 2,4,6-Trichlorophenol       | 50    | 49.8   | ug/L | 100 | 7   |      |      | 50     | 125  | 20  |
|               | 2,4,5-Trichlorophenol       | 50    | 48.4   | ug/L | 97  | 7   |      |      | 53     | 123  | 20  |
|               | 1,1-Biphenyl                | 50    | 45.9   | ug/L | 92  | 7   |      |      | 49     | 115  | 20  |
|               | 2-Chloronaphthalene         | 50    | 46.2   | ug/L | 92  | 7   |      |      | 40     | 116  | 20  |
|               | 2-Nitroaniline              | 50    | 45.1   | ug/L | 90  | 4   |      |      | 55     | 127  | 20  |
|               | Dimethylphthalate           | 50    | 44.8   | ug/L | 90  | 6   |      |      | 45     | 127  | 20  |
|               | Acenaphthylene              | 50    | 43.7   | ug/L | 87  | 5   |      |      | 41     | 130  | 20  |
|               | 2,6-Dinitrotoluene          | 50    | 45.8   | ug/L | 92  | 6   |      |      | 57     | 124  | 20  |
|               | 3-Nitroaniline              | 50    | 37.1   | ug/L | 74  | 34  |      | *    | 41     | 128  | 20  |
|               | Acenaphthene                | 50    | 44.5   | ug/L | 89  | 7   |      |      | 47     | 122  | 20  |
|               | 2,4-Dinitrophenol           | 100   | 86.7   | ug/L | 87  | 6   |      |      | 23     | 143  | 20  |
|               | 4-Nitrophenol               | 100   | 78.4   | ug/L | 78  | 4   |      |      | 10     | 161  | 20  |
|               | Dibenzofuran                | 50    | 43.7   | ug/L | 87  | 3   |      |      | 53     | 118  | 20  |
|               | 2,4-Dinitrotoluene          | 50    | 45.9   | ug/L | 92  | 3   |      |      | 57     | 128  | 20  |
|               | Diethylphthalate            | 50    | 44.1   | ug/L | 88  | 6   |      |      | 56     | 125  | 20  |
|               | 4-Chlorophenyl-phenylether  | 50    | 45.4   | ug/L | 91  | 7   |      |      | 53     | 121  | 20  |
|               | Fluorene                    | 50    | 45.6   | ug/L | 91  | 7   |      |      | 52     | 124  | 20  |
|               | 4-Nitroaniline              | 50    | 43.8   | ug/L | 88  | 9   |      |      | 35     | 120  | 20  |
|               | 4,6-Dinitro-2-methylphenol  | 50    | 49.0   | ug/L | 98  | 10  |      |      | 44     | 137  | 20  |
|               | N-Nitrosodiphenylamine      | 50    | 47.5   | ug/L | 95  | 11  |      |      | 51     | 123  | 20  |
|               | 4-Bromophenyl-phenylether   | 50    | 48.0   | ug/L | 96  | 9   |      |      | 55     | 124  | 20  |



## Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2064

Client: Tetra Tech NUS, Inc.

Analytical Method: 8270E

DataFile: BP024708.D

| Lab Sample ID | Parameter                  | Spike | Result | Unit | Rec | RPD | RPD  |      | Limits |      | RPD |
|---------------|----------------------------|-------|--------|------|-----|-----|------|------|--------|------|-----|
|               |                            |       |        |      |     |     | Qual | Qual | Low    | High |     |
| PB168048BSD   | Hexachlorobenzene          | 50    | 47.6   | ug/L | 95  | 7   |      |      | 53     | 125  | 20  |
|               | Atrazine                   | 50    | 47.6   | ug/L | 95  | 7   |      |      | 44     | 142  | 20  |
|               | Pentachlorophenol          | 100   | 110    | ug/L | 110 | 11  |      |      | 35     | 138  | 20  |
|               | Phenanthrene               | 50    | 44.4   | ug/L | 89  | 9   |      |      | 59     | 120  | 20  |
|               | Anthracene                 | 50    | 46.9   | ug/L | 94  | 10  |      |      | 57     | 123  | 20  |
|               | Carbazole                  | 50    | 46.9   | ug/L | 94  | 9   |      |      | 60     | 122  | 20  |
|               | Di-n-butylphthalate        | 50    | 46.4   | ug/L | 93  | 11  |      |      | 59     | 127  | 20  |
|               | Fluoranthene               | 50    | 45.0   | ug/L | 90  | 6   |      |      | 57     | 128  | 20  |
|               | Pyrene                     | 50    | 43.3   | ug/L | 87  | 2   |      |      | 57     | 126  | 20  |
|               | Butylbenzylphthalate       | 50    | 44.7   | ug/L | 89  | 4   |      |      | 53     | 134  | 20  |
|               | 3,3-Dichlorobenzidine      | 50    | 41.3   | ug/L | 83  | 22  |      | *    | 27     | 129  | 20  |
|               | Benzo(a)anthracene         | 50    | 44.7   | ug/L | 89  | 6   |      |      | 58     | 125  | 20  |
|               | Chrysene                   | 50    | 44.7   | ug/L | 89  | 9   |      |      | 59     | 123  | 20  |
|               | bis(2-Ethylhexyl)phthalate | 50    | 47.2   | ug/L | 94  | 6   |      |      | 55     | 135  | 20  |
|               | Di-n-octyl phthalate       | 50    | 47.7   | ug/L | 95  | 5   |      |      | 51     | 140  | 20  |
|               | Benzo(b)fluoranthene       | 50    | 47.0   | ug/L | 94  | 10  |      |      | 53     | 131  | 20  |
|               | Benzo(k)fluoranthene       | 50    | 45.9   | ug/L | 92  | 7   |      |      | 57     | 129  | 20  |
|               | Benzo(a)pyrene             | 50    | 46.4   | ug/L | 93  | 9   |      |      | 54     | 128  | 20  |
|               | Indeno(1,2,3-cd)pyrene     | 50    | 45.4   | ug/L | 91  | 6   |      |      | 52     | 134  | 20  |
|               | Dibenz(a,h)anthracene      | 50    | 46.0   | ug/L | 92  | 6   |      |      | 51     | 134  | 20  |
|               | Benzo(g,h,i)perylene       | 50    | 44.9   | ug/L | 90  | 6   |      |      | 50     | 134  | 20  |
|               | 1,2,4,5-Tetrachlorobenzene | 50    | 47.0   | ug/L | 94  | 8   |      |      | 35     | 121  | 20  |
|               | 1,4-Dioxane                | 50    | 31.5   | ug/L | 63  | 2   |      | *    | 70     | 130  | 20  |
|               | 2,3,4,6-Tetrachlorophenol  | 50    | 48.0   | ug/L | 96  | 10  |      |      | 50     | 128  | 20  |

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB168048BL

Lab Name: CHEMTECH

Contract: TETR06

Lab Code: CHEM Case No.: Q2064

SAS No.: Q2064 SDG NO.: Q2064

Lab File ID: BP024706.D

Lab Sample ID: PB168048BL

Instrument ID: BNA\_P

Date Extracted: 05/19/2025

Matrix: (soil/water) Water

Date Analyzed: 05/20/2025

Level: (low/med) LOW

Time Analyzed: 13:55

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 |
|-----------------------|------------------|----------------|------------------|
| PB168048BS            | PB168048BS       | BP024707.D     | 05/20/2025       |
| PB168048BSD           | PB168048BSD      | BP024708.D     | 05/20/2025       |
| RW8-SP100-70-20250514 | Q2064-01         | BP024712.D     | 05/20/2025       |
| RW8-SP303-70-20250514 | Q2064-04         | BP024713.D     | 05/20/2025       |
| RW8-SP100-90-20250514 | Q2064-05         | BP024714.D     | 05/20/2025       |
| RW8-SP303-90-20250514 | Q2064-08         | BP024715.D     | 05/20/2025       |

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

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK  
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: TETR06

Lab Code: CHEM

SAS No.: Q2064

SDG NO.: Q2064

Lab File ID: BP024613.D

DFTPP Injection Date: 05/13/2025

Instrument ID: BNA\_P

DFTPP Injection Time: 10:00

| m/e | ION ABUNDANCE CRITERIA             | % RELATIVE ABUNDANCE |
|-----|------------------------------------|----------------------|
| 51  | 10.0 - 80.0% of mass 198           | 26.8                 |
| 68  | Less than 2.0% of mass 69          | 0.2 ( 0.6 ) 1        |
| 69  | Mass 69 relative abundance         | 29                   |
| 70  | Less than 2.0% of mass 69          | 0.2 ( 0.6 ) 1        |
| 127 | 10.0 - 80.0% of mass 198           | 39.5                 |
| 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            | 5.3                  |
| 275 | 10.0 - 60.0% of mass 198           | 26.5                 |
| 365 | Greater than 1% of mass 198        | 4.3                  |
| 441 | Present, but less than mass 443    | 15.5                 |
| 442 | Greater than 50% of mass 198       | 100                  |
| 443 | 15.0 - 24.0% of mass 442           | 19.4 ( 19.4 ) 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 |
|-------------------|------------------|----------------|------------------|------------------|
| SSTDICC2.5        | SSTDICC2.5       | BP024614.D     | 05/13/2025       | 10:41            |
| SSTDICC005        | SSTDICC005       | BP024615.D     | 05/13/2025       | 11:22            |
| SSTDICC010        | SSTDICC010       | BP024616.D     | 05/13/2025       | 12:03            |
| SSTDICC020        | SSTDICC020       | BP024617.D     | 05/13/2025       | 12:43            |
| SSTDICCC040       | SSTDICCC040      | BP024618.D     | 05/13/2025       | 13:24            |
| SSTDICC050        | SSTDICC050       | BP024619.D     | 05/13/2025       | 14:05            |
| SSTDICC060        | SSTDICC060       | BP024620.D     | 05/13/2025       | 14:45            |
| SSTDICC080        | SSTDICC080       | BP024621.D     | 05/13/2025       | 15:26            |

## 5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK  
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: TETR06

Lab Code: CHEM

SAS No.: Q2064 SDG NO.: Q2064

Lab File ID: BP024702.D

DFTPP Injection Date: 05/20/2025

Instrument ID: BNA\_P

DFTPP Injection Time: 10:31

| m/e | ION ABUNDANCE CRITERIA             | % RELATIVE ABUNDANCE |
|-----|------------------------------------|----------------------|
| 51  | 10.0 - 80.0% of mass 198           | 22.2                 |
| 68  | Less than 2.0% of mass 69          | 0.3 ( 1.3 ) 1        |
| 69  | Mass 69 relative abundance         | 23.8                 |
| 70  | Less than 2.0% of mass 69          | 0.1 ( 0.6 ) 1        |
| 127 | 10.0 - 80.0% of mass 198           | 33.7                 |
| 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            | 4.7                  |
| 275 | 10.0 - 60.0% of mass 198           | 24                   |
| 365 | Greater than 1% of mass 198        | 3.9                  |
| 441 | Present, but less than mass 443    | 15.5                 |
| 442 | Greater than 50% of mass 198       | 100                  |
| 443 | 15.0 - 24.0% of mass 442           | 19 ( 19 ) 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 |
|-----------------------|------------------|----------------|------------------|------------------|
| SSTDCCC040            | SSTDCCC040       | BP024703.D     | 05/20/2025       | 11:52            |
| PB168048BL            | PB168048BL       | BP024706.D     | 05/20/2025       | 13:55            |
| PB168048BS            | PB168048BS       | BP024707.D     | 05/20/2025       | 14:35            |
| PB168048BSD           | PB168048BSD      | BP024708.D     | 05/20/2025       | 15:16            |
| RW8-SP100-70-20250514 | Q2064-01         | BP024712.D     | 05/20/2025       | 17:59            |
| RW8-SP303-70-20250514 | Q2064-04         | BP024713.D     | 05/20/2025       | 18:40            |
| RW8-SP100-90-20250514 | Q2064-05         | BP024714.D     | 05/20/2025       | 19:21            |
| RW8-SP303-90-20250514 | Q2064-08         | BP024715.D     | 05/20/2025       | 20:02            |
| SSTDCCC040EC          | SSTDCCC040       | BP024718.D     | 05/20/2025       | 22:04            |

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q2064 SAS No.: Q2064 SDG NO.: Q2064

EPA Sample No.: SSTDCCC040 Date Analyzed: 05/20/2025

Lab File ID: BP024703.D Time Analyzed: 11:52

Instrument ID: BNA\_P 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              | 123667              | 7.657 | 504753              | 10.43  | 316846              | 14.29  |
| UPPER LIMIT              | 247334              | 8.157 | 1009510             | 10.928 | 633692              | 14.787 |
| LOWER LIMIT              | 61833.5             | 7.157 | 252377              | 9.928  | 158423              | 13.787 |
| EPA SAMPLE NO.           |                     |       |                     |        |                     |        |
| 01 PB168048BL            | 134412              | 7.66  | 500749              | 10.43  | 300658              | 14.29  |
| 02 PB168048BS            | 124819              | 7.66  | 494827              | 10.43  | 304328              | 14.29  |
| 03 PB168048BSD           | 139801              | 7.66  | 538123              | 10.42  | 329718              | 14.29  |
| 04 RW8-SP100-70-20250514 | 110969              | 7.66  | 419501              | 10.43  | 276589              | 14.29  |
| 05 RW8-SP303-70-20250514 | 118478              | 7.66  | 455563              | 10.43  | 312017              | 14.29  |
| 06 RW8-SP100-90-20250514 | 105097              | 7.66  | 405523              | 10.43  | 295391              | 14.29  |
| 07 RW8-SP303-90-20250514 | 121733              | 7.66  | 471667              | 10.42  | 308901              | 14.28  |

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.: Q2064 SAS No.: Q2064 SDG NO.: Q2064

EPA Sample No.: SSTDCCC040 Date Analyzed: 05/20/2025

Lab File ID: BP024703.D Time Analyzed: 11:52

Instrument ID: BNA\_P 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              | 620396              | 17.081 | 679929              | 21.516 | 792201              | 24.798 |
| UPPER LIMIT              | 1240790             | 17.581 | 1359860             | 22.016 | 1584400             | 25.298 |
| LOWER LIMIT              | 310198              | 16.581 | 339965              | 21.016 | 396101              | 24.298 |
| EPA SAMPLE NO.           |                     |        |                     |        |                     |        |
| 01 PB168048BL            | 642481              | 17.09  | 691700              | 21.52  | 756782              | 24.82  |
| 02 PB168048BS            | 614284              | 17.08  | 693187              | 21.52  | 827509              | 24.79  |
| 03 PB168048BSD           | 642991              | 17.08  | 741643              | 21.52  | 838594              | 24.79  |
| 04 RW8-SP100-70-20250514 | 582176              | 17.09  | 659261              | 21.52  | 737654              | 24.80  |
| 05 RW8-SP303-70-20250514 | 617202              | 17.09  | 694869              | 21.52  | 845393              | 24.80  |
| 06 RW8-SP100-90-20250514 | 588501              | 17.09  | 654045              | 21.52  | 776769              | 24.80  |
| 07 RW8-SP303-90-20250514 | 630051              | 17.09  | 688875              | 21.52  | 813486              | 24.80  |

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:  | PB168048BL                    |                  | SDG No.:        | Q2064            |
| Lab Sample ID:     | PB168048BL                    |                  | Matrix:         | Water            |
| Analytical Method: | 8270E                         |                  | % Solid:        | 0                |
| Sample Wt/Vol:     | 1000                          | Units: mL        | Final Vol:      | 1000 uL          |
| Soil Aliquot Vol:  |                               | uL               | Test:           | SVOC-TCL BNA -20 |
| Extraction Type :  |                               | Decanted : N     | Level :         | LOW              |
| Injection Volume : |                               | GPC Factor : 1.0 | GPC Cleanup :   | N PH :           |
| Prep Method :      | SW3510C                       |                  |                 |                  |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| BP024706.D        | 1         | 05/19/25 08:42 | 05/20/25 13:55 | PB168048      |

| CAS Number     | Parameter                   | Conc. | Qualifier | MDL  | LOD  | LOQ / CRQL | Units |
|----------------|-----------------------------|-------|-----------|------|------|------------|-------|
| <b>TARGETS</b> |                             |       |           |      |      |            |       |
| 100-52-7       | Benzaldehyde                | 8.00  | U         | 3.90 | 8.00 | 10.0       | ug/L  |
| 108-95-2       | Phenol                      | 4.00  | U         | 0.91 | 4.00 | 5.00       | ug/L  |
| 111-44-4       | bis(2-Chloroethyl)ether     | 4.00  | U         | 0.81 | 4.00 | 5.00       | ug/L  |
| 95-57-8        | 2-Chlorophenol              | 4.00  | U         | 0.58 | 4.00 | 5.00       | ug/L  |
| 95-48-7        | 2-Methylphenol              | 4.00  | U         | 1.10 | 4.00 | 5.00       | ug/L  |
| 108-60-1       | 2,2-oxybis(1-Chloropropane) | 4.00  | U         | 1.30 | 4.00 | 5.00       | ug/L  |
| 98-86-2        | Acetophenone                | 4.00  | U         | 0.74 | 4.00 | 5.00       | ug/L  |
| 65794-96-9     | 3+4-Methylphenols           | 8.00  | U         | 1.10 | 8.00 | 10.0       | ug/L  |
| 621-64-7       | n-Nitroso-di-n-propylamine  | 2.50  | U         | 1.40 | 2.50 | 2.50       | ug/L  |
| 67-72-1        | Hexachloroethane            | 4.00  | U         | 0.65 | 4.00 | 5.00       | ug/L  |
| 98-95-3        | Nitrobenzene                | 4.00  | U         | 0.76 | 4.00 | 5.00       | ug/L  |
| 78-59-1        | Isophorone                  | 4.00  | U         | 0.75 | 4.00 | 5.00       | ug/L  |
| 88-75-5        | 2-Nitrophenol               | 4.00  | U         | 1.80 | 4.00 | 5.00       | ug/L  |
| 105-67-9       | 2,4-Dimethylphenol          | 4.00  | U         | 1.90 | 4.00 | 5.00       | ug/L  |
| 111-91-1       | bis(2-Chloroethoxy)methane  | 4.00  | U         | 0.68 | 4.00 | 5.00       | ug/L  |
| 120-83-2       | 2,4-Dichlorophenol          | 4.00  | U         | 0.52 | 4.00 | 5.00       | ug/L  |
| 91-20-3        | Naphthalene                 | 4.00  | U         | 0.50 | 4.00 | 5.00       | ug/L  |
| 106-47-8       | 4-Chloroaniline             | 4.00  | U         | 0.84 | 4.00 | 5.00       | ug/L  |
| 87-68-3        | Hexachlorobutadiene         | 4.00  | U         | 0.54 | 4.00 | 5.00       | ug/L  |
| 105-60-2       | Caprolactam                 | 8.00  | U         | 1.10 | 8.00 | 10.0       | ug/L  |
| 59-50-7        | 4-Chloro-3-methylphenol     | 4.00  | U         | 0.59 | 4.00 | 5.00       | ug/L  |
| 91-57-6        | 2-Methylnaphthalene         | 4.00  | U         | 0.56 | 4.00 | 5.00       | ug/L  |
| 77-47-4        | Hexachlorocyclopentadiene   | 8.00  | U         | 3.60 | 8.00 | 10.0       | ug/L  |
| 88-06-2        | 2,4,6-Trichlorophenol       | 4.00  | U         | 0.51 | 4.00 | 5.00       | ug/L  |
| 95-95-4        | 2,4,5-Trichlorophenol       | 4.00  | U         | 0.62 | 4.00 | 5.00       | ug/L  |
| 92-52-4        | 1,1-Biphenyl                | 4.00  | U         | 0.53 | 4.00 | 5.00       | ug/L  |
| 91-58-7        | 2-Chloronaphthalene         | 4.00  | U         | 0.61 | 4.00 | 5.00       | ug/L  |
| 88-74-4        | 2-Nitroaniline              | 4.00  | U         | 1.30 | 4.00 | 5.00       | ug/L  |
| 131-11-3       | Dimethylphthalate           | 4.00  | U         | 0.61 | 4.00 | 5.00       | ug/L  |



## Report of Analysis

|                    |                               |                  |                 |                  |
|--------------------|-------------------------------|------------------|-----------------|------------------|
| Client:            | Tetra Tech NUS, Inc.          |                  | Date Collected: |                  |
| Project:           | NWIRP Bethpage 112G08005-WE13 |                  | Date Received:  |                  |
| Client Sample ID:  | PB168048BL                    |                  | SDG No.:        | Q2064            |
| Lab Sample ID:     | PB168048BL                    |                  | Matrix:         | Water            |
| Analytical Method: | 8270E                         |                  | % Solid:        | 0                |
| Sample Wt/Vol:     | 1000                          | Units: mL        | Final Vol:      | 1000 uL          |
| Soil Aliquot Vol:  |                               | uL               | Test:           | SVOC-TCL BNA -20 |
| Extraction Type :  |                               | Decanted : N     | Level :         | LOW              |
| Injection Volume : |                               | GPC Factor : 1.0 | GPC Cleanup :   | N PH :           |
| Prep Method :      | SW3510C                       |                  |                 |                  |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| BP024706.D        | 1         | 05/19/25 08:42 | 05/20/25 13:55 | PB168048      |

| CAS Number | Parameter                  | Conc. | Qualifier | MDL  | LOD  | LOQ / CRQL | Units |
|------------|----------------------------|-------|-----------|------|------|------------|-------|
| 208-96-8   | Acenaphthylene             | 4.00  | U         | 0.75 | 4.00 | 5.00       | ug/L  |
| 606-20-2   | 2,6-Dinitrotoluene         | 4.00  | U         | 0.92 | 4.00 | 5.00       | ug/L  |
| 99-09-2    | 3-Nitroaniline             | 4.00  | U         | 1.10 | 4.00 | 5.00       | ug/L  |
| 83-32-9    | Acenaphthene               | 4.00  | U         | 0.55 | 4.00 | 5.00       | ug/L  |
| 51-28-5    | 2,4-Dinitrophenol          | 8.00  | U         | 6.00 | 8.00 | 10.0       | ug/L  |
| 100-02-7   | 4-Nitrophenol              | 8.00  | U         | 2.40 | 8.00 | 10.0       | ug/L  |
| 132-64-9   | Dibenzofuran               | 4.00  | U         | 0.61 | 4.00 | 5.00       | ug/L  |
| 121-14-2   | 2,4-Dinitrotoluene         | 4.00  | U         | 1.20 | 4.00 | 5.00       | ug/L  |
| 84-66-2    | Diethylphthalate           | 4.00  | U         | 0.69 | 4.00 | 5.00       | ug/L  |
| 7005-72-3  | 4-Chlorophenyl-phenylether | 4.00  | U         | 0.68 | 4.00 | 5.00       | ug/L  |
| 86-73-7    | Fluorene                   | 4.00  | U         | 0.63 | 4.00 | 5.00       | ug/L  |
| 100-01-6   | 4-Nitroaniline             | 4.00  | U         | 1.50 | 4.00 | 5.00       | ug/L  |
| 534-52-1   | 4,6-Dinitro-2-methylphenol | 8.00  | U         | 2.90 | 8.00 | 10.0       | ug/L  |
| 86-30-6    | n-Nitrosodiphenylamine     | 4.00  | U         | 0.58 | 4.00 | 5.00       | ug/L  |
| 101-55-3   | 4-Bromophenyl-phenylether  | 4.00  | U         | 0.40 | 4.00 | 5.00       | ug/L  |
| 118-74-1   | Hexachlorobenzene          | 4.00  | U         | 0.52 | 4.00 | 5.00       | ug/L  |
| 1912-24-9  | Atrazine                   | 4.00  | U         | 1.00 | 4.00 | 5.00       | ug/L  |
| 87-86-5    | Pentachlorophenol          | 8.00  | U         | 1.60 | 8.00 | 10.0       | ug/L  |
| 85-01-8    | Phenanthrene               | 4.00  | U         | 0.50 | 4.00 | 5.00       | ug/L  |
| 120-12-7   | Anthracene                 | 4.00  | U         | 0.61 | 4.00 | 5.00       | ug/L  |
| 86-74-8    | Carbazole                  | 4.00  | U         | 0.72 | 4.00 | 5.00       | ug/L  |
| 84-74-2    | Di-n-butylphthalate        | 4.00  | U         | 1.20 | 4.00 | 5.00       | ug/L  |
| 206-44-0   | Fluoranthene               | 4.00  | U         | 0.82 | 4.00 | 5.00       | ug/L  |
| 129-00-0   | Pyrene                     | 4.00  | U         | 0.50 | 4.00 | 5.00       | ug/L  |
| 85-68-7    | Butylbenzylphthalate       | 4.00  | U         | 1.90 | 4.00 | 5.00       | ug/L  |
| 91-94-1    | 3,3-Dichlorobenzidine      | 8.00  | U         | 0.93 | 8.00 | 10.0       | ug/L  |
| 56-55-3    | Benzo(a)anthracene         | 4.00  | U         | 0.45 | 4.00 | 5.00       | ug/L  |
| 218-01-9   | Chrysene                   | 4.00  | U         | 0.44 | 4.00 | 5.00       | ug/L  |
| 117-81-7   | Bis(2-ethylhexyl)phthalate | 4.00  | U         | 1.60 | 4.00 | 5.00       | ug/L  |
| 117-84-0   | Di-n-octyl phthalate       | 8.00  | U         | 2.30 | 8.00 | 10.0       | ug/L  |
| 205-99-2   | Benzo(b)fluoranthene       | 4.00  | U         | 0.49 | 4.00 | 5.00       | ug/L  |

## Report of Analysis

|                    |                               |                  |                 |                  |
|--------------------|-------------------------------|------------------|-----------------|------------------|
| Client:            | Tetra Tech NUS, Inc.          |                  | Date Collected: |                  |
| Project:           | NWIRP Bethpage 112G08005-WE13 |                  | Date Received:  |                  |
| Client Sample ID:  | PB168048BL                    |                  | SDG No.:        | Q2064            |
| Lab Sample ID:     | PB168048BL                    |                  | Matrix:         | Water            |
| Analytical Method: | 8270E                         |                  | % Solid:        | 0                |
| Sample Wt/Vol:     | 1000                          | Units: mL        | Final Vol:      | 1000 uL          |
| Soil Aliquot Vol:  |                               | uL               | Test:           | SVOC-TCL BNA -20 |
| Extraction Type :  |                               | Decanted : N     | Level :         | LOW              |
| Injection Volume : |                               | GPC Factor : 1.0 | GPC Cleanup :   | N PH :           |
| Prep Method :      | SW3510C                       |                  |                 |                  |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| BP024706.D        | 1         | 05/19/25 08:42 | 05/20/25 13:55 | PB168048      |

| CAS Number                            | Parameter                        | Conc.  | Qualifier | MDL      | LOD  | LOQ / CRQL | Units    |
|---------------------------------------|----------------------------------|--------|-----------|----------|------|------------|----------|
| 207-08-9                              | Benzo(k)fluoranthene             | 4.00   | U         | 0.48     | 4.00 | 5.00       | ug/L     |
| 50-32-8                               | Benzo(a)pyrene                   | 4.00   | U         | 0.55     | 4.00 | 5.00       | ug/L     |
| 193-39-5                              | Indeno(1,2,3-cd)pyrene           | 4.00   | U         | 0.59     | 4.00 | 5.00       | ug/L     |
| 53-70-3                               | Dibenzo(a,h)anthracene           | 4.00   | U         | 0.67     | 4.00 | 5.00       | ug/L     |
| 191-24-2                              | Benzo(g,h,i)perylene             | 4.00   | U         | 0.69     | 4.00 | 5.00       | ug/L     |
| 95-94-3                               | 1,2,4,5-Tetrachlorobenzene       | 4.00   | U         | 0.52     | 4.00 | 5.00       | ug/L     |
| 123-91-1                              | 1,4-Dioxane                      | 4.00   | U         | 1.00     | 4.00 | 5.00       | ug/L     |
| 58-90-2                               | 2,3,4,6-Tetrachlorophenol        | 4.00   | U         | 0.72     | 4.00 | 5.00       | ug/L     |
| <b>SURROGATES</b>                     |                                  |        |           |          |      |            |          |
| 367-12-4                              | 2-Fluorophenol                   | 133    |           | 19 - 119 |      | 88%        | SPK: 150 |
| 13127-88-3                            | Phenol-d6                        | 122    |           | 10 - 130 |      | 81%        | SPK: 150 |
| 4165-60-0                             | Nitrobenzene-d5                  | 76.1   |           | 44 - 120 |      | 76%        | SPK: 100 |
| 321-60-8                              | 2-Fluorobiphenyl                 | 76.8   |           | 44 - 119 |      | 77%        | SPK: 100 |
| 118-79-6                              | 2,4,6-Tribromophenol             | 145    |           | 43 - 140 |      | 97%        | SPK: 150 |
| 1718-51-0                             | Terphenyl-d14                    | 90.1   |           | 50 - 134 |      | 90%        | SPK: 100 |
| <b>INTERNAL STANDARDS</b>             |                                  |        |           |          |      |            |          |
| 3855-82-1                             | 1,4-Dichlorobenzene-d4           | 134000 |           | 7.658    |      |            |          |
| 1146-65-2                             | Naphthalene-d8                   | 501000 |           | 10.428   |      |            |          |
| 15067-26-2                            | Acenaphthene-d10                 | 301000 |           | 14.287   |      |            |          |
| 1517-22-2                             | Phenanthrene-d10                 | 642000 |           | 17.092   |      |            |          |
| 1719-03-5                             | Chrysene-d12                     | 692000 |           | 21.522   |      |            |          |
| 1520-96-3                             | Perylene-d12                     | 757000 |           | 24.821   |      |            |          |
| <b>TENTATIVE IDENTIFIED COMPOUNDS</b> |                                  |        |           |          |      |            |          |
| 000123-42-2                           | 2-Pentanone, 4-hydroxy-4-methyl- | 6.90   | A         |          |      | 4.82       | ug/L     |

## Report of Analysis

|                    |                               |                  |                 |                  |
|--------------------|-------------------------------|------------------|-----------------|------------------|
| Client:            | Tetra Tech NUS, Inc.          |                  | Date Collected: |                  |
| Project:           | NWIRP Bethpage 112G08005-WE13 |                  | Date Received:  |                  |
| Client Sample ID:  | PB168048BL                    |                  | SDG No.:        | Q2064            |
| Lab Sample ID:     | PB168048BL                    |                  | Matrix:         | Water            |
| Analytical Method: | 8270E                         |                  | % Solid:        | 0                |
| Sample Wt/Vol:     | 1000                          | Units: mL        | Final Vol:      | 1000 uL          |
| Soil Aliquot Vol:  |                               | uL               | Test:           | SVOC-TCL BNA -20 |
| Extraction Type :  |                               | Decanted : N     | Level :         | LOW              |
| Injection Volume : |                               | GPC Factor : 1.0 | GPC Cleanup :   | N PH :           |
| Prep Method :      | SW3510C                       |                  |                 |                  |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| BP024706.D        | 1         | 05/19/25 08:42 | 05/20/25 13:55 | PB168048      |

| 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: |                  |
| Project:           | NWIRP Bethpage 112G08005-WE13 |                  | Date Received:  |                  |
| Client Sample ID:  | PB168048BS                    |                  | SDG No.:        | Q2064            |
| Lab Sample ID:     | PB168048BS                    |                  | Matrix:         | Water            |
| Analytical Method: | 8270E                         |                  | % Solid:        | 0                |
| Sample Wt/Vol:     | 1000                          | Units: mL        | Final Vol:      | 1000 uL          |
| Soil Aliquot Vol:  |                               | uL               | Test:           | SVOC-TCL BNA -20 |
| Extraction Type :  |                               | Decanted : N     | Level :         | LOW              |
| Injection Volume : |                               | GPC Factor : 1.0 | GPC Cleanup :   | N PH :           |
| Prep Method :      | SW3510C                       |                  |                 |                  |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| BP024707.D        | 1         | 05/19/25 08:42 | 05/20/25 14:35 | PB168048      |

| CAS Number     | Parameter                   | Conc. | Qualifier | MDL  | LOD  | LOQ / CRQL | Units |
|----------------|-----------------------------|-------|-----------|------|------|------------|-------|
| <b>TARGETS</b> |                             |       |           |      |      |            |       |
| 100-52-7       | Benzaldehyde                | 30.6  |           | 3.90 | 8.00 | 10.0       | ug/L  |
| 108-95-2       | Phenol                      | 40.0  |           | 0.91 | 4.00 | 5.00       | ug/L  |
| 111-44-4       | bis(2-Chloroethyl)ether     | 35.7  |           | 0.81 | 4.00 | 5.00       | ug/L  |
| 95-57-8        | 2-Chlorophenol              | 41.7  |           | 0.58 | 4.00 | 5.00       | ug/L  |
| 95-48-7        | 2-Methylphenol              | 39.9  |           | 1.10 | 4.00 | 5.00       | ug/L  |
| 108-60-1       | 2,2-oxybis(1-Chloropropane) | 34.9  |           | 1.30 | 4.00 | 5.00       | ug/L  |
| 98-86-2        | Acetophenone                | 38.9  |           | 0.74 | 4.00 | 5.00       | ug/L  |
| 65794-96-9     | 3+4-Methylphenols           | 38.8  |           | 1.10 | 8.00 | 10.0       | ug/L  |
| 621-64-7       | n-Nitroso-di-n-propylamine  | 33.4  |           | 1.40 | 2.50 | 2.50       | ug/L  |
| 67-72-1        | Hexachloroethane            | 38.0  |           | 0.65 | 4.00 | 5.00       | ug/L  |
| 98-95-3        | Nitrobenzene                | 37.8  |           | 0.76 | 4.00 | 5.00       | ug/L  |
| 78-59-1        | Isophorone                  | 35.9  |           | 0.75 | 4.00 | 5.00       | ug/L  |
| 88-75-5        | 2-Nitrophenol               | 43.7  |           | 1.80 | 4.00 | 5.00       | ug/L  |
| 105-67-9       | 2,4-Dimethylphenol          | 42.9  |           | 1.90 | 4.00 | 5.00       | ug/L  |
| 111-91-1       | bis(2-Chloroethoxy)methane  | 37.2  |           | 0.68 | 4.00 | 5.00       | ug/L  |
| 120-83-2       | 2,4-Dichlorophenol          | 43.9  |           | 0.52 | 4.00 | 5.00       | ug/L  |
| 91-20-3        | Naphthalene                 | 39.4  |           | 0.50 | 4.00 | 5.00       | ug/L  |
| 106-47-8       | 4-Chloroaniline             | 19.5  |           | 0.84 | 4.00 | 5.00       | ug/L  |
| 87-68-3        | Hexachlorobutadiene         | 42.4  |           | 0.54 | 4.00 | 5.00       | ug/L  |
| 105-60-2       | Caprolactam                 | 39.7  |           | 1.10 | 8.00 | 10.0       | ug/L  |
| 59-50-7        | 4-Chloro-3-methylphenol     | 41.9  |           | 0.59 | 4.00 | 5.00       | ug/L  |
| 91-57-6        | 2-Methylnaphthalene         | 39.5  |           | 0.56 | 4.00 | 5.00       | ug/L  |
| 77-47-4        | Hexachlorocyclopentadiene   | 89.2  | E         | 3.60 | 8.00 | 10.0       | ug/L  |
| 88-06-2        | 2,4,6-Trichlorophenol       | 46.4  |           | 0.51 | 4.00 | 5.00       | ug/L  |
| 95-95-4        | 2,4,5-Trichlorophenol       | 45.0  |           | 0.62 | 4.00 | 5.00       | ug/L  |
| 92-52-4        | 1,1-Biphenyl                | 42.8  |           | 0.53 | 4.00 | 5.00       | ug/L  |
| 91-58-7        | 2-Chloronaphthalene         | 43.0  |           | 0.61 | 4.00 | 5.00       | ug/L  |
| 88-74-4        | 2-Nitroaniline              | 43.3  |           | 1.30 | 4.00 | 5.00       | ug/L  |
| 131-11-3       | Dimethylphthalate           | 42.4  |           | 0.61 | 4.00 | 5.00       | ug/L  |

## Report of Analysis

|                    |                               |                  |                 |                  |
|--------------------|-------------------------------|------------------|-----------------|------------------|
| Client:            | Tetra Tech NUS, Inc.          |                  | Date Collected: |                  |
| Project:           | NWIRP Bethpage 112G08005-WE13 |                  | Date Received:  |                  |
| Client Sample ID:  | PB168048BS                    |                  | SDG No.:        | Q2064            |
| Lab Sample ID:     | PB168048BS                    |                  | Matrix:         | Water            |
| Analytical Method: | 8270E                         |                  | % Solid:        | 0                |
| Sample Wt/Vol:     | 1000                          | Units: mL        | Final Vol:      | 1000 uL          |
| Soil Aliquot Vol:  |                               | uL               | Test:           | SVOC-TCL BNA -20 |
| Extraction Type :  |                               | Decanted : N     | Level :         | LOW              |
| Injection Volume : |                               | GPC Factor : 1.0 | GPC Cleanup :   | N PH :           |
| Prep Method :      | SW3510C                       |                  |                 |                  |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| BP024707.D        | 1         | 05/19/25 08:42 | 05/20/25 14:35 | PB168048      |

| CAS Number | Parameter                  | Conc. | Qualifier | MDL  | LOD  | LOQ / CRQL | Units |
|------------|----------------------------|-------|-----------|------|------|------------|-------|
| 208-96-8   | Acenaphthylene             | 41.4  |           | 0.75 | 4.00 | 5.00       | ug/L  |
| 606-20-2   | 2,6-Dinitrotoluene         | 43.0  |           | 0.92 | 4.00 | 5.00       | ug/L  |
| 99-09-2    | 3-Nitroaniline             | 26.3  |           | 1.10 | 4.00 | 5.00       | ug/L  |
| 83-32-9    | Acenaphthene               | 41.3  |           | 0.55 | 4.00 | 5.00       | ug/L  |
| 51-28-5    | 2,4-Dinitrophenol          | 81.6  | E         | 6.00 | 8.00 | 10.0       | ug/L  |
| 100-02-7   | 4-Nitrophenol              | 75.5  |           | 2.40 | 8.00 | 10.0       | ug/L  |
| 132-64-9   | Dibenzofuran               | 42.2  |           | 0.61 | 4.00 | 5.00       | ug/L  |
| 121-14-2   | 2,4-Dinitrotoluene         | 44.7  |           | 1.20 | 4.00 | 5.00       | ug/L  |
| 84-66-2    | Diethylphthalate           | 41.6  |           | 0.69 | 4.00 | 5.00       | ug/L  |
| 7005-72-3  | 4-Chlorophenyl-phenylether | 42.5  |           | 0.68 | 4.00 | 5.00       | ug/L  |
| 86-73-7    | Fluorene                   | 42.4  |           | 0.63 | 4.00 | 5.00       | ug/L  |
| 100-01-6   | 4-Nitroaniline             | 40.0  |           | 1.50 | 4.00 | 5.00       | ug/L  |
| 534-52-1   | 4,6-Dinitro-2-methylphenol | 44.3  |           | 2.90 | 8.00 | 10.0       | ug/L  |
| 86-30-6    | n-Nitrosodiphenylamine     | 42.6  |           | 0.58 | 4.00 | 5.00       | ug/L  |
| 101-55-3   | 4-Bromophenyl-phenylether  | 44.0  |           | 0.40 | 4.00 | 5.00       | ug/L  |
| 118-74-1   | Hexachlorobenzene          | 44.4  |           | 0.52 | 4.00 | 5.00       | ug/L  |
| 1912-24-9  | Atrazine                   | 44.4  |           | 1.00 | 4.00 | 5.00       | ug/L  |
| 87-86-5    | Pentachlorophenol          | 98.8  | E         | 1.60 | 8.00 | 10.0       | ug/L  |
| 85-01-8    | Phenanthrene               | 40.6  |           | 0.50 | 4.00 | 5.00       | ug/L  |
| 120-12-7   | Anthracene                 | 42.4  |           | 0.61 | 4.00 | 5.00       | ug/L  |
| 86-74-8    | Carbazole                  | 42.9  |           | 0.72 | 4.00 | 5.00       | ug/L  |
| 84-74-2    | Di-n-butylphthalate        | 41.5  |           | 1.20 | 4.00 | 5.00       | ug/L  |
| 206-44-0   | Fluoranthene               | 42.5  |           | 0.82 | 4.00 | 5.00       | ug/L  |
| 129-00-0   | Pyrene                     | 42.4  |           | 0.50 | 4.00 | 5.00       | ug/L  |
| 85-68-7    | Butylbenzylphthalate       | 43.1  |           | 1.90 | 4.00 | 5.00       | ug/L  |
| 91-94-1    | 3,3-Dichlorobenzidine      | 33.0  |           | 0.93 | 8.00 | 10.0       | ug/L  |
| 56-55-3    | Benzo(a)anthracene         | 41.9  |           | 0.45 | 4.00 | 5.00       | ug/L  |
| 218-01-9   | Chrysene                   | 40.8  |           | 0.44 | 4.00 | 5.00       | ug/L  |
| 117-81-7   | Bis(2-ethylhexyl)phthalate | 44.3  |           | 1.60 | 4.00 | 5.00       | ug/L  |
| 117-84-0   | Di-n-octyl phthalate       | 45.4  |           | 2.30 | 8.00 | 10.0       | ug/L  |
| 205-99-2   | Benzo(b)fluoranthene       | 42.5  |           | 0.49 | 4.00 | 5.00       | ug/L  |

## Report of Analysis

|                    |                               |                  |                 |                  |
|--------------------|-------------------------------|------------------|-----------------|------------------|
| Client:            | Tetra Tech NUS, Inc.          |                  | Date Collected: |                  |
| Project:           | NWIRP Bethpage 112G08005-WE13 |                  | Date Received:  |                  |
| Client Sample ID:  | PB168048BS                    |                  | SDG No.:        | Q2064            |
| Lab Sample ID:     | PB168048BS                    |                  | Matrix:         | Water            |
| Analytical Method: | 8270E                         |                  | % Solid:        | 0                |
| Sample Wt/Vol:     | 1000                          | Units: mL        | Final Vol:      | 1000 uL          |
| Soil Aliquot Vol:  |                               | uL               | Test:           | SVOC-TCL BNA -20 |
| Extraction Type :  |                               | Decanted : N     | Level :         | LOW              |
| Injection Volume : |                               | GPC Factor : 1.0 | GPC Cleanup :   | N PH :           |
| Prep Method :      | SW3510C                       |                  |                 |                  |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| BP024707.D        | 1         | 05/19/25 08:42 | 05/20/25 14:35 | PB168048      |

| CAS Number                | Parameter                  | Conc.  | Qualifier | MDL      | LOD  | LOQ / CRQL | Units    |
|---------------------------|----------------------------|--------|-----------|----------|------|------------|----------|
| 207-08-9                  | Benzo(k)fluoranthene       | 42.7   |           | 0.48     | 4.00 | 5.00       | ug/L     |
| 50-32-8                   | Benzo(a)pyrene             | 42.6   |           | 0.55     | 4.00 | 5.00       | ug/L     |
| 193-39-5                  | Indeno(1,2,3-cd)pyrene     | 42.7   |           | 0.59     | 4.00 | 5.00       | ug/L     |
| 53-70-3                   | Dibenzo(a,h)anthracene     | 43.2   |           | 0.67     | 4.00 | 5.00       | ug/L     |
| 191-24-2                  | Benzo(g,h,i)perylene       | 42.1   |           | 0.69     | 4.00 | 5.00       | ug/L     |
| 95-94-3                   | 1,2,4,5-Tetrachlorobenzene | 43.5   |           | 0.52     | 4.00 | 5.00       | ug/L     |
| 123-91-1                  | 1,4-Dioxane                | 30.9   |           | 1.00     | 4.00 | 5.00       | ug/L     |
| 58-90-2                   | 2,3,4,6-Tetrachlorophenol  | 43.3   |           | 0.72     | 4.00 | 5.00       | ug/L     |
| <b>SURROGATES</b>         |                            |        |           |          |      |            |          |
| 367-12-4                  | 2-Fluorophenol             | 122    |           | 19 - 119 |      | 82%        | SPK: 150 |
| 13127-88-3                | Phenol-d6                  | 117    |           | 10 - 130 |      | 78%        | SPK: 150 |
| 4165-60-0                 | Nitrobenzene-d5            | 69.5   |           | 44 - 120 |      | 69%        | SPK: 100 |
| 321-60-8                  | 2-Fluorobiphenyl           | 74.5   |           | 44 - 119 |      | 74%        | SPK: 100 |
| 118-79-6                  | 2,4,6-Tribromophenol       | 139    |           | 43 - 140 |      | 93%        | SPK: 150 |
| 1718-51-0                 | Terphenyl-d14              | 76.9   |           | 50 - 134 |      | 77%        | SPK: 100 |
| <b>INTERNAL STANDARDS</b> |                            |        |           |          |      |            |          |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4     | 125000 | 7.657     |          |      |            |          |
| 1146-65-2                 | Naphthalene-d8             | 495000 | 10.428    |          |      |            |          |
| 15067-26-2                | Acenaphthene-d10           | 304000 | 14.287    |          |      |            |          |
| 1517-22-2                 | Phenanthrene-d10           | 614000 | 17.081    |          |      |            |          |
| 1719-03-5                 | Chrysene-d12               | 693000 | 21.516    |          |      |            |          |
| 1520-96-3                 | Perylene-d12               | 828000 | 24.792    |          |      |            |          |

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:  | PB168048BSD                   |                  | SDG No.:        | Q2064            |
| Lab Sample ID:     | PB168048BSD                   |                  | Matrix:         | Water            |
| Analytical Method: | 8270E                         |                  | % Solid:        | 0                |
| Sample Wt/Vol:     | 1000                          | Units: mL        | Final Vol:      | 1000 uL          |
| Soil Aliquot Vol:  |                               | uL               | Test:           | SVOC-TCL BNA -20 |
| Extraction Type :  |                               | Decanted : N     | Level :         | LOW              |
| Injection Volume : |                               | GPC Factor : 1.0 | GPC Cleanup :   | N PH :           |
| Prep Method :      | SW3510C                       |                  |                 |                  |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| BP024708.D        | 1         | 05/19/25 08:42 | 05/20/25 15:16 | PB168048      |

| CAS Number     | Parameter                   | Conc. | Qualifier | MDL  | LOD  | LOQ / CRQL | Units |
|----------------|-----------------------------|-------|-----------|------|------|------------|-------|
| <b>TARGETS</b> |                             |       |           |      |      |            |       |
| 100-52-7       | Benzaldehyde                | 33.3  |           | 3.90 | 8.00 | 10.0       | ug/L  |
| 108-95-2       | Phenol                      | 41.7  |           | 0.91 | 4.00 | 5.00       | ug/L  |
| 111-44-4       | bis(2-Chloroethyl)ether     | 38.9  |           | 0.81 | 4.00 | 5.00       | ug/L  |
| 95-57-8        | 2-Chlorophenol              | 43.8  |           | 0.58 | 4.00 | 5.00       | ug/L  |
| 95-48-7        | 2-Methylphenol              | 40.8  |           | 1.10 | 4.00 | 5.00       | ug/L  |
| 108-60-1       | 2,2-oxybis(1-Chloropropane) | 35.5  |           | 1.30 | 4.00 | 5.00       | ug/L  |
| 98-86-2        | Acetophenone                | 41.6  |           | 0.74 | 4.00 | 5.00       | ug/L  |
| 65794-96-9     | 3+4-Methylphenols           | 40.5  |           | 1.10 | 8.00 | 10.0       | ug/L  |
| 621-64-7       | n-Nitroso-di-n-propylamine  | 34.9  |           | 1.40 | 2.50 | 2.50       | ug/L  |
| 67-72-1        | Hexachloroethane            | 39.5  |           | 0.65 | 4.00 | 5.00       | ug/L  |
| 98-95-3        | Nitrobenzene                | 42.2  |           | 0.76 | 4.00 | 5.00       | ug/L  |
| 78-59-1        | Isophorone                  | 37.7  |           | 0.75 | 4.00 | 5.00       | ug/L  |
| 88-75-5        | 2-Nitrophenol               | 47.7  |           | 1.80 | 4.00 | 5.00       | ug/L  |
| 105-67-9       | 2,4-Dimethylphenol          | 46.0  |           | 1.90 | 4.00 | 5.00       | ug/L  |
| 111-91-1       | bis(2-Chloroethoxy)methane  | 39.7  |           | 0.68 | 4.00 | 5.00       | ug/L  |
| 120-83-2       | 2,4-Dichlorophenol          | 47.2  |           | 0.52 | 4.00 | 5.00       | ug/L  |
| 91-20-3        | Naphthalene                 | 42.5  |           | 0.50 | 4.00 | 5.00       | ug/L  |
| 106-47-8       | 4-Chloroaniline             | 34.9  |           | 0.84 | 4.00 | 5.00       | ug/L  |
| 87-68-3        | Hexachlorobutadiene         | 45.8  |           | 0.54 | 4.00 | 5.00       | ug/L  |
| 105-60-2       | Caprolactam                 | 43.3  |           | 1.10 | 8.00 | 10.0       | ug/L  |
| 59-50-7        | 4-Chloro-3-methylphenol     | 42.8  |           | 0.59 | 4.00 | 5.00       | ug/L  |
| 91-57-6        | 2-Methylnaphthalene         | 41.9  |           | 0.56 | 4.00 | 5.00       | ug/L  |
| 77-47-4        | Hexachlorocyclopentadiene   | 99.7  | E         | 3.60 | 8.00 | 10.0       | ug/L  |
| 88-06-2        | 2,4,6-Trichlorophenol       | 49.8  |           | 0.51 | 4.00 | 5.00       | ug/L  |
| 95-95-4        | 2,4,5-Trichlorophenol       | 48.4  |           | 0.62 | 4.00 | 5.00       | ug/L  |
| 92-52-4        | 1,1-Biphenyl                | 45.9  |           | 0.53 | 4.00 | 5.00       | ug/L  |
| 91-58-7        | 2-Chloronaphthalene         | 46.2  |           | 0.61 | 4.00 | 5.00       | ug/L  |
| 88-74-4        | 2-Nitroaniline              | 45.1  |           | 1.30 | 4.00 | 5.00       | ug/L  |
| 131-11-3       | Dimethylphthalate           | 44.8  |           | 0.61 | 4.00 | 5.00       | ug/L  |

## Report of Analysis

|                    |                               |                  |                 |                  |
|--------------------|-------------------------------|------------------|-----------------|------------------|
| Client:            | Tetra Tech NUS, Inc.          |                  | Date Collected: |                  |
| Project:           | NWIRP Bethpage 112G08005-WE13 |                  | Date Received:  |                  |
| Client Sample ID:  | PB168048BSD                   |                  | SDG No.:        | Q2064            |
| Lab Sample ID:     | PB168048BSD                   |                  | Matrix:         | Water            |
| Analytical Method: | 8270E                         |                  | % Solid:        | 0                |
| Sample Wt/Vol:     | 1000                          | Units: mL        | Final Vol:      | 1000 uL          |
| Soil Aliquot Vol:  |                               | uL               | Test:           | SVOC-TCL BNA -20 |
| Extraction Type :  |                               | Decanted : N     | Level :         | LOW              |
| Injection Volume : |                               | GPC Factor : 1.0 | GPC Cleanup :   | N PH :           |
| Prep Method :      | SW3510C                       |                  |                 |                  |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| BP024708.D        | 1         | 05/19/25 08:42 | 05/20/25 15:16 | PB168048      |

| CAS Number | Parameter                  | Conc. | Qualifier | MDL  | LOD  | LOQ / CRQL | Units |
|------------|----------------------------|-------|-----------|------|------|------------|-------|
| 208-96-8   | Acenaphthylene             | 43.7  |           | 0.75 | 4.00 | 5.00       | ug/L  |
| 606-20-2   | 2,6-Dinitrotoluene         | 45.8  |           | 0.92 | 4.00 | 5.00       | ug/L  |
| 99-09-2    | 3-Nitroaniline             | 37.1  |           | 1.10 | 4.00 | 5.00       | ug/L  |
| 83-32-9    | Acenaphthene               | 44.5  |           | 0.55 | 4.00 | 5.00       | ug/L  |
| 51-28-5    | 2,4-Dinitrophenol          | 86.7  | E         | 6.00 | 8.00 | 10.0       | ug/L  |
| 100-02-7   | 4-Nitrophenol              | 78.4  |           | 2.40 | 8.00 | 10.0       | ug/L  |
| 132-64-9   | Dibenzofuran               | 43.7  |           | 0.61 | 4.00 | 5.00       | ug/L  |
| 121-14-2   | 2,4-Dinitrotoluene         | 45.9  |           | 1.20 | 4.00 | 5.00       | ug/L  |
| 84-66-2    | Diethylphthalate           | 44.1  |           | 0.69 | 4.00 | 5.00       | ug/L  |
| 7005-72-3  | 4-Chlorophenyl-phenylether | 45.4  |           | 0.68 | 4.00 | 5.00       | ug/L  |
| 86-73-7    | Fluorene                   | 45.6  |           | 0.63 | 4.00 | 5.00       | ug/L  |
| 100-01-6   | 4-Nitroaniline             | 43.8  |           | 1.50 | 4.00 | 5.00       | ug/L  |
| 534-52-1   | 4,6-Dinitro-2-methylphenol | 49.0  |           | 2.90 | 8.00 | 10.0       | ug/L  |
| 86-30-6    | n-Nitrosodiphenylamine     | 47.5  |           | 0.58 | 4.00 | 5.00       | ug/L  |
| 101-55-3   | 4-Bromophenyl-phenylether  | 48.0  |           | 0.40 | 4.00 | 5.00       | ug/L  |
| 118-74-1   | Hexachlorobenzene          | 47.6  |           | 0.52 | 4.00 | 5.00       | ug/L  |
| 1912-24-9  | Atrazine                   | 47.6  |           | 1.00 | 4.00 | 5.00       | ug/L  |
| 87-86-5    | Pentachlorophenol          | 110   | E         | 1.60 | 8.00 | 10.0       | ug/L  |
| 85-01-8    | Phenanthrene               | 44.4  |           | 0.50 | 4.00 | 5.00       | ug/L  |
| 120-12-7   | Anthracene                 | 46.9  |           | 0.61 | 4.00 | 5.00       | ug/L  |
| 86-74-8    | Carbazole                  | 46.9  |           | 0.72 | 4.00 | 5.00       | ug/L  |
| 84-74-2    | Di-n-butylphthalate        | 46.4  |           | 1.20 | 4.00 | 5.00       | ug/L  |
| 206-44-0   | Fluoranthene               | 45.0  |           | 0.82 | 4.00 | 5.00       | ug/L  |
| 129-00-0   | Pyrene                     | 43.3  |           | 0.50 | 4.00 | 5.00       | ug/L  |
| 85-68-7    | Butylbenzylphthalate       | 44.7  |           | 1.90 | 4.00 | 5.00       | ug/L  |
| 91-94-1    | 3,3-Dichlorobenzidine      | 41.3  |           | 0.93 | 8.00 | 10.0       | ug/L  |
| 56-55-3    | Benzo(a)anthracene         | 44.7  |           | 0.45 | 4.00 | 5.00       | ug/L  |
| 218-01-9   | Chrysene                   | 44.7  |           | 0.44 | 4.00 | 5.00       | ug/L  |
| 117-81-7   | Bis(2-ethylhexyl)phthalate | 47.2  |           | 1.60 | 4.00 | 5.00       | ug/L  |
| 117-84-0   | Di-n-octyl phthalate       | 47.7  |           | 2.30 | 8.00 | 10.0       | ug/L  |
| 205-99-2   | Benzo(b)fluoranthene       | 47.0  |           | 0.49 | 4.00 | 5.00       | ug/L  |



## Report of Analysis

|                    |                               |                  |                 |                  |
|--------------------|-------------------------------|------------------|-----------------|------------------|
| Client:            | Tetra Tech NUS, Inc.          |                  | Date Collected: |                  |
| Project:           | NWIRP Bethpage 112G08005-WE13 |                  | Date Received:  |                  |
| Client Sample ID:  | PB168048BSD                   |                  | SDG No.:        | Q2064            |
| Lab Sample ID:     | PB168048BSD                   |                  | Matrix:         | Water            |
| Analytical Method: | 8270E                         |                  | % Solid:        | 0                |
| Sample Wt/Vol:     | 1000                          | Units: mL        | Final Vol:      | 1000 uL          |
| Soil Aliquot Vol:  |                               | uL               | Test:           | SVOC-TCL BNA -20 |
| Extraction Type :  |                               | Decanted : N     | Level :         | LOW              |
| Injection Volume : |                               | GPC Factor : 1.0 | GPC Cleanup :   | N PH :           |
| Prep Method :      | SW3510C                       |                  |                 |                  |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| BP024708.D        | 1         | 05/19/25 08:42 | 05/20/25 15:16 | PB168048      |

| CAS Number                | Parameter                  | Conc.  | Qualifier | MDL      | LOD  | LOQ / CRQL | Units    |
|---------------------------|----------------------------|--------|-----------|----------|------|------------|----------|
| 207-08-9                  | Benzo(k)fluoranthene       | 45.9   |           | 0.48     | 4.00 | 5.00       | ug/L     |
| 50-32-8                   | Benzo(a)pyrene             | 46.4   |           | 0.55     | 4.00 | 5.00       | ug/L     |
| 193-39-5                  | Indeno(1,2,3-cd)pyrene     | 45.4   |           | 0.59     | 4.00 | 5.00       | ug/L     |
| 53-70-3                   | Dibenzo(a,h)anthracene     | 46.0   |           | 0.67     | 4.00 | 5.00       | ug/L     |
| 191-24-2                  | Benzo(g,h,i)perylene       | 44.9   |           | 0.69     | 4.00 | 5.00       | ug/L     |
| 95-94-3                   | 1,2,4,5-Tetrachlorobenzene | 47.0   |           | 0.52     | 4.00 | 5.00       | ug/L     |
| 123-91-1                  | 1,4-Dioxane                | 31.5   |           | 1.00     | 4.00 | 5.00       | ug/L     |
| 58-90-2                   | 2,3,4,6-Tetrachlorophenol  | 48.0   |           | 0.72     | 4.00 | 5.00       | ug/L     |
| <b>SURROGATES</b>         |                            |        |           |          |      |            |          |
| 367-12-4                  | 2-Fluorophenol             | 128    |           | 19 - 119 |      | 85%        | SPK: 150 |
| 13127-88-3                | Phenol-d6                  | 120    |           | 10 - 130 |      | 80%        | SPK: 150 |
| 4165-60-0                 | Nitrobenzene-d5            | 75.8   |           | 44 - 120 |      | 76%        | SPK: 100 |
| 321-60-8                  | 2-Fluorobiphenyl           | 78.1   |           | 44 - 119 |      | 78%        | SPK: 100 |
| 118-79-6                  | 2,4,6-Tribromophenol       | 146    |           | 43 - 140 |      | 97%        | SPK: 150 |
| 1718-51-0                 | Terphenyl-d14              | 79.4   |           | 50 - 134 |      | 79%        | SPK: 100 |
| <b>INTERNAL STANDARDS</b> |                            |        |           |          |      |            |          |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4     | 140000 |           | 7.658    |      |            |          |
| 1146-65-2                 | Naphthalene-d8             | 538000 |           | 10.422   |      |            |          |
| 15067-26-2                | Acenaphthene-d10           | 330000 |           | 14.287   |      |            |          |
| 1517-22-2                 | Phenanthrene-d10           | 643000 |           | 17.081   |      |            |          |
| 1719-03-5                 | Chrysene-d12               | 742000 |           | 21.516   |      |            |          |
| 1520-96-3                 | Perylene-d12               | 839000 |           | 24.792   |      |            |          |

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

Method Path : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\  
 Method File : 8270E-BP051325.M  
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 Last Update : Tue May 13 16:21:39 2025  
 Response Via : Initial Calibration

## Calibration Files

2.5 =BP024614.D 5 =BP024615.D 10 =BP024616.D 20 =BP024617.D 40 =BP024618.D 50 =BP024619.D 60 =BP024620.D 80 =BP024621.D

| Compound                   | 2.5            | 5     | 10    | 20    | 40    | 50    | 60    | 80    | Avg   | %RSD |
|----------------------------|----------------|-------|-------|-------|-------|-------|-------|-------|-------|------|
| -----                      |                |       |       |       |       |       |       |       |       |      |
| 1) I 1,4-Dichlorobenzen... | -----ISTD----- |       |       |       |       |       |       |       |       |      |
| 2) 1,4-Dioxane             | 0.641          | 0.557 | 0.535 | 0.505 | 0.562 | 0.530 | 0.513 | 0.549 | 8.31  |      |
| 3) Pyridine                | 1.054          | 1.135 | 1.202 | 1.198 | 1.363 | 1.307 | 1.263 | 1.218 | 8.57  |      |
| 4) n-Nitrosodimet...       | 0.536          | 0.507 | 0.527 | 0.517 | 0.580 | 0.557 | 0.537 | 0.538 | 4.61  |      |
| 5) S 2-Fluorophenol        | 1.134          | 1.096 | 1.162 | 1.105 | 1.272 | 1.223 | 1.193 | 1.169 | 5.50  |      |
| 6) Aniline                 | 1.717          | 1.703 | 1.932 | 1.917 | 2.130 | 2.091 | 1.999 | 1.927 | 8.67  |      |
| 7) S Phenol-d6             | 1.301          | 1.344 | 1.486 | 1.472 | 1.671 | 1.620 | 1.552 | 1.492 | 9.09  |      |
| 8) 2-Chlorophenol          | 1.200          | 1.204 | 1.311 | 1.303 | 1.465 | 1.433 | 1.376 | 1.327 | 7.83  |      |
| 9) Benzaldehyde            | 0.991          | 1.008 | 1.046 | 0.955 | 1.043 | 0.954 | 0.766 | 0.966 | 9.91  |      |
| 10) C Phenol               | 1.373          | 1.401 | 1.526 | 1.509 | 1.707 | 1.670 | 1.597 | 1.540 | 8.24  |      |
| 11) bis(2-Chloroet...      | 1.317          | 1.170 | 1.257 | 1.213 | 1.357 | 1.299 | 1.247 | 1.266 | 5.04  |      |
| 12) 1,3-Dichlorobe...      | 1.596          | 1.487 | 1.520 | 1.440 | 1.622 | 1.546 | 1.480 | 1.527 | 4.29  |      |
| 13) C 1,4-Dichlorobe...    | 1.558          | 1.505 | 1.525 | 1.470 | 1.637 | 1.567 | 1.491 | 1.536 | 3.67  |      |
| 14) 1,2-Dichlorobe...      | 1.530          | 1.467 | 1.498 | 1.426 | 1.579 | 1.529 | 1.449 | 1.497 | 3.56  |      |
| 15) Benzyl Alcohol         | 0.883          | 0.950 | 1.128 | 1.149 | 1.306 | 1.288 | 1.236 | 1.134 | 14.43 |      |
| 16) 2,2'-oxybis(1-...      | 1.543          | 1.445 | 1.520 | 1.467 | 1.617 | 1.564 | 1.454 | 1.516 | 4.22  |      |
| 17) 2-Methylphenol         | 0.966          | 0.949 | 1.105 | 1.099 | 1.246 | 1.213 | 1.154 | 1.105 | 10.30 |      |
| 18) Hexachloroethane       | 0.606          | 0.591 | 0.582 | 0.551 | 0.623 | 0.597 | 0.570 | 0.589 | 4.04  |      |
| 19) P n-Nitroso-di-n...    | 0.880          | 0.977 | 0.967 | 1.086 | 1.048 | 1.142 | 1.132 | 1.026 | 1.032 | 8.63 |
| 20) 3+4-Methylphenols      | 1.221          | 1.302 | 1.503 | 1.515 | 1.702 | 1.692 | 1.584 | 1.503 | 12.21 |      |
|                            |                |       |       |       |       |       |       |       |       |      |
| 21) I Naphthalene-d8       | -----ISTD----- |       |       |       |       |       |       |       |       |      |
| 22) Acetophenone           | 0.486          | 0.481 | 0.511 | 0.483 | 0.534 | 0.512 | 0.491 | 0.500 | 3.97  |      |
| 23) S Nitrobenzene-d5      | 0.381          | 0.376 | 0.401 | 0.382 | 0.429 | 0.408 | 0.394 | 0.396 | 4.67  |      |
| 24) Nitrobenzene           | 0.333          | 0.340 | 0.355 | 0.337 | 0.373 | 0.356 | 0.344 | 0.348 | 4.03  |      |
| 25) Isophorone             | 0.644          | 0.640 | 0.695 | 0.673 | 0.753 | 0.721 | 0.682 | 0.687 | 5.91  |      |
| 26) C 2-Nitrophenol        | 0.135          | 0.143 | 0.168 | 0.172 | 0.196 | 0.192 | 0.189 | 0.171 | 14.05 |      |
| 27) 2,4-Dimethylph...      | 0.273          | 0.279 | 0.300 | 0.298 | 0.329 | 0.318 | 0.309 | 0.301 | 6.60  |      |
| 28) bis(2-Chloroet...      | 0.403          | 0.391 | 0.411 | 0.399 | 0.443 | 0.419 | 0.405 | 0.410 | 4.15  |      |
| 29) C 2,4-Dichloroph...    | 0.250          | 0.258 | 0.290 | 0.291 | 0.327 | 0.316 | 0.309 | 0.292 | 9.96  |      |
| 30) 1,2,4-Trichlor...      | 0.346          | 0.322 | 0.327 | 0.306 | 0.347 | 0.329 | 0.323 | 0.329 | 4.33  |      |
| 31) Naphthalene            | 1.064          | 1.026 | 1.049 | 0.980 | 1.091 | 1.037 | 1.007 | 1.036 | 3.54  |      |
| 32) Benzoic acid           |                | 0.089 | 0.146 | 0.191 | 0.215 | 0.220 | 0.225 | 0.181 | 29.55 |      |
| 33) 4-Chloroaniline        | 0.348          | 0.371 | 0.420 | 0.418 | 0.465 | 0.462 | 0.442 | 0.418 | 10.62 |      |
| 34) C Hexachlorobuta...    | 0.231          | 0.214 | 0.211 | 0.198 | 0.222 | 0.209 | 0.206 | 0.213 | 5.08  |      |
| 35) Caprolactam            | 0.082          | 0.092 | 0.104 | 0.109 | 0.121 | 0.121 | 0.110 | 0.106 | 13.80 |      |
| 36) C 4-Chloro-3-met...    | 0.316          | 0.325 | 0.358 | 0.356 | 0.391 | 0.384 | 0.359 | 0.356 | 7.78  |      |
| 37) 2-Methylnaphth...      | 0.673          | 0.654 | 0.670 | 0.640 | 0.713 | 0.693 | 0.654 | 0.671 | 3.73  |      |
| 38) 1-Methylnaphth...      | 0.741          | 0.700 | 0.720 | 0.690 | 0.751 | 0.733 | 0.690 | 0.718 | 3.47  |      |

Method Path : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\  
 Method File : 8270E-BP051325.M

|       |                   |                |       |       |       |       |       |       |       |       |  |
|-------|-------------------|----------------|-------|-------|-------|-------|-------|-------|-------|-------|--|
| 39) I | Acenaphthene-d10  | -----ISTD----- |       |       |       |       |       |       |       |       |  |
| 40)   | 1,2,4,5-Tetrac... | 0.593          | 0.558 | 0.574 | 0.549 | 0.625 | 0.580 | 0.586 | 0.581 | 4.26  |  |
| 41) P | Hexachlorocycl... | 0.250          | 0.276 | 0.350 | 0.356 | 0.420 | 0.391 | 0.421 | 0.352 | 19.02 |  |
| 42) S | 2,4,6-Tribromo... | 0.324          | 0.321 | 0.335 | 0.323 | 0.369 | 0.357 | 0.346 | 0.339 | 5.49  |  |
| 43) C | 2,4,6-Trichlor... | 0.305          | 0.341 | 0.375 | 0.371 | 0.428 | 0.410 | 0.402 | 0.376 | 11.29 |  |
| 44)   | 2,4,5-Trichlor... | 0.376          | 0.375 | 0.418 | 0.404 | 0.471 | 0.447 | 0.440 | 0.419 | 8.68  |  |
| 45) S | 2-Fluorobiphenyl  | 1.601          | 1.498 | 1.553 | 1.432 | 1.602 | 1.515 | 1.485 | 1.527 | 4.10  |  |
| 46)   | 1,1'-Biphenyl     | 1.524          | 1.434 | 1.492 | 1.383 | 1.586 | 1.473 | 1.456 | 1.478 | 4.40  |  |
| 47)   | 2-Chloronaphth... | 1.147          | 1.106 | 1.131 | 1.065 | 1.196 | 1.132 | 1.113 | 1.127 | 3.56  |  |
| 48)   | 2-Nitroaniline    | 0.279          | 0.304 | 0.331 | 0.335 | 0.381 | 0.364 | 0.343 | 0.334 | 10.28 |  |
| 49)   | Acenaphthylene    | 1.845          | 1.818 | 1.920 | 1.804 | 2.029 | 1.930 | 1.856 | 1.886 | 4.19  |  |
| 50)   | Dimethylphthalate | 1.570          | 1.527 | 1.518 | 1.450 | 1.611 | 1.535 | 1.460 | 1.524 | 3.73  |  |
| 51)   | 2,6-Dinitrotol... | 0.299          | 0.308 | 0.326 | 0.312 | 0.354 | 0.337 | 0.319 | 0.322 | 5.75  |  |
| 52) C | Acenaphthene      | 1.105          | 1.054 | 1.094 | 1.028 | 1.159 | 1.099 | 1.052 | 1.084 | 4.02  |  |
| 53)   | 3-Nitroaniline    | 0.258          | 0.275 | 0.329 | 0.340 | 0.379 | 0.370 | 0.350 | 0.329 | 14.04 |  |
| 54) P | 2,4-Dinitrophenol | 0.098          | 0.143 | 0.172 | 0.201 | 0.201 | 0.201 | 0.169 |       | 24.79 |  |
| 55)   | Dibenzofuran      | 1.810          | 1.716 | 1.740 | 1.633 | 1.816 | 1.733 | 1.658 | 1.730 | 4.00  |  |
| 56) P | 4-Nitrophenol     | 0.159          | 0.222 | 0.257 | 0.299 | 0.288 | 0.274 | 0.250 |       | 20.82 |  |
| 57)   | 2,4-Dinitrotol... | 0.400          | 0.422 | 0.456 | 0.454 | 0.508 | 0.483 | 0.454 | 0.454 | 7.87  |  |
| 58)   | Fluorene          | 1.466          | 1.415 | 1.410 | 1.336 | 1.494 | 1.410 | 1.341 | 1.410 | 4.14  |  |
| 59)   | 2,3,4,6-Tetrac... | 0.367          | 0.364 | 0.381 | 0.379 | 0.428 | 0.406 | 0.394 | 0.388 | 5.89  |  |
| 60)   | Diethylphthalate  | 1.593          | 1.542 | 1.537 | 1.444 | 1.639 | 1.563 | 1.468 | 1.541 | 4.40  |  |
| 61)   | 4-Chlorophenyl... | 0.752          | 0.697 | 0.700 | 0.656 | 0.741 | 0.709 | 0.668 | 0.703 | 5.01  |  |
| 62)   | 4-Nitroaniline    | 0.228          | 0.259 | 0.326 | 0.330 | 0.375 | 0.363 | 0.341 | 0.317 | 17.06 |  |
| 63)   | Azobenzene        | 1.327          | 1.299 | 1.356 | 1.250 | 1.407 | 1.343 | 1.243 | 1.318 | 4.45  |  |
| 64) I | Phenanthrene-d10  | -----ISTD----- |       |       |       |       |       |       |       |       |  |
| 65)   | 4,6-Dinitro-2-... | 0.094          | 0.120 | 0.129 | 0.149 | 0.143 | 0.141 | 0.129 |       | 15.64 |  |
| 66) c | n-Nitrosodiphe... | 0.603          | 0.589 | 0.627 | 0.593 | 0.667 | 0.621 | 0.600 | 0.614 | 4.41  |  |
| 67)   | 4-Bromophenyl-... | 0.231          | 0.223 | 0.237 | 0.226 | 0.252 | 0.242 | 0.240 | 0.236 | 4.31  |  |
| 68)   | Hexachlorobenzene | 0.303          | 0.288 | 0.298 | 0.282 | 0.321 | 0.304 | 0.300 | 0.299 | 4.25  |  |
| 69)   | Atrazine          | 0.210          | 0.209 | 0.227 | 0.218 | 0.248 | 0.237 | 0.226 | 0.225 | 6.32  |  |
| 70) C | Pentachlorophenol | 0.124          | 0.137 | 0.163 | 0.172 | 0.198 | 0.191 | 0.192 | 0.168 | 17.12 |  |
| 71)   | Phenanthrene      | 1.144          | 1.085 | 1.125 | 1.051 | 1.170 | 1.125 | 1.083 | 1.112 | 3.68  |  |
| 72)   | Anthracene        | 1.097          | 1.064 | 1.142 | 1.075 | 1.205 | 1.139 | 1.108 | 1.119 | 4.31  |  |
| 73)   | Carbazole         | 0.923          | 0.944 | 1.039 | 1.001 | 1.114 | 1.053 | 1.013 | 1.012 | 6.43  |  |
| 74)   | Di-n-butylphth... | 1.182          | 1.218 | 1.332 | 1.260 | 1.447 | 1.363 | 1.313 | 1.302 | 6.97  |  |
| 75) C | Fluoranthene      | 1.271          | 1.254 | 1.314 | 1.250 | 1.399 | 1.337 | 1.272 | 1.300 | 4.18  |  |
| 76) I | Chrysene-d12      | -----ISTD----- |       |       |       |       |       |       |       |       |  |
| 77)   | Benzidine         | 0.362          | 0.543 | 0.560 | 0.657 | 0.599 | 0.548 | 0.545 |       | 18.22 |  |
| 78)   | Pyrene            | 1.184          | 1.137 | 1.197 | 1.153 | 1.273 | 1.222 | 1.223 | 1.198 | 3.85  |  |
| 79) S | Terphenyl-d14     | 1.192          | 1.113 | 1.165 | 1.125 | 1.226 | 1.175 | 1.167 | 1.166 | 3.30  |  |
| 80)   | Butylbenzylpht... | 0.458          | 0.465 | 0.537 | 0.527 | 0.604 | 0.571 | 0.569 | 0.533 | 10.28 |  |
| 81)   | Benzo(a)anthra... | 1.251          | 1.218 | 1.253 | 1.208 | 1.336 | 1.275 | 1.250 | 1.256 | 3.36  |  |
| 82)   | 3,3'-Dichlorob... | 0.357          | 0.392 | 0.474 | 0.477 | 0.539 | 0.511 | 0.514 | 0.466 | 14.45 |  |
| 83)   | Chrysene          | 1.214          | 1.180 | 1.185 | 1.131 | 1.255 | 1.188 | 1.180 | 1.190 | 3.16  |  |
| 84)   | Bis(2-ethylhex... | 0.673          | 0.683 | 0.801 | 0.766 | 0.884 | 0.836 | 0.841 | 0.783 | 10.32 |  |
| 85) c | Di-n-octyl pht... | 1.048          | 1.116 | 1.272 | 1.280 | 1.458 | 1.376 | 1.417 | 1.281 | 11.95 |  |

Method Path : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\  
Method File : 8270E-BP051325.M

|       |                   |                |       |       |       |       |       |       |       |      |  |
|-------|-------------------|----------------|-------|-------|-------|-------|-------|-------|-------|------|--|
| 86) I | Perylene-d12      | -----ISTD----- |       |       |       |       |       |       |       |      |  |
| 87)   | Indeno(1,2,3-c... | 1.341          | 1.357 | 1.447 | 1.424 | 1.608 | 1.549 | 1.494 | 1.460 | 6.70 |  |
| 88)   | Benzo(b)fluora... | 1.028          | 1.070 | 1.152 | 1.103 | 1.288 | 1.184 | 1.189 | 1.145 | 7.58 |  |
| 89)   | Benzo(k)fluora... | 1.147          | 1.106 | 1.182 | 1.140 | 1.258 | 1.238 | 1.185 | 1.180 | 4.59 |  |
| 90) C | Benzo(a)pyrene    | 0.995          | 1.001 | 1.112 | 1.064 | 1.221 | 1.167 | 1.136 | 1.099 | 7.68 |  |
| 91)   | Dibenzo(a,h)an... | 1.068          | 1.066 | 1.186 | 1.167 | 1.321 | 1.271 | 1.236 | 1.188 | 8.18 |  |
| 92)   | Benzo(g,h,i)pe... | 1.101          | 1.106 | 1.167 | 1.147 | 1.294 | 1.242 | 1.212 | 1.181 | 6.07 |  |

(#) = Out of Range

# 2,4-Dinitrophenol

Response Ratio

5

A

B

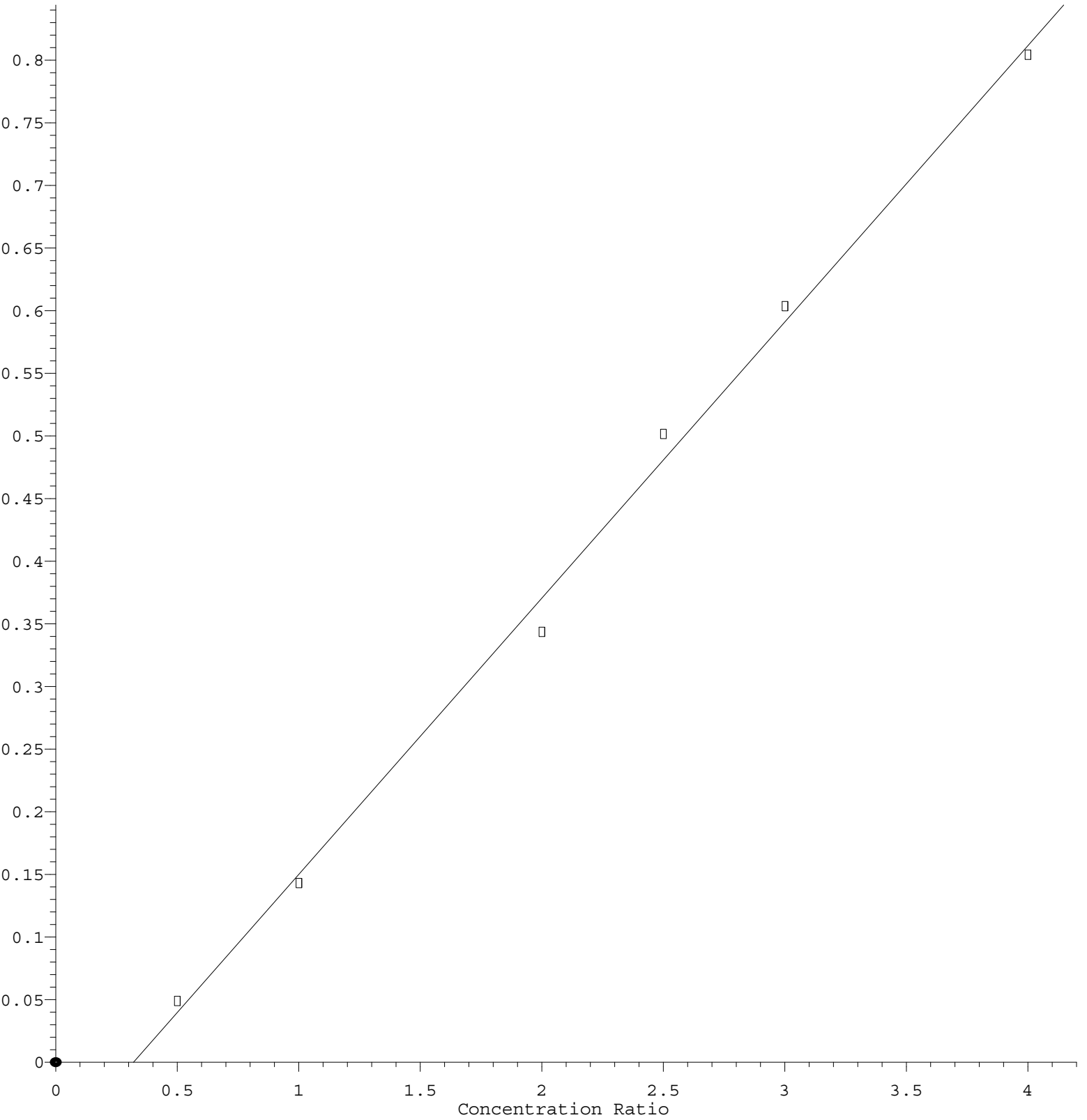
C

D

E

F

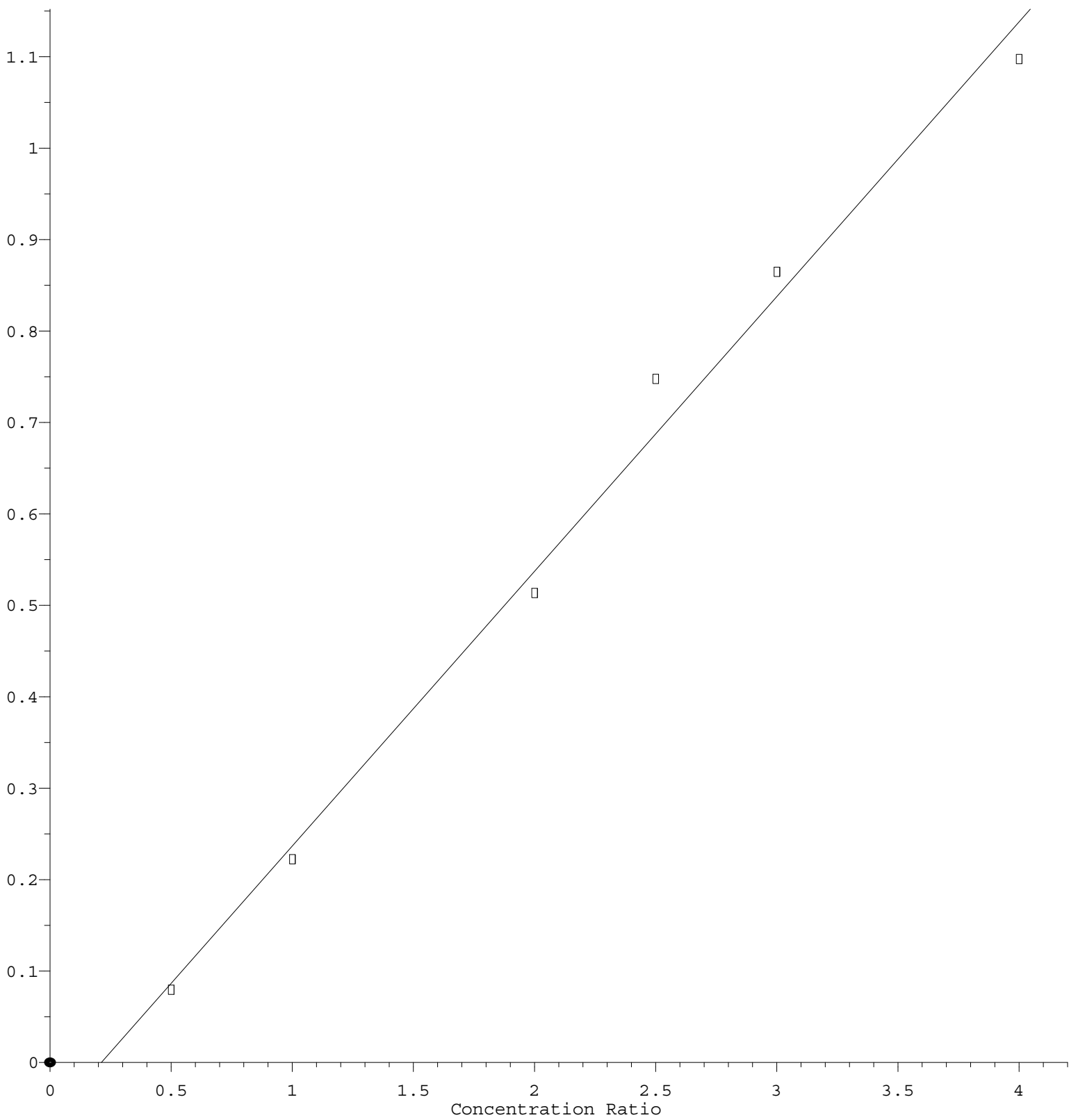
G



Response = 2.207e-001 \* Amt - 7.063e-002  
 Coef of Det (r^2) = 0.996311 Curve Fit: Linear  
 Method Name: Z:\svoasrv\HPCHEM1\BNA P\Methods\8580162051325.M  
 Calibration Table Last Updated: Tue May 13 16:21:39 2025

# 4-Nitrophenol

Response Ratio



5

A

B

C

D

E

F

G

Response = 3.005e-001 \* Amt - 6.362e-002  
 Coef of Det (r^2) = 0.991009 Curve Fit: Linear  
 Method Name: Z:\svoasrv\HPCHEM1\BNA P\Methods\8590162  
 Calibration Table Last Updated: Tue May 13 16:21:39 2025

7C

## SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: TETR06  
Lab Code: CHEM Case No.: Q2064 SAS No.: Q2064 SDG No.: Q2064  
Instrument ID: BNA\_P Calibration Date/Time: 05/20/2025 11:52  
Lab File ID: BP024703.D Init. Calib. Date(s): 05/13/2025 05/13/2025  
EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 10:41 15:26  
GC Column: ZB-GR ID: 0.25 (mm)

| COMPOUND                    | RRF   | RRF040 | MIN<br>RRF | %D    | MAX%D |
|-----------------------------|-------|--------|------------|-------|-------|
| 2-Fluorophenol              | 1.169 | 1.129  |            | -3.4  |       |
| Benzaldehyde                | 0.966 | 0.885  |            | -8.4  |       |
| Phenol-d6                   | 1.492 | 1.410  |            | -5.5  |       |
| Phenol                      | 1.540 | 1.418  |            | -7.9  | 20.0  |
| bis(2-Chloroethyl)ether     | 1.266 | 1.114  |            | -12.0 |       |
| 2-Chlorophenol              | 1.327 | 1.280  |            | -3.5  |       |
| 2-Methylphenol              | 1.105 | 1.022  |            | -7.5  |       |
| 2,2-oxybis(1-Chloropropane) | 1.516 | 1.340  |            | -11.6 |       |
| Acetophenone                | 0.500 | 0.472  |            | -5.6  |       |
| 3+4-Methylphenols           | 1.503 | 1.381  |            | -8.1  |       |
| n-Nitroso-di-n-propylamine  | 1.032 | 0.915  | 0.050      | -11.3 |       |
| Nitrobenzene-d5             | 0.396 | 0.375  |            | -5.3  |       |
| Hexachloroethane            | 0.589 | 0.545  |            | -7.5  |       |
| Nitrobenzene                | 0.348 | 0.330  |            | -5.2  |       |
| Isophorone                  | 0.687 | 0.624  |            | -9.2  |       |
| 2-Nitrophenol               | 0.171 | 0.178  |            | 4.1   | 20.0  |
| 2,4-Dimethylphenol          | 0.301 | 0.296  |            | -1.7  |       |
| bis(2-Chloroethoxy)methane  | 0.410 | 0.367  |            | -10.5 |       |
| 2,4-Dichlorophenol          | 0.292 | 0.289  |            | -1.0  | 20.0  |
| Naphthalene                 | 1.036 | 0.995  |            | -4.0  |       |
| 4-Chloroaniline             | 0.418 | 0.409  |            | -2.2  |       |
| Hexachlorobutadiene         | 0.213 | 0.211  |            | -0.9  | 20.0  |
| Caprolactam                 | 0.106 | 0.098  |            | -7.5  |       |
| 4-Chloro-3-methylphenol     | 0.356 | 0.337  |            | -5.3  | 20.0  |
| 2-Methylnaphthalene         | 0.671 | 0.634  |            | -5.5  |       |
| Hexachlorocyclopentadiene   | 0.352 | 0.351  | 0.050      | -0.3  |       |
| 2,4,6-Trichlorophenol       | 0.376 | 0.384  |            | 2.1   | 20.0  |
| 2-Fluorobiphenyl            | 1.527 | 1.512  |            | -1.0  |       |
| 2,4,5-Trichlorophenol       | 0.419 | 0.427  |            | 1.9   |       |
| 1,1-Biphenyl                | 1.478 | 1.420  |            | -3.9  |       |
| 2-Chloronaphthalene         | 1.127 | 1.097  |            | -2.7  |       |
| 2-Nitroaniline              | 0.334 | 0.320  |            | -4.2  |       |
| Dimethylphthalate           | 1.524 | 1.412  |            | -7.3  |       |
| Acenaphthylene              | 1.886 | 1.792  |            | -5.0  |       |
| 2,6-Dinitrotoluene          | 0.322 | 0.312  |            | -3.1  |       |
| 3-Nitroaniline              | 0.329 | 0.315  |            | -4.3  |       |
| Acenaphthene                | 1.084 | 1.035  |            | -4.5  | 20.0  |
| 2,4-Dinitrophenol           | 0.169 | 0.160  | 0.050      | -5.3  |       |
| 4-Nitrophenol               | 0.250 | 0.320  | 0.050      | 28.0  |       |



7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q2064 SAS No.: Q2064 SDG No.: Q2064

Instrument ID: BNA\_P Calibration Date/Time: 05/20/2025 11:52

Lab File ID: BP024703.D Init. Calib. Date(s): 05/13/2025 05/13/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 10:41 15:26

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

| COMPOUND                   | RRF   | RRF040 | MIN<br>RRF | %D    | MAX%D |
|----------------------------|-------|--------|------------|-------|-------|
| Dibenzofuran               | 1.730 | 1.654  |            | -4.4  |       |
| 2,4-Dinitrotoluene         | 0.454 | 0.441  |            | -2.9  |       |
| Diethylphthalate           | 1.541 | 1.438  |            | -6.7  |       |
| 4-Chlorophenyl-phenylether | 0.703 | 0.679  |            | -3.4  |       |
| Fluorene                   | 1.410 | 1.354  |            | -4.0  |       |
| 4-Nitroaniline             | 0.317 | 0.299  |            | -5.7  |       |
| 4,6-Dinitro-2-methylphenol | 0.129 | 0.128  |            | -0.8  |       |
| n-Nitrosodiphenylamine     | 0.614 | 0.596  |            | -2.9  | 20.0  |
| 2,4,6-Tribromophenol       | 0.339 | 0.348  |            | 2.7   |       |
| 4-Bromophenyl-phenylether  | 0.236 | 0.238  |            | 0.8   |       |
| Hexachlorobenzene          | 0.299 | 0.299  |            | 0.0   |       |
| Atrazine                   | 0.225 | 0.224  |            | -0.4  |       |
| Pentachlorophenol          | 0.168 | 0.165  |            | -1.8  | 20.0  |
| Phenanthrene               | 1.112 | 1.065  |            | -4.2  |       |
| Anthracene                 | 1.119 | 1.093  |            | -2.3  |       |
| Carbazole                  | 1.012 | 0.966  |            | -4.5  |       |
| Di-n-butylphthalate        | 1.302 | 1.263  |            | -3.0  |       |
| Fluoranthene               | 1.300 | 1.234  |            | -5.1  | 20.0  |
| Pyrene                     | 1.198 | 1.171  |            | -2.3  |       |
| Terphenyl-d14              | 1.166 | 1.167  |            | 0.1   |       |
| Butylbenzylphthalate       | 0.533 | 0.527  |            | -1.1  |       |
| 3,3-Dichlorobenzidine      | 0.466 | 0.476  |            | 2.1   |       |
| Benzo (a) anthracene       | 1.256 | 1.210  |            | -3.7  |       |
| Chrysene                   | 1.190 | 1.135  |            | -4.6  |       |
| Bis(2-ethylhexyl)phthalate | 0.783 | 0.764  |            | -2.4  |       |
| Di-n-octyl phthalate       | 1.281 | 1.290  |            | 0.7   | 20.0  |
| Benzo (b) fluoranthene     | 1.145 | 1.102  |            | -3.8  |       |
| Benzo (k) fluoranthene     | 1.180 | 1.133  |            | -4.0  |       |
| Benzo (a) pyrene           | 1.099 | 1.069  |            | -2.7  | 20.0  |
| Indeno (1,2,3-cd) pyrene   | 1.460 | 1.420  |            | -2.7  |       |
| Dibenzo (a,h) anthracene   | 1.188 | 1.154  |            | -2.9  |       |
| Benzo (g,h,i) perylene     | 1.181 | 1.129  |            | -4.4  |       |
| 1,2,4,5-Tetrachlorobenzene | 0.581 | 0.583  |            | 0.3   |       |
| 1,4-Dioxane                | 0.549 | 0.490  |            | -10.7 | 20.0  |
| 2,3,4,6-Tetrachlorophenol  | 0.388 | 0.381  |            | -1.8  |       |

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.: Q2064 SAS No.: Q2064 SDG No.: Q2064

Instrument ID: BNA\_P Calibration Date/Time: 05/20/2025 22:04

Lab File ID: BP024718.D Init. Calib. Date(s): 05/13/2025 05/13/2025

EPA Sample No.: SSTDCCC040EC Init. Calib. Time(s): 10:41 15:26

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

| COMPOUND                    | RRF   | RRF040 | MIN RRF | %D    | MAX%D |
|-----------------------------|-------|--------|---------|-------|-------|
| 2-Fluorophenol              | 1.169 | 1.092  |         | -6.6  | 50.0  |
| Benzaldehyde                | 0.966 | 0.838  |         | -13.3 | 50.0  |
| Phenol-d6                   | 1.492 | 1.356  |         | -9.1  | 50.0  |
| Phenol                      | 1.540 | 1.377  |         | -10.6 | 50.0  |
| bis(2-Chloroethyl)ether     | 1.266 | 1.083  |         | -14.5 | 50.0  |
| 2-Chlorophenol              | 1.327 | 1.268  |         | -4.4  | 50.0  |
| 2-Methylphenol              | 1.105 | 1.025  |         | -7.2  | 50.0  |
| 2,2-oxybis(1-Chloropropane) | 1.516 | 1.280  |         | -15.6 | 50.0  |
| Acetophenone                | 0.500 | 0.457  |         | -8.6  | 50.0  |
| 3+4-Methylphenols           | 1.503 | 1.386  |         | -7.8  | 50.0  |
| n-Nitroso-di-n-propylamine  | 1.032 | 0.882  | 0.050   | -14.5 | 50.0  |
| Nitrobenzene-d5             | 0.396 | 0.354  |         | -10.6 | 50.0  |
| Hexachloroethane            | 0.589 | 0.534  |         | -9.3  | 50.0  |
| Nitrobenzene                | 0.348 | 0.305  |         | -12.4 | 50.0  |
| Isophorone                  | 0.687 | 0.600  |         | -12.7 | 50.0  |
| 2-Nitrophenol               | 0.171 | 0.177  |         | 3.5   | 50.0  |
| 2,4-Dimethylphenol          | 0.301 | 0.290  |         | -3.7  | 50.0  |
| bis(2-Chloroethoxy)methane  | 0.410 | 0.351  |         | -14.4 | 50.0  |
| 2,4-Dichlorophenol          | 0.292 | 0.292  |         | 0.0   | 50.0  |
| Naphthalene                 | 1.036 | 0.990  |         | -4.4  | 50.0  |
| 4-Chloroaniline             | 0.418 | 0.409  |         | -2.2  | 50.0  |
| Hexachlorobutadiene         | 0.213 | 0.212  |         | -0.5  | 50.0  |
| Caprolactam                 | 0.106 | 0.103  |         | -2.8  | 50.0  |
| 4-Chloro-3-methylphenol     | 0.356 | 0.345  |         | -3.1  | 50.0  |
| 2-Methylnaphthalene         | 0.671 | 0.644  |         | -4.0  | 50.0  |
| Hexachlorocyclopentadiene   | 0.352 | 0.353  | 0.050   | 0.3   | 50.0  |
| 2,4,6-Trichlorophenol       | 0.376 | 0.399  |         | 6.1   | 50.0  |
| 2-Fluorobiphenyl            | 1.527 | 1.493  |         | -2.2  | 50.0  |
| 2,4,5-Trichlorophenol       | 0.419 | 0.440  |         | 5.0   | 50.0  |
| 1,1-Biphenyl                | 1.478 | 1.442  |         | -2.4  | 50.0  |
| 2-Chloronaphthalene         | 1.127 | 1.121  |         | -0.5  | 50.0  |
| 2-Nitroaniline              | 0.334 | 0.327  |         | -2.1  | 50.0  |
| Dimethylphthalate           | 1.524 | 1.441  |         | -5.4  | 50.0  |
| Acenaphthylene              | 1.886 | 1.808  |         | -4.1  | 50.0  |
| 2,6-Dinitrotoluene          | 0.322 | 0.307  |         | -4.7  | 50.0  |
| 3-Nitroaniline              | 0.329 | 0.314  |         | -4.6  | 50.0  |
| Acenaphthene                | 1.084 | 1.038  |         | -4.2  | 50.0  |
| 2,4-Dinitrophenol           | 0.169 | 0.154  | 0.050   | -8.9  | 50.0  |
| 4-Nitrophenol               | 0.250 | 0.339  | 0.050   | 35.6  | 50.0  |

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q2064 SAS No.: Q2064 SDG No.: Q2064

Instrument ID: BNA\_P Calibration Date/Time: 05/20/2025 22:04

Lab File ID: BP024718.D Init. Calib. Date(s): 05/13/2025 05/13/2025

EPA Sample No.: SSTDCCC040EC Init. Calib. Time(s): 10:41 15:26

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

| COMPOUND                   | RRF   | RRF040 | MIN<br>RRF | %D    | MAX%D |
|----------------------------|-------|--------|------------|-------|-------|
| Dibenzofuran               | 1.730 | 1.664  |            | -3.8  | 50.0  |
| 2,4-Dinitrotoluene         | 0.454 | 0.455  |            | 0.2   | 50.0  |
| Diethylphthalate           | 1.541 | 1.454  |            | -5.6  | 50.0  |
| 4-Chlorophenyl-phenylether | 0.703 | 0.687  |            | -2.3  | 50.0  |
| Fluorene                   | 1.410 | 1.366  |            | -3.1  | 50.0  |
| 4-Nitroaniline             | 0.317 | 0.313  |            | -1.3  | 50.0  |
| 4,6-Dinitro-2-methylphenol | 0.129 | 0.126  |            | -2.3  | 50.0  |
| n-Nitrosodiphenylamine     | 0.614 | 0.608  |            | -1.0  | 50.0  |
| 2,4,6-Tribromophenol       | 0.339 | 0.363  |            | 7.1   | 50.0  |
| 4-Bromophenyl-phenylether  | 0.236 | 0.239  |            | 1.3   | 50.0  |
| Hexachlorobenzene          | 0.299 | 0.304  |            | 1.7   | 50.0  |
| Atrazine                   | 0.225 | 0.226  |            | 0.4   | 50.0  |
| Pentachlorophenol          | 0.168 | 0.252  |            | 50.0  | 50.0  |
| Phenanthrene               | 1.112 | 1.068  |            | -4.0  | 50.0  |
| Anthracene                 | 1.119 | 1.103  |            | -1.4  | 50.0  |
| Carbazole                  | 1.012 | 0.988  |            | -2.4  | 50.0  |
| Di-n-butylphthalate        | 1.302 | 1.289  |            | -1.0  | 50.0  |
| Fluoranthene               | 1.300 | 1.253  |            | -3.6  | 50.0  |
| Pyrene                     | 1.198 | 1.170  |            | -2.3  | 50.0  |
| Terphenyl-d14              | 1.166 | 1.166  |            | 0.0   | 50.0  |
| Butylbenzylphthalate       | 0.533 | 0.540  |            | 1.3   | 50.0  |
| 3,3-Dichlorobenzidine      | 0.466 | 0.494  |            | 6.0   | 50.0  |
| Benzo (a) anthracene       | 1.256 | 1.204  |            | -4.1  | 50.0  |
| Chrysene                   | 1.190 | 1.133  |            | -4.8  | 50.0  |
| Bis(2-ethylhexyl)phthalate | 0.783 | 0.781  |            | -0.3  | 50.0  |
| Di-n-octyl phthalate       | 1.281 | 1.349  |            | 5.3   | 50.0  |
| Benzo (b) fluoranthene     | 1.145 | 1.086  |            | -5.2  | 50.0  |
| Benzo (k) fluoranthene     | 1.180 | 1.096  |            | -7.1  | 50.0  |
| Benzo (a) pyrene           | 1.099 | 1.047  |            | -4.7  | 50.0  |
| Indeno (1,2,3-cd) pyrene   | 1.460 | 1.407  |            | -3.6  | 50.0  |
| Dibenzo (a,h) anthracene   | 1.188 | 1.146  |            | -3.5  | 50.0  |
| Benzo (g,h,i) perylene     | 1.181 | 1.125  |            | -4.7  | 50.0  |
| 1,2,4,5-Tetrachlorobenzene | 0.581 | 0.572  |            | -1.5  | 50.0  |
| 1,4-Dioxane                | 0.549 | 0.467  |            | -14.9 | 50.0  |
| 2,3,4,6-Tetrachlorophenol  | 0.388 | 0.398  |            | 2.6   | 50.0  |

All other compounds must meet a minimum RRF of 0.010.

## LAB CHRONICLE

|                 |                      |                   |                               |
|-----------------|----------------------|-------------------|-------------------------------|
| <b>OrderID:</b> | Q2064                | <b>OrderDate:</b> | 5/16/2025 10:39:00 AM         |
| <b>Client:</b>  | Tetra Tech NUS, Inc. | <b>Project:</b>   | NWIRP Bethpage 112G08005-WE13 |
| <b>Contact:</b> | Ernie Wu             | <b>Location:</b>  | L41                           |

| LabID           | ClientID                          | Matrix       | Test           | Method        | Sample Date     | Prep Date | Anal Date | Received        |
|-----------------|-----------------------------------|--------------|----------------|---------------|-----------------|-----------|-----------|-----------------|
| <b>Q2064-01</b> | <b>RW8-SP100-70-20250<br/>514</b> | <b>Water</b> |                |               | <b>05/14/25</b> |           |           | <b>05/16/25</b> |
|                 |                                   |              | SVOC-SIMGroup1 | 8270-Modified |                 | 05/16/25  | 05/19/25  |                 |
| <b>Q2064-02</b> | <b>RW8-SP201-70-20250<br/>514</b> | <b>Water</b> |                |               | <b>05/14/25</b> |           |           | <b>05/16/25</b> |
|                 |                                   |              | SVOC-SIMGroup1 | 8270-Modified |                 | 05/16/25  | 05/19/25  |                 |
| <b>Q2064-03</b> | <b>RW8-SP301-70-20250<br/>514</b> | <b>Water</b> |                |               | <b>05/14/25</b> |           |           | <b>05/16/25</b> |
|                 |                                   |              | SVOC-SIMGroup1 | 8270-Modified |                 | 05/16/25  | 05/19/25  |                 |
| <b>Q2064-04</b> | <b>RW8-SP303-70-20250<br/>514</b> | <b>Water</b> |                |               | <b>05/14/25</b> |           |           | <b>05/16/25</b> |
|                 |                                   |              | SVOC-SIMGroup1 | 8270-Modified |                 | 05/16/25  | 05/19/25  |                 |
| <b>Q2064-05</b> | <b>RW8-SP100-90-20250<br/>514</b> | <b>Water</b> |                |               | <b>05/14/25</b> |           |           | <b>05/16/25</b> |
|                 |                                   |              | SVOC-SIMGroup1 | 8270-Modified |                 | 05/16/25  | 05/19/25  |                 |
| <b>Q2064-06</b> | <b>RW8-SP201-90-20250<br/>514</b> | <b>Water</b> |                |               | <b>05/14/25</b> |           |           | <b>05/16/25</b> |
|                 |                                   |              | SVOC-SIMGroup1 | 8270-Modified |                 | 05/16/25  | 05/19/25  |                 |
| <b>Q2064-07</b> | <b>RW8-SP301-90-20250<br/>514</b> | <b>Water</b> |                |               | <b>05/14/25</b> |           |           | <b>05/16/25</b> |
|                 |                                   |              | SVOC-SIMGroup1 | 8270-Modified |                 | 05/16/25  | 05/19/25  |                 |
| <b>Q2064-08</b> | <b>RW8-SP303-90-20250<br/>514</b> | <b>Water</b> |                |               | <b>05/14/25</b> |           |           | <b>05/16/25</b> |
|                 |                                   |              | SVOC-SIMGroup1 | 8270-Modified |                 | 05/16/25  | 05/19/25  |                 |



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

### Hit Summary Sheet SW-846

**SDG No.:** Q2064  
**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: | 05/14/25       |
| Project:           | NWIRP Bethpage 112G08005-WE13 | Date Received:  | 05/16/25       |
| Client Sample ID:  | RW8-SP100-70-20250514         | SDG No.:        | Q2064          |
| Lab Sample ID:     | Q2064-01                      | 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 |
| BN037040.D        | 1         | 05/16/25 11:50 | 05/19/25 12:02 | PB168032      |

| 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 | 0.33  |           | 30 - 150 |      | 82%        | SPK: 0.4 |
| 93951-69-0                | Fluoranthene-d10        | 0.36  |           | 30 - 150 |      | 89%        | SPK: 0.4 |
| 4165-60-0                 | Nitrobenzene-d5         | 0.31  |           | 55 - 111 |      | 76%        | SPK: 0.4 |
| 321-60-8                  | 2-Fluorobiphenyl        | 0.30  |           | 53 - 106 |      | 76%        | SPK: 0.4 |
| 1718-51-0                 | Terphenyl-d14           | 0.48  |           | 58 - 132 |      | 120%       | SPK: 0.4 |
| <b>INTERNAL STANDARDS</b> |                         |       |           |          |      |            |          |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4  | 2280  | 7.618     |          |      |            |          |
| 1146-65-2                 | Naphthalene-d8          | 5860  | 10.393    |          |      |            |          |
| 15067-26-2                | Acenaphthene-d10        | 3460  | 14.266    |          |      |            |          |
| 1517-22-2                 | Phenanthrene-d10        | 6950  | 17.008    |          |      |            |          |
| 1719-03-5                 | Chrysene-d12            | 5150  | 21.206    |          |      |            |          |
| 1520-96-3                 | Perylene-d12            | 4430  | 23.412    |          |      |            |          |

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: | 05/14/25       |
| Project:           | NWIRP Bethpage 112G08005-WE13 | Date Received:  | 05/16/25       |
| Client Sample ID:  | RW8-SP201-70-20250514         | SDG No.:        | Q2064          |
| Lab Sample ID:     | Q2064-02                      | 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 |
| BN037041.D        | 1         | 05/16/25 11:50 | 05/19/25 12:38 | PB168032      |

| 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 | 0.31  |           | 30 - 150 |      | 78%        | SPK: 0.4 |
| 93951-69-0                | Fluoranthene-d10        | 0.36  |           | 30 - 150 |      | 90%        | SPK: 0.4 |
| 4165-60-0                 | Nitrobenzene-d5         | 0.31  |           | 55 - 111 |      | 77%        | SPK: 0.4 |
| 321-60-8                  | 2-Fluorobiphenyl        | 0.33  |           | 53 - 106 |      | 82%        | SPK: 0.4 |
| 1718-51-0                 | Terphenyl-d14           | 0.48  |           | 58 - 132 |      | 119%       | SPK: 0.4 |
| <b>INTERNAL STANDARDS</b> |                         |       |           |          |      |            |          |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4  | 2120  | 7.618     |          |      |            |          |
| 1146-65-2                 | Naphthalene-d8          | 5490  | 10.394    |          |      |            |          |
| 15067-26-2                | Acenaphthene-d10        | 3250  | 14.266    |          |      |            |          |
| 1517-22-2                 | Phenanthrene-d10        | 6450  | 17.009    |          |      |            |          |
| 1719-03-5                 | Chrysene-d12            | 4690  | 21.206    |          |      |            |          |
| 1520-96-3                 | Perylene-d12            | 3970  | 23.409    |          |      |            |          |

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N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

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() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products



## Report of Analysis

|                    |                               |                 |                |
|--------------------|-------------------------------|-----------------|----------------|
| Client:            | Tetra Tech NUS, Inc.          | Date Collected: | 05/14/25       |
| Project:           | NWIRP Bethpage 112G08005-WE13 | Date Received:  | 05/16/25       |
| Client Sample ID:  | RW8-SP301-70-20250514         | SDG No.:        | Q2064          |
| Lab Sample ID:     | Q2064-03                      | 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 |
| BN037042.D        | 1         | 05/16/25 11:50 | 05/19/25 13:14 | PB168032      |

| 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 | 0.31  |           | 30 - 150 |      | 77%        | SPK: 0.4 |
| 93951-69-0                | Fluoranthene-d10        | 0.38  |           | 30 - 150 |      | 94%        | SPK: 0.4 |
| 4165-60-0                 | Nitrobenzene-d5         | 0.29  |           | 55 - 111 |      | 74%        | SPK: 0.4 |
| 321-60-8                  | 2-Fluorobiphenyl        | 0.29  |           | 53 - 106 |      | 73%        | SPK: 0.4 |
| 1718-51-0                 | Terphenyl-d14           | 0.48  |           | 58 - 132 |      | 120%       | SPK: 0.4 |
| <b>INTERNAL STANDARDS</b> |                         |       |           |          |      |            |          |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4  | 1780  | 7.618     |          |      |            |          |
| 1146-65-2                 | Naphthalene-d8          | 4660  | 10.394    |          |      |            |          |
| 15067-26-2                | Acenaphthene-d10        | 2790  | 14.267    |          |      |            |          |
| 1517-22-2                 | Phenanthrene-d10        | 5610  | 17.009    |          |      |            |          |
| 1719-03-5                 | Chrysene-d12            | 4270  | 21.207    |          |      |            |          |
| 1520-96-3                 | Perylene-d12            | 3800  | 23.412    |          |      |            |          |

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## Report of Analysis

|                    |                               |                 |                |
|--------------------|-------------------------------|-----------------|----------------|
| Client:            | Tetra Tech NUS, Inc.          | Date Collected: | 05/14/25       |
| Project:           | NWIRP Bethpage 112G08005-WE13 | Date Received:  | 05/16/25       |
| Client Sample ID:  | RW8-SP303-70-20250514         | SDG No.:        | Q2064          |
| Lab Sample ID:     | Q2064-04                      | 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 |
| BN037043.D        | 1         | 05/16/25 11:50 | 05/19/25 13:50 | PB168032      |

| 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 | 0.31  |           | 30 - 150 |      | 78%        | SPK: 0.4 |
| 93951-69-0                | Fluoranthene-d10        | 0.40  |           | 30 - 150 |      | 100%       | SPK: 0.4 |
| 4165-60-0                 | Nitrobenzene-d5         | 0.31  |           | 55 - 111 |      | 77%        | SPK: 0.4 |
| 321-60-8                  | 2-Fluorobiphenyl        | 0.31  |           | 53 - 106 |      | 77%        | SPK: 0.4 |
| 1718-51-0                 | Terphenyl-d14           | 0.42  |           | 58 - 132 |      | 105%       | SPK: 0.4 |
| <b>INTERNAL STANDARDS</b> |                         |       |           |          |      |            |          |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4  | 2000  | 7.611     |          |      |            |          |
| 1146-65-2                 | Naphthalene-d8          | 5430  | 10.394    |          |      |            |          |
| 15067-26-2                | Acenaphthene-d10        | 3160  | 14.256    |          |      |            |          |
| 1517-22-2                 | Phenanthrene-d10        | 6700  | 17.009    |          |      |            |          |
| 1719-03-5                 | Chrysene-d12            | 6430  | 21.206    |          |      |            |          |
| 1520-96-3                 | Perylene-d12            | 6030  | 23.409    |          |      |            |          |

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A = Aldol-Condensation Reaction Products

## Report of Analysis

|                    |                               |                 |                |
|--------------------|-------------------------------|-----------------|----------------|
| Client:            | Tetra Tech NUS, Inc.          | Date Collected: | 05/14/25       |
| Project:           | NWIRP Bethpage 112G08005-WE13 | Date Received:  | 05/16/25       |
| Client Sample ID:  | RW8-SP100-90-20250514         | SDG No.:        | Q2064          |
| Lab Sample ID:     | Q2064-05                      | 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 |
| BN037044.D        | 1         | 05/16/25 11:50 | 05/19/25 14:26 | PB168032      |

| 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 | 0.34  |           | 30 - 150 |      | 84%        | SPK: 0.4 |
| 93951-69-0                | Fluoranthene-d10        | 0.39  |           | 30 - 150 |      | 97%        | SPK: 0.4 |
| 4165-60-0                 | Nitrobenzene-d5         | 0.30  |           | 55 - 111 |      | 75%        | SPK: 0.4 |
| 321-60-8                  | 2-Fluorobiphenyl        | 0.33  |           | 53 - 106 |      | 83%        | SPK: 0.4 |
| 1718-51-0                 | Terphenyl-d14           | 0.47  |           | 58 - 132 |      | 117%       | SPK: 0.4 |
| <b>INTERNAL STANDARDS</b> |                         |       |           |          |      |            |          |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4  | 2320  | 7.618     |          |      |            |          |
| 1146-65-2                 | Naphthalene-d8          | 6300  | 10.394    |          |      |            |          |
| 15067-26-2                | Acenaphthene-d10        | 3790  | 14.267    |          |      |            |          |
| 1517-22-2                 | Phenanthrene-d10        | 7490  | 17.009    |          |      |            |          |
| 1719-03-5                 | Chrysene-d12            | 5980  | 21.207    |          |      |            |          |
| 1520-96-3                 | Perylene-d12            | 5450  | 23.409    |          |      |            |          |

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## Report of Analysis

|                    |                               |                 |                |
|--------------------|-------------------------------|-----------------|----------------|
| Client:            | Tetra Tech NUS, Inc.          | Date Collected: | 05/14/25       |
| Project:           | NWIRP Bethpage 112G08005-WE13 | Date Received:  | 05/16/25       |
| Client Sample ID:  | RW8-SP201-90-20250514         | SDG No.:        | Q2064          |
| Lab Sample ID:     | Q2064-06                      | 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 |
| BN037045.D        | 1         | 05/16/25 11:50 | 05/19/25 15:03 | PB168032      |

| 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 | 0.31  |           | 30 - 150 |      | 76%        | SPK: 0.4 |
| 93951-69-0                | Fluoranthene-d10        | 0.37  |           | 30 - 150 |      | 93%        | SPK: 0.4 |
| 4165-60-0                 | Nitrobenzene-d5         | 0.29  |           | 55 - 111 |      | 72%        | SPK: 0.4 |
| 321-60-8                  | 2-Fluorobiphenyl        | 0.34  |           | 53 - 106 |      | 84%        | SPK: 0.4 |
| 1718-51-0                 | Terphenyl-d14           | 0.47  |           | 58 - 132 |      | 118%       | SPK: 0.4 |
| <b>INTERNAL STANDARDS</b> |                         |       |           |          |      |            |          |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4  | 2090  | 7.618     |          |      |            |          |
| 1146-65-2                 | Naphthalene-d8          | 5670  | 10.394    |          |      |            |          |
| 15067-26-2                | Acenaphthene-d10        | 3260  | 14.267    |          |      |            |          |
| 1517-22-2                 | Phenanthrene-d10        | 6500  | 17.009    |          |      |            |          |
| 1719-03-5                 | Chrysene-d12            | 5190  | 21.207    |          |      |            |          |
| 1520-96-3                 | Perylene-d12            | 4620  | 23.41     |          |      |            |          |

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## Report of Analysis

|                    |                               |                 |                |
|--------------------|-------------------------------|-----------------|----------------|
| Client:            | Tetra Tech NUS, Inc.          | Date Collected: | 05/14/25       |
| Project:           | NWIRP Bethpage 112G08005-WE13 | Date Received:  | 05/16/25       |
| Client Sample ID:  | RW8-SP301-90-20250514         | SDG No.:        | Q2064          |
| Lab Sample ID:     | Q2064-07                      | 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 |
| BN037046.D        | 1         | 05/16/25 11:50 | 05/19/25 15:39 | PB168032      |

| 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 | 0.32  |           | 30 - 150 |      | 79%        | SPK: 0.4 |
| 93951-69-0                | Fluoranthene-d10        | 0.38  |           | 30 - 150 |      | 94%        | SPK: 0.4 |
| 4165-60-0                 | Nitrobenzene-d5         | 0.31  |           | 55 - 111 |      | 78%        | SPK: 0.4 |
| 321-60-8                  | 2-Fluorobiphenyl        | 0.30  |           | 53 - 106 |      | 75%        | SPK: 0.4 |
| 1718-51-0                 | Terphenyl-d14           | 0.47  |           | 58 - 132 |      | 117%       | SPK: 0.4 |
| <b>INTERNAL STANDARDS</b> |                         |       |           |          |      |            |          |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4  | 2280  | 7.611     |          |      |            |          |
| 1146-65-2                 | Naphthalene-d8          | 6030  | 10.393    |          |      |            |          |
| 15067-26-2                | Acenaphthene-d10        | 3510  | 14.266    |          |      |            |          |
| 1517-22-2                 | Phenanthrene-d10        | 6890  | 17.009    |          |      |            |          |
| 1719-03-5                 | Chrysene-d12            | 5520  | 21.206    |          |      |            |          |
| 1520-96-3                 | Perylene-d12            | 4790  | 23.409    |          |      |            |          |

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## Report of Analysis

|                    |                               |                 |                |
|--------------------|-------------------------------|-----------------|----------------|
| Client:            | Tetra Tech NUS, Inc.          | Date Collected: | 05/14/25       |
| Project:           | NWIRP Bethpage 112G08005-WE13 | Date Received:  | 05/16/25       |
| Client Sample ID:  | RW8-SP303-90-20250514         | SDG No.:        | Q2064          |
| Lab Sample ID:     | Q2064-08                      | Matrix:         | Water          |
| Analytical Method: | SW8270ESIM                    | % Solid:        | 0              |
| Sample Wt/Vol:     | 980 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 |
| BN037047.D        | 1         | 05/16/25 11:50 | 05/19/25 16:15 | PB168032      |

| 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 | 0.28  |           | 30 - 150 |      | 70%        | SPK: 0.4 |
| 93951-69-0                | Fluoranthene-d10        | 0.34  |           | 30 - 150 |      | 86%        | SPK: 0.4 |
| 4165-60-0                 | Nitrobenzene-d5         | 0.28  |           | 55 - 111 |      | 70%        | SPK: 0.4 |
| 321-60-8                  | 2-Fluorobiphenyl        | 0.28  |           | 53 - 106 |      | 71%        | SPK: 0.4 |
| 1718-51-0                 | Terphenyl-d14           | 0.52  |           | 58 - 132 |      | 130%       | SPK: 0.4 |
| <b>INTERNAL STANDARDS</b> |                         |       |           |          |      |            |          |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4  | 2030  | 7.618     |          |      |            |          |
| 1146-65-2                 | Naphthalene-d8          | 5460  | 10.393    |          |      |            |          |
| 15067-26-2                | Acenaphthene-d10        | 3220  | 14.256    |          |      |            |          |
| 1517-22-2                 | Phenanthrene-d10        | 6590  | 17.008    |          |      |            |          |
| 1719-03-5                 | Chrysene-d12            | 5250  | 21.206    |          |      |            |          |
| 1520-96-3                 | Perylene-d12            | 4400  | 23.409    |          |      |            |          |

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# QC SUMMARY

## Surrogate Summary

SW-846

SDG No.: Q2064

Client: Tetra Tech NUS, Inc.

Analytical Method: 8270-Modified

| Lab Sample ID | Client ID             | Parameter               | Spike (PPM) | Result (PPM) | Recovery (%) | Qual | Limits (%) |      |
|---------------|-----------------------|-------------------------|-------------|--------------|--------------|------|------------|------|
|               |                       |                         |             |              |              |      | Low        | High |
| PB168032BL    | PB168032BL            | 2-Methylnaphthalene-d10 | 0.4         | 0.36         | 90           |      | 30         | 150  |
|               |                       | Fluoranthene-d10        | 0.4         | 0.34         | 84           |      | 30         | 150  |
|               |                       | Nitrobenzene-d5         | 0.4         | 0.32         | 81           |      | 55         | 111  |
|               |                       | 2-Fluorobiphenyl        | 0.4         | 0.34         | 84           |      | 53         | 106  |
|               |                       | Terphenyl-d14           | 0.4         | 0.42         | 104          |      | 58         | 132  |
| PB168032BS    | PB168032BS            | 2-Methylnaphthalene-d10 | 0.4         | 0.39         | 96           |      | 30         | 150  |
|               |                       | Fluoranthene-d10        | 0.4         | 0.33         | 81           |      | 30         | 150  |
|               |                       | Nitrobenzene-d5         | 0.4         | 0.32         | 81           |      | 55         | 111  |
|               |                       | 2-Fluorobiphenyl        | 0.4         | 0.33         | 83           |      | 53         | 106  |
|               |                       | Terphenyl-d14           | 0.4         | 0.39         | 97           |      | 58         | 132  |
| PB168032BSD   | PB168032BSD           | 2-Methylnaphthalene-d10 | 0.4         | 0.39         | 98           |      | 30         | 150  |
|               |                       | Fluoranthene-d10        | 0.4         | 0.33         | 83           |      | 30         | 150  |
|               |                       | Nitrobenzene-d5         | 0.4         | 0.35         | 88           |      | 55         | 111  |
|               |                       | 2-Fluorobiphenyl        | 0.4         | 0.33         | 83           |      | 53         | 106  |
|               |                       | Terphenyl-d14           | 0.4         | 0.42         | 104          |      | 58         | 132  |
| Q2064-01      | RW8-SP100-70-20250514 | 2-Methylnaphthalene-d10 | 0.4         | 0.33         | 82           |      | 30         | 150  |
|               |                       | Fluoranthene-d10        | 0.4         | 0.36         | 89           |      | 30         | 150  |
|               |                       | Nitrobenzene-d5         | 0.4         | 0.31         | 76           |      | 55         | 111  |
|               |                       | 2-Fluorobiphenyl        | 0.4         | 0.30         | 76           |      | 53         | 106  |
|               |                       | Terphenyl-d14           | 0.4         | 0.48         | 120          |      | 58         | 132  |
| Q2064-02      | RW8-SP201-70-20250514 | 2-Methylnaphthalene-d10 | 0.4         | 0.31         | 78           |      | 30         | 150  |
|               |                       | Fluoranthene-d10        | 0.4         | 0.36         | 90           |      | 30         | 150  |
|               |                       | Nitrobenzene-d5         | 0.4         | 0.31         | 77           |      | 55         | 111  |
|               |                       | 2-Fluorobiphenyl        | 0.4         | 0.33         | 82           |      | 53         | 106  |
|               |                       | Terphenyl-d14           | 0.4         | 0.48         | 119          |      | 58         | 132  |
| Q2064-03      | RW8-SP301-70-20250514 | 2-Methylnaphthalene-d10 | 0.4         | 0.31         | 77           |      | 30         | 150  |
|               |                       | Fluoranthene-d10        | 0.4         | 0.38         | 94           |      | 30         | 150  |
|               |                       | Nitrobenzene-d5         | 0.4         | 0.29         | 74           |      | 55         | 111  |
|               |                       | 2-Fluorobiphenyl        | 0.4         | 0.29         | 73           |      | 53         | 106  |
|               |                       | Terphenyl-d14           | 0.4         | 0.48         | 120          |      | 58         | 132  |
| Q2064-04      | RW8-SP303-70-20250514 | 2-Methylnaphthalene-d10 | 0.4         | 0.31         | 78           |      | 30         | 150  |
|               |                       | Fluoranthene-d10        | 0.4         | 0.40         | 100          |      | 30         | 150  |
|               |                       | Nitrobenzene-d5         | 0.4         | 0.31         | 77           |      | 55         | 111  |
|               |                       | 2-Fluorobiphenyl        | 0.4         | 0.31         | 77           |      | 53         | 106  |
|               |                       | Terphenyl-d14           | 0.4         | 0.42         | 105          |      | 58         | 132  |
| Q2064-05      | RW8-SP100-90-20250514 | 2-Methylnaphthalene-d10 | 0.4         | 0.34         | 84           |      | 30         | 150  |
|               |                       | Fluoranthene-d10        | 0.4         | 0.39         | 97           |      | 30         | 150  |
|               |                       | Nitrobenzene-d5         | 0.4         | 0.30         | 75           |      | 55         | 111  |
|               |                       | 2-Fluorobiphenyl        | 0.4         | 0.33         | 83           |      | 53         | 106  |
|               |                       | Terphenyl-d14           | 0.4         | 0.47         | 117          |      | 58         | 132  |
| Q2064-06      | RW8-SP201-90-20250514 | 2-Methylnaphthalene-d10 | 0.4         | 0.31         | 76           |      | 30         | 150  |
|               |                       | Fluoranthene-d10        | 0.4         | 0.37         | 93           |      | 30         | 150  |
|               |                       | Nitrobenzene-d5         | 0.4         | 0.29         | 72           |      | 55         | 111  |
|               |                       | 2-Fluorobiphenyl        | 0.4         | 0.34         | 84           |      | 53         | 106  |
|               |                       | Terphenyl-d14           | 0.4         | 0.47         | 118          |      | 58         | 132  |
| Q2064-07      | RW8-SP301-90-20250514 | 2-Methylnaphthalene-d10 | 0.4         | 0.32         | 79           |      | 30         | 150  |
|               |                       | Fluoranthene-d10        | 0.4         | 0.38         | 94           |      | 30         | 150  |
|               |                       | Nitrobenzene-d5         | 0.4         | 0.31         | 78           |      | 55         | 111  |
|               |                       | 2-Fluorobiphenyl        | 0.4         | 0.30         | 75           |      | 53         | 106  |
|               |                       | Terphenyl-d14           | 0.4         | 0.47         | 117          |      | 58         | 132  |
| Q2064-08      | RW8-SP303-90-20250514 | 2-Methylnaphthalene-d10 | 0.4         | 0.28         | 70           |      | 30         | 150  |



### Surrogate Summary

SW-846

SDG No.: Q2064

Client: Tetra Tech NUS, Inc.

Analytical Method: 8270-Modified

| Lab Sample ID | Client ID             | Parameter        | Spike (PPM) | Result (PPM) | Recovery (%) | Qual | Limits (%) |      |
|---------------|-----------------------|------------------|-------------|--------------|--------------|------|------------|------|
|               |                       |                  |             |              |              |      | Low        | High |
| Q2064-08      | RW8-SP303-90-20250514 | Fluoranthene-d10 | 0.4         | 0.34         | 86           |      | 30         | 150  |
|               |                       | Nitrobenzene-d5  | 0.4         | 0.28         | 70           |      | 55         | 111  |
|               |                       | 2-Fluorobiphenyl | 0.4         | 0.28         | 71           |      | 53         | 106  |
|               |                       | Terphenyl-d14    | 0.4         | 0.52         | 130          |      | 58         | 132  |

A

B

C

D

E

F

G

## Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2064

Client: Tetra Tech NUS, Inc.

Analytical Method: 8270-Modified DataFile: BN037080.D

| Lab Sample ID | Parameter   | Spike | Result | Unit | Rec | RPD | Qual | RPD  | Low | Limits | RPD |
|---------------|-------------|-------|--------|------|-----|-----|------|------|-----|--------|-----|
|               |             |       |        |      |     |     |      | Qual |     | High   |     |
| PB168032BS    | 1,4-Dioxane | 0.4   | 0.31   | ug/L | 78  |     |      |      | 70  | 130    |     |

## Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2064

Client: Tetra Tech NUS, Inc.

Analytical Method: 8270-Modified DataFile: BN037081.D

| Lab Sample ID | Parameter   | Spike | Result | Unit | Rec | RPD | Qual | RPD  | Low | Limits | RPD |
|---------------|-------------|-------|--------|------|-----|-----|------|------|-----|--------|-----|
|               |             |       |        |      |     |     |      | Qual |     | High   |     |
| PB168032BSD   | 1,4-Dioxane | 0.4   | 0.32   | ug/L | 80  | 3   |      |      | 70  | 130    | 20  |

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB168032BL

Lab Name: CHEMTECH

Contract: TETR06

Lab Code: CHEM Case No.: Q2064

SAS No.: Q2064 SDG NO.: Q2064

Lab File ID: BN037075.D

Lab Sample ID: PB168032BL

Instrument ID: BNA\_N

Date Extracted: 05/16/2025

Matrix: (soil/water) Water

Date Analyzed: 05/20/2025

Level: (low/med) LOW

Time Analyzed: 15:45

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 |
|-----------------------|------------------|----------------|------------------|
| PB168032BS            | PB168032BS       | BN037080.D     | 05/20/2025       |
| PB168032BSD           | PB168032BSD      | BN037081.D     | 05/20/2025       |
| RW8-SP100-70-20250514 | Q2064-01         | BN037040.D     | 05/19/2025       |
| RW8-SP201-70-20250514 | Q2064-02         | BN037041.D     | 05/19/2025       |
| RW8-SP301-70-20250514 | Q2064-03         | BN037042.D     | 05/19/2025       |
| RW8-SP303-70-20250514 | Q2064-04         | BN037043.D     | 05/19/2025       |
| RW8-SP100-90-20250514 | Q2064-05         | BN037044.D     | 05/19/2025       |
| RW8-SP201-90-20250514 | Q2064-06         | BN037045.D     | 05/19/2025       |
| RW8-SP301-90-20250514 | Q2064-07         | BN037046.D     | 05/19/2025       |
| RW8-SP303-90-20250514 | Q2064-08         | BN037047.D     | 05/19/2025       |

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

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK  
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: TETR06

Lab Code: CHEM

SAS No.: Q2064

SDG NO.: Q2064

Lab File ID: BN036998.D

DFTPP Injection Date: 05/13/2025

Instrument ID: BNA\_N

DFTPP Injection Time: 17:02

| m/e | ION ABUNDANCE CRITERIA             | % RELATIVE ABUNDANCE |
|-----|------------------------------------|----------------------|
| 51  | 10.0 - 80.0% of mass 198           | 62.8                 |
| 68  | Less than 2.0% of mass 69          | 0.8 ( 1.4 ) 1        |
| 69  | Mass 69 relative abundance         | 55.6                 |
| 70  | Less than 2.0% of mass 69          | 0.3 ( 0.6 ) 1        |
| 127 | 10.0 - 80.0% of mass 198           | 52.7                 |
| 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            | 6.9                  |
| 275 | 10.0 - 60.0% of mass 198           | 23.8                 |
| 365 | Greater than 1% of mass 198        | 3.9                  |
| 441 | Present, but less than mass 443    | 8.7                  |
| 442 | Greater than 50% of mass 198       | 55                   |
| 443 | 15.0 - 24.0% of mass 442           | 10.4 ( 19 ) 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       | BN036999.D     | 05/13/2025       | 17:41            |
| SSTDICC0.2        | SSTDICC0.2       | BN037000.D     | 05/13/2025       | 18:17            |
| SSTDICCC0.4       | SSTDICCC0.4      | BN037001.D     | 05/13/2025       | 18:53            |
| SSTDICC0.8        | SSTDICC0.8       | BN037002.D     | 05/13/2025       | 19:29            |
| SSTDICC1.6        | SSTDICC1.6       | BN037003.D     | 05/13/2025       | 20:05            |
| SSTDICC3.2        | SSTDICC3.2       | BN037004.D     | 05/13/2025       | 20:41            |
| SSTDICC5.0        | SSTDICC5.0       | BN037005.D     | 05/13/2025       | 21:17            |

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK  
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: TETR06

Lab Code: CHEM

SAS No.: Q2064

SDG NO.: Q2064

Lab File ID: BN037037.D

DFTPP Injection Date: 05/19/2025

Instrument ID: BNA\_N

DFTPP Injection Time: 10:08

| m/e | ION ABUNDANCE CRITERIA             | % RELATIVE ABUNDANCE |
|-----|------------------------------------|----------------------|
| 51  | 10.0 - 80.0% of mass 198           | 62.3                 |
| 68  | Less than 2.0% of mass 69          | 0.8 ( 1.4 ) 1        |
| 69  | Mass 69 relative abundance         | 55.6                 |
| 70  | Less than 2.0% of mass 69          | 0.4 ( 0.7 ) 1        |
| 127 | 10.0 - 80.0% of mass 198           | 51.1                 |
| 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            | 6.9                  |
| 275 | 10.0 - 60.0% of mass 198           | 24.7                 |
| 365 | Greater than 1% of mass 198        | 3.8                  |
| 441 | Present, but less than mass 443    | 8.8                  |
| 442 | Greater than 50% of mass 198       | 56.2                 |
| 443 | 15.0 - 24.0% of mass 442           | 10.1 ( 18 ) 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       | BN037038.D     | 05/19/2025       | 10:47            |
| RW8-SP100-70-20250514 | Q2064-01         | BN037040.D     | 05/19/2025       | 12:02            |
| RW8-SP201-70-20250514 | Q2064-02         | BN037041.D     | 05/19/2025       | 12:38            |
| RW8-SP301-70-20250514 | Q2064-03         | BN037042.D     | 05/19/2025       | 13:14            |
| RW8-SP303-70-20250514 | Q2064-04         | BN037043.D     | 05/19/2025       | 13:50            |
| RW8-SP100-90-20250514 | Q2064-05         | BN037044.D     | 05/19/2025       | 14:26            |
| RW8-SP201-90-20250514 | Q2064-06         | BN037045.D     | 05/19/2025       | 15:03            |
| RW8-SP301-90-20250514 | Q2064-07         | BN037046.D     | 05/19/2025       | 15:39            |
| RW8-SP303-90-20250514 | Q2064-08         | BN037047.D     | 05/19/2025       | 16:15            |
| SSTDCCC0.4EC          | SSTDCCC0.4       | BN037055.D     | 05/19/2025       | 21:05            |

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK  
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: TETR06

Lab Code: CHEM

SAS No.: Q2064

SDG NO.: Q2064

Lab File ID: BN037073.D

DFTPP Injection Date: 05/20/2025

Instrument ID: BNA\_N

DFTPP Injection Time: 14:30

| m/e | ION ABUNDANCE CRITERIA             | % RELATIVE ABUNDANCE |
|-----|------------------------------------|----------------------|
| 51  | 10.0 - 80.0% of mass 198           | 69.3                 |
| 68  | Less than 2.0% of mass 69          | 0.0 ( 0.0 ) 1        |
| 69  | Mass 69 relative abundance         | 59.3                 |
| 70  | Less than 2.0% of mass 69          | 0.3 ( 0.4 ) 1        |
| 127 | 10.0 - 80.0% of mass 198           | 52.8                 |
| 197 | Less than 2.0% of mass 198         | 0.2                  |
| 198 | Base Peak, 100% relative abundance | 100                  |
| 199 | 5.0 to 9.0% of mass 198            | 6.9                  |
| 275 | 10.0 - 60.0% of mass 198           | 25.4                 |
| 365 | Greater than 1% of mass 198        | 3.7                  |
| 441 | Present, but less than mass 443    | 8.8                  |
| 442 | Greater than 50% of mass 198       | 54.2                 |
| 443 | 15.0 - 24.0% of mass 442           | 10.5 ( 19.4 ) 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       | BN037074.D     | 05/20/2025       | 15:09            |
| PB168032BL        | PB168032BL       | BN037075.D     | 05/20/2025       | 15:45            |
| PB168032BS        | PB168032BS       | BN037080.D     | 05/20/2025       | 18:47            |
| PB168032BSD       | PB168032BSD      | BN037081.D     | 05/20/2025       | 19:23            |
| SSTDCCC0.4EC      | SSTDCCC0.4       | BN037082.D     | 05/20/2025       | 19:59            |

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q2064 SAS No.: Q2064 SDG NO.: Q2064

EPA Sample No.: SSTDCCC0.4 Date Analyzed: 05/19/2025

Lab File ID: BN037038.D Time Analyzed: 10:47

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              | 2152                | 7.611 | 5916                | 10.39  | 3512                | 14.26  |
| UPPER LIMIT              | 4304                | 8.111 | 11832               | 10.894 | 7024                | 14.756 |
| LOWER LIMIT              | 1076                | 7.111 | 2958                | 9.894  | 1756                | 13.756 |
| EPA SAMPLE NO.           |                     |       |                     |        |                     |        |
| 01 RW8-SP100-70-20250514 | 2279                | 7.62  | 5859                | 10.39  | 3462                | 14.27  |
| 02 RW8-SP201-70-20250514 | 2118                | 7.62  | 5485                | 10.39  | 3246                | 14.27  |
| 03 RW8-SP301-70-20250514 | 1782                | 7.62  | 4662                | 10.39  | 2793                | 14.27  |
| 04 RW8-SP303-70-20250514 | 1997                | 7.61  | 5434                | 10.39  | 3163                | 14.26  |
| 05 RW8-SP100-90-20250514 | 2321                | 7.62  | 6299                | 10.39  | 3791                | 14.27  |
| 06 RW8-SP201-90-20250514 | 2089                | 7.62  | 5673                | 10.39  | 3262                | 14.27  |
| 07 RW8-SP301-90-20250514 | 2277                | 7.61  | 6028                | 10.39  | 3511                | 14.27  |
| 08 RW8-SP303-90-20250514 | 2025                | 7.62  | 5455                | 10.39  | 3218                | 14.26  |

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.: Q2064 SAS No.: Q2064 SDG NO.: Q2064

EPA Sample No.: SSTDCCC0.4 Date Analyzed: 05/19/2025

Lab File ID: BN037038.D Time Analyzed: 10:47

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              | 7043                | 17.009 | 5607                | 21.207 | 4830                | 23.41 |
| UPPER LIMIT              | 14086               | 17.509 | 11214               | 21.707 | 9660                | 23.91 |
| LOWER LIMIT              | 3521.5              | 16.509 | 2803.5              | 20.707 | 2415                | 22.91 |
| EPA SAMPLE NO.           |                     |        |                     |        |                     |       |
| 01 RW8-SP100-70-20250514 | 6945                | 17.01  | 5149                | 21.21  | 4430                | 23.41 |
| 02 RW8-SP201-70-20250514 | 6445                | 17.01  | 4692                | 21.21  | 3974                | 23.41 |
| 03 RW8-SP301-70-20250514 | 5609                | 17.01  | 4274                | 21.21  | 3800                | 23.41 |
| 04 RW8-SP303-70-20250514 | 6695                | 17.01  | 6428                | 21.21  | 6026                | 23.41 |
| 05 RW8-SP100-90-20250514 | 7488                | 17.01  | 5983                | 21.21  | 5445                | 23.41 |
| 06 RW8-SP201-90-20250514 | 6500                | 17.01  | 5189                | 21.21  | 4615                | 23.41 |
| 07 RW8-SP301-90-20250514 | 6888                | 17.01  | 5515                | 21.21  | 4790                | 23.41 |
| 08 RW8-SP303-90-20250514 | 6585                | 17.01  | 5247                | 21.21  | 4400                | 23.41 |

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.

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q2064 SAS No.: Q2064 SDG NO.: Q2064

EPA Sample No.: SSTDCCC0.4 Date Analyzed: 05/20/2025

Lab File ID: BN037074.D Time Analyzed: 15:09

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    | 2240                | 7.611 | 6230                | 10.39  | 3461                | 14.26  |
| UPPER LIMIT    | 4480                | 8.111 | 12460               | 10.894 | 6922                | 14.756 |
| LOWER LIMIT    | 1120                | 7.111 | 3115                | 9.894  | 1730.5              | 13.756 |
| EPA SAMPLE NO. |                     |       |                     |        |                     |        |
| 01 PB168032BL  | 1695                | 7.61  | 4260                | 10.39  | 2468                | 14.26  |
| 02 PB168032BS  | 1842                | 7.61  | 4702                | 10.39  | 2635                | 14.26  |
| 03 PB168032BSD | 1841                | 7.61  | 4693                | 10.39  | 2613                | 14.26  |

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.: Q2064 SAS No.: Q2064 SDG NO.: Q2064

EPA Sample No.: SSTDCCC0.4 Date Analyzed: 05/20/2025

Lab File ID: BN037074.D Time Analyzed: 15:09

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    | 6762                | 17.009 | 4645                | 21.207 | 3820                | 23.407 |
| UPPER LIMIT    | 13524               | 17.509 | 9290                | 21.707 | 7640                | 23.907 |
| LOWER LIMIT    | 3381                | 16.509 | 2322.5              | 20.707 | 1910                | 22.907 |
| EPA SAMPLE NO. |                     |        |                     |        |                     |        |
| 01 PB168032BL  | 5072                | 17.01  | 3622                | 21.21  | 3128                | 23.41  |
| 02 PB168032BS  | 5352                | 17.01  | 4047                | 21.21  | 3455                | 23.40  |
| 03 PB168032BSD | 5111                | 17.01  | 3649                | 21.20  | 3038                | 23.40  |

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:  | PB168032BL                    |                  | SDG No.:        | Q2064          |      |
| Lab Sample ID:     | PB168032BL                    |                  | 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 |
| BN037075.D        | 1         | 05/16/25 11:50 | 05/20/25 15:45 | PB168032      |

| 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 |      | 90%        | SPK: 0.4 |
| 93951-69-0                | Fluoranthene-d10        | 0.34  |           | 30 - 150 |      | 84%        | SPK: 0.4 |
| 4165-60-0                 | Nitrobenzene-d5         | 0.32  |           | 55 - 111 |      | 81%        | SPK: 0.4 |
| 321-60-8                  | 2-Fluorobiphenyl        | 0.34  |           | 53 - 106 |      | 84%        | SPK: 0.4 |
| 1718-51-0                 | Terphenyl-d14           | 0.42  |           | 58 - 132 |      | 104%       | SPK: 0.4 |
| <b>INTERNAL STANDARDS</b> |                         |       |           |          |      |            |          |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4  | 1700  | 7.611     |          |      |            |          |
| 1146-65-2                 | Naphthalene-d8          | 4260  | 10.393    |          |      |            |          |
| 15067-26-2                | Acenaphthene-d10        | 2470  | 14.256    |          |      |            |          |
| 1517-22-2                 | Phenanthrene-d10        | 5070  | 17.008    |          |      |            |          |
| 1719-03-5                 | Chrysene-d12            | 3620  | 21.206    |          |      |            |          |
| 1520-96-3                 | Perylene-d12            | 3130  | 23.409    |          |      |            |          |

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:  | PB168032BS                    |                  | SDG No.:        | Q2064          |      |
| Lab Sample ID:     | PB168032BS                    |                  | 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 |
| BN037080.D        | 1         | 05/16/25 11:50 | 05/20/25 18:47 | PB168032      |

| CAS Number                | Parameter               | Conc. | Qualifier | MDL      | LOD  | LOQ / CRQL | Units    |
|---------------------------|-------------------------|-------|-----------|----------|------|------------|----------|
| <b>TARGETS</b>            |                         |       |           |          |      |            |          |
| 123-91-1                  | 1,4-Dioxane             | 0.31  |           | 0.070    | 0.20 | 0.20       | ug/L     |
| <b>SURROGATES</b>         |                         |       |           |          |      |            |          |
| 7297-45-2                 | 2-Methylnaphthalene-d10 | 0.39  |           | 30 - 150 |      | 96%        | SPK: 0.4 |
| 93951-69-0                | Fluoranthene-d10        | 0.33  |           | 30 - 150 |      | 81%        | SPK: 0.4 |
| 4165-60-0                 | Nitrobenzene-d5         | 0.32  |           | 55 - 111 |      | 81%        | SPK: 0.4 |
| 321-60-8                  | 2-Fluorobiphenyl        | 0.33  |           | 53 - 106 |      | 83%        | SPK: 0.4 |
| 1718-51-0                 | Terphenyl-d14           | 0.39  |           | 58 - 132 |      | 97%        | SPK: 0.4 |
| <b>INTERNAL STANDARDS</b> |                         |       |           |          |      |            |          |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4  | 1840  | 7.611     |          |      |            |          |
| 1146-65-2                 | Naphthalene-d8          | 4700  | 10.394    |          |      |            |          |
| 15067-26-2                | Acenaphthene-d10        | 2640  | 14.256    |          |      |            |          |
| 1517-22-2                 | Phenanthrene-d10        | 5350  | 17.009    |          |      |            |          |
| 1719-03-5                 | Chrysene-d12            | 4050  | 21.206    |          |      |            |          |
| 1520-96-3                 | Perylene-d12            | 3460  | 23.404    |          |      |            |          |

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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: |                |      |
| Project:           | NWIRP Bethpage 112G08005-WE13 |                  | Date Received:  |                |      |
| Client Sample ID:  | PB168032BSD                   |                  | SDG No.:        | Q2064          |      |
| Lab Sample ID:     | PB168032BSD                   |                  | 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 |
| BN037081.D        | 1         | 05/16/25 11:50 | 05/20/25 19:23 | PB168032      |

| CAS Number                | Parameter               | Conc. | Qualifier | MDL      | LOD  | LOQ / CRQL | Units    |
|---------------------------|-------------------------|-------|-----------|----------|------|------------|----------|
| <b>TARGETS</b>            |                         |       |           |          |      |            |          |
| 123-91-1                  | 1,4-Dioxane             | 0.32  |           | 0.070    | 0.20 | 0.20       | ug/L     |
| <b>SURROGATES</b>         |                         |       |           |          |      |            |          |
| 7297-45-2                 | 2-Methylnaphthalene-d10 | 0.39  |           | 30 - 150 |      | 98%        | SPK: 0.4 |
| 93951-69-0                | Fluoranthene-d10        | 0.33  |           | 30 - 150 |      | 83%        | SPK: 0.4 |
| 4165-60-0                 | Nitrobenzene-d5         | 0.35  |           | 55 - 111 |      | 88%        | SPK: 0.4 |
| 321-60-8                  | 2-Fluorobiphenyl        | 0.33  |           | 53 - 106 |      | 83%        | SPK: 0.4 |
| 1718-51-0                 | Terphenyl-d14           | 0.42  |           | 58 - 132 |      | 104%       | SPK: 0.4 |
| <b>INTERNAL STANDARDS</b> |                         |       |           |          |      |            |          |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4  | 1840  | 7.611     |          |      |            |          |
| 1146-65-2                 | Naphthalene-d8          | 4690  | 10.394    |          |      |            |          |
| 15067-26-2                | Acenaphthene-d10        | 2610  | 14.256    |          |      |            |          |
| 1517-22-2                 | Phenanthrene-d10        | 5110  | 17.009    |          |      |            |          |
| 1719-03-5                 | Chrysene-d12            | 3650  | 21.198    |          |      |            |          |
| 1520-96-3                 | Perylene-d12            | 3040  | 23.401    |          |      |            |          |

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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



# CALIBRATION SUMMARY



Method Path : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\  
 Method File : 8270-SIM-BN051425.M  
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 Last Update : Wed May 14 11:26:32 2025  
 Response Via : Initial Calibration

## Calibration Files

0.1 =BN036999.D 0.2 =BN037000.D 0.4 =BN037001.D 0.8 =BN037002.D 1.6 =BN037003.D 3.2 =BN037004.D 5.0 =BN037005.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           | 0.510          | 0.512 | 0.487 | 0.514 | 0.467 | 0.454 | 0.491 | 5.25  |       |
| 3)        | n-Nitrosodimet...     | 1.465          | 0.974 | 0.980 | 0.971 | 1.075 | 0.967 | 0.950 | 1.054 | 17.59 |
| 4) S      | 2-Fluorophenol        | 1.101          | 1.134 | 1.024 | 1.093 | 0.964 | 0.971 | 1.048 | 6.87  |       |
| 5) S      | Phenol-d6             | 1.304          | 1.385 | 1.236 | 1.392 | 1.259 | 1.292 | 1.311 | 4.91  |       |
| 6)        | bis(2-Chloroet...     | 1.441          | 1.163 | 1.153 | 1.135 | 1.240 | 1.168 | 1.148 | 1.207 | 9.02  |
|           |                       |                |       |       |       |       |       |       |       |       |
| 7) I      | Naphthalene-d8        | -----ISTD----- |       |       |       |       |       |       |       |       |
| 8) S      | Nitrobenzene-d5       | 0.546          | 0.383 | 0.398 | 0.400 | 0.452 | 0.426 | 0.442 | 0.436 | 12.60 |
| 9)        | Naphthalene           | 1.326          | 1.140 | 1.144 | 1.122 | 1.226 | 1.152 | 1.165 | 1.182 | 6.05  |
| 10)       | Hexachlorobuta...     | 0.286          | 0.248 | 0.244 | 0.235 | 0.256 | 0.236 | 0.233 | 0.248 | 7.47  |
| 11) SURR2 | Methylnaphth...       | 0.529          | 0.547 | 0.552 | 0.548 | 0.603 | 0.574 | 0.588 | 0.563 | 4.65  |
| 12)       | 2-Methylnaphth...     | 0.754          | 0.724 | 0.736 | 0.733 | 0.814 | 0.770 | 0.790 | 0.760 | 4.34  |
|           |                       |                |       |       |       |       |       |       |       |       |
| 13) I     | Acenaphthene-d10      | -----ISTD----- |       |       |       |       |       |       |       |       |
| 14) S     | 2,4,6-Tribromo...     | 0.174          | 0.168 | 0.178 | 0.160 | 0.186 | 0.175 | 0.189 | 0.176 | 5.77  |
| 15) S     | 2-Fluorobiphenyl      | 1.912          | 1.801 | 1.901 | 1.802 | 1.927 | 1.672 | 1.807 | 1.832 | 4.90  |
| 16)       | Acenaphthylene        | 1.906          | 1.838 | 1.894 | 1.849 | 2.071 | 1.997 | 2.075 | 1.947 | 5.14  |
| 17)       | Acenaphthene          | 1.255          | 1.229 | 1.243 | 1.217 | 1.350 | 1.298 | 1.315 | 1.272 | 3.89  |
| 18)       | Fluorene              | 1.602          | 1.581 | 1.635 | 1.611 | 1.779 | 1.721 | 1.752 | 1.669 | 4.80  |
|           |                       |                |       |       |       |       |       |       |       |       |
| 19) I     | Phenanthrene-d10      | -----ISTD----- |       |       |       |       |       |       |       |       |
| 20)       | 4,6-Dinitro-2-...     | 0.060          | 0.073 | 0.079 | 0.102 | 0.103 | 0.124 | 0.090 | 26.02 |       |
| 21)       | 4-Bromophenyl-...     | 0.243          | 0.246 | 0.250 | 0.247 | 0.262 | 0.261 | 0.259 | 0.253 | 3.13  |
| 22)       | Hexachlorobenzene     | 0.267          | 0.269 | 0.281 | 0.259 | 0.281 | 0.270 | 0.267 | 0.270 | 3.03  |
| 23)       | Atrazine              | 0.199          | 0.207 | 0.211 | 0.213 | 0.237 | 0.234 | 0.242 | 0.220 | 7.64  |
| 24)       | Pentachlorophenol     | 0.133          | 0.134 | 0.141 | 0.137 | 0.159 | 0.162 | 0.177 | 0.149 | 11.45 |
| 25)       | Phenanthrene          | 1.259          | 1.272 | 1.292 | 1.263 | 1.367 | 1.337 | 1.361 | 1.307 | 3.56  |
| 26)       | Anthracene            | 1.099          | 1.104 | 1.166 | 1.130 | 1.269 | 1.259 | 1.300 | 1.190 | 7.13  |
| 27) SURR  | Fluoranthene-d10      | 1.033          | 1.033 | 1.078 | 1.042 | 1.153 | 1.161 | 1.178 | 1.097 | 5.95  |
| 28)       | Fluoranthene          | 1.461          | 1.439 | 1.500 | 1.496 | 1.670 | 1.672 | 1.693 | 1.562 | 7.13  |
|           |                       |                |       |       |       |       |       |       |       |       |
| 29) I     | Chrysene-d12          | -----ISTD----- |       |       |       |       |       |       |       |       |
| 30)       | Pyrene                | 1.744          | 1.708 | 1.727 | 1.656 | 1.790 | 1.641 | 1.711 | 1.711 | 2.96  |
| 31) S     | Terphenyl-d14         | 0.897          | 0.844 | 0.871 | 0.822 | 0.891 | 0.816 | 0.848 | 0.856 | 3.73  |
| 32)       | Benzo(a)anthra...     | 1.463          | 1.432 | 1.485 | 1.438 | 1.594 | 1.521 | 1.609 | 1.506 | 4.77  |
| 33)       | Chrysene              | 1.655          | 1.559 | 1.616 | 1.532 | 1.653 | 1.560 | 1.576 | 1.593 | 3.05  |
| 34)       | Bis(2-ethylhex...     | 0.955          | 0.919 | 0.906 | 0.855 | 0.941 | 0.903 | 1.011 | 0.927 | 5.27  |
|           |                       |                |       |       |       |       |       |       |       |       |
| 35) I     | Perylene-d12          | -----ISTD----- |       |       |       |       |       |       |       |       |

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

Method File : 8270-SIM-BN051425.M

|       |                   |       |       |       |       |       |       |       |       |      |
|-------|-------------------|-------|-------|-------|-------|-------|-------|-------|-------|------|
| 36)   | Indeno(1,2,3-c... | 1.511 | 1.613 | 1.645 | 1.568 | 1.687 | 1.732 | 1.680 | 1.634 | 4.65 |
| 37)   | Benzo(b)fluora... | 1.631 | 1.570 | 1.602 | 1.599 | 1.749 | 1.698 | 1.765 | 1.659 | 4.71 |
| 38)   | Benzo(k)fluora... | 1.539 | 1.538 | 1.642 | 1.601 | 1.770 | 1.661 | 1.719 | 1.639 | 5.34 |
| 39) C | Benzo(a)pyrene    | 1.380 | 1.343 | 1.381 | 1.331 | 1.486 | 1.444 | 1.486 | 1.407 | 4.59 |
| 40)   | Dibenzo(a,h)an... | 1.116 | 1.232 | 1.273 | 1.237 | 1.340 | 1.376 | 1.334 | 1.272 | 6.90 |
| 41)   | Benzo(g,h,i)pe... | 1.299 | 1.407 | 1.424 | 1.330 | 1.403 | 1.439 | 1.376 | 1.383 | 3.72 |

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q2064 SAS No.: Q2064 SDG No.: Q2064

Instrument ID: BNA\_N Calibration Date/Time: 05/19/2025 10:47

Lab File ID: BN037038.D Init. Calib. Date(s): 05/13/2025 05/13/2025

EPA Sample No.: SSTDCCC0.4 Init. Calib. Time(s): 17:41 21:17

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

| COMPOUND                | RRF   | RRF0.4 | MIN<br>RRF | %D    | MAX%D |
|-------------------------|-------|--------|------------|-------|-------|
| 2-Methylnaphthalene-d10 | 0.563 | 0.598  |            | 6.2   | 20.0  |
| Fluoranthene-d10        | 1.097 | 1.086  |            | -1.0  | 20.0  |
| 2-Fluorophenol          | 1.048 | 0.944  |            | -9.9  | 20.0  |
| Phenol-d6               | 1.311 | 1.169  |            | -10.8 | 20.0  |
| Nitrobenzene-d5         | 0.436 | 0.392  |            | -10.1 | 20.0  |
| 2-Fluorobiphenyl        | 1.832 | 1.706  |            | -6.9  | 20.0  |
| 2,4,6-Tribromophenol    | 0.176 | 0.147  |            | -16.5 | 20.0  |
| Terphenyl-d14           | 0.856 | 0.915  |            | 6.9   | 20.0  |
| 1,4-Dioxane             | 0.491 | 0.461  |            | -6.1  | 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.: Q2064 SAS No.: Q2064 SDG No.: Q2064  
 Instrument ID: BNA\_N Calibration Date/Time: 05/19/2025 21:05  
 Lab File ID: BN037055.D Init. Calib. Date(s): 05/13/2025 05/13/2025  
 EPA Sample No.: SSTDCCC0.4EC Init. Calib. Time(s): 17:41 21:17  
 GC Column: ZB-GR ID: 0.25 (mm)

| COMPOUND                | RRF   | RRF0.4 | MIN<br>RRF | %D    | MAX%D |
|-------------------------|-------|--------|------------|-------|-------|
| 2-Methylnaphthalene-d10 | 0.563 | 0.581  |            | 3.2   | 50.0  |
| Fluoranthene-d10        | 1.097 | 1.058  |            | -3.6  | 50.0  |
| 2-Fluorophenol          | 1.048 | 0.956  |            | -8.8  | 50.0  |
| Phenol-d6               | 1.311 | 1.171  |            | -10.7 | 50.0  |
| Nitrobenzene-d5         | 0.436 | 0.406  |            | -6.9  | 50.0  |
| 2-Fluorobiphenyl        | 1.832 | 1.804  |            | -1.5  | 50.0  |
| 2,4,6-Tribromophenol    | 0.176 | 0.160  |            | -9.1  | 50.0  |
| Terphenyl-d14           | 0.856 | 0.927  |            | 8.3   | 50.0  |
| 1,4-Dioxane             | 0.491 | 0.456  |            | -7.1  | 50.0  |

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.: Q2064 SAS No.: Q2064 SDG No.: Q2064

Instrument ID: BNA\_N Calibration Date/Time: 05/20/2025 15:09

Lab File ID: BN037074.D Init. Calib. Date(s): 05/13/2025 05/13/2025

EPA Sample No.: SSTDCCC0.4 Init. Calib. Time(s): 17:41 21:17

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

| COMPOUND                | RRF   | RRF0.4 | MIN<br>RRF | %D    | MAX%D |
|-------------------------|-------|--------|------------|-------|-------|
| 2-Methylnaphthalene-d10 | 0.563 | 0.573  |            | 1.8   | 20.0  |
| Fluoranthene-d10        | 1.097 | 1.010  |            | -7.9  | 20.0  |
| 2-Fluorophenol          | 1.048 | 0.964  |            | -8.0  | 20.0  |
| Phenol-d6               | 1.311 | 1.198  |            | -8.6  | 20.0  |
| Nitrobenzene-d5         | 0.436 | 0.402  |            | -7.8  | 20.0  |
| 2-Fluorobiphenyl        | 1.832 | 1.798  |            | -1.9  | 20.0  |
| 2,4,6-Tribromophenol    | 0.176 | 0.153  |            | -13.1 | 20.0  |
| Terphenyl-d14           | 0.856 | 0.940  |            | 9.8   | 20.0  |
| 1,4-Dioxane             | 0.491 | 0.488  |            | -0.6  | 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.: Q2064 SAS No.: Q2064 SDG No.: Q2064

Instrument ID: BNA\_N Calibration Date/Time: 05/20/2025 19:59

Lab File ID: BN037082.D Init. Calib. Date(s): 05/13/2025 05/13/2025

EPA Sample No.: SSTDCCC0.4EC Init. Calib. Time(s): 17:41 21:17

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

| COMPOUND                | RRF   | RRF0.4 | MIN<br>RRF | %D    | MAX%D |
|-------------------------|-------|--------|------------|-------|-------|
| 2-Methylnaphthalene-d10 | 0.563 | 0.581  |            | 3.2   | 50.0  |
| Fluoranthene-d10        | 1.097 | 1.017  |            | -7.3  | 50.0  |
| 2-Fluorophenol          | 1.048 | 0.946  |            | -9.7  | 50.0  |
| Phenol-d6               | 1.311 | 1.150  |            | -12.3 | 50.0  |
| Nitrobenzene-d5         | 0.436 | 0.417  |            | -4.4  | 50.0  |
| 2-Fluorobiphenyl        | 1.832 | 1.796  |            | -2.0  | 50.0  |
| 2,4,6-Tribromophenol    | 0.176 | 0.165  |            | -6.3  | 50.0  |
| Terphenyl-d14           | 0.856 | 0.957  |            | 11.8  | 50.0  |
| 1,4-Dioxane             | 0.491 | 0.473  |            | -3.7  | 50.0  |

All other compounds must meet a minimum RRF of 0.010.

## LAB CHRONICLE

|                 |                      |                   |                               |
|-----------------|----------------------|-------------------|-------------------------------|
| <b>OrderID:</b> | Q2064                | <b>OrderDate:</b> | 5/16/2025 10:39:00 AM         |
| <b>Client:</b>  | Tetra Tech NUS, Inc. | <b>Project:</b>   | NWIRP Bethpage 112G08005-WE13 |
| <b>Contact:</b> | Ernie Wu             | <b>Location:</b>  | L41                           |

| LabID           | ClientID                          | Matrix       | Test           | Method | Sample Date     | Prep Date | Anal Date | Received        |
|-----------------|-----------------------------------|--------------|----------------|--------|-----------------|-----------|-----------|-----------------|
| <b>Q2064-01</b> | <b>RW8-SP100-70-20250<br/>514</b> | <b>Water</b> |                |        | <b>05/14/25</b> |           |           | <b>05/16/25</b> |
|                 |                                   |              | Mercury        | 7470A  |                 | 05/16/25  | 05/20/25  |                 |
|                 |                                   |              | Metals ICP-TAL | 6010D  |                 | 05/16/25  | 05/19/25  |                 |
| <b>Q2064-04</b> | <b>RW8-SP303-70-20250<br/>514</b> | <b>Water</b> |                |        | <b>05/14/25</b> |           |           | <b>05/16/25</b> |
|                 |                                   |              | Mercury        | 7470A  |                 | 05/16/25  | 05/20/25  |                 |
|                 |                                   |              | Metals ICP-TAL | 6010D  |                 | 05/16/25  | 05/19/25  |                 |
| <b>Q2064-05</b> | <b>RW8-SP100-90-20250<br/>514</b> | <b>Water</b> |                |        | <b>05/14/25</b> |           |           | <b>05/16/25</b> |
|                 |                                   |              | Mercury        | 7470A  |                 | 05/16/25  | 05/20/25  |                 |
|                 |                                   |              | Metals ICP-TAL | 6010D  |                 | 05/16/25  | 05/19/25  |                 |
| <b>Q2064-08</b> | <b>RW8-SP303-90-20250<br/>514</b> | <b>Water</b> |                |        | <b>05/14/25</b> |           |           | <b>05/16/25</b> |
|                 |                                   |              | Mercury        | 7470A  |                 | 05/16/25  | 05/20/25  |                 |
|                 |                                   |              | Metals ICP-TAL | 6010D  |                 | 05/16/25  | 05/19/25  |                 |

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

**SDG No.:** Q2064 **Order ID:** Q2064  
**Client:** Tetra Tech NUS, Inc. **Project ID:** NWIRP Bethpage 112G08005-WE13

| Sample ID                                | Client ID             | Matrix | Parameter | Concentration | C | MDL  | LOD  | RDL  | Units |
|------------------------------------------|-----------------------|--------|-----------|---------------|---|------|------|------|-------|
| <b>Client ID : RW8-SP100-70-20250514</b> |                       |        |           |               |   |      |      |      |       |
| Q2064-01                                 | RW8-SP100-70-20250514 | Water  | Aluminum  | 87.2          |   | 5.67 | 40.0 | 50.0 | ug/L  |
| Q2064-01                                 | RW8-SP100-70-20250514 | Water  | Calcium   | 2200          |   | 117  | 250  | 1000 | ug/L  |
| Q2064-01                                 | RW8-SP100-70-20250514 | Water  | Cobalt    | 3.20          | J | 1.13 | 3.75 | 15.0 | ug/L  |
| Q2064-01                                 | RW8-SP100-70-20250514 | Water  | Copper    | 2.73          | J | 2.30 | 8.00 | 10.0 | ug/L  |
| Q2064-01                                 | RW8-SP100-70-20250514 | Water  | Iron      | 2720          |   | 11.7 | 40.0 | 50.0 | ug/L  |
| Q2064-01                                 | RW8-SP100-70-20250514 | Water  | Lead      | 3.49          | J | 1.15 | 4.80 | 6.00 | ug/L  |
| Q2064-01                                 | RW8-SP100-70-20250514 | Water  | Magnesium | 869           | J | 122  | 250  | 1000 | ug/L  |
| Q2064-01                                 | RW8-SP100-70-20250514 | Water  | Manganese | 48.6          |   | 2.97 | 7.50 | 10.0 | ug/L  |
| Q2064-01                                 | RW8-SP100-70-20250514 | Water  | Nickel    | 3.67          | J | 1.53 | 5.00 | 20.0 | ug/L  |
| Q2064-01                                 | RW8-SP100-70-20250514 | Water  | Potassium | 746           | J | 459  | 800  | 1000 | ug/L  |
| Q2064-01                                 | RW8-SP100-70-20250514 | Water  | Sodium    | 7070          |   | 434  | 500  | 1000 | ug/L  |
| Q2064-01                                 | RW8-SP100-70-20250514 | Water  | Zinc      | 10.1          | J | 8.33 | 7.50 | 20.0 | ug/L  |
| <b>Client ID : RW8-SP303-70-20250514</b> |                       |        |           |               |   |      |      |      |       |
| Q2064-04                                 | RW8-SP303-70-20250514 | Water  | Aluminum  | 7.58          | J | 5.67 | 40.0 | 50.0 | ug/L  |
| Q2064-04                                 | RW8-SP303-70-20250514 | Water  | Calcium   | 522           | J | 117  | 250  | 1000 | ug/L  |
| Q2064-04                                 | RW8-SP303-70-20250514 | Water  | Copper    | 3.22          | J | 2.30 | 8.00 | 10.0 | ug/L  |
| Q2064-04                                 | RW8-SP303-70-20250514 | Water  | Iron      | 247           |   | 11.7 | 40.0 | 50.0 | ug/L  |
| Q2064-04                                 | RW8-SP303-70-20250514 | Water  | Lead      | 1.47          | J | 1.15 | 4.80 | 6.00 | ug/L  |
| Q2064-04                                 | RW8-SP303-70-20250514 | Water  | Magnesium | 275           | J | 122  | 250  | 1000 | ug/L  |
| Q2064-04                                 | RW8-SP303-70-20250514 | Water  | Manganese | 14.1          |   | 2.97 | 7.50 | 10.0 | ug/L  |
| Q2064-04                                 | RW8-SP303-70-20250514 | Water  | Nickel    | 9.76          | J | 1.53 | 5.00 | 20.0 | ug/L  |
| Q2064-04                                 | RW8-SP303-70-20250514 | Water  | Potassium | 320000        |   | 459  | 800  | 1000 | ug/L  |
| Q2064-04                                 | RW8-SP303-70-20250514 | Water  | Sodium    | 51100         |   | 434  | 500  | 1000 | ug/L  |
| Q2064-04                                 | RW8-SP303-70-20250514 | Water  | Zinc      | 31.1          |   | 8.33 | 7.50 | 20.0 | ug/L  |
| <b>Client ID : RW8-SP100-90-20250514</b> |                       |        |           |               |   |      |      |      |       |
| Q2064-05                                 | RW8-SP100-90-20250514 | Water  | Aluminum  | 32.9          | J | 5.67 | 40.0 | 50.0 | ug/L  |
| Q2064-05                                 | RW8-SP100-90-20250514 | Water  | Calcium   | 2080          |   | 117  | 250  | 1000 | ug/L  |
| Q2064-05                                 | RW8-SP100-90-20250514 | Water  | Cobalt    | 2.86          | J | 1.13 | 3.75 | 15.0 | ug/L  |
| Q2064-05                                 | RW8-SP100-90-20250514 | Water  | Copper    | 23.6          |   | 2.30 | 8.00 | 10.0 | ug/L  |
| Q2064-05                                 | RW8-SP100-90-20250514 | Water  | Iron      | 1440          |   | 11.7 | 40.0 | 50.0 | ug/L  |
| Q2064-05                                 | RW8-SP100-90-20250514 | Water  | Lead      | 45.9          |   | 1.15 | 4.80 | 6.00 | ug/L  |
| Q2064-05                                 | RW8-SP100-90-20250514 | Water  | Magnesium | 796           | J | 122  | 250  | 1000 | ug/L  |
| Q2064-05                                 | RW8-SP100-90-20250514 | Water  | Manganese | 26.2          |   | 2.97 | 7.50 | 10.0 | ug/L  |
| Q2064-05                                 | RW8-SP100-90-20250514 | Water  | Nickel    | 3.85          | J | 1.53 | 5.00 | 20.0 | ug/L  |
| Q2064-05                                 | RW8-SP100-90-20250514 | Water  | Potassium | 526           | J | 459  | 800  | 1000 | ug/L  |
| Q2064-05                                 | RW8-SP100-90-20250514 | Water  | Sodium    | 5900          |   | 434  | 500  | 1000 | ug/L  |



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

**SDG No.:** Q2064 **Order ID:** Q2064  
**Client:** Tetra Tech NUS, Inc. **Project ID:** NWIRP Bethpage 112G08005-WE13

| Sample ID                                | Client ID             | Matrix | Parameter | Concentration | C | MDL  | LOD  | RDL  | Units |
|------------------------------------------|-----------------------|--------|-----------|---------------|---|------|------|------|-------|
| Q2064-05                                 | RW8-SP100-90-20250514 | Water  | Zinc      | 114           |   | 8.33 | 7.50 | 20.0 | ug/L  |
| <b>Client ID : RW8-SP303-90-20250514</b> |                       |        |           |               |   |      |      |      |       |
| Q2064-08                                 | RW8-SP303-90-20250514 | Water  | Aluminum  | 9.84          | J | 5.67 | 40.0 | 50.0 | ug/L  |
| Q2064-08                                 | RW8-SP303-90-20250514 | Water  | Barium    | 15.2          | J | 7.28 | 12.5 | 50.0 | ug/L  |
| Q2064-08                                 | RW8-SP303-90-20250514 | Water  | Calcium   | 572           | J | 117  | 250  | 1000 | ug/L  |
| Q2064-08                                 | RW8-SP303-90-20250514 | Water  | Iron      | 281           |   | 11.7 | 40.0 | 50.0 | ug/L  |
| Q2064-08                                 | RW8-SP303-90-20250514 | Water  | Magnesium | 284           | J | 122  | 250  | 1000 | ug/L  |
| Q2064-08                                 | RW8-SP303-90-20250514 | Water  | Manganese | 23.9          |   | 2.97 | 7.50 | 10.0 | ug/L  |
| Q2064-08                                 | RW8-SP303-90-20250514 | Water  | Nickel    | 18.7          | J | 1.53 | 5.00 | 20.0 | ug/L  |
| Q2064-08                                 | RW8-SP303-90-20250514 | Water  | Potassium | 320000        |   | 459  | 800  | 1000 | ug/L  |
| Q2064-08                                 | RW8-SP303-90-20250514 | Water  | Sodium    | 51400         |   | 434  | 500  | 1000 | ug/L  |
| Q2064-08                                 | RW8-SP303-90-20250514 | Water  | Zinc      | 26.4          |   | 8.33 | 7.50 | 20.0 | ug/L  |



# SAMPLE DATA

## Report of Analysis

|                   |                               |                 |          |
|-------------------|-------------------------------|-----------------|----------|
| Client:           | Tetra Tech NUS, Inc.          | Date Collected: | 05/14/25 |
| Project:          | NWIRP Bethpage 112G08005-WE13 | Date Received:  | 05/16/25 |
| Client Sample ID: | RW8-SP100-70-20250514         | SDG No.:        | Q2064    |
| Lab Sample ID:    | Q2064-01                      | Matrix:         | Water    |
| Level (low/med):  | low                           | % Solid:        | 0        |

| Cas       | Parameter | Conc. | Qua. | DF | MDL   | LOD  | LOQ / CRQL | Units | Prep Date      | Date Ana.      | Ana Met. | Prep Met. |
|-----------|-----------|-------|------|----|-------|------|------------|-------|----------------|----------------|----------|-----------|
| 7429-90-5 | Aluminum  | 87.2  |      | 1  | 5.67  | 40.0 | 50.0       | ug/L  | 05/16/25 10:30 | 05/19/25 18:52 | 6010D    | SW3010    |
| 7440-36-0 | Antimony  | 6.25  | U    | 1  | 3.38  | 6.25 | 25.0       | ug/L  | 05/16/25 10:30 | 05/19/25 18:52 | 6010D    | SW3010    |
| 7440-38-2 | Arsenic   | 7.50  | U    | 1  | 2.56  | 7.50 | 10.0       | ug/L  | 05/16/25 10:30 | 05/19/25 18:52 | 6010D    | SW3010    |
| 7440-39-3 | Barium    | 12.5  | U    | 1  | 7.28  | 12.5 | 50.0       | ug/L  | 05/16/25 10:30 | 05/19/25 18:52 | 6010D    | SW3010    |
| 7440-41-7 | Beryllium | 0.75  | U    | 1  | 0.28  | 0.75 | 3.00       | ug/L  | 05/16/25 10:30 | 05/19/25 18:52 | 6010D    | SW3010    |
| 7440-43-9 | Cadmium   | 0.75  | U    | 1  | 0.25  | 0.75 | 3.00       | ug/L  | 05/16/25 10:30 | 05/19/25 18:52 | 6010D    | SW3010    |
| 7440-70-2 | Calcium   | 2200  |      | 1  | 117   | 250  | 1000       | ug/L  | 05/16/25 10:30 | 05/19/25 18:52 | 6010D    | SW3010    |
| 7440-47-3 | Chromium  | 2.50  | U    | 1  | 1.06  | 2.50 | 5.00       | ug/L  | 05/16/25 10:30 | 05/19/25 18:52 | 6010D    | SW3010    |
| 7440-48-4 | Cobalt    | 3.20  | J    | 1  | 1.13  | 3.75 | 15.0       | ug/L  | 05/16/25 10:30 | 05/19/25 18:52 | 6010D    | SW3010    |
| 7440-50-8 | Copper    | 2.73  | J    | 1  | 2.30  | 8.00 | 10.0       | ug/L  | 05/16/25 10:30 | 05/19/25 18:52 | 6010D    | SW3010    |
| 7439-89-6 | Iron      | 2720  | N    | 1  | 11.7  | 40.0 | 50.0       | ug/L  | 05/16/25 10:30 | 05/19/25 18:52 | 6010D    | SW3010    |
| 7439-92-1 | Lead      | 3.49  | J    | 1  | 1.15  | 4.80 | 6.00       | ug/L  | 05/16/25 10:30 | 05/19/25 18:52 | 6010D    | SW3010    |
| 7439-95-4 | Magnesium | 869   | J    | 1  | 122   | 250  | 1000       | ug/L  | 05/16/25 10:30 | 05/19/25 18:52 | 6010D    | SW3010    |
| 7439-96-5 | Manganese | 48.6  |      | 1  | 2.97  | 7.50 | 10.0       | ug/L  | 05/16/25 10:30 | 05/19/25 18:52 | 6010D    | SW3010    |
| 7439-97-6 | Mercury   | 0.16  | UN   | 1  | 0.076 | 0.16 | 0.20       | ug/L  | 05/16/25 14:20 | 05/20/25 11:13 | 7470A    |           |
| 7440-02-0 | Nickel    | 3.67  | J    | 1  | 1.53  | 5.00 | 20.0       | ug/L  | 05/16/25 10:30 | 05/19/25 18:52 | 6010D    | SW3010    |
| 7440-09-7 | Potassium | 746   | J    | 1  | 459   | 800  | 1000       | ug/L  | 05/16/25 10:30 | 05/19/25 18:52 | 6010D    | SW3010    |
| 7782-49-2 | Selenium  | 8.00  | U    | 1  | 4.82  | 8.00 | 10.0       | ug/L  | 05/16/25 10:30 | 05/19/25 18:52 | 6010D    | SW3010    |
| 7440-22-4 | Silver    | 2.50  | UN   | 1  | 0.81  | 2.50 | 5.00       | ug/L  | 05/16/25 10:30 | 05/19/25 18:52 | 6010D    | SW3010    |
| 7440-23-5 | Sodium    | 7070  |      | 1  | 434   | 500  | 1000       | ug/L  | 05/16/25 10:30 | 05/19/25 18:52 | 6010D    | SW3010    |
| 7440-28-0 | Thallium  | 10.0  | U    | 1  | 2.19  | 10.0 | 20.0       | ug/L  | 05/16/25 10:30 | 05/19/25 18:52 | 6010D    | SW3010    |
| 7440-62-2 | Vanadium  | 10.0  | U    | 1  | 3.13  | 10.0 | 20.0       | ug/L  | 05/16/25 10:30 | 05/19/25 18:52 | 6010D    | SW3010    |
| 7440-66-6 | Zinc      | 10.1  | J    | 1  | 8.33  | 7.50 | 20.0       | ug/L  | 05/16/25 10:30 | 05/19/25 18:52 | 6010D    | SW3010    |

|               |            |                 |       |            |
|---------------|------------|-----------------|-------|------------|
| Color Before: | Colorless  | Clarity Before: | Clear | Texture:   |
| Color After:  | Colorless  | Clarity After:  | Clear | Artifacts: |
| Comments:     | METALS-TAL |                 |       |            |

U = Not Detected  
 LOQ = Limit of Quantitation  
 MDL = Method Detection Limit  
 LOD = Limit of Detection  
 D = Dilution  
 Q = indicates LCS control criteria did not meet requirements

J = Estimated Value  
 B = Analyte Found in Associated Method Blank  
 \* = indicates the duplicate analysis is not within control limits.  
 E = Indicates the reported value is estimated because of the presence of interference.  
 OR = Over Range  
 N = Spiked sample recovery not within control limits

## Report of Analysis

|                   |                               |                 |          |
|-------------------|-------------------------------|-----------------|----------|
| Client:           | Tetra Tech NUS, Inc.          | Date Collected: | 05/14/25 |
| Project:          | NWIRP Bethpage 112G08005-WE13 | Date Received:  | 05/16/25 |
| Client Sample ID: | RW8-SP303-70-20250514         | SDG No.:        | Q2064    |
| Lab Sample ID:    | Q2064-04                      | Matrix:         | Water    |
| Level (low/med):  | low                           | % Solid:        | 0        |

| Cas       | Parameter | Conc.  | Qua. | DF | MDL   | LOD  | LOQ / CRQL | Units | Prep Date      | Date Ana.      | Ana Met. | Prep Met. |
|-----------|-----------|--------|------|----|-------|------|------------|-------|----------------|----------------|----------|-----------|
| 7429-90-5 | Aluminum  | 7.58   | J    | 1  | 5.67  | 40.0 | 50.0       | ug/L  | 05/16/25 10:30 | 05/19/25 18:56 | 6010D    | SW3010    |
| 7440-36-0 | Antimony  | 6.25   | U    | 1  | 3.38  | 6.25 | 25.0       | ug/L  | 05/16/25 10:30 | 05/19/25 18:56 | 6010D    | SW3010    |
| 7440-38-2 | Arsenic   | 7.50   | U    | 1  | 2.56  | 7.50 | 10.0       | ug/L  | 05/16/25 10:30 | 05/19/25 18:56 | 6010D    | SW3010    |
| 7440-39-3 | Barium    | 12.5   | U    | 1  | 7.28  | 12.5 | 50.0       | ug/L  | 05/16/25 10:30 | 05/19/25 18:56 | 6010D    | SW3010    |
| 7440-41-7 | Beryllium | 0.75   | U    | 1  | 0.28  | 0.75 | 3.00       | ug/L  | 05/16/25 10:30 | 05/19/25 18:56 | 6010D    | SW3010    |
| 7440-43-9 | Cadmium   | 0.75   | U    | 1  | 0.25  | 0.75 | 3.00       | ug/L  | 05/16/25 10:30 | 05/19/25 18:56 | 6010D    | SW3010    |
| 7440-70-2 | Calcium   | 522    | J    | 1  | 117   | 250  | 1000       | ug/L  | 05/16/25 10:30 | 05/19/25 18:56 | 6010D    | SW3010    |
| 7440-47-3 | Chromium  | 2.50   | U    | 1  | 1.06  | 2.50 | 5.00       | ug/L  | 05/16/25 10:30 | 05/19/25 18:56 | 6010D    | SW3010    |
| 7440-48-4 | Cobalt    | 3.75   | U    | 1  | 1.13  | 3.75 | 15.0       | ug/L  | 05/16/25 10:30 | 05/19/25 18:56 | 6010D    | SW3010    |
| 7440-50-8 | Copper    | 3.22   | J    | 1  | 2.30  | 8.00 | 10.0       | ug/L  | 05/16/25 10:30 | 05/19/25 18:56 | 6010D    | SW3010    |
| 7439-89-6 | Iron      | 247    | N    | 1  | 11.7  | 40.0 | 50.0       | ug/L  | 05/16/25 10:30 | 05/19/25 18:56 | 6010D    | SW3010    |
| 7439-92-1 | Lead      | 1.47   | J    | 1  | 1.15  | 4.80 | 6.00       | ug/L  | 05/16/25 10:30 | 05/19/25 18:56 | 6010D    | SW3010    |
| 7439-95-4 | Magnesium | 275    | J    | 1  | 122   | 250  | 1000       | ug/L  | 05/16/25 10:30 | 05/19/25 18:56 | 6010D    | SW3010    |
| 7439-96-5 | Manganese | 14.1   |      | 1  | 2.97  | 7.50 | 10.0       | ug/L  | 05/16/25 10:30 | 05/19/25 18:56 | 6010D    | SW3010    |
| 7439-97-6 | Mercury   | 0.16   | UN   | 1  | 0.076 | 0.16 | 0.20       | ug/L  | 05/16/25 14:20 | 05/20/25 11:23 | 7470A    |           |
| 7440-02-0 | Nickel    | 9.76   | J    | 1  | 1.53  | 5.00 | 20.0       | ug/L  | 05/16/25 10:30 | 05/19/25 18:56 | 6010D    | SW3010    |
| 7440-09-7 | Potassium | 320000 |      | 1  | 459   | 800  | 1000       | ug/L  | 05/16/25 10:30 | 05/19/25 18:56 | 6010D    | SW3010    |
| 7782-49-2 | Selenium  | 8.00   | U    | 1  | 4.82  | 8.00 | 10.0       | ug/L  | 05/16/25 10:30 | 05/19/25 18:56 | 6010D    | SW3010    |
| 7440-22-4 | Silver    | 2.50   | UN   | 1  | 0.81  | 2.50 | 5.00       | ug/L  | 05/16/25 10:30 | 05/19/25 18:56 | 6010D    | SW3010    |
| 7440-23-5 | Sodium    | 51100  |      | 1  | 434   | 500  | 1000       | ug/L  | 05/16/25 10:30 | 05/19/25 18:56 | 6010D    | SW3010    |
| 7440-28-0 | Thallium  | 10.0   | U    | 1  | 2.19  | 10.0 | 20.0       | ug/L  | 05/16/25 10:30 | 05/19/25 18:56 | 6010D    | SW3010    |
| 7440-62-2 | Vanadium  | 10.0   | U    | 1  | 3.13  | 10.0 | 20.0       | ug/L  | 05/16/25 10:30 | 05/19/25 18:56 | 6010D    | SW3010    |
| 7440-66-6 | Zinc      | 31.1   |      | 1  | 8.33  | 7.50 | 20.0       | ug/L  | 05/16/25 10:30 | 05/19/25 18:56 | 6010D    | SW3010    |

|               |            |                 |       |            |
|---------------|------------|-----------------|-------|------------|
| Color Before: | Colorless  | Clarity Before: | Clear | Texture:   |
| Color After:  | Colorless  | Clarity After:  | Clear | Artifacts: |
| Comments:     | METALS-TAL |                 |       |            |

U = Not Detected  
 LOQ = Limit of Quantitation  
 MDL = Method Detection Limit  
 LOD = Limit of Detection  
 D = Dilution  
 Q = indicates LCS control criteria did not meet requirements

J = Estimated Value  
 B = Analyte Found in Associated Method Blank  
 \* = indicates the duplicate analysis is not within control limits.  
 E = Indicates the reported value is estimated because of the presence of interference.  
 OR = Over Range  
 N = Spiked sample recovery not within control limits

## Report of Analysis

|                   |                               |                 |          |
|-------------------|-------------------------------|-----------------|----------|
| Client:           | Tetra Tech NUS, Inc.          | Date Collected: | 05/14/25 |
| Project:          | NWIRP Bethpage 112G08005-WE13 | Date Received:  | 05/16/25 |
| Client Sample ID: | RW8-SP100-90-20250514         | SDG No.:        | Q2064    |
| Lab Sample ID:    | Q2064-05                      | Matrix:         | Water    |
| Level (low/med):  | low                           | % Solid:        | 0        |

| Cas       | Parameter | Conc. | Qua. | DF | MDL   | LOD  | LOQ / CRQL | Units | Prep Date      | Date Ana.      | Ana Met. | Prep Met. |
|-----------|-----------|-------|------|----|-------|------|------------|-------|----------------|----------------|----------|-----------|
| 7429-90-5 | Aluminum  | 32.9  | J    | 1  | 5.67  | 40.0 | 50.0       | ug/L  | 05/16/25 10:30 | 05/19/25 19:01 | 6010D    | SW3010    |
| 7440-36-0 | Antimony  | 6.25  | U    | 1  | 3.38  | 6.25 | 25.0       | ug/L  | 05/16/25 10:30 | 05/19/25 19:01 | 6010D    | SW3010    |
| 7440-38-2 | Arsenic   | 7.50  | U    | 1  | 2.56  | 7.50 | 10.0       | ug/L  | 05/16/25 10:30 | 05/19/25 19:01 | 6010D    | SW3010    |
| 7440-39-3 | Barium    | 12.5  | U    | 1  | 7.28  | 12.5 | 50.0       | ug/L  | 05/16/25 10:30 | 05/19/25 19:01 | 6010D    | SW3010    |
| 7440-41-7 | Beryllium | 0.75  | U    | 1  | 0.28  | 0.75 | 3.00       | ug/L  | 05/16/25 10:30 | 05/19/25 19:01 | 6010D    | SW3010    |
| 7440-43-9 | Cadmium   | 0.75  | U    | 1  | 0.25  | 0.75 | 3.00       | ug/L  | 05/16/25 10:30 | 05/19/25 19:01 | 6010D    | SW3010    |
| 7440-70-2 | Calcium   | 2080  |      | 1  | 117   | 250  | 1000       | ug/L  | 05/16/25 10:30 | 05/19/25 19:01 | 6010D    | SW3010    |
| 7440-47-3 | Chromium  | 2.50  | U    | 1  | 1.06  | 2.50 | 5.00       | ug/L  | 05/16/25 10:30 | 05/19/25 19:01 | 6010D    | SW3010    |
| 7440-48-4 | Cobalt    | 2.86  | J    | 1  | 1.13  | 3.75 | 15.0       | ug/L  | 05/16/25 10:30 | 05/19/25 19:01 | 6010D    | SW3010    |
| 7440-50-8 | Copper    | 23.6  |      | 1  | 2.30  | 8.00 | 10.0       | ug/L  | 05/16/25 10:30 | 05/19/25 19:01 | 6010D    | SW3010    |
| 7439-89-6 | Iron      | 1440  | N    | 1  | 11.7  | 40.0 | 50.0       | ug/L  | 05/16/25 10:30 | 05/19/25 19:01 | 6010D    | SW3010    |
| 7439-92-1 | Lead      | 45.9  |      | 1  | 1.15  | 4.80 | 6.00       | ug/L  | 05/16/25 10:30 | 05/19/25 19:01 | 6010D    | SW3010    |
| 7439-95-4 | Magnesium | 796   | J    | 1  | 122   | 250  | 1000       | ug/L  | 05/16/25 10:30 | 05/19/25 19:01 | 6010D    | SW3010    |
| 7439-96-5 | Manganese | 26.2  |      | 1  | 2.97  | 7.50 | 10.0       | ug/L  | 05/16/25 10:30 | 05/19/25 19:01 | 6010D    | SW3010    |
| 7439-97-6 | Mercury   | 0.16  | UN   | 1  | 0.076 | 0.16 | 0.20       | ug/L  | 05/16/25 14:20 | 05/20/25 11:25 | 7470A    |           |
| 7440-02-0 | Nickel    | 3.85  | J    | 1  | 1.53  | 5.00 | 20.0       | ug/L  | 05/16/25 10:30 | 05/19/25 19:01 | 6010D    | SW3010    |
| 7440-09-7 | Potassium | 526   | J    | 1  | 459   | 800  | 1000       | ug/L  | 05/16/25 10:30 | 05/19/25 19:01 | 6010D    | SW3010    |
| 7782-49-2 | Selenium  | 8.00  | U    | 1  | 4.82  | 8.00 | 10.0       | ug/L  | 05/16/25 10:30 | 05/19/25 19:01 | 6010D    | SW3010    |
| 7440-22-4 | Silver    | 2.50  | UN   | 1  | 0.81  | 2.50 | 5.00       | ug/L  | 05/16/25 10:30 | 05/19/25 19:01 | 6010D    | SW3010    |
| 7440-23-5 | Sodium    | 5900  |      | 1  | 434   | 500  | 1000       | ug/L  | 05/16/25 10:30 | 05/19/25 19:01 | 6010D    | SW3010    |
| 7440-28-0 | Thallium  | 10.0  | U    | 1  | 2.19  | 10.0 | 20.0       | ug/L  | 05/16/25 10:30 | 05/19/25 19:01 | 6010D    | SW3010    |
| 7440-62-2 | Vanadium  | 10.0  | U    | 1  | 3.13  | 10.0 | 20.0       | ug/L  | 05/16/25 10:30 | 05/19/25 19:01 | 6010D    | SW3010    |
| 7440-66-6 | Zinc      | 114   |      | 1  | 8.33  | 7.50 | 20.0       | ug/L  | 05/16/25 10:30 | 05/19/25 19:01 | 6010D    | SW3010    |

|               |            |                 |       |            |
|---------------|------------|-----------------|-------|------------|
| Color Before: | Colorless  | Clarity Before: | Clear | Texture:   |
| Color After:  | Colorless  | Clarity After:  | Clear | Artifacts: |
| Comments:     | METALS-TAL |                 |       |            |

U = Not Detected  
LOQ = Limit of Quantitation  
MDL = Method Detection Limit  
LOD = Limit of Detection  
D = Dilution  
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value  
B = Analyte Found in Associated Method Blank  
\* = indicates the duplicate analysis is not within control limits.  
E = Indicates the reported value is estimated because of the presence of interference.  
OR = Over Range  
N = Spiked sample recovery not within control limits

## Report of Analysis

|                   |                               |                 |          |
|-------------------|-------------------------------|-----------------|----------|
| Client:           | Tetra Tech NUS, Inc.          | Date Collected: | 05/14/25 |
| Project:          | NWIRP Bethpage 112G08005-WE13 | Date Received:  | 05/16/25 |
| Client Sample ID: | RW8-SP303-90-20250514         | SDG No.:        | Q2064    |
| Lab Sample ID:    | Q2064-08                      | Matrix:         | Water    |
| Level (low/med):  | low                           | % Solid:        | 0        |

| Cas       | Parameter | Conc.  | Qua. | DF | MDL   | LOD  | LOQ / CRQL | Units | Prep Date      | Date Ana.      | Ana Met. | Prep Met. |
|-----------|-----------|--------|------|----|-------|------|------------|-------|----------------|----------------|----------|-----------|
| 7429-90-5 | Aluminum  | 9.84   | J    | 1  | 5.67  | 40.0 | 50.0       | ug/L  | 05/16/25 10:30 | 05/19/25 19:05 | 6010D    | SW3010    |
| 7440-36-0 | Antimony  | 6.25   | U    | 1  | 3.38  | 6.25 | 25.0       | ug/L  | 05/16/25 10:30 | 05/19/25 19:05 | 6010D    | SW3010    |
| 7440-38-2 | Arsenic   | 7.50   | U    | 1  | 2.56  | 7.50 | 10.0       | ug/L  | 05/16/25 10:30 | 05/19/25 19:05 | 6010D    | SW3010    |
| 7440-39-3 | Barium    | 15.2   | J    | 1  | 7.28  | 12.5 | 50.0       | ug/L  | 05/16/25 10:30 | 05/19/25 19:05 | 6010D    | SW3010    |
| 7440-41-7 | Beryllium | 0.75   | U    | 1  | 0.28  | 0.75 | 3.00       | ug/L  | 05/16/25 10:30 | 05/19/25 19:05 | 6010D    | SW3010    |
| 7440-43-9 | Cadmium   | 0.75   | U    | 1  | 0.25  | 0.75 | 3.00       | ug/L  | 05/16/25 10:30 | 05/19/25 19:05 | 6010D    | SW3010    |
| 7440-70-2 | Calcium   | 572    | J    | 1  | 117   | 250  | 1000       | ug/L  | 05/16/25 10:30 | 05/19/25 19:05 | 6010D    | SW3010    |
| 7440-47-3 | Chromium  | 2.50   | U    | 1  | 1.06  | 2.50 | 5.00       | ug/L  | 05/16/25 10:30 | 05/19/25 19:05 | 6010D    | SW3010    |
| 7440-48-4 | Cobalt    | 3.75   | U    | 1  | 1.13  | 3.75 | 15.0       | ug/L  | 05/16/25 10:30 | 05/19/25 19:05 | 6010D    | SW3010    |
| 7440-50-8 | Copper    | 8.00   | U    | 1  | 2.30  | 8.00 | 10.0       | ug/L  | 05/16/25 10:30 | 05/19/25 19:05 | 6010D    | SW3010    |
| 7439-89-6 | Iron      | 281    | N    | 1  | 11.7  | 40.0 | 50.0       | ug/L  | 05/16/25 10:30 | 05/19/25 19:05 | 6010D    | SW3010    |
| 7439-92-1 | Lead      | 4.80   | U    | 1  | 1.15  | 4.80 | 6.00       | ug/L  | 05/16/25 10:30 | 05/19/25 19:05 | 6010D    | SW3010    |
| 7439-95-4 | Magnesium | 284    | J    | 1  | 122   | 250  | 1000       | ug/L  | 05/16/25 10:30 | 05/19/25 19:05 | 6010D    | SW3010    |
| 7439-96-5 | Manganese | 23.9   |      | 1  | 2.97  | 7.50 | 10.0       | ug/L  | 05/16/25 10:30 | 05/19/25 19:05 | 6010D    | SW3010    |
| 7439-97-6 | Mercury   | 0.16   | UN   | 1  | 0.076 | 0.16 | 0.20       | ug/L  | 05/16/25 14:20 | 05/20/25 11:27 | 7470A    |           |
| 7440-02-0 | Nickel    | 18.7   | J    | 1  | 1.53  | 5.00 | 20.0       | ug/L  | 05/16/25 10:30 | 05/19/25 19:05 | 6010D    | SW3010    |
| 7440-09-7 | Potassium | 320000 |      | 1  | 459   | 800  | 1000       | ug/L  | 05/16/25 10:30 | 05/19/25 19:05 | 6010D    | SW3010    |
| 7782-49-2 | Selenium  | 8.00   | U    | 1  | 4.82  | 8.00 | 10.0       | ug/L  | 05/16/25 10:30 | 05/19/25 19:05 | 6010D    | SW3010    |
| 7440-22-4 | Silver    | 2.50   | UN   | 1  | 0.81  | 2.50 | 5.00       | ug/L  | 05/16/25 10:30 | 05/19/25 19:05 | 6010D    | SW3010    |
| 7440-23-5 | Sodium    | 51400  |      | 1  | 434   | 500  | 1000       | ug/L  | 05/16/25 10:30 | 05/19/25 19:05 | 6010D    | SW3010    |
| 7440-28-0 | Thallium  | 10.0   | U    | 1  | 2.19  | 10.0 | 20.0       | ug/L  | 05/16/25 10:30 | 05/19/25 19:05 | 6010D    | SW3010    |
| 7440-62-2 | Vanadium  | 10.0   | U    | 1  | 3.13  | 10.0 | 20.0       | ug/L  | 05/16/25 10:30 | 05/19/25 19:05 | 6010D    | SW3010    |
| 7440-66-6 | Zinc      | 26.4   |      | 1  | 8.33  | 7.50 | 20.0       | ug/L  | 05/16/25 10:30 | 05/19/25 19:05 | 6010D    | SW3010    |

|               |            |                 |       |            |
|---------------|------------|-----------------|-------|------------|
| Color Before: | Colorless  | Clarity Before: | Clear | Texture:   |
| Color After:  | Colorless  | Clarity After:  | Clear | Artifacts: |
| Comments:     | METALS-TAL |                 |       |            |

U = Not Detected  
 LOQ = Limit of Quantitation  
 MDL = Method Detection Limit  
 LOD = Limit of Detection  
 D = Dilution  
 Q = indicates LCS control criteria did not meet requirements

J = Estimated Value  
 B = Analyte Found in Associated Method Blank  
 \* = indicates the duplicate analysis is not within control limits.  
 E = Indicates the reported value is estimated because of the presence of interference.  
 OR = Over Range  
 N = Spiked sample recovery not within control limits



# METAL CALIBRATION DATA

**Metals**

- 2a -

**INITIAL AND CONTINUING CALIBRATION VERIFICATION**

**Client:** Tetra Tech NUS, Inc. **SDG No.:** Q2064

**Contract:** TETR06 **Lab Code:** CHEM **Case No.:** Q2064 **SAS No.:** Q2064

**Initial Calibration Source:** EPA

**Continuing Calibration Source:** PLASMA-PURE

| Sample ID | Analyte | Result<br>ug/L | True Value | %<br>Recovery | Acceptance<br>Window (%R) | M  | Analysis<br>Date | Analysis<br>Time | Run<br>Number |
|-----------|---------|----------------|------------|---------------|---------------------------|----|------------------|------------------|---------------|
| ICV11     | Mercury | 4.19           | 4.0        | 105           | 90 - 110                  | CV | 05/20/2025       | 09:36            | LB135832      |



# Metals

- 2a -

## INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Tetra Tech NUS, Inc. SDG No.: Q2064  
 Contract: TETR06 Lab Code: CHEM Case No.: Q2064 SAS No.: Q2064  
 Initial Calibration Source: EPA  
 Continuing Calibration Source: PLASMA-PURE

| Sample ID | Analyte | Result<br>ug/L | True Value | %<br>Recovery | Acceptance<br>Window (%R) | M  | Analysis<br>Date | Analysis<br>Time | Run<br>Number |
|-----------|---------|----------------|------------|---------------|---------------------------|----|------------------|------------------|---------------|
| CCV40     | Mercury | 4.95           | 5.0        | 99            | 90 - 110                  | CV | 05/20/2025       | 09:43            | LB135832      |
| CCV41     | Mercury | 4.68           | 5.0        | 94            | 90 - 110                  | CV | 05/20/2025       | 10:13            | LB135832      |
| CCV42     | Mercury | 4.92           | 5.0        | 98            | 90 - 110                  | CV | 05/20/2025       | 10:42            | LB135832      |
| CCV43     | Mercury | 5.34           | 5.0        | 107           | 90 - 110                  | CV | 05/20/2025       | 11:09            | LB135832      |
| CCV44     | Mercury | 4.83           | 5.0        | 97            | 90 - 110                  | CV | 05/20/2025       | 11:36            | LB135832      |
| CCV45     | Mercury | 4.84           | 5.0        | 97            | 90 - 110                  | CV | 05/20/2025       | 11:55            | LB135832      |

## Metals

- 2a -

### INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Tetra Tech NUS, Inc. SDG No.: Q2064  
Contract: TETR06 Lab Code: CHEM Case No.: Q2064 SAS No.: Q2064  
Initial Calibration Source: EPA  
Continuing Calibration Source: Inorganic Ventures

| Sample ID | Analyte   | Result<br>ug/L | True Value | %<br>Recovery | Acceptance<br>Window (%R) | M | Analysis<br>Date | Analysis<br>Time | Run<br>Number |
|-----------|-----------|----------------|------------|---------------|---------------------------|---|------------------|------------------|---------------|
| ICV01     | Aluminum  | 2510           | 2500       | 100           | 90 - 110                  | P | 05/19/2025       | 12:28            | LB135823      |
|           | Antimony  | 1030           | 1000       | 102           | 90 - 110                  | P | 05/19/2025       | 12:28            | LB135823      |
|           | Arsenic   | 992            | 1000       | 99            | 90 - 110                  | P | 05/19/2025       | 12:28            | LB135823      |
|           | Barium    | 493            | 520        | 95            | 90 - 110                  | P | 05/19/2025       | 12:28            | LB135823      |
|           | Beryllium | 501            | 510        | 98            | 90 - 110                  | P | 05/19/2025       | 12:28            | LB135823      |
|           | Cadmium   | 508            | 510        | 100           | 90 - 110                  | P | 05/19/2025       | 12:28            | LB135823      |
|           | Calcium   | 9850           | 10000      | 98            | 90 - 110                  | P | 05/19/2025       | 12:28            | LB135823      |
|           | Chromium  | 519            | 520        | 100           | 90 - 110                  | P | 05/19/2025       | 12:28            | LB135823      |
|           | Cobalt    | 503            | 520        | 97            | 90 - 110                  | P | 05/19/2025       | 12:28            | LB135823      |
|           | Copper    | 515            | 510        | 101           | 90 - 110                  | P | 05/19/2025       | 12:28            | LB135823      |
|           | Iron      | 9600           | 10000      | 96            | 90 - 110                  | P | 05/19/2025       | 12:28            | LB135823      |
|           | Lead      | 998            | 1000       | 100           | 90 - 110                  | P | 05/19/2025       | 12:28            | LB135823      |
|           | Magnesium | 5770           | 6000       | 96            | 90 - 110                  | P | 05/19/2025       | 12:28            | LB135823      |
|           | Manganese | 511            | 520        | 98            | 90 - 110                  | P | 05/19/2025       | 12:28            | LB135823      |
|           | Nickel    | 504            | 530        | 95            | 90 - 110                  | P | 05/19/2025       | 12:28            | LB135823      |
|           | Potassium | 9360           | 9900       | 95            | 90 - 110                  | P | 05/19/2025       | 12:28            | LB135823      |
|           | Selenium  | 1010           | 1000       | 101           | 90 - 110                  | P | 05/19/2025       | 12:28            | LB135823      |
|           | Silver    | 232            | 250        | 93            | 90 - 110                  | P | 05/19/2025       | 12:28            | LB135823      |
|           | Sodium    | 9970           | 10000      | 100           | 90 - 110                  | P | 05/19/2025       | 12:28            | LB135823      |
|           | Thallium  | 1030           | 1000       | 103           | 90 - 110                  | P | 05/19/2025       | 12:28            | LB135823      |
|           | Vanadium  | 497            | 500        | 100           | 90 - 110                  | P | 05/19/2025       | 12:28            | LB135823      |
|           | Zinc      | 1020           | 1000       | 102           | 90 - 110                  | P | 05/19/2025       | 12:28            | LB135823      |

## Metals

- 2a -

### INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Tetra Tech NUS, Inc. SDG No.: Q2064  
Contract: TETR06 Lab Code: CHEM Case No.: Q2064 SAS No.: Q2064  
Initial Calibration Source: EPA  
Continuing Calibration Source: Inorganic Ventures

| Sample ID | Analyte   | Result<br>ug/L | True Value | %<br>Recovery | Acceptance<br>Window (%R) | M | Analysis<br>Date | Analysis<br>Time | Run<br>Number |
|-----------|-----------|----------------|------------|---------------|---------------------------|---|------------------|------------------|---------------|
| LLICV01   | Aluminum  | 106            | 100        | 106           | 80 - 120                  | P | 05/19/2025       | 12:38            | LB135823      |
|           | Antimony  | 54.4           | 50.0       | 109           | 80 - 120                  | P | 05/19/2025       | 12:38            | LB135823      |
|           | Arsenic   | 18.1           | 20.0       | 91            | 80 - 120                  | P | 05/19/2025       | 12:38            | LB135823      |
|           | Barium    | 95.7           | 100        | 96            | 80 - 120                  | P | 05/19/2025       | 12:38            | LB135823      |
|           | Beryllium | 6.32           | 6.0        | 105           | 80 - 120                  | P | 05/19/2025       | 12:38            | LB135823      |
|           | Cadmium   | 6.31           | 6.0        | 105           | 80 - 120                  | P | 05/19/2025       | 12:38            | LB135823      |
|           | Calcium   | 2040           | 2000       | 102           | 80 - 120                  | P | 05/19/2025       | 12:38            | LB135823      |
|           | Chromium  | 9.85           | 10.0       | 98            | 80 - 120                  | P | 05/19/2025       | 12:38            | LB135823      |
|           | Cobalt    | 30.1           | 30.0       | 100           | 80 - 120                  | P | 05/19/2025       | 12:38            | LB135823      |
|           | Copper    | 22.6           | 20.0       | 113           | 80 - 120                  | P | 05/19/2025       | 12:38            | LB135823      |
|           | Iron      | 101            | 100        | 101           | 80 - 120                  | P | 05/19/2025       | 12:38            | LB135823      |
|           | Lead      | 11.2           | 12.0       | 93            | 80 - 120                  | P | 05/19/2025       | 12:38            | LB135823      |
|           | Magnesium | 2130           | 2000       | 106           | 80 - 120                  | P | 05/19/2025       | 12:38            | LB135823      |
|           | Manganese | 21.6           | 20.0       | 108           | 80 - 120                  | P | 05/19/2025       | 12:38            | LB135823      |
|           | Nickel    | 40.4           | 40.0       | 101           | 80 - 120                  | P | 05/19/2025       | 12:38            | LB135823      |
|           | Potassium | 1880           | 2000       | 94            | 80 - 120                  | P | 05/19/2025       | 12:38            | LB135823      |
|           | Selenium  | 22.2           | 20.0       | 111           | 80 - 120                  | P | 05/19/2025       | 12:38            | LB135823      |
|           | Silver    | 10.5           | 10.0       | 105           | 80 - 120                  | P | 05/19/2025       | 12:38            | LB135823      |
|           | Sodium    | 1840           | 2000       | 92            | 80 - 120                  | P | 05/19/2025       | 12:38            | LB135823      |
|           | Thallium  | 44.4           | 40.0       | 111           | 80 - 120                  | P | 05/19/2025       | 12:38            | LB135823      |
|           | Vanadium  | 41.2           | 40.0       | 103           | 80 - 120                  | P | 05/19/2025       | 12:38            | LB135823      |
|           | Zinc      | 41.7           | 40.0       | 104           | 80 - 120                  | P | 05/19/2025       | 12:38            | LB135823      |

# Metals

- 2a -

## INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Tetra Tech NUS, Inc. SDG No.: Q2064  
Contract: TETR06 Lab Code: CHEM Case No.: Q2064 SAS No.: Q2064  
Initial Calibration Source: EPA  
Continuing Calibration Source: Inorganic Ventures

| Sample ID | Analyte   | Result<br>ug/L | True Value | %<br>Recovery | Acceptance<br>Window (%R) | M | Analysis<br>Date | Analysis<br>Time | Run<br>Number |
|-----------|-----------|----------------|------------|---------------|---------------------------|---|------------------|------------------|---------------|
| CCV01     | Aluminum  | 10300          | 10000      | 104           | 90 - 110                  | P | 05/19/2025       | 13:15            | LB135823      |
|           | Antimony  | 5120           | 5000       | 102           | 90 - 110                  | P | 05/19/2025       | 13:15            | LB135823      |
|           | Arsenic   | 5120           | 5000       | 102           | 90 - 110                  | P | 05/19/2025       | 13:15            | LB135823      |
|           | Barium    | 10100          | 10000      | 101           | 90 - 110                  | P | 05/19/2025       | 13:15            | LB135823      |
|           | Beryllium | 269            | 250        | 107           | 90 - 110                  | P | 05/19/2025       | 13:15            | LB135823      |
|           | Cadmium   | 2540           | 2500       | 102           | 90 - 110                  | P | 05/19/2025       | 13:15            | LB135823      |
|           | Calcium   | 25400          | 25000      | 102           | 90 - 110                  | P | 05/19/2025       | 13:15            | LB135823      |
|           | Chromium  | 1020           | 1000       | 102           | 90 - 110                  | P | 05/19/2025       | 13:15            | LB135823      |
|           | Cobalt    | 2550           | 2500       | 102           | 90 - 110                  | P | 05/19/2025       | 13:15            | LB135823      |
|           | Copper    | 1290           | 1250       | 104           | 90 - 110                  | P | 05/19/2025       | 13:15            | LB135823      |
|           | Iron      | 4980           | 5000       | 100           | 90 - 110                  | P | 05/19/2025       | 13:15            | LB135823      |
|           | Lead      | 5090           | 5000       | 102           | 90 - 110                  | P | 05/19/2025       | 13:15            | LB135823      |
|           | Magnesium | 25300          | 25000      | 101           | 90 - 110                  | P | 05/19/2025       | 13:15            | LB135823      |
|           | Manganese | 2580           | 2500       | 103           | 90 - 110                  | P | 05/19/2025       | 13:15            | LB135823      |
|           | Nickel    | 2550           | 2500       | 102           | 90 - 110                  | P | 05/19/2025       | 13:15            | LB135823      |
|           | Potassium | 24900          | 25000      | 99            | 90 - 110                  | P | 05/19/2025       | 13:15            | LB135823      |
|           | Selenium  | 5180           | 5000       | 104           | 90 - 110                  | P | 05/19/2025       | 13:15            | LB135823      |
|           | Silver    | 1280           | 1250       | 102           | 90 - 110                  | P | 05/19/2025       | 13:15            | LB135823      |
|           | Sodium    | 25000          | 25000      | 100           | 90 - 110                  | P | 05/19/2025       | 13:15            | LB135823      |
|           | Thallium  | 5220           | 5000       | 104           | 90 - 110                  | P | 05/19/2025       | 13:15            | LB135823      |
| CCV02     | Vanadium  | 2540           | 2500       | 101           | 90 - 110                  | P | 05/19/2025       | 13:15            | LB135823      |
|           | Zinc      | 2600           | 2500       | 104           | 90 - 110                  | P | 05/19/2025       | 13:15            | LB135823      |
|           | Aluminum  | 10200          | 10000      | 102           | 90 - 110                  | P | 05/19/2025       | 14:13            | LB135823      |
|           | Antimony  | 5060           | 5000       | 101           | 90 - 110                  | P | 05/19/2025       | 14:13            | LB135823      |
|           | Arsenic   | 5060           | 5000       | 101           | 90 - 110                  | P | 05/19/2025       | 14:13            | LB135823      |
|           | Barium    | 10200          | 10000      | 102           | 90 - 110                  | P | 05/19/2025       | 14:13            | LB135823      |
|           | Beryllium | 257            | 250        | 103           | 90 - 110                  | P | 05/19/2025       | 14:13            | LB135823      |
|           | Cadmium   | 2540           | 2500       | 101           | 90 - 110                  | P | 05/19/2025       | 14:13            | LB135823      |
|           | Calcium   | 25300          | 25000      | 101           | 90 - 110                  | P | 05/19/2025       | 14:13            | LB135823      |
|           | Chromium  | 1020           | 1000       | 102           | 90 - 110                  | P | 05/19/2025       | 14:13            | LB135823      |
|           | Cobalt    | 2540           | 2500       | 102           | 90 - 110                  | P | 05/19/2025       | 14:13            | LB135823      |
|           | Copper    | 1280           | 1250       | 102           | 90 - 110                  | P | 05/19/2025       | 14:13            | LB135823      |
|           | Iron      | 5170           | 5000       | 103           | 90 - 110                  | P | 05/19/2025       | 14:13            | LB135823      |
|           | Lead      | 5070           | 5000       | 101           | 90 - 110                  | P | 05/19/2025       | 14:13            | LB135823      |

# Metals

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## INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Tetra Tech NUS, Inc. SDG No.: Q2064  
Contract: TETR06 Lab Code: CHEM Case No.: Q2064 SAS No.: Q2064  
Initial Calibration Source: EPA  
Continuing Calibration Source: Inorganic Ventures

| Sample ID | Analyte   | Result<br>ug/L | True Value | %<br>Recovery | Acceptance<br>Window (%R) | M | Analysis<br>Date | Analysis<br>Time | Run<br>Number |
|-----------|-----------|----------------|------------|---------------|---------------------------|---|------------------|------------------|---------------|
| CCV02     | Magnesium | 25100          | 25000      | 101           | 90 - 110                  | P | 05/19/2025       | 14:13            | LB135823      |
|           | Manganese | 2550           | 2500       | 102           | 90 - 110                  | P | 05/19/2025       | 14:13            | LB135823      |
|           | Nickel    | 2540           | 2500       | 102           | 90 - 110                  | P | 05/19/2025       | 14:13            | LB135823      |
|           | Potassium | 25800          | 25000      | 103           | 90 - 110                  | P | 05/19/2025       | 14:13            | LB135823      |
|           | Selenium  | 5100           | 5000       | 102           | 90 - 110                  | P | 05/19/2025       | 14:13            | LB135823      |
|           | Silver    | 1280           | 1250       | 102           | 90 - 110                  | P | 05/19/2025       | 14:13            | LB135823      |
|           | Sodium    | 26000          | 25000      | 104           | 90 - 110                  | P | 05/19/2025       | 14:13            | LB135823      |
|           | Thallium  | 5210           | 5000       | 104           | 90 - 110                  | P | 05/19/2025       | 14:13            | LB135823      |
|           | Vanadium  | 2540           | 2500       | 102           | 90 - 110                  | P | 05/19/2025       | 14:13            | LB135823      |
|           | Zinc      | 2570           | 2500       | 103           | 90 - 110                  | P | 05/19/2025       | 14:13            | LB135823      |
| CCV03     | Aluminum  | 9860           | 10000      | 99            | 90 - 110                  | P | 05/19/2025       | 15:14            | LB135823      |
|           | Antimony  | 4930           | 5000       | 99            | 90 - 110                  | P | 05/19/2025       | 15:14            | LB135823      |
|           | Arsenic   | 4900           | 5000       | 98            | 90 - 110                  | P | 05/19/2025       | 15:14            | LB135823      |
|           | Barium    | 9580           | 10000      | 96            | 90 - 110                  | P | 05/19/2025       | 15:14            | LB135823      |
|           | Beryllium | 255            | 250        | 102           | 90 - 110                  | P | 05/19/2025       | 15:14            | LB135823      |
|           | Cadmium   | 2430           | 2500       | 97            | 90 - 110                  | P | 05/19/2025       | 15:14            | LB135823      |
|           | Calcium   | 24200          | 25000      | 97            | 90 - 110                  | P | 05/19/2025       | 15:14            | LB135823      |
|           | Chromium  | 982            | 1000       | 98            | 90 - 110                  | P | 05/19/2025       | 15:14            | LB135823      |
|           | Cobalt    | 2440           | 2500       | 98            | 90 - 110                  | P | 05/19/2025       | 15:14            | LB135823      |
|           | Copper    | 1240           | 1250       | 99            | 90 - 110                  | P | 05/19/2025       | 15:14            | LB135823      |
|           | Iron      | 4730           | 5000       | 94            | 90 - 110                  | P | 05/19/2025       | 15:14            | LB135823      |
|           | Lead      | 4880           | 5000       | 98            | 90 - 110                  | P | 05/19/2025       | 15:14            | LB135823      |
|           | Magnesium | 24400          | 25000      | 98            | 90 - 110                  | P | 05/19/2025       | 15:14            | LB135823      |
|           | Manganese | 2440           | 2500       | 98            | 90 - 110                  | P | 05/19/2025       | 15:14            | LB135823      |
|           | Nickel    | 2440           | 2500       | 98            | 90 - 110                  | P | 05/19/2025       | 15:14            | LB135823      |
|           | Potassium | 23700          | 25000      | 95            | 90 - 110                  | P | 05/19/2025       | 15:14            | LB135823      |
|           | Selenium  | 4960           | 5000       | 99            | 90 - 110                  | P | 05/19/2025       | 15:14            | LB135823      |
|           | Silver    | 1230           | 1250       | 98            | 90 - 110                  | P | 05/19/2025       | 15:14            | LB135823      |
|           | Sodium    | 23600          | 25000      | 94            | 90 - 110                  | P | 05/19/2025       | 15:14            | LB135823      |
|           | Thallium  | 4950           | 5000       | 99            | 90 - 110                  | P | 05/19/2025       | 15:14            | LB135823      |
|           | Vanadium  | 2430           | 2500       | 97            | 90 - 110                  | P | 05/19/2025       | 15:14            | LB135823      |
|           | Zinc      | 2480           | 2500       | 99            | 90 - 110                  | P | 05/19/2025       | 15:14            | LB135823      |
| CCV04     | Aluminum  | 9920           | 10000      | 99            | 90 - 110                  | P | 05/19/2025       | 16:03            | LB135823      |
|           | Antimony  | 4960           | 5000       | 99            | 90 - 110                  | P | 05/19/2025       | 16:03            | LB135823      |

# Metals

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## INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Tetra Tech NUS, Inc. SDG No.: Q2064  
Contract: TETR06 Lab Code: CHEM Case No.: Q2064 SAS No.: Q2064  
Initial Calibration Source: EPA  
Continuing Calibration Source: Inorganic Ventures

| Sample ID | Analyte   | Result<br>ug/L | True Value | %<br>Recovery | Acceptance<br>Window (%R) | M | Analysis<br>Date | Analysis<br>Time | Run<br>Number |
|-----------|-----------|----------------|------------|---------------|---------------------------|---|------------------|------------------|---------------|
| CCV04     | Arsenic   | 4940           | 5000       | 99            | 90 - 110                  | P | 05/19/2025       | 16:03            | LB135823      |
|           | Barium    | 9750           | 10000      | 98            | 90 - 110                  | P | 05/19/2025       | 16:03            | LB135823      |
|           | Beryllium | 252            | 250        | 101           | 90 - 110                  | P | 05/19/2025       | 16:03            | LB135823      |
|           | Cadmium   | 2450           | 2500       | 98            | 90 - 110                  | P | 05/19/2025       | 16:03            | LB135823      |
|           | Calcium   | 24300          | 25000      | 97            | 90 - 110                  | P | 05/19/2025       | 16:03            | LB135823      |
|           | Chromium  | 989            | 1000       | 99            | 90 - 110                  | P | 05/19/2025       | 16:03            | LB135823      |
|           | Cobalt    | 2460           | 2500       | 98            | 90 - 110                  | P | 05/19/2025       | 16:03            | LB135823      |
|           | Copper    | 1250           | 1250       | 100           | 90 - 110                  | P | 05/19/2025       | 16:03            | LB135823      |
|           | Iron      | 4970           | 5000       | 99            | 90 - 110                  | P | 05/19/2025       | 16:03            | LB135823      |
|           | Lead      | 4880           | 5000       | 98            | 90 - 110                  | P | 05/19/2025       | 16:03            | LB135823      |
|           | Magnesium | 24300          | 25000      | 97            | 90 - 110                  | P | 05/19/2025       | 16:03            | LB135823      |
|           | Manganese | 2460           | 2500       | 98            | 90 - 110                  | P | 05/19/2025       | 16:03            | LB135823      |
|           | Nickel    | 2450           | 2500       | 98            | 90 - 110                  | P | 05/19/2025       | 16:03            | LB135823      |
|           | Potassium | 25000          | 25000      | 100           | 90 - 110                  | P | 05/19/2025       | 16:03            | LB135823      |
|           | Selenium  | 5030           | 5000       | 101           | 90 - 110                  | P | 05/19/2025       | 16:03            | LB135823      |
|           | Silver    | 1250           | 1250       | 100           | 90 - 110                  | P | 05/19/2025       | 16:03            | LB135823      |
|           | Sodium    | 25100          | 25000      | 100           | 90 - 110                  | P | 05/19/2025       | 16:03            | LB135823      |
|           | Thallium  | 5180           | 5000       | 104           | 90 - 110                  | P | 05/19/2025       | 16:03            | LB135823      |
|           | Vanadium  | 2450           | 2500       | 98            | 90 - 110                  | P | 05/19/2025       | 16:03            | LB135823      |
|           | Zinc      | 2510           | 2500       | 101           | 90 - 110                  | P | 05/19/2025       | 16:03            | LB135823      |
| CCV05     | Aluminum  | 9910           | 10000      | 99            | 90 - 110                  | P | 05/19/2025       | 16:47            | LB135823      |
|           | Antimony  | 4930           | 5000       | 99            | 90 - 110                  | P | 05/19/2025       | 16:47            | LB135823      |
|           | Arsenic   | 4890           | 5000       | 98            | 90 - 110                  | P | 05/19/2025       | 16:47            | LB135823      |
|           | Barium    | 9850           | 10000      | 98            | 90 - 110                  | P | 05/19/2025       | 16:47            | LB135823      |
|           | Beryllium | 258            | 250        | 103           | 90 - 110                  | P | 05/19/2025       | 16:47            | LB135823      |
|           | Cadmium   | 2440           | 2500       | 98            | 90 - 110                  | P | 05/19/2025       | 16:47            | LB135823      |
|           | Calcium   | 24300          | 25000      | 97            | 90 - 110                  | P | 05/19/2025       | 16:47            | LB135823      |
|           | Chromium  | 980            | 1000       | 98            | 90 - 110                  | P | 05/19/2025       | 16:47            | LB135823      |
|           | Cobalt    | 2450           | 2500       | 98            | 90 - 110                  | P | 05/19/2025       | 16:47            | LB135823      |
|           | Copper    | 1240           | 1250       | 99            | 90 - 110                  | P | 05/19/2025       | 16:47            | LB135823      |
|           | Iron      | 4730           | 5000       | 95            | 90 - 110                  | P | 05/19/2025       | 16:47            | LB135823      |
|           | Lead      | 4870           | 5000       | 97            | 90 - 110                  | P | 05/19/2025       | 16:47            | LB135823      |
|           | Magnesium | 24500          | 25000      | 98            | 90 - 110                  | P | 05/19/2025       | 16:47            | LB135823      |
|           | Manganese | 2480           | 2500       | 99            | 90 - 110                  | P | 05/19/2025       | 16:47            | LB135823      |

# Metals

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## INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Tetra Tech NUS, Inc. SDG No.: Q2064  
Contract: TETR06 Lab Code: CHEM Case No.: Q2064 SAS No.: Q2064  
Initial Calibration Source: EPA  
Continuing Calibration Source: Inorganic Ventures

| Sample ID | Analyte   | Result<br>ug/L | True Value | %<br>Recovery | Acceptance<br>Window (%R) | M | Analysis<br>Date | Analysis<br>Time | Run<br>Number |
|-----------|-----------|----------------|------------|---------------|---------------------------|---|------------------|------------------|---------------|
| CCV05     | Nickel    | 2440           | 2500       | 98            | 90 - 110                  | P | 05/19/2025       | 16:47            | LB135823      |
|           | Potassium | 23800          | 25000      | 95            | 90 - 110                  | P | 05/19/2025       | 16:47            | LB135823      |
|           | Selenium  | 4990           | 5000       | 100           | 90 - 110                  | P | 05/19/2025       | 16:47            | LB135823      |
|           | Silver    | 1220           | 1250       | 98            | 90 - 110                  | P | 05/19/2025       | 16:47            | LB135823      |
|           | Sodium    | 23900          | 25000      | 96            | 90 - 110                  | P | 05/19/2025       | 16:47            | LB135823      |
|           | Thallium  | 5190           | 5000       | 104           | 90 - 110                  | P | 05/19/2025       | 16:47            | LB135823      |
|           | Vanadium  | 2450           | 2500       | 98            | 90 - 110                  | P | 05/19/2025       | 16:47            | LB135823      |
|           | Zinc      | 2470           | 2500       | 99            | 90 - 110                  | P | 05/19/2025       | 16:47            | LB135823      |
| CCV06     | Aluminum  | 10200          | 10000      | 102           | 90 - 110                  | P | 05/19/2025       | 17:35            | LB135823      |
|           | Antimony  | 5000           | 5000       | 100           | 90 - 110                  | P | 05/19/2025       | 17:35            | LB135823      |
|           | Arsenic   | 4920           | 5000       | 98            | 90 - 110                  | P | 05/19/2025       | 17:35            | LB135823      |
|           | Barium    | 9800           | 10000      | 98            | 90 - 110                  | P | 05/19/2025       | 17:35            | LB135823      |
|           | Beryllium | 260            | 250        | 104           | 90 - 110                  | P | 05/19/2025       | 17:35            | LB135823      |
|           | Cadmium   | 2480           | 2500       | 99            | 90 - 110                  | P | 05/19/2025       | 17:35            | LB135823      |
|           | Calcium   | 24800          | 25000      | 99            | 90 - 110                  | P | 05/19/2025       | 17:35            | LB135823      |
|           | Chromium  | 1000           | 1000       | 100           | 90 - 110                  | P | 05/19/2025       | 17:35            | LB135823      |
|           | Cobalt    | 2500           | 2500       | 100           | 90 - 110                  | P | 05/19/2025       | 17:35            | LB135823      |
|           | Copper    | 1250           | 1250       | 100           | 90 - 110                  | P | 05/19/2025       | 17:35            | LB135823      |
|           | Iron      | 4810           | 5000       | 96            | 90 - 110                  | P | 05/19/2025       | 17:35            | LB135823      |
|           | Lead      | 4940           | 5000       | 99            | 90 - 110                  | P | 05/19/2025       | 17:35            | LB135823      |
|           | Magnesium | 25100          | 25000      | 100           | 90 - 110                  | P | 05/19/2025       | 17:35            | LB135823      |
|           | Manganese | 2500           | 2500       | 100           | 90 - 110                  | P | 05/19/2025       | 17:35            | LB135823      |
|           | Nickel    | 2480           | 2500       | 99            | 90 - 110                  | P | 05/19/2025       | 17:35            | LB135823      |
|           | Potassium | 24000          | 25000      | 96            | 90 - 110                  | P | 05/19/2025       | 17:35            | LB135823      |
|           | Selenium  | 5010           | 5000       | 100           | 90 - 110                  | P | 05/19/2025       | 17:35            | LB135823      |
|           | Silver    | 1240           | 1250       | 99            | 90 - 110                  | P | 05/19/2025       | 17:35            | LB135823      |
|           | Sodium    | 23900          | 25000      | 96            | 90 - 110                  | P | 05/19/2025       | 17:35            | LB135823      |
|           | Thallium  | 5240           | 5000       | 105           | 90 - 110                  | P | 05/19/2025       | 17:35            | LB135823      |
|           | Vanadium  | 2490           | 2500       | 100           | 90 - 110                  | P | 05/19/2025       | 17:35            | LB135823      |
|           | Zinc      | 2510           | 2500       | 100           | 90 - 110                  | P | 05/19/2025       | 17:35            | LB135823      |
| CCV07     | Aluminum  | 9790           | 10000      | 98            | 90 - 110                  | P | 05/19/2025       | 18:21            | LB135823      |
|           | Antimony  | 4970           | 5000       | 99            | 90 - 110                  | P | 05/19/2025       | 18:21            | LB135823      |
|           | Arsenic   | 4960           | 5000       | 99            | 90 - 110                  | P | 05/19/2025       | 18:21            | LB135823      |
|           | Barium    | 9920           | 10000      | 99            | 90 - 110                  | P | 05/19/2025       | 18:21            | LB135823      |

# Metals

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## INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Tetra Tech NUS, Inc. SDG No.: Q2064  
Contract: TETR06 Lab Code: CHEM Case No.: Q2064 SAS No.: Q2064  
Initial Calibration Source: EPA  
Continuing Calibration Source: Inorganic Ventures

| Sample ID | Analyte   | Result<br>ug/L | True Value | %<br>Recovery | Acceptance<br>Window (%R) | M | Analysis<br>Date | Analysis<br>Time | Run<br>Number |
|-----------|-----------|----------------|------------|---------------|---------------------------|---|------------------|------------------|---------------|
| CCV07     | Beryllium | 244            | 250        | 98            | 90 - 110                  | P | 05/19/2025       | 18:21            | LB135823      |
|           | Cadmium   | 2460           | 2500       | 99            | 90 - 110                  | P | 05/19/2025       | 18:21            | LB135823      |
|           | Calcium   | 24400          | 25000      | 97            | 90 - 110                  | P | 05/19/2025       | 18:21            | LB135823      |
|           | Chromium  | 987            | 1000       | 99            | 90 - 110                  | P | 05/19/2025       | 18:21            | LB135823      |
|           | Cobalt    | 2460           | 2500       | 98            | 90 - 110                  | P | 05/19/2025       | 18:21            | LB135823      |
|           | Copper    | 1250           | 1250       | 100           | 90 - 110                  | P | 05/19/2025       | 18:21            | LB135823      |
|           | Iron      | 5100           | 5000       | 102           | 90 - 110                  | P | 05/19/2025       | 18:21            | LB135823      |
|           | Lead      | 4910           | 5000       | 98            | 90 - 110                  | P | 05/19/2025       | 18:21            | LB135823      |
|           | Magnesium | 24300          | 25000      | 97            | 90 - 110                  | P | 05/19/2025       | 18:21            | LB135823      |
|           | Manganese | 2460           | 2500       | 98            | 90 - 110                  | P | 05/19/2025       | 18:21            | LB135823      |
|           | Nickel    | 2460           | 2500       | 98            | 90 - 110                  | P | 05/19/2025       | 18:21            | LB135823      |
|           | Potassium | 25500          | 25000      | 102           | 90 - 110                  | P | 05/19/2025       | 18:21            | LB135823      |
|           | Selenium  | 5060           | 5000       | 101           | 90 - 110                  | P | 05/19/2025       | 18:21            | LB135823      |
|           | Silver    | 1240           | 1250       | 99            | 90 - 110                  | P | 05/19/2025       | 18:21            | LB135823      |
|           | Sodium    | 25400          | 25000      | 102           | 90 - 110                  | P | 05/19/2025       | 18:21            | LB135823      |
|           | Thallium  | 5140           | 5000       | 103           | 90 - 110                  | P | 05/19/2025       | 18:21            | LB135823      |
|           | Vanadium  | 2450           | 2500       | 98            | 90 - 110                  | P | 05/19/2025       | 18:21            | LB135823      |
|           | Zinc      | 2500           | 2500       | 100           | 90 - 110                  | P | 05/19/2025       | 18:21            | LB135823      |
| CCV08     | Aluminum  | 9850           | 10000      | 98            | 90 - 110                  | P | 05/19/2025       | 19:09            | LB135823      |
|           | Antimony  | 4980           | 5000       | 100           | 90 - 110                  | P | 05/19/2025       | 19:09            | LB135823      |
|           | Arsenic   | 4990           | 5000       | 100           | 90 - 110                  | P | 05/19/2025       | 19:09            | LB135823      |
|           | Barium    | 9660           | 10000      | 97            | 90 - 110                  | P | 05/19/2025       | 19:09            | LB135823      |
|           | Beryllium | 258            | 250        | 103           | 90 - 110                  | P | 05/19/2025       | 19:09            | LB135823      |
|           | Cadmium   | 2470           | 2500       | 99            | 90 - 110                  | P | 05/19/2025       | 19:09            | LB135823      |
|           | Calcium   | 24300          | 25000      | 97            | 90 - 110                  | P | 05/19/2025       | 19:09            | LB135823      |
|           | Chromium  | 985            | 1000       | 98            | 90 - 110                  | P | 05/19/2025       | 19:09            | LB135823      |
|           | Cobalt    | 2470           | 2500       | 99            | 90 - 110                  | P | 05/19/2025       | 19:09            | LB135823      |
|           | Copper    | 1250           | 1250       | 100           | 90 - 110                  | P | 05/19/2025       | 19:09            | LB135823      |
|           | Iron      | 4840           | 5000       | 97            | 90 - 110                  | P | 05/19/2025       | 19:09            | LB135823      |
|           | Lead      | 4910           | 5000       | 98            | 90 - 110                  | P | 05/19/2025       | 19:09            | LB135823      |
|           | Magnesium | 24400          | 25000      | 98            | 90 - 110                  | P | 05/19/2025       | 19:09            | LB135823      |
|           | Manganese | 2460           | 2500       | 98            | 90 - 110                  | P | 05/19/2025       | 19:09            | LB135823      |
|           | Nickel    | 2470           | 2500       | 99            | 90 - 110                  | P | 05/19/2025       | 19:09            | LB135823      |
|           | Potassium | 24600          | 25000      | 98            | 90 - 110                  | P | 05/19/2025       | 19:09            | LB135823      |



**Metals**

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**INITIAL AND CONTINUING CALIBRATION VERIFICATION**

**Client:** Tetra Tech NUS, Inc. **SDG No.:** Q2064  
**Contract:** TETR06 **Lab Code:** CHEM **Case No.:** Q2064 **SAS No.:** Q2064  
**Initial Calibration Source:** EPA  
**Continuing Calibration Source:** Inorganic Ventures

| Sample ID | Analyte   | Result<br>ug/L | True Value | %<br>Recovery | Acceptance<br>Window (%R) | M | Analysis<br>Date | Analysis<br>Time | Run<br>Number |
|-----------|-----------|----------------|------------|---------------|---------------------------|---|------------------|------------------|---------------|
| CCV08     | Selenium  | 5060           | 5000       | 101           | 90 - 110                  | P | 05/19/2025       | 19:09            | LB135823      |
|           | Silver    | 1240           | 1250       | 99            | 90 - 110                  | P | 05/19/2025       | 19:09            | LB135823      |
|           | Sodium    | 24200          | 25000      | 97            | 90 - 110                  | P | 05/19/2025       | 19:09            | LB135823      |
|           | Thallium  | 5120           | 5000       | 102           | 90 - 110                  | P | 05/19/2025       | 19:09            | LB135823      |
|           | Vanadium  | 2440           | 2500       | 98            | 90 - 110                  | P | 05/19/2025       | 19:09            | LB135823      |
|           | Zinc      | 2510           | 2500       | 100           | 90 - 110                  | P | 05/19/2025       | 19:09            | LB135823      |
| CCV09     | Aluminum  | 9590           | 10000      | 96            | 90 - 110                  | P | 05/19/2025       | 19:55            | LB135823      |
|           | Antimony  | 4940           | 5000       | 99            | 90 - 110                  | P | 05/19/2025       | 19:55            | LB135823      |
|           | Arsenic   | 4930           | 5000       | 99            | 90 - 110                  | P | 05/19/2025       | 19:55            | LB135823      |
|           | Barium    | 9570           | 10000      | 96            | 90 - 110                  | P | 05/19/2025       | 19:55            | LB135823      |
|           | Beryllium | 239            | 250        | 96            | 90 - 110                  | P | 05/19/2025       | 19:55            | LB135823      |
|           | Cadmium   | 2430           | 2500       | 97            | 90 - 110                  | P | 05/19/2025       | 19:55            | LB135823      |
|           | Calcium   | 23900          | 25000      | 95            | 90 - 110                  | P | 05/19/2025       | 19:55            | LB135823      |
|           | Chromium  | 998            | 1000       | 100           | 90 - 110                  | P | 05/19/2025       | 19:55            | LB135823      |
|           | Cobalt    | 2420           | 2500       | 97            | 90 - 110                  | P | 05/19/2025       | 19:55            | LB135823      |
|           | Copper    | 1230           | 1250       | 99            | 90 - 110                  | P | 05/19/2025       | 19:55            | LB135823      |
|           | Iron      | 5010           | 5000       | 100           | 90 - 110                  | P | 05/19/2025       | 19:55            | LB135823      |
|           | Lead      | 4870           | 5000       | 98            | 90 - 110                  | P | 05/19/2025       | 19:55            | LB135823      |
|           | Magnesium | 23800          | 25000      | 95            | 90 - 110                  | P | 05/19/2025       | 19:55            | LB135823      |
|           | Manganese | 2370           | 2500       | 95            | 90 - 110                  | P | 05/19/2025       | 19:55            | LB135823      |
|           | Nickel    | 2430           | 2500       | 97            | 90 - 110                  | P | 05/19/2025       | 19:55            | LB135823      |
|           | Potassium | 24800          | 25000      | 99            | 90 - 110                  | P | 05/19/2025       | 19:55            | LB135823      |
|           | Selenium  | 4950           | 5000       | 99            | 90 - 110                  | P | 05/19/2025       | 19:55            | LB135823      |
|           | Silver    | 1240           | 1250       | 99            | 90 - 110                  | P | 05/19/2025       | 19:55            | LB135823      |
|           | Sodium    | 24500          | 25000      | 98            | 90 - 110                  | P | 05/19/2025       | 19:55            | LB135823      |
|           | Thallium  | 5050           | 5000       | 101           | 90 - 110                  | P | 05/19/2025       | 19:55            | LB135823      |
|           | Vanadium  | 2400           | 2500       | 96            | 90 - 110                  | P | 05/19/2025       | 19:55            | LB135823      |
|           | Zinc      | 2480           | 2500       | 99            | 90 - 110                  | P | 05/19/2025       | 19:55            | LB135823      |
| CCV10     | Aluminum  | 9740           | 10000      | 97            | 90 - 110                  | P | 05/19/2025       | 20:11            | LB135823      |
|           | Antimony  | 4930           | 5000       | 99            | 90 - 110                  | P | 05/19/2025       | 20:11            | LB135823      |
|           | Arsenic   | 4950           | 5000       | 99            | 90 - 110                  | P | 05/19/2025       | 20:11            | LB135823      |
|           | Barium    | 9450           | 10000      | 94            | 90 - 110                  | P | 05/19/2025       | 20:11            | LB135823      |
|           | Beryllium | 256            | 250        | 102           | 90 - 110                  | P | 05/19/2025       | 20:11            | LB135823      |
|           | Cadmium   | 2440           | 2500       | 98            | 90 - 110                  | P | 05/19/2025       | 20:11            | LB135823      |

# Metals

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## INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Tetra Tech NUS, Inc. SDG No.: Q2064  
 Contract: TETR06 Lab Code: CHEM Case No.: Q2064 SAS No.: Q2064  
 Initial Calibration Source: EPA  
 Continuing Calibration Source: Inorganic Ventures

| Sample ID | Analyte   | Result<br>ug/L | True Value | %<br>Recovery | Acceptance<br>Window (%R) | M | Analysis<br>Date | Analysis<br>Time | Run<br>Number |
|-----------|-----------|----------------|------------|---------------|---------------------------|---|------------------|------------------|---------------|
| CCV10     | Calcium   | 24000          | 25000      | 96            | 90 - 110                  | P | 05/19/2025       | 20:11            | LB135823      |
|           | Chromium  | 984            | 1000       | 98            | 90 - 110                  | P | 05/19/2025       | 20:11            | LB135823      |
|           | Cobalt    | 2440           | 2500       | 97            | 90 - 110                  | P | 05/19/2025       | 20:11            | LB135823      |
|           | Copper    | 1240           | 1250       | 99            | 90 - 110                  | P | 05/19/2025       | 20:11            | LB135823      |
|           | Iron      | 4710           | 5000       | 94            | 90 - 110                  | P | 05/19/2025       | 20:11            | LB135823      |
|           | Lead      | 4880           | 5000       | 98            | 90 - 110                  | P | 05/19/2025       | 20:11            | LB135823      |
|           | Magnesium | 24300          | 25000      | 97            | 90 - 110                  | P | 05/19/2025       | 20:11            | LB135823      |
|           | Manganese | 2400           | 2500       | 96            | 90 - 110                  | P | 05/19/2025       | 20:11            | LB135823      |
|           | Nickel    | 2440           | 2500       | 98            | 90 - 110                  | P | 05/19/2025       | 20:11            | LB135823      |
|           | Potassium | 23300          | 25000      | 93            | 90 - 110                  | P | 05/19/2025       | 20:11            | LB135823      |
|           | Selenium  | 4990           | 5000       | 100           | 90 - 110                  | P | 05/19/2025       | 20:11            | LB135823      |
|           | Silver    | 1220           | 1250       | 98            | 90 - 110                  | P | 05/19/2025       | 20:11            | LB135823      |
|           | Sodium    | 22800          | 25000      | 91            | 90 - 110                  | P | 05/19/2025       | 20:11            | LB135823      |
|           | Thallium  | 5050           | 5000       | 101           | 90 - 110                  | P | 05/19/2025       | 20:11            | LB135823      |
|           | Vanadium  | 2410           | 2500       | 97            | 90 - 110                  | P | 05/19/2025       | 20:11            | LB135823      |
|           | Zinc      | 2450           | 2500       | 98            | 90 - 110                  | P | 05/19/2025       | 20:11            | LB135823      |

**Metals**

- 2b -

**CRDL STANDARD FOR AA & ICP**

**Client:** Tetra Tech NUS, Inc. **SDG No.:** Q2064  
**Contract:** TETR06 **Lab Code:** CHEM **Case No.:** Q2064 **SAS No.:** Q2064  
**Initial Calibration Source:** \_\_\_\_\_  
**Continuing Calibration Source:** \_\_\_\_\_

| Sample ID | Analyte   | Result<br>ug/L | True Value<br>ug/L | %<br>Recovery | Acceptance<br>Window (%R) | M  | Analysis<br>Date | Analysis<br>Time | Run<br>Number |
|-----------|-----------|----------------|--------------------|---------------|---------------------------|----|------------------|------------------|---------------|
| CRI01     | Aluminum  | 113            | 100                | 113           | 65 - 135                  | P  | 05/19/2025       | 12:48            | LB135823      |
|           | Antimony  | 52.5           | 50.0               | 105           | 65 - 135                  | P  | 05/19/2025       | 12:48            | LB135823      |
|           | Arsenic   | 19.7           | 20.0               | 99            | 65 - 135                  | P  | 05/19/2025       | 12:48            | LB135823      |
|           | Barium    | 96.2           | 100                | 96            | 65 - 135                  | P  | 05/19/2025       | 12:48            | LB135823      |
|           | Beryllium | 6.10           | 6.0                | 102           | 65 - 135                  | P  | 05/19/2025       | 12:48            | LB135823      |
|           | Cadmium   | 6.33           | 6.0                | 106           | 65 - 135                  | P  | 05/19/2025       | 12:48            | LB135823      |
|           | Calcium   | 2050           | 2000               | 102           | 65 - 135                  | P  | 05/19/2025       | 12:48            | LB135823      |
|           | Chromium  | 10.1           | 10.0               | 101           | 65 - 135                  | P  | 05/19/2025       | 12:48            | LB135823      |
|           | Cobalt    | 30.0           | 30.0               | 100           | 65 - 135                  | P  | 05/19/2025       | 12:48            | LB135823      |
|           | Copper    | 22.7           | 20.0               | 114           | 65 - 135                  | P  | 05/19/2025       | 12:48            | LB135823      |
|           | Iron      | 102            | 100                | 102           | 65 - 135                  | P  | 05/19/2025       | 12:48            | LB135823      |
|           | Lead      | 12.8           | 12.0               | 107           | 65 - 135                  | P  | 05/19/2025       | 12:48            | LB135823      |
|           | Magnesium | 2140           | 2000               | 107           | 65 - 135                  | P  | 05/19/2025       | 12:48            | LB135823      |
|           | Manganese | 21.4           | 20.0               | 107           | 65 - 135                  | P  | 05/19/2025       | 12:48            | LB135823      |
|           | Nickel    | 40.0           | 40.0               | 100           | 65 - 135                  | P  | 05/19/2025       | 12:48            | LB135823      |
|           | Potassium | 1950           | 2000               | 98            | 65 - 135                  | P  | 05/19/2025       | 12:48            | LB135823      |
|           | Selenium  | 23.9           | 20.0               | 119           | 65 - 135                  | P  | 05/19/2025       | 12:48            | LB135823      |
|           | Silver    | 10.3           | 10.0               | 103           | 65 - 135                  | P  | 05/19/2025       | 12:48            | LB135823      |
|           | Sodium    | 1890           | 2000               | 95            | 65 - 135                  | P  | 05/19/2025       | 12:48            | LB135823      |
|           | Thallium  | 42.9           | 40.0               | 107           | 65 - 135                  | P  | 05/19/2025       | 12:48            | LB135823      |
|           | Vanadium  | 43.2           | 40.0               | 108           | 65 - 135                  | P  | 05/19/2025       | 12:48            | LB135823      |
|           | Zinc      | 42.3           | 40.0               | 106           | 65 - 135                  | P  | 05/19/2025       | 12:48            | LB135823      |
| CRA       | Mercury   | 0.19           | 0.2                | 97            | 70 - 130                  | CV | 05/20/2025       | 09:47            | LB135832      |



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

**Metals**

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**INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY**

| <b>Client:</b>   | Tetra Tech NUS, Inc. |                  |                     |                  | <b>SDG No.:</b> | Q2064           |       |                  |                  |               |
|------------------|----------------------|------------------|---------------------|------------------|-----------------|-----------------|-------|------------------|------------------|---------------|
| <b>Contract:</b> | TETR06               | <b>Lab Code:</b> | CHEM                | <b>Case No.:</b> | Q2064           | <b>SAS No.:</b> | Q2064 |                  |                  |               |
| Sample ID        | Analyte              | Result<br>ug/L   | Acceptance<br>Limit | Conc<br>Qual     | LOD             | CRQL            | M     | Analysis<br>Date | Analysis<br>Time | Run<br>Number |
| ICB11            | Mercury              | 0.20             | +/-0.20             | U                | 0.16            | 0.20            | CV    | 05/20/2025       | 09:38            | LB135832      |

**Metals**

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**INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY**

**Client:** Tetra Tech NUS, Inc. **SDG No.:** Q2064  
**Contract:** TETR06 **Lab Code:** CHEM **Case No.:** Q2064 **SAS No.:** Q2064

| Sample ID | Analyte | Result<br>ug/L | Acceptance<br>Limit | Conc<br>Qual | LOD  | CRQL | M  | Analysis<br>Date | Analysis<br>Time | Run<br>Number |
|-----------|---------|----------------|---------------------|--------------|------|------|----|------------------|------------------|---------------|
| CCB40     | Mercury | 0.20           | +/-0.20             | U            | 0.16 | 0.20 | CV | 05/20/2025       | 09:45            | LB135832      |
| CCB41     | Mercury | 0.20           | +/-0.20             | U            | 0.16 | 0.20 | CV | 05/20/2025       | 10:15            | LB135832      |
| CCB42     | Mercury | 0.20           | +/-0.20             | U            | 0.16 | 0.20 | CV | 05/20/2025       | 10:44            | LB135832      |
| CCB43     | Mercury | 0.20           | +/-0.20             | U            | 0.16 | 0.20 | CV | 05/20/2025       | 11:11            | LB135832      |
| CCB44     | Mercury | 0.20           | +/-0.20             | U            | 0.16 | 0.20 | CV | 05/20/2025       | 11:39            | LB135832      |
| CCB45     | Mercury | 0.20           | +/-0.20             | U            | 0.16 | 0.20 | CV | 05/20/2025       | 11:57            | LB135832      |

**Metals**

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**INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY**

**Client:** Tetra Tech NUS, Inc. **SDG No.:** Q2064  
**Contract:** TETR06 **Lab Code:** CHEM **Case No.:** Q2064 **SAS No.:** Q2064

| Sample ID | Analyte   | Result<br>ug/L | Acceptance<br>Limit | Conc<br>Qual | LOD  | CRQL | M | Analysis<br>Date | Analysis<br>Time | Run<br>Number |
|-----------|-----------|----------------|---------------------|--------------|------|------|---|------------------|------------------|---------------|
| ICB01     | Aluminum  | 100            | +/-100              | U            | 80.0 | 100  | P | 05/19/2025       | 12:44            | LB135823      |
|           | Antimony  | 50.0           | +/-50.0             | U            | 12.5 | 50.0 | P | 05/19/2025       | 12:44            | LB135823      |
|           | Arsenic   | 20.0           | +/-20.0             | U            | 15.0 | 20.0 | P | 05/19/2025       | 12:44            | LB135823      |
|           | Barium    | 100            | +/-100              | U            | 25.0 | 100  | P | 05/19/2025       | 12:44            | LB135823      |
|           | Beryllium | 6.00           | +/-6.00             | U            | 1.50 | 6.00 | P | 05/19/2025       | 12:44            | LB135823      |
|           | Cadmium   | 6.00           | +/-6.00             | U            | 1.50 | 6.00 | P | 05/19/2025       | 12:44            | LB135823      |
|           | Calcium   | 2000           | +/-2000             | U            | 500  | 2000 | P | 05/19/2025       | 12:44            | LB135823      |
|           | Chromium  | 10.0           | +/-10.0             | U            | 5.00 | 10.0 | P | 05/19/2025       | 12:44            | LB135823      |
|           | Cobalt    | 30.0           | +/-30.0             | U            | 7.50 | 30.0 | P | 05/19/2025       | 12:44            | LB135823      |
|           | Copper    | 20.0           | +/-20.0             | U            | 16.0 | 20.0 | P | 05/19/2025       | 12:44            | LB135823      |
|           | Iron      | 100            | +/-100              | U            | 80.0 | 100  | P | 05/19/2025       | 12:44            | LB135823      |
|           | Lead      | 12.0           | +/-12.0             | U            | 9.60 | 12.0 | P | 05/19/2025       | 12:44            | LB135823      |
|           | Magnesium | 2000           | +/-2000             | U            | 500  | 2000 | P | 05/19/2025       | 12:44            | LB135823      |
|           | Manganese | 20.0           | +/-20.0             | U            | 15.0 | 20.0 | P | 05/19/2025       | 12:44            | LB135823      |
|           | Nickel    | 40.0           | +/-40.0             | U            | 10.0 | 40.0 | P | 05/19/2025       | 12:44            | LB135823      |
|           | Potassium | 2000           | +/-2000             | U            | 1600 | 2000 | P | 05/19/2025       | 12:44            | LB135823      |
|           | Selenium  | 20.0           | +/-20.0             | U            | 16.0 | 20.0 | P | 05/19/2025       | 12:44            | LB135823      |
|           | Silver    | 10.0           | +/-10.0             | U            | 5.00 | 10.0 | P | 05/19/2025       | 12:44            | LB135823      |
|           | Sodium    | 2000           | +/-2000             | U            | 1000 | 2000 | P | 05/19/2025       | 12:44            | LB135823      |
|           | Thallium  | 40.0           | +/-40.0             | U            | 20.0 | 40.0 | P | 05/19/2025       | 12:44            | LB135823      |
|           | Vanadium  | 40.0           | +/-40.0             | U            | 20.0 | 40.0 | P | 05/19/2025       | 12:44            | LB135823      |
|           | Zinc      | 40.0           | +/-40.0             | U            | 15.0 | 40.0 | P | 05/19/2025       | 12:44            | LB135823      |

# Metals

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## INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Tetra Tech NUS, Inc. SDG No.: Q2064  
Contract: TETR06 Lab Code: CHEM Case No.: Q2064 SAS No.: Q2064

| Sample ID | Analyte   | Result<br>ug/L | Acceptance<br>Limit | Conc<br>Qual | LOD  | CRQL | M | Analysis<br>Date | Analysis<br>Time | Run<br>Number |
|-----------|-----------|----------------|---------------------|--------------|------|------|---|------------------|------------------|---------------|
| CCB01     | Aluminum  | 15.2           | +/-100              | J            | 80.0 | 100  | P | 05/19/2025       | 13:23            | LB135823      |
|           | Antimony  | 50.0           | +/-50.0             | U            | 12.5 | 50.0 | P | 05/19/2025       | 13:23            | LB135823      |
|           | Arsenic   | 20.0           | +/-20.0             | U            | 15.0 | 20.0 | P | 05/19/2025       | 13:23            | LB135823      |
|           | Barium    | 100            | +/-100              | U            | 25.0 | 100  | P | 05/19/2025       | 13:23            | LB135823      |
|           | Beryllium | 6.00           | +/-6.00             | U            | 1.50 | 6.00 | P | 05/19/2025       | 13:23            | LB135823      |
|           | Cadmium   | 6.00           | +/-6.00             | U            | 1.50 | 6.00 | P | 05/19/2025       | 13:23            | LB135823      |
|           | Calcium   | 2000           | +/-2000             | U            | 500  | 2000 | P | 05/19/2025       | 13:23            | LB135823      |
|           | Chromium  | 10.0           | +/-10.0             | U            | 5.00 | 10.0 | P | 05/19/2025       | 13:23            | LB135823      |
|           | Cobalt    | 30.0           | +/-30.0             | U            | 7.50 | 30.0 | P | 05/19/2025       | 13:23            | LB135823      |
|           | Copper    | 20.0           | +/-20.0             | U            | 16.0 | 20.0 | P | 05/19/2025       | 13:23            | LB135823      |
|           | Iron      | 100            | +/-100              | U            | 80.0 | 100  | P | 05/19/2025       | 13:23            | LB135823      |
|           | Lead      | 12.0           | +/-12.0             | U            | 9.60 | 12.0 | P | 05/19/2025       | 13:23            | LB135823      |
|           | Magnesium | 2000           | +/-2000             | U            | 500  | 2000 | P | 05/19/2025       | 13:23            | LB135823      |
|           | Manganese | 20.0           | +/-20.0             | U            | 15.0 | 20.0 | P | 05/19/2025       | 13:23            | LB135823      |
|           | Nickel    | 40.0           | +/-40.0             | U            | 10.0 | 40.0 | P | 05/19/2025       | 13:23            | LB135823      |
|           | Potassium | 2000           | +/-2000             | U            | 1600 | 2000 | P | 05/19/2025       | 13:23            | LB135823      |
|           | Selenium  | 20.0           | +/-20.0             | U            | 16.0 | 20.0 | P | 05/19/2025       | 13:23            | LB135823      |
|           | Silver    | 10.0           | +/-10.0             | U            | 5.00 | 10.0 | P | 05/19/2025       | 13:23            | LB135823      |
|           | Sodium    | 2000           | +/-2000             | U            | 1000 | 2000 | P | 05/19/2025       | 13:23            | LB135823      |
|           | Thallium  | 40.0           | +/-40.0             | U            | 20.0 | 40.0 | P | 05/19/2025       | 13:23            | LB135823      |
|           | Vanadium  | 40.0           | +/-40.0             | U            | 20.0 | 40.0 | P | 05/19/2025       | 13:23            | LB135823      |
|           | Zinc      | 40.0           | +/-40.0             | U            | 15.0 | 40.0 | P | 05/19/2025       | 13:23            | LB135823      |
| CCB02     | Aluminum  | 100            | +/-100              | U            | 80.0 | 100  | P | 05/19/2025       | 14:24            | LB135823      |
|           | Antimony  | 50.0           | +/-50.0             | U            | 12.5 | 50.0 | P | 05/19/2025       | 14:24            | LB135823      |
|           | Arsenic   | 20.0           | +/-20.0             | U            | 15.0 | 20.0 | P | 05/19/2025       | 14:24            | LB135823      |
|           | Barium    | 100            | +/-100              | U            | 25.0 | 100  | P | 05/19/2025       | 14:24            | LB135823      |
|           | Beryllium | 6.00           | +/-6.00             | U            | 1.50 | 6.00 | P | 05/19/2025       | 14:24            | LB135823      |
|           | Cadmium   | 6.00           | +/-6.00             | U            | 1.50 | 6.00 | P | 05/19/2025       | 14:24            | LB135823      |
|           | Calcium   | 2000           | +/-2000             | U            | 500  | 2000 | P | 05/19/2025       | 14:24            | LB135823      |
|           | Chromium  | 10.0           | +/-10.0             | U            | 5.00 | 10.0 | P | 05/19/2025       | 14:24            | LB135823      |
|           | Cobalt    | 30.0           | +/-30.0             | U            | 7.50 | 30.0 | P | 05/19/2025       | 14:24            | LB135823      |
|           | Copper    | 20.0           | +/-20.0             | U            | 16.0 | 20.0 | P | 05/19/2025       | 14:24            | LB135823      |
|           | Iron      | 100            | +/-100              | U            | 80.0 | 100  | P | 05/19/2025       | 14:24            | LB135823      |
|           | Lead      | 12.0           | +/-12.0             | U            | 9.60 | 12.0 | P | 05/19/2025       | 14:24            | LB135823      |
|           | Magnesium | 2000           | +/-2000             | U            | 500  | 2000 | P | 05/19/2025       | 14:24            | LB135823      |
|           | Manganese | 20.0           | +/-20.0             | U            | 15.0 | 20.0 | P | 05/19/2025       | 14:24            | LB135823      |
|           | Nickel    | 40.0           | +/-40.0             | U            | 10.0 | 40.0 | P | 05/19/2025       | 14:24            | LB135823      |
|           | Potassium | 2000           | +/-2000             | U            | 1600 | 2000 | P | 05/19/2025       | 14:24            | LB135823      |
|           | Selenium  | 20.0           | +/-20.0             | U            | 16.0 | 20.0 | P | 05/19/2025       | 14:24            | LB135823      |

# Metals

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## INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

| Client: Tetra Tech NUS, Inc. |                | SDG No.: Q2064  |                  |           |      |      |   |               |               |            |
|------------------------------|----------------|-----------------|------------------|-----------|------|------|---|---------------|---------------|------------|
| Contract: TETR06             | Lab Code: CHEM | Case No.: Q2064 | SAS No.: Q2064   |           |      |      |   |               |               |            |
| Sample ID                    | Analyte        | Result ug/L     | Acceptance Limit | Conc Qual | LOD  | CRQL | M | Analysis Date | Analysis Time | Run Number |
| CCB02                        | Silver         | 10.0            | +/-10.0          | U         | 5.00 | 10.0 | P | 05/19/2025    | 14:24         | LB135823   |
|                              | Sodium         | 2000            | +/-2000          | U         | 1000 | 2000 | P | 05/19/2025    | 14:24         | LB135823   |
|                              | Thallium       | 40.0            | +/-40.0          | U         | 20.0 | 40.0 | P | 05/19/2025    | 14:24         | LB135823   |
|                              | Vanadium       | 40.0            | +/-40.0          | U         | 20.0 | 40.0 | P | 05/19/2025    | 14:24         | LB135823   |
|                              | Zinc           | 40.0            | +/-40.0          | U         | 15.0 | 40.0 | P | 05/19/2025    | 14:24         | LB135823   |
| CCB03                        | Aluminum       | 100             | +/-100           | U         | 80.0 | 100  | P | 05/19/2025    | 15:19         | LB135823   |
|                              | Antimony       | 50.0            | +/-50.0          | U         | 12.5 | 50.0 | P | 05/19/2025    | 15:19         | LB135823   |
|                              | Arsenic        | 20.0            | +/-20.0          | U         | 15.0 | 20.0 | P | 05/19/2025    | 15:19         | LB135823   |
|                              | Barium         | 100             | +/-100           | U         | 25.0 | 100  | P | 05/19/2025    | 15:19         | LB135823   |
|                              | Beryllium      | 6.00            | +/-6.00          | U         | 1.50 | 6.00 | P | 05/19/2025    | 15:19         | LB135823   |
|                              | Cadmium        | 6.00            | +/-6.00          | U         | 1.50 | 6.00 | P | 05/19/2025    | 15:19         | LB135823   |
|                              | Calcium        | 2000            | +/-2000          | U         | 500  | 2000 | P | 05/19/2025    | 15:19         | LB135823   |
|                              | Chromium       | 10.0            | +/-10.0          | U         | 5.00 | 10.0 | P | 05/19/2025    | 15:19         | LB135823   |
|                              | Cobalt         | 30.0            | +/-30.0          | U         | 7.50 | 30.0 | P | 05/19/2025    | 15:19         | LB135823   |
|                              | Copper         | 20.0            | +/-20.0          | U         | 16.0 | 20.0 | P | 05/19/2025    | 15:19         | LB135823   |
|                              | Iron           | 100             | +/-100           | U         | 80.0 | 100  | P | 05/19/2025    | 15:19         | LB135823   |
|                              | Lead           | 12.0            | +/-12.0          | U         | 9.60 | 12.0 | P | 05/19/2025    | 15:19         | LB135823   |
|                              | Magnesium      | 2000            | +/-2000          | U         | 500  | 2000 | P | 05/19/2025    | 15:19         | LB135823   |
|                              | Manganese      | 20.0            | +/-20.0          | U         | 15.0 | 20.0 | P | 05/19/2025    | 15:19         | LB135823   |
|                              | Nickel         | 40.0            | +/-40.0          | U         | 10.0 | 40.0 | P | 05/19/2025    | 15:19         | LB135823   |
|                              | Potassium      | 2000            | +/-2000          | U         | 1600 | 2000 | P | 05/19/2025    | 15:19         | LB135823   |
|                              | Selenium       | 20.0            | +/-20.0          | U         | 16.0 | 20.0 | P | 05/19/2025    | 15:19         | LB135823   |
|                              | Silver         | 10.0            | +/-10.0          | U         | 5.00 | 10.0 | P | 05/19/2025    | 15:19         | LB135823   |
|                              | Sodium         | 2000            | +/-2000          | U         | 1000 | 2000 | P | 05/19/2025    | 15:19         | LB135823   |
|                              | Thallium       | 40.0            | +/-40.0          | U         | 20.0 | 40.0 | P | 05/19/2025    | 15:19         | LB135823   |
|                              | Vanadium       | 40.0            | +/-40.0          | U         | 20.0 | 40.0 | P | 05/19/2025    | 15:19         | LB135823   |
|                              | Zinc           | 40.0            | +/-40.0          | U         | 15.0 | 40.0 | P | 05/19/2025    | 15:19         | LB135823   |
| CCB04                        | Aluminum       | 100             | +/-100           | U         | 80.0 | 100  | P | 05/19/2025    | 16:07         | LB135823   |
|                              | Antimony       | 50.0            | +/-50.0          | U         | 12.5 | 50.0 | P | 05/19/2025    | 16:07         | LB135823   |
|                              | Arsenic        | 20.0            | +/-20.0          | U         | 15.0 | 20.0 | P | 05/19/2025    | 16:07         | LB135823   |
|                              | Barium         | 100             | +/-100           | U         | 25.0 | 100  | P | 05/19/2025    | 16:07         | LB135823   |
|                              | Beryllium      | 6.00            | +/-6.00          | U         | 1.50 | 6.00 | P | 05/19/2025    | 16:07         | LB135823   |
|                              | Cadmium        | 6.00            | +/-6.00          | U         | 1.50 | 6.00 | P | 05/19/2025    | 16:07         | LB135823   |
|                              | Calcium        | 2000            | +/-2000          | U         | 500  | 2000 | P | 05/19/2025    | 16:07         | LB135823   |
|                              | Chromium       | 10.0            | +/-10.0          | U         | 5.00 | 10.0 | P | 05/19/2025    | 16:07         | LB135823   |
|                              | Cobalt         | 30.0            | +/-30.0          | U         | 7.50 | 30.0 | P | 05/19/2025    | 16:07         | LB135823   |
|                              | Copper         | 20.0            | +/-20.0          | U         | 16.0 | 20.0 | P | 05/19/2025    | 16:07         | LB135823   |
|                              | Iron           | 100             | +/-100           | U         | 80.0 | 100  | P | 05/19/2025    | 16:07         | LB135823   |
|                              | Lead           | 12.0            | +/-12.0          | U         | 9.60 | 12.0 | P | 05/19/2025    | 16:07         | LB135823   |



**Metals**

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**INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY**

| <b>Client:</b> Tetra Tech NUS, Inc. |                       | <b>SDG No.:</b> Q2064  |                       |              |      |      |   |                  |                  |               |
|-------------------------------------|-----------------------|------------------------|-----------------------|--------------|------|------|---|------------------|------------------|---------------|
| <b>Contract:</b> TETR06             | <b>Lab Code:</b> CHEM | <b>Case No.:</b> Q2064 | <b>SAS No.:</b> Q2064 |              |      |      |   |                  |                  |               |
| Sample ID                           | Analyte               | Result<br>ug/L         | Acceptance<br>Limit   | Conc<br>Qual | LOD  | CRQL | M | Analysis<br>Date | Analysis<br>Time | Run<br>Number |
| CCB04                               | Magnesium             | 2000                   | +/-2000               | U            | 500  | 2000 | P | 05/19/2025       | 16:07            | LB135823      |
|                                     | Manganese             | 20.0                   | +/-20.0               | U            | 15.0 | 20.0 | P | 05/19/2025       | 16:07            | LB135823      |
|                                     | Nickel                | 40.0                   | +/-40.0               | U            | 10.0 | 40.0 | P | 05/19/2025       | 16:07            | LB135823      |
|                                     | Potassium             | 2000                   | +/-2000               | U            | 1600 | 2000 | P | 05/19/2025       | 16:07            | LB135823      |
|                                     | Selenium              | 20.0                   | +/-20.0               | U            | 16.0 | 20.0 | P | 05/19/2025       | 16:07            | LB135823      |
|                                     | Silver                | 10.0                   | +/-10.0               | U            | 5.00 | 10.0 | P | 05/19/2025       | 16:07            | LB135823      |
|                                     | Sodium                | 2000                   | +/-2000               | U            | 1000 | 2000 | P | 05/19/2025       | 16:07            | LB135823      |
|                                     | Thallium              | 40.0                   | +/-40.0               | U            | 20.0 | 40.0 | P | 05/19/2025       | 16:07            | LB135823      |
|                                     | Vanadium              | 40.0                   | +/-40.0               | U            | 20.0 | 40.0 | P | 05/19/2025       | 16:07            | LB135823      |
|                                     | Zinc                  | 40.0                   | +/-40.0               | U            | 15.0 | 40.0 | P | 05/19/2025       | 16:07            | LB135823      |
| CCB05                               | Aluminum              | 100                    | +/-100                | U            | 80.0 | 100  | P | 05/19/2025       | 16:51            | LB135823      |
|                                     | Antimony              | 50.0                   | +/-50.0               | U            | 12.5 | 50.0 | P | 05/19/2025       | 16:51            | LB135823      |
|                                     | Arsenic               | 20.0                   | +/-20.0               | U            | 15.0 | 20.0 | P | 05/19/2025       | 16:51            | LB135823      |
|                                     | Barium                | 100                    | +/-100                | U            | 25.0 | 100  | P | 05/19/2025       | 16:51            | LB135823      |
|                                     | Beryllium             | 6.00                   | +/-6.00               | U            | 1.50 | 6.00 | P | 05/19/2025       | 16:51            | LB135823      |
|                                     | Cadmium               | 6.00                   | +/-6.00               | U            | 1.50 | 6.00 | P | 05/19/2025       | 16:51            | LB135823      |
|                                     | Calcium               | 2000                   | +/-2000               | U            | 500  | 2000 | P | 05/19/2025       | 16:51            | LB135823      |
|                                     | Chromium              | 10.0                   | +/-10.0               | U            | 5.00 | 10.0 | P | 05/19/2025       | 16:51            | LB135823      |
|                                     | Cobalt                | 30.0                   | +/-30.0               | U            | 7.50 | 30.0 | P | 05/19/2025       | 16:51            | LB135823      |
|                                     | Copper                | 20.0                   | +/-20.0               | U            | 16.0 | 20.0 | P | 05/19/2025       | 16:51            | LB135823      |
|                                     | Iron                  | 100                    | +/-100                | U            | 80.0 | 100  | P | 05/19/2025       | 16:51            | LB135823      |
|                                     | Lead                  | 12.0                   | +/-12.0               | U            | 9.60 | 12.0 | P | 05/19/2025       | 16:51            | LB135823      |
|                                     | Magnesium             | 2000                   | +/-2000               | U            | 500  | 2000 | P | 05/19/2025       | 16:51            | LB135823      |
|                                     | Manganese             | 20.0                   | +/-20.0               | U            | 15.0 | 20.0 | P | 05/19/2025       | 16:51            | LB135823      |
|                                     | Nickel                | 40.0                   | +/-40.0               | U            | 10.0 | 40.0 | P | 05/19/2025       | 16:51            | LB135823      |
|                                     | Potassium             | 2000                   | +/-2000               | U            | 1600 | 2000 | P | 05/19/2025       | 16:51            | LB135823      |
|                                     | Selenium              | 20.0                   | +/-20.0               | U            | 16.0 | 20.0 | P | 05/19/2025       | 16:51            | LB135823      |
|                                     | Silver                | 10.0                   | +/-10.0               | U            | 5.00 | 10.0 | P | 05/19/2025       | 16:51            | LB135823      |
|                                     | Sodium                | 2000                   | +/-2000               | U            | 1000 | 2000 | P | 05/19/2025       | 16:51            | LB135823      |
|                                     | Thallium              | 40.0                   | +/-40.0               | U            | 20.0 | 40.0 | P | 05/19/2025       | 16:51            | LB135823      |
| CCB06                               | Vanadium              | 40.0                   | +/-40.0               | U            | 20.0 | 40.0 | P | 05/19/2025       | 16:51            | LB135823      |
|                                     | Zinc                  | 40.0                   | +/-40.0               | U            | 15.0 | 40.0 | P | 05/19/2025       | 16:51            | LB135823      |
|                                     | Aluminum              | 100                    | +/-100                | U            | 80.0 | 100  | P | 05/19/2025       | 17:39            | LB135823      |
|                                     | Antimony              | 50.0                   | +/-50.0               | U            | 12.5 | 50.0 | P | 05/19/2025       | 17:39            | LB135823      |
|                                     | Arsenic               | 20.0                   | +/-20.0               | U            | 15.0 | 20.0 | P | 05/19/2025       | 17:39            | LB135823      |
|                                     | Barium                | 100                    | +/-100                | U            | 25.0 | 100  | P | 05/19/2025       | 17:39            | LB135823      |
|                                     | Beryllium             | 6.00                   | +/-6.00               | U            | 1.50 | 6.00 | P | 05/19/2025       | 17:39            | LB135823      |
|                                     | Cadmium               | 6.00                   | +/-6.00               | U            | 1.50 | 6.00 | P | 05/19/2025       | 17:39            | LB135823      |
|                                     | Calcium               | 2000                   | +/-2000               | U            | 500  | 2000 | P | 05/19/2025       | 17:39            | LB135823      |

## Metals

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## INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Tetra Tech NUS, Inc.

SDG No.: Q2064

Contract: TETR06

Lab Code: CHEM

Case No.: Q2064

SAS No.: Q2064

| Sample ID | Analyte   | Result<br>ug/L | Acceptance<br>Limit | Conc<br>Qual | LOD  | CRQL | M | Analysis<br>Date | Analysis<br>Time | Run<br>Number |
|-----------|-----------|----------------|---------------------|--------------|------|------|---|------------------|------------------|---------------|
| CCB06     | Chromium  | 10.0           | +/-10.0             | U            | 5.00 | 10.0 | P | 05/19/2025       | 17:39            | LB135823      |
|           | Cobalt    | 30.0           | +/-30.0             | U            | 7.50 | 30.0 | P | 05/19/2025       | 17:39            | LB135823      |
|           | Copper    | 20.0           | +/-20.0             | U            | 16.0 | 20.0 | P | 05/19/2025       | 17:39            | LB135823      |
|           | Iron      | 100            | +/-100              | U            | 80.0 | 100  | P | 05/19/2025       | 17:39            | LB135823      |
|           | Lead      | 12.0           | +/-12.0             | U            | 9.60 | 12.0 | P | 05/19/2025       | 17:39            | LB135823      |
|           | Magnesium | 2000           | +/-2000             | U            | 500  | 2000 | P | 05/19/2025       | 17:39            | LB135823      |
|           | Manganese | 20.0           | +/-20.0             | U            | 15.0 | 20.0 | P | 05/19/2025       | 17:39            | LB135823      |
|           | Nickel    | 40.0           | +/-40.0             | U            | 10.0 | 40.0 | P | 05/19/2025       | 17:39            | LB135823      |
|           | Potassium | 2000           | +/-2000             | U            | 1600 | 2000 | P | 05/19/2025       | 17:39            | LB135823      |
|           | Selenium  | 20.0           | +/-20.0             | U            | 16.0 | 20.0 | P | 05/19/2025       | 17:39            | LB135823      |
|           | Silver    | 10.0           | +/-10.0             | U            | 5.00 | 10.0 | P | 05/19/2025       | 17:39            | LB135823      |
|           | Sodium    | 2000           | +/-2000             | U            | 1000 | 2000 | P | 05/19/2025       | 17:39            | LB135823      |
|           | Thallium  | 40.0           | +/-40.0             | U            | 20.0 | 40.0 | P | 05/19/2025       | 17:39            | LB135823      |
|           | Vanadium  | 40.0           | +/-40.0             | U            | 20.0 | 40.0 | P | 05/19/2025       | 17:39            | LB135823      |
|           | Zinc      | 40.0           | +/-40.0             | U            | 15.0 | 40.0 | P | 05/19/2025       | 17:39            | LB135823      |
| CCB07     | Aluminum  | 100            | +/-100              | U            | 80.0 | 100  | P | 05/19/2025       | 18:25            | LB135823      |
|           | Antimony  | 50.0           | +/-50.0             | U            | 12.5 | 50.0 | P | 05/19/2025       | 18:25            | LB135823      |
|           | Arsenic   | 20.0           | +/-20.0             | U            | 15.0 | 20.0 | P | 05/19/2025       | 18:25            | LB135823      |
|           | Barium    | 100            | +/-100              | U            | 25.0 | 100  | P | 05/19/2025       | 18:25            | LB135823      |
|           | Beryllium | 6.00           | +/-6.00             | U            | 1.50 | 6.00 | P | 05/19/2025       | 18:25            | LB135823      |
|           | Cadmium   | 6.00           | +/-6.00             | U            | 1.50 | 6.00 | P | 05/19/2025       | 18:25            | LB135823      |
|           | Calcium   | 2000           | +/-2000             | U            | 500  | 2000 | P | 05/19/2025       | 18:25            | LB135823      |
|           | Chromium  | 10.0           | +/-10.0             | U            | 5.00 | 10.0 | P | 05/19/2025       | 18:25            | LB135823      |
|           | Cobalt    | 30.0           | +/-30.0             | U            | 7.50 | 30.0 | P | 05/19/2025       | 18:25            | LB135823      |
|           | Copper    | 20.0           | +/-20.0             | U            | 16.0 | 20.0 | P | 05/19/2025       | 18:25            | LB135823      |
|           | Iron      | 100            | +/-100              | U            | 80.0 | 100  | P | 05/19/2025       | 18:25            | LB135823      |
|           | Lead      | 12.0           | +/-12.0             | U            | 9.60 | 12.0 | P | 05/19/2025       | 18:25            | LB135823      |
|           | Magnesium | 2000           | +/-2000             | U            | 500  | 2000 | P | 05/19/2025       | 18:25            | LB135823      |
|           | Manganese | 20.0           | +/-20.0             | U            | 15.0 | 20.0 | P | 05/19/2025       | 18:25            | LB135823      |
|           | Nickel    | 40.0           | +/-40.0             | U            | 10.0 | 40.0 | P | 05/19/2025       | 18:25            | LB135823      |
|           | Potassium | 2000           | +/-2000             | U            | 1600 | 2000 | P | 05/19/2025       | 18:25            | LB135823      |
|           | Selenium  | 20.0           | +/-20.0             | U            | 16.0 | 20.0 | P | 05/19/2025       | 18:25            | LB135823      |
|           | Silver    | 10.0           | +/-10.0             | U            | 5.00 | 10.0 | P | 05/19/2025       | 18:25            | LB135823      |
|           | Sodium    | 2000           | +/-2000             | U            | 1000 | 2000 | P | 05/19/2025       | 18:25            | LB135823      |
|           | Thallium  | 40.0           | +/-40.0             | U            | 20.0 | 40.0 | P | 05/19/2025       | 18:25            | LB135823      |
|           | Vanadium  | 40.0           | +/-40.0             | U            | 20.0 | 40.0 | P | 05/19/2025       | 18:25            | LB135823      |
|           | Zinc      | 40.0           | +/-40.0             | U            | 15.0 | 40.0 | P | 05/19/2025       | 18:25            | LB135823      |
| CCB08     | Aluminum  | 100            | +/-100              | U            | 80.0 | 100  | P | 05/19/2025       | 19:14            | LB135823      |
|           | Antimony  | 50.0           | +/-50.0             | U            | 12.5 | 50.0 | P | 05/19/2025       | 19:14            | LB135823      |

**Metals**

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**INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY**

| <b>Client:</b> Tetra Tech NUS, Inc. |                       | <b>SDG No.:</b> Q2064  |                       |              |      |      |   |                  |                  |               |
|-------------------------------------|-----------------------|------------------------|-----------------------|--------------|------|------|---|------------------|------------------|---------------|
| <b>Contract:</b> TETR06             | <b>Lab Code:</b> CHEM | <b>Case No.:</b> Q2064 | <b>SAS No.:</b> Q2064 |              |      |      |   |                  |                  |               |
| Sample ID                           | Analyte               | Result<br>ug/L         | Acceptance<br>Limit   | Conc<br>Qual | LOD  | CRQL | M | Analysis<br>Date | Analysis<br>Time | Run<br>Number |
| CCB08                               | Arsenic               | 20.0                   | +/-20.0               | U            | 15.0 | 20.0 | P | 05/19/2025       | 19:14            | LB135823      |
|                                     | Barium                | 100                    | +/-100                | U            | 25.0 | 100  | P | 05/19/2025       | 19:14            | LB135823      |
|                                     | Beryllium             | 6.00                   | +/-6.00               | U            | 1.50 | 6.00 | P | 05/19/2025       | 19:14            | LB135823      |
|                                     | Cadmium               | 6.00                   | +/-6.00               | U            | 1.50 | 6.00 | P | 05/19/2025       | 19:14            | LB135823      |
|                                     | Calcium               | 2000                   | +/-2000               | U            | 500  | 2000 | P | 05/19/2025       | 19:14            | LB135823      |
|                                     | Chromium              | 10.0                   | +/-10.0               | U            | 5.00 | 10.0 | P | 05/19/2025       | 19:14            | LB135823      |
|                                     | Cobalt                | 30.0                   | +/-30.0               | U            | 7.50 | 30.0 | P | 05/19/2025       | 19:14            | LB135823      |
|                                     | Copper                | 20.0                   | +/-20.0               | U            | 16.0 | 20.0 | P | 05/19/2025       | 19:14            | LB135823      |
|                                     | Iron                  | 100                    | +/-100                | U            | 80.0 | 100  | P | 05/19/2025       | 19:14            | LB135823      |
|                                     | Lead                  | 12.0                   | +/-12.0               | U            | 9.60 | 12.0 | P | 05/19/2025       | 19:14            | LB135823      |
|                                     | Magnesium             | 2000                   | +/-2000               | U            | 500  | 2000 | P | 05/19/2025       | 19:14            | LB135823      |
|                                     | Manganese             | 20.0                   | +/-20.0               | U            | 15.0 | 20.0 | P | 05/19/2025       | 19:14            | LB135823      |
|                                     | Nickel                | 40.0                   | +/-40.0               | U            | 10.0 | 40.0 | P | 05/19/2025       | 19:14            | LB135823      |
|                                     | Potassium             | 2000                   | +/-2000               | U            | 1600 | 2000 | P | 05/19/2025       | 19:14            | LB135823      |
|                                     | Selenium              | 20.0                   | +/-20.0               | U            | 16.0 | 20.0 | P | 05/19/2025       | 19:14            | LB135823      |
|                                     | Silver                | 10.0                   | +/-10.0               | U            | 5.00 | 10.0 | P | 05/19/2025       | 19:14            | LB135823      |
|                                     | Sodium                | 2000                   | +/-2000               | U            | 1000 | 2000 | P | 05/19/2025       | 19:14            | LB135823      |
|                                     | Thallium              | 40.0                   | +/-40.0               | U            | 20.0 | 40.0 | P | 05/19/2025       | 19:14            | LB135823      |
|                                     | Vanadium              | 40.0                   | +/-40.0               | U            | 20.0 | 40.0 | P | 05/19/2025       | 19:14            | LB135823      |
|                                     | Zinc                  | 40.0                   | +/-40.0               | U            | 15.0 | 40.0 | P | 05/19/2025       | 19:14            | LB135823      |
| CCB09                               | Aluminum              | 100                    | +/-100                | U            | 80.0 | 100  | P | 05/19/2025       | 19:59            | LB135823      |
|                                     | Antimony              | 50.0                   | +/-50.0               | U            | 12.5 | 50.0 | P | 05/19/2025       | 19:59            | LB135823      |
|                                     | Arsenic               | 20.0                   | +/-20.0               | U            | 15.0 | 20.0 | P | 05/19/2025       | 19:59            | LB135823      |
|                                     | Barium                | 100                    | +/-100                | U            | 25.0 | 100  | P | 05/19/2025       | 19:59            | LB135823      |
|                                     | Beryllium             | 6.00                   | +/-6.00               | U            | 1.50 | 6.00 | P | 05/19/2025       | 19:59            | LB135823      |
|                                     | Cadmium               | 6.00                   | +/-6.00               | U            | 1.50 | 6.00 | P | 05/19/2025       | 19:59            | LB135823      |
|                                     | Calcium               | 2000                   | +/-2000               | U            | 500  | 2000 | P | 05/19/2025       | 19:59            | LB135823      |
|                                     | Chromium              | 10.0                   | +/-10.0               | U            | 5.00 | 10.0 | P | 05/19/2025       | 19:59            | LB135823      |
|                                     | Cobalt                | 30.0                   | +/-30.0               | U            | 7.50 | 30.0 | P | 05/19/2025       | 19:59            | LB135823      |
|                                     | Copper                | 20.0                   | +/-20.0               | U            | 16.0 | 20.0 | P | 05/19/2025       | 19:59            | LB135823      |
|                                     | Iron                  | 100                    | +/-100                | U            | 80.0 | 100  | P | 05/19/2025       | 19:59            | LB135823      |
|                                     | Lead                  | 12.0                   | +/-12.0               | U            | 9.60 | 12.0 | P | 05/19/2025       | 19:59            | LB135823      |
|                                     | Magnesium             | 2000                   | +/-2000               | U            | 500  | 2000 | P | 05/19/2025       | 19:59            | LB135823      |
|                                     | Manganese             | 20.0                   | +/-20.0               | U            | 15.0 | 20.0 | P | 05/19/2025       | 19:59            | LB135823      |
|                                     | Nickel                | 40.0                   | +/-40.0               | U            | 10.0 | 40.0 | P | 05/19/2025       | 19:59            | LB135823      |
|                                     | Potassium             | 2000                   | +/-2000               | U            | 1600 | 2000 | P | 05/19/2025       | 19:59            | LB135823      |
|                                     | Selenium              | 20.0                   | +/-20.0               | U            | 16.0 | 20.0 | P | 05/19/2025       | 19:59            | LB135823      |
|                                     | Silver                | 10.0                   | +/-10.0               | U            | 5.00 | 10.0 | P | 05/19/2025       | 19:59            | LB135823      |
|                                     | Sodium                | 2000                   | +/-2000               | U            | 1000 | 2000 | P | 05/19/2025       | 19:59            | LB135823      |

# Metals

- 3a -

## INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Tetra Tech NUS, Inc. SDG No.: Q2064  
Contract: TETR06 Lab Code: CHEM Case No.: Q2064 SAS No.: Q2064

| Sample ID | Analyte   | Result<br>ug/L | Acceptance<br>Limit | Conc<br>Qual | LOD  | CRQL | M | Analysis<br>Date | Analysis<br>Time | Run<br>Number |
|-----------|-----------|----------------|---------------------|--------------|------|------|---|------------------|------------------|---------------|
| CCB09     | Thallium  | 40.0           | +/-40.0             | U            | 20.0 | 40.0 | P | 05/19/2025       | 19:59            | LB135823      |
|           | Vanadium  | 40.0           | +/-40.0             | U            | 20.0 | 40.0 | P | 05/19/2025       | 19:59            | LB135823      |
|           | Zinc      | 40.0           | +/-40.0             | U            | 15.0 | 40.0 | P | 05/19/2025       | 19:59            | LB135823      |
| CCB10     | Aluminum  | 100            | +/-100              | U            | 80.0 | 100  | P | 05/19/2025       | 20:15            | LB135823      |
|           | Antimony  | 50.0           | +/-50.0             | U            | 12.5 | 50.0 | P | 05/19/2025       | 20:15            | LB135823      |
|           | Arsenic   | 20.0           | +/-20.0             | U            | 15.0 | 20.0 | P | 05/19/2025       | 20:15            | LB135823      |
|           | Barium    | 100            | +/-100              | U            | 25.0 | 100  | P | 05/19/2025       | 20:15            | LB135823      |
|           | Beryllium | 6.00           | +/-6.00             | U            | 1.50 | 6.00 | P | 05/19/2025       | 20:15            | LB135823      |
|           | Cadmium   | 6.00           | +/-6.00             | U            | 1.50 | 6.00 | P | 05/19/2025       | 20:15            | LB135823      |
|           | Calcium   | 2000           | +/-2000             | U            | 500  | 2000 | P | 05/19/2025       | 20:15            | LB135823      |
|           | Chromium  | 10.0           | +/-10.0             | U            | 5.00 | 10.0 | P | 05/19/2025       | 20:15            | LB135823      |
|           | Cobalt    | 30.0           | +/-30.0             | U            | 7.50 | 30.0 | P | 05/19/2025       | 20:15            | LB135823      |
|           | Copper    | 20.0           | +/-20.0             | U            | 16.0 | 20.0 | P | 05/19/2025       | 20:15            | LB135823      |
|           | Iron      | 100            | +/-100              | U            | 80.0 | 100  | P | 05/19/2025       | 20:15            | LB135823      |
|           | Lead      | 12.0           | +/-12.0             | U            | 9.60 | 12.0 | P | 05/19/2025       | 20:15            | LB135823      |
|           | Magnesium | 2000           | +/-2000             | U            | 500  | 2000 | P | 05/19/2025       | 20:15            | LB135823      |
|           | Manganese | 20.0           | +/-20.0             | U            | 15.0 | 20.0 | P | 05/19/2025       | 20:15            | LB135823      |
|           | Nickel    | 40.0           | +/-40.0             | U            | 10.0 | 40.0 | P | 05/19/2025       | 20:15            | LB135823      |
|           | Potassium | 2000           | +/-2000             | U            | 1600 | 2000 | P | 05/19/2025       | 20:15            | LB135823      |
|           | Selenium  | 20.0           | +/-20.0             | U            | 16.0 | 20.0 | P | 05/19/2025       | 20:15            | LB135823      |
|           | Silver    | 10.0           | +/-10.0             | U            | 5.00 | 10.0 | P | 05/19/2025       | 20:15            | LB135823      |
|           | Sodium    | 2000           | +/-2000             | U            | 1000 | 2000 | P | 05/19/2025       | 20:15            | LB135823      |
|           | Thallium  | 40.0           | +/-40.0             | U            | 20.0 | 40.0 | P | 05/19/2025       | 20:15            | LB135823      |
|           | Vanadium  | 40.0           | +/-40.0             | U            | 20.0 | 40.0 | P | 05/19/2025       | 20:15            | LB135823      |
|           | Zinc      | 40.0           | +/-40.0             | U            | 15.0 | 40.0 | P | 05/19/2025       | 20:15            | LB135823      |

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

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

**SDG No.:** Q2064

**Instrument:** CV1

| Sample ID         | Analyte | Result<br>(ug/L) | Acceptance<br>Limit | Conc<br>Qual         | LOD<br>ug/L | CRQL<br>ug/L    | M  | Analysis<br>Date  | Analysis<br>Time  | Run      |
|-------------------|---------|------------------|---------------------|----------------------|-------------|-----------------|----|-------------------|-------------------|----------|
| <b>PB168071BL</b> |         | <b>WATER</b>     |                     | <b>Batch Number:</b> |             | <b>PB168071</b> |    | <b>Prep Date:</b> | <b>05/16/2025</b> |          |
|                   | Mercury | 0.20             | <0.20               | U                    | 0.16        | 0.20            | CV | 05/20/2025        | 11:02             | LB135832 |

A

B

C

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H

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

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

**SDG No.:** Q2064

**Instrument:** P4

| Sample ID         | Analyte      | Result<br>(ug/L) | Acceptance<br>Limit | Conc<br>Qual         | LOD<br>ug/L | CRQL<br>ug/L    | M | Analysis<br>Date  | Analysis<br>Time  | Run      |
|-------------------|--------------|------------------|---------------------|----------------------|-------------|-----------------|---|-------------------|-------------------|----------|
| <b>PB168036BL</b> | <b>WATER</b> |                  |                     | <b>Batch Number:</b> |             | <b>PB168036</b> |   | <b>Prep Date:</b> | <b>05/16/2025</b> |          |
|                   | Aluminum     | 50.0             | <50.0               | U                    | 40.0        | 50.0            | P | 05/19/2025        | 15:09             | LB135823 |
|                   | Antimony     | 25.0             | <25.0               | U                    | 6.25        | 25.0            | P | 05/19/2025        | 15:09             | LB135823 |
|                   | Arsenic      | 10.0             | <10.0               | U                    | 7.50        | 10.0            | P | 05/19/2025        | 15:09             | LB135823 |
|                   | Barium       | 50.0             | <50.0               | U                    | 12.5        | 50.0            | P | 05/19/2025        | 15:09             | LB135823 |
|                   | Beryllium    | 3.00             | <3.00               | U                    | 0.75        | 3.00            | P | 05/19/2025        | 15:09             | LB135823 |
|                   | Cadmium      | 3.00             | <3.00               | U                    | 0.75        | 3.00            | P | 05/19/2025        | 15:09             | LB135823 |
|                   | Calcium      | 1000             | <1000               | U                    | 250         | 1000            | P | 05/19/2025        | 15:09             | LB135823 |
|                   | Chromium     | 5.00             | <5.00               | U                    | 2.50        | 5.00            | P | 05/19/2025        | 15:09             | LB135823 |
|                   | Cobalt       | 15.0             | <15.0               | U                    | 3.75        | 15.0            | P | 05/19/2025        | 15:09             | LB135823 |
|                   | Copper       | 10.0             | <10.0               | U                    | 8.00        | 10.0            | P | 05/19/2025        | 15:09             | LB135823 |
|                   | Iron         | 50.0             | <50.0               | U                    | 40.0        | 50.0            | P | 05/19/2025        | 15:09             | LB135823 |
|                   | Lead         | 6.00             | <6.00               | U                    | 4.80        | 6.00            | P | 05/19/2025        | 15:09             | LB135823 |
|                   | Magnesium    | 1000             | <1000               | U                    | 250         | 1000            | P | 05/19/2025        | 15:09             | LB135823 |
|                   | Manganese    | 10.0             | <10.0               | U                    | 7.50        | 10.0            | P | 05/19/2025        | 15:09             | LB135823 |
|                   | Nickel       | 20.0             | <20.0               | U                    | 5.00        | 20.0            | P | 05/19/2025        | 15:09             | LB135823 |
|                   | Potassium    | 1000             | <1000               | U                    | 800         | 1000            | P | 05/19/2025        | 15:09             | LB135823 |
|                   | Selenium     | 10.0             | <10.0               | U                    | 8.00        | 10.0            | P | 05/19/2025        | 15:09             | LB135823 |
|                   | Silver       | 5.00             | <5.00               | U                    | 2.50        | 5.00            | P | 05/19/2025        | 15:09             | LB135823 |
|                   | Sodium       | 1000             | <1000               | U                    | 500         | 1000            | P | 05/19/2025        | 15:09             | LB135823 |
|                   | Thallium     | 20.0             | <20.0               | U                    | 10.0        | 20.0            | P | 05/19/2025        | 15:09             | LB135823 |
|                   | Vanadium     | 20.0             | <20.0               | U                    | 10.0        | 20.0            | P | 05/19/2025        | 15:09             | LB135823 |
|                   | Zinc         | 20.0             | <20.0               | U                    | 7.50        | 20.0            | P | 05/19/2025        | 15:09             | LB135823 |

**Metals**  
**- 4 -**  
**INTERFERENCE CHECK SAMPLE**

**Client:** Tetra Tech NUS, Inc. **SDG No.:** Q2064  
**Contract:** TETR06 **Lab Code:** CHEM **Case No.:** Q2064 **SAS No.:** Q2064  
**ICS Source:** EPA **Instrument ID:** P4

| Sample ID      | Analyte   | Result<br>ug/L | True Value<br>ug/L | %<br>Recovery | Low<br>Limit<br>(ug/L) | High<br>Limit<br>(ug/L) | Analysis<br>Date | Analysis<br>Time | Run<br>Number |
|----------------|-----------|----------------|--------------------|---------------|------------------------|-------------------------|------------------|------------------|---------------|
| <b>ICSA01</b>  | Aluminum  | 245000         | 255000             | 96            | 216000                 | 294000                  | 05/19/2025       | 12:52            | LB135823      |
|                | Antimony  | -0.96          |                    |               | -50                    | 50                      | 05/19/2025       | 12:52            | LB135823      |
|                | Arsenic   | 5.21           |                    |               | -20                    | 20                      | 05/19/2025       | 12:52            | LB135823      |
|                | Barium    | 4.26           | 6.0                | 71            | -94                    | 106                     | 05/19/2025       | 12:52            | LB135823      |
|                | Beryllium | 0.58           |                    |               | -6                     | 6                       | 05/19/2025       | 12:52            | LB135823      |
|                | Cadmium   | -4.22          | 1.0                | 422           | -5                     | 7                       | 05/19/2025       | 12:52            | LB135823      |
|                | Calcium   | 232000         | 245000             | 95            | 208000                 | 282000                  | 05/19/2025       | 12:52            | LB135823      |
|                | Chromium  | 55.5           | 52.0               | 107           | 42                     | 62                      | 05/19/2025       | 12:52            | LB135823      |
|                | Cobalt    | 1.33           |                    |               | -30                    | 30                      | 05/19/2025       | 12:52            | LB135823      |
|                | Copper    | 9.33           | 2.0                | 466           | -18                    | 22                      | 05/19/2025       | 12:52            | LB135823      |
|                | Iron      | 99000          | 101000             | 98            | 85600                  | 116500                  | 05/19/2025       | 12:52            | LB135823      |
|                | Lead      | -0.59          |                    |               | -12                    | 12                      | 05/19/2025       | 12:52            | LB135823      |
|                | Magnesium | 247000         | 255000             | 97            | 216000                 | 294000                  | 05/19/2025       | 12:52            | LB135823      |
|                | Manganese | 4.75           | 7.0                | 68            | -13                    | 27                      | 05/19/2025       | 12:52            | LB135823      |
|                | Nickel    | 1.99           | 2.0                | 100           | -38                    | 42                      | 05/19/2025       | 12:52            | LB135823      |
|                | Potassium | -23.0          |                    |               | 0                      | 0                       | 05/19/2025       | 12:52            | LB135823      |
|                | Selenium  | 4.52           |                    |               | -20                    | 20                      | 05/19/2025       | 12:52            | LB135823      |
|                | Silver    | -0.75          |                    |               | -10                    | 10                      | 05/19/2025       | 12:52            | LB135823      |
|                | Sodium    | -58.2          |                    |               | 0                      | 0                       | 05/19/2025       | 12:52            | LB135823      |
|                | Thallium  | 9.42           |                    |               | -40                    | 40                      | 05/19/2025       | 12:52            | LB135823      |
|                | Vanadium  | 3.00           |                    |               | -40                    | 40                      | 05/19/2025       | 12:52            | LB135823      |
|                | Zinc      | 2.14           |                    |               | -40                    | 40                      | 05/19/2025       | 12:52            | LB135823      |
| <b>ICSAB01</b> | Aluminum  | 248000         | 247000             | 100           | 209000                 | 285000                  | 05/19/2025       | 12:57            | LB135823      |
|                | Antimony  | 634            | 618                | 103           | 525                    | 711                     | 05/19/2025       | 12:57            | LB135823      |
|                | Arsenic   | 115            | 104                | 111           | 88.4                   | 120                     | 05/19/2025       | 12:57            | LB135823      |
|                | Barium    | 481            | 537                | 90            | 437                    | 637                     | 05/19/2025       | 12:57            | LB135823      |
|                | Beryllium | 518            | 495                | 105           | 420                    | 570                     | 05/19/2025       | 12:57            | LB135823      |
|                | Cadmium   | 1030           | 972                | 106           | 826                    | 1120                    | 05/19/2025       | 12:57            | LB135823      |
|                | Calcium   | 229000         | 235000             | 97            | 199000                 | 271000                  | 05/19/2025       | 12:57            | LB135823      |
|                | Chromium  | 571            | 542                | 105           | 460                    | 624                     | 05/19/2025       | 12:57            | LB135823      |
|                | Cobalt    | 509            | 476                | 107           | 404                    | 548                     | 05/19/2025       | 12:57            | LB135823      |
|                | Copper    | 512            | 511                | 100           | 434                    | 588                     | 05/19/2025       | 12:57            | LB135823      |
|                | Iron      | 94000          | 99300              | 95            | 84400                  | 114500                  | 05/19/2025       | 12:57            | LB135823      |
|                | Lead      | 49.5           | 49.0               | 101           | 37                     | 61                      | 05/19/2025       | 12:57            | LB135823      |
|                | Magnesium | 247000         | 248000             | 100           | 210000                 | 286000                  | 05/19/2025       | 12:57            | LB135823      |
|                | Manganese | 489            | 507                | 96            | 430                    | 584                     | 05/19/2025       | 12:57            | LB135823      |
|                | Nickel    | 1010           | 954                | 106           | 810                    | 1100                    | 05/19/2025       | 12:57            | LB135823      |
|                | Potassium | -11.6          |                    |               | 0                      | 0                       | 05/19/2025       | 12:57            | LB135823      |
|                | Selenium  | 58.0           | 46.0               | 126           | 26                     | 66                      | 05/19/2025       | 12:57            | LB135823      |
|                | Silver    | 213            | 201                | 106           | 170                    | 232                     | 05/19/2025       | 12:57            | LB135823      |
|                | Sodium    | -11.9          |                    |               | 0                      | 0                       | 05/19/2025       | 12:57            | LB135823      |
|                | Thallium  | 108            | 108                | 100           | 68                     | 148                     | 05/19/2025       | 12:57            | LB135823      |

**Metals**  
**- 4 -**  
**INTERFERENCE CHECK SAMPLE**

**Client:** Tetra Tech NUS, Inc. **SDG No.:** Q2064  
**Contract:** TETR06 **Lab Code:** CHEM **Case No.:** Q2064 **SAS No.:** Q2064  
**ICS Source:** EPA **Instrument ID:** P4

| Sample ID | Analyte  | Result<br>ug/L | True Value<br>ug/L | %<br>Recovery | Low<br>Limit<br>(ug/L) | High<br>Limit<br>(ug/L) | Analysis<br>Date | Analysis<br>Time | Run<br>Number |
|-----------|----------|----------------|--------------------|---------------|------------------------|-------------------------|------------------|------------------|---------------|
| ICSAB01   | Vanadium | 484            | 491                | 99            | 417                    | 565                     | 05/19/2025       | 12:57            | LB135823      |
|           | Zinc     | 1050           | 952                | 110           | 809                    | 1095                    | 05/19/2025       | 12:57            | LB135823      |





# METAL

## QC

# DATA

**metals**  
**- 5a -**  
**MATRIX SPIKE SUMMARY**

|                                             |                                     |                                                            |
|---------------------------------------------|-------------------------------------|------------------------------------------------------------|
| <b>client:</b> <u>Tetra Tech NUS, Inc.</u>  | <b>level:</b> <u>low</u>            | <b>sdg no.:</b> <u>Q2064</u>                               |
| <b>contract:</b> <u>TETR06</u>              | <b>lab code:</b> <u>CHEM</u>        | <b>case no.:</b> <u>Q2064</u> <b>sas no.:</b> <u>Q2064</u> |
| <b>matrix:</b> <u>Water</u>                 | <b>sample id:</b> <u>Q2033-01</u>   | <b>client id:</b> <u>TW-WTS-08MS</u>                       |
| <b>Percent Solids for Sample:</b> <u>NA</u> | <b>Spiked ID:</b> <u>Q2033-01MS</u> | <b>Percent Solids for Spike Sample:</b> <u>NA</u>          |

| Analyte   | Units | Acceptance<br>Limit %R | Spiked<br>Result | C | Sample<br>Result | C | Spike<br>Added | %<br>Recovery | Qual | M |
|-----------|-------|------------------------|------------------|---|------------------|---|----------------|---------------|------|---|
| Aluminum  | ug/L  | 86 - 115               | 1290             |   | 286              |   | 1000           | 100           |      | P |
| Antimony  | ug/L  | 88 - 113               | 413              |   | 25.0             | U | 400            | 103           |      | P |
| Arsenic   | ug/L  | 87 - 113               | 416              |   | 10.0             | U | 400            | 104           |      | P |
| Barium    | ug/L  | 88 - 113               | 264              |   | 160              |   | 100            | 105           |      | P |
| Beryllium | ug/L  | 89 - 112               | 93.8             |   | 3.00             | U | 100            | 94            |      | P |
| Cadmium   | ug/L  | 88 - 113               | 99.9             |   | 3.00             | U | 100            | 100           |      | P |
| Calcium   | ug/L  | 87 - 113               | 253000           |   | 245000           |   | 500            | 1596          |      | P |
| Chromium  | ug/L  | 90 - 113               | 273              |   | 79.3             |   | 200            | 97            |      | P |
| Cobalt    | ug/L  | 89 - 114               | 100              |   | 1.98             | J | 100            | 98            |      | P |
| Copper    | ug/L  | 86 - 114               | 160              |   | 19.1             |   | 150            | 94            |      | P |
| Iron      | ug/L  | 87 - 115               | 7710             |   | 5530             |   | 1500           | 146           | N    | P |
| Lead      | ug/L  | 86 - 113               | 481              |   | 4.28             | J | 500            | 95            |      | P |
| Magnesium | ug/L  | 85 - 113               | 898              | J | 1000             | U | 1000           | 90            |      | P |
| Manganese | ug/L  | 90 - 114               | 94.7             |   | 10.0             | U | 100            | 95            |      | P |
| Nickel    | ug/L  | 88 - 113               | 261              |   | 18.1             | J | 250            | 97            |      | P |
| Potassium | ug/L  | 86 - 114               | 287000           |   | 256000           |   | 5000           | 624           |      | P |
| Selenium  | ug/L  | 83 - 114               | 1020             |   | 10.0             | U | 1000           | 102           |      | P |
| Silver    | ug/L  | 84 - 115               | 6.75             |   | 5.00             | U | 37.5           | 18            | N    | P |
| Sodium    | ug/L  | 87 - 115               | 124000           |   | 109000           |   | 1500           | 1002          |      | P |
| Thallium  | ug/L  | 85 - 114               | 953              |   | 20.0             | U | 1000           | 95            |      | P |
| Vanadium  | ug/L  | 90 - 111               | 150              |   | 4.53             | J | 150            | 97            |      | P |
| Zinc      | ug/L  | 87 - 115               | 107              |   | 8.68             | J | 100            | 99            |      | P |

**metals**  
**- 5a -**  
**MATRIX SPIKE DUPLICATE SUMMARY**

|                                   |                             |                   |                    |                                         |                     |
|-----------------------------------|-----------------------------|-------------------|--------------------|-----------------------------------------|---------------------|
| <b>client:</b>                    | <u>Tetra Tech NUS, Inc.</u> | <b>level:</b>     | <u>low</u>         | <b>sdg no.:</b>                         | <u>Q2064</u>        |
| <b>contract:</b>                  | <u>TETR06</u>               | <b>lab code:</b>  | <u>CHEM</u>        | <b>case no.:</b>                        | <u>Q2064</u>        |
| <b>matrix:</b>                    | <u>Water</u>                | <b>sample id:</b> | <u>Q2033-01</u>    | <b>client id:</b>                       | <u>TW-WTS-08MSD</u> |
| <b>Percent Solids for Sample:</b> | <u>NA</u>                   | <b>Spiked ID:</b> | <u>Q2033-01MSD</u> | <b>Percent Solids for Spike Sample:</b> | <u>NA</u>           |

| Analyte   | Units | Acceptance<br>Limit %R | MSD<br>Result | C | Sample<br>Result | C | Spike<br>Added | %<br>Recovery | Qual | M |
|-----------|-------|------------------------|---------------|---|------------------|---|----------------|---------------|------|---|
| Aluminum  | ug/L  | 86 - 115               | 1280          |   | 286              |   | 1000           | 100           |      | P |
| Antimony  | ug/L  | 88 - 113               | 415           |   | 25.0             | U | 400            | 104           |      | P |
| Arsenic   | ug/L  | 87 - 113               | 416           |   | 10.0             | U | 400            | 104           |      | P |
| Barium    | ug/L  | 88 - 113               | 254           |   | 160              |   | 100            | 95            |      | P |
| Beryllium | ug/L  | 89 - 112               | 105           |   | 3.00             | U | 100            | 105           |      | P |
| Cadmium   | ug/L  | 88 - 113               | 101           |   | 3.00             | U | 100            | 101           |      | P |
| Calcium   | ug/L  | 87 - 113               | 251000        |   | 245000           |   | 500            | 1261          |      | P |
| Chromium  | ug/L  | 90 - 113               | 276           |   | 79.3             |   | 200            | 98            |      | P |
| Cobalt    | ug/L  | 89 - 114               | 101           |   | 1.98             | J | 100            | 99            |      | P |
| Copper    | ug/L  | 86 - 114               | 162           |   | 19.1             |   | 150            | 95            |      | P |
| Iron      | ug/L  | 87 - 115               | 7010          |   | 5530             |   | 1500           | 99            |      | P |
| Lead      | ug/L  | 86 - 113               | 484           |   | 4.28             | J | 500            | 96            |      | P |
| Magnesium | ug/L  | 85 - 113               | 927           | J | 1000             | U | 1000           | 93            |      | P |
| Manganese | ug/L  | 90 - 114               | 94.6          |   | 10.0             | U | 100            | 95            |      | P |
| Nickel    | ug/L  | 88 - 113               | 263           |   | 18.1             | J | 250            | 98            |      | P |
| Potassium | ug/L  | 86 - 114               | 263000        |   | 256000           |   | 5000           | 135           |      | P |
| Selenium  | ug/L  | 83 - 114               | 1030          |   | 10.0             | U | 1000           | 103           |      | P |
| Silver    | ug/L  | 84 - 115               | 5.41          |   | 5.00             | U | 37.5           | 14            | N    | P |
| Sodium    | ug/L  | 87 - 115               | 111000        |   | 109000           |   | 1500           | 190           |      | P |
| Thallium  | ug/L  | 85 - 114               | 962           |   | 20.0             | U | 1000           | 96            |      | P |
| Vanadium  | ug/L  | 90 - 111               | 150           |   | 4.53             | J | 150            | 97            |      | P |
| Zinc      | ug/L  | 87 - 115               | 108           |   | 8.68             | J | 100            | 99            |      | P |

**metals**  
**- 5a -**  
**MATRIX SPIKE SUMMARY**

|                                             |                                     |                                                            |
|---------------------------------------------|-------------------------------------|------------------------------------------------------------|
| <b>client:</b> <u>Tetra Tech NUS, Inc.</u>  | <b>level:</b> <u>low</u>            | <b>sdg no.:</b> <u>Q2064</u>                               |
| <b>contract:</b> <u>TETR06</u>              | <b>lab code:</b> <u>CHEM</u>        | <b>case no.:</b> <u>Q2064</u> <b>sas no.:</b> <u>Q2064</u> |
| <b>matrix:</b> <u>Water</u>                 | <b>sample id:</b> <u>Q2064-01</u>   | <b>client id:</b> <u>RW8-SP100-70-20250514MS</u>           |
| <b>Percent Solids for Sample:</b> <u>NA</u> | <b>Spiked ID:</b> <u>Q2064-01MS</u> | <b>Percent Solids for Spike Sample:</b> <u>NA</u>          |

| Analyte | Units | Acceptance<br>Limit %R | Spiked<br>Result | C | Sample<br>Result | C | Spike<br>Added | %<br>Recovery | Qual | M  |
|---------|-------|------------------------|------------------|---|------------------|---|----------------|---------------|------|----|
| Mercury | ug/L  | 82 - 119               | 3.25             |   | 0.20             | U | 4.0            | 81            | N    | CV |

**metals**  
**- 5a -**  
**MATRIX SPIKE DUPLICATE SUMMARY**

|                                             |                                      |                                                            |
|---------------------------------------------|--------------------------------------|------------------------------------------------------------|
| <b>client:</b> <u>Tetra Tech NUS, Inc.</u>  | <b>level:</b> <u>low</u>             | <b>sdg no.:</b> <u>Q2064</u>                               |
| <b>contract:</b> <u>TETR06</u>              | <b>lab code:</b> <u>CHEM</u>         | <b>case no.:</b> <u>Q2064</u> <b>sas no.:</b> <u>Q2064</u> |
| <b>matrix:</b> <u>Water</u>                 | <b>sample id:</b> <u>Q2064-01</u>    | <b>client id:</b> <u>RW8-SP100-70-20250514MSD</u>          |
| <b>Percent Solids for Sample:</b> <u>NA</u> | <b>Spiked ID:</b> <u>Q2064-01MSD</u> | <b>Percent Solids for Spike Sample:</b> <u>NA</u>          |

| Analyte | Units | Acceptance<br>Limit %R | MSD<br>Result | C | Sample<br>Result | C | Spike<br>Added | %<br>Recovery | Qual | M  |
|---------|-------|------------------------|---------------|---|------------------|---|----------------|---------------|------|----|
| Mercury | ug/L  | 82 - 119               | 3.71          |   | 0.20             | U | 4.0            | 93            |      | CV |

**Metals**  
**- 5b -**  
**POST DIGEST SPIKE SUMMARY**

**Client:** Tetra Tech NUS, Inc. **SDG No.:** Q2064  
**Contract:** TETR06 **Lab Code:** CHEM **Case No.:** Q2064 **SAS No.:** Q2064  
**Matrix:** Water **Level:** LOW **Client ID:** TW-WTS-08A  
**Sample ID:** Q2033-01 **Spiked ID:** Q2033-01A

| Analyte | Units | Acceptance<br>Limit %R | Spiked<br>Result | C | Sample<br>Result | C | Spike<br>Added | %<br>Recovery | Qual | M |
|---------|-------|------------------------|------------------|---|------------------|---|----------------|---------------|------|---|
| Iron    | ug/L  | 87 - 115               | 6390             |   | 5530             |   | 1500           | 57            | N    | P |
| Silver  | ug/L  | 84 - 115               | 31.6             |   | 5.00             | U | 37.5           | 84            |      | P |

**Metals**  
**- 5b -**  
**POST DIGEST SPIKE SUMMARY**

**Client:** Tetra Tech NUS, Inc. **SDG No.:** Q2064  
**Contract:** TETR06 **Lab Code:** CHEM **Case No.:** Q2064 **SAS No.:** Q2064  
**Matrix:** Water **Level:** LOW **Client ID:** RW8-SP100-70-20250514A  
**Sample ID:** Q2064-01 **Spiked ID:** Q2064-01A

| Analyte | Units | Acceptance<br>Limit %R | Spiked<br>Result | C | Sample<br>Result | C | Spike<br>Added | %<br>Recovery | Qual | M  |
|---------|-------|------------------------|------------------|---|------------------|---|----------------|---------------|------|----|
| Mercury | ug/L  | 82 - 119               | 3.98             |   | 0.20             | U | 4.00           | 100           |      | CV |

# Metals

- 6 -

## DUPLICATE SAMPLE SUMMARY

**Client:** Tetra Tech NUS, Inc. **Level:** LOW **SDG No.:** Q2064  
**Contract:** TETR06 **Lab Code:** CHEM **Case No.:** Q2064 **SAS No.:** Q2064  
**Matrix:** Water **Sample ID:** Q2033-01 **Client ID:** TW-WTS-08DUP  
**Percent Solids for Sample:** NA **Duplicate ID** Q2033-01DUP **Percent Solids for Spike Sample:** NA

| Analyte   | Units | Acceptance Limit | Sample Result | C | Duplicate Result | C | RPD   | Qual | M |
|-----------|-------|------------------|---------------|---|------------------|---|-------|------|---|
| Aluminum  | ug/L  | 20               | 286           |   | 301              |   | 5     |      | P |
| Antimony  | ug/L  | 20               | 25.0          | U | 25.0             | U |       |      | P |
| Arsenic   | ug/L  | 20               | 10.0          | U | 10.0             | U |       |      | P |
| Barium    | ug/L  | 20               | 160           |   | 166              |   | 4     |      | P |
| Beryllium | ug/L  | 20               | 3.00          | U | 3.00             | U |       |      | P |
| Cadmium   | ug/L  | 20               | 3.00          | U | 3.00             | U |       |      | P |
| Calcium   | ug/L  | 20               | 245000        |   | 251000           |   | 2     |      | P |
| Chromium  | ug/L  | 20               | 79.3          |   | 83.6             |   | 5     |      | P |
| Cobalt    | ug/L  | 20               | 1.98          | J | 1.93             | J | 3     |      | P |
| Copper    | ug/L  | 20               | 19.1          |   | 19.5             |   | 2     |      | P |
| Iron      | ug/L  | 20               | 5530          |   | 5830             |   | 5     |      | P |
| Lead      | ug/L  | 20               | 4.28          | J | 4.38             | J | 2     |      | P |
| Magnesium | ug/L  | 20               | 1000          | U | 1000             | U |       |      | P |
| Manganese | ug/L  | 20               | 10.0          | U | 10.0             | U |       |      | P |
| Nickel    | ug/L  | 20               | 18.1          | J | 18.9             | J | 4     |      | P |
| Potassium | ug/L  | 20               | 256000        |   | 270000           |   | 5     |      | P |
| Selenium  | ug/L  | 20               | 10.0          | U | 10.0             | U |       |      | P |
| Silver    | ug/L  | 20               | 5.00          | U | 5.00             | U |       |      | P |
| Sodium    | ug/L  | 20               | 109000        |   | 115000           |   | 5     |      | P |
| Thallium  | ug/L  | 20               | 20.0          | U | 20.0             | U |       |      | P |
| Vanadium  | ug/L  | 20               | 4.53          | J | 4.93             | J | 8     |      | P |
| Zinc      | ug/L  | 20               | 8.68          | J | 20.0             | U | 200.0 |      | P |

“A control limit of  $\pm 20\%$  RPD for each matrix applies for sample values greater than 10 times Detection Limit”



**Metals**

- 6 -

**DUPLICATE SAMPLE SUMMARY**

**Client:** Tetra Tech NUS, Inc. **Level:** LOW **SDG No.:** Q2064  
**Contract:** TETR06 **Lab Code:** CHEM **Case No.:** Q2064 **SAS No.:** Q2064  
**Matrix:** Water **Sample ID:** Q2033-01MS **Client ID:** TW-WTS-08MSD  
**Percent Solids for Sample:** NA **Duplicate ID** Q2033-01MSD **Percent Solids for Spike Sample:** NA

| Analyte   | Units | Acceptance Limit | Sample Result | C | Duplicate Result | C | RPD | Qual | M |
|-----------|-------|------------------|---------------|---|------------------|---|-----|------|---|
| Aluminum  | ug/L  | 20               | 1290          |   | 1280             |   | 1   |      | P |
| Antimony  | ug/L  | 20               | 413           |   | 415              |   | 0   |      | P |
| Arsenic   | ug/L  | 20               | 416           |   | 416              |   | 0   |      | P |
| Barium    | ug/L  | 20               | 264           |   | 254              |   | 4   |      | P |
| Beryllium | ug/L  | 20               | 93.8          |   | 105              |   | 11  |      | P |
| Cadmium   | ug/L  | 20               | 99.9          |   | 101              |   | 1   |      | P |
| Calcium   | ug/L  | 20               | 253000        |   | 251000           |   | 1   |      | P |
| Chromium  | ug/L  | 20               | 273           |   | 276              |   | 1   |      | P |
| Cobalt    | ug/L  | 20               | 100           |   | 101              |   | 1   |      | P |
| Copper    | ug/L  | 20               | 160           |   | 162              |   | 1   |      | P |
| Iron      | ug/L  | 20               | 7710          |   | 7010             |   | 10  |      | P |
| Lead      | ug/L  | 20               | 481           |   | 484              |   | 1   |      | P |
| Magnesium | ug/L  | 20               | 898           | J | 927              | J | 3   |      | P |
| Manganese | ug/L  | 20               | 94.7          |   | 94.6             |   | 0   |      | P |
| Nickel    | ug/L  | 20               | 261           |   | 263              |   | 1   |      | P |
| Potassium | ug/L  | 20               | 287000        |   | 263000           |   | 9   |      | P |
| Selenium  | ug/L  | 20               | 1020          |   | 1030             |   | 1   |      | P |
| Silver    | ug/L  | 20               | 6.75          |   | 5.41             |   | 22  |      | P |
| Sodium    | ug/L  | 20               | 124000        |   | 111000           |   | 11  |      | P |
| Thallium  | ug/L  | 20               | 953           |   | 962              |   | 1   |      | P |
| Vanadium  | ug/L  | 20               | 150           |   | 150              |   | 0   |      | P |
| Zinc      | ug/L  | 20               | 107           |   | 108              |   | 1   |      | P |

“A control limit of  $\pm 20\%$  RPD for each matrix applies for sample values greater than 10 times Detection Limit”

**Metals**

- 6 -

**DUPLICATE SAMPLE SUMMARY**

|                                   |                             |                     |                    |                                         |                                 |
|-----------------------------------|-----------------------------|---------------------|--------------------|-----------------------------------------|---------------------------------|
| <b>Client:</b>                    | <u>Tetra Tech NUS, Inc.</u> | <b>Level:</b>       | <u>LOW</u>         | <b>SDG No.:</b>                         | <u>Q2064</u>                    |
| <b>Contract:</b>                  | <u>TETR06</u>               | <b>Lab Code:</b>    | <u>CHEM</u>        | <b>Case No.:</b>                        | <u>Q2064</u>                    |
| <b>Matrix:</b>                    | <u>Water</u>                | <b>Sample ID:</b>   | <u>Q2064-01</u>    | <b>Client ID:</b>                       | <u>RW8-SP100-70-20250514DUP</u> |
| <b>Percent Solids for Sample:</b> | <u>NA</u>                   | <b>Duplicate ID</b> | <u>Q2064-01DUP</u> | <b>Percent Solids for Spike Sample:</b> | <u>NA</u>                       |

| Analyte | Units | Acceptance Limit | Sample Result | C | Duplicate Result | C | RPD | Qual | M  |
|---------|-------|------------------|---------------|---|------------------|---|-----|------|----|
| Mercury | ug/L  | 20               | 0.20          | U | 0.20             | U |     |      | CV |

“A control limit of  $\pm 20\%$  RPD for each matrix applies for sample values greater than 10 times Detection Limit”

**Metals**

- 6 -

**DUPLICATE SAMPLE SUMMARY**

**Client:** Tetra Tech NUS, Inc. **Level:** LOW **SDG No.:** Q2064  
**Contract:** TETR06 **Lab Code:** CHEM **Case No.:** Q2064 **SAS No.:** Q2064  
**Matrix:** Water **Sample ID:** Q2064-01MS **Client ID:** RW8-SP100-70-20250514MSD  
**Percent Solids for Sample:** NA **Duplicate ID** Q2064-01MSD **Percent Solids for Spike Sample:** NA

| Analyte | Units | Acceptance Limit | Sample Result | C | Duplicate Result | C | RPD | Qual | M  |
|---------|-------|------------------|---------------|---|------------------|---|-----|------|----|
| Mercury | ug/L  | 20               | 3.25          |   | 3.71             |   | 13  |      | CV |

“A control limit of  $\pm 20\%$  RPD for each matrix applies for sample values greater than 10 times Detection Limit”

# Metals

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## LABORATORY CONTROL SAMPLE SUMMARY

Client: Tetra Tech NUS, Inc. SDG No.: Q2064  
 Contract: TETR06 Lab Code: CHEM Case No.: Q2064 SAS No.: Q2064

| Analyte    | Units | True Value | Result | C | % Recovery | Acceptance Limits | M |
|------------|-------|------------|--------|---|------------|-------------------|---|
| PB168036BS |       |            |        |   |            |                   |   |
| Aluminum   | ug/L  | 1000       | 937    |   | 94         | 86 - 115          | P |
| Antimony   | ug/L  | 400        | 395    |   | 99         | 88 - 113          | P |
| Arsenic    | ug/L  | 400        | 386    |   | 96         | 87 - 113          | P |
| Barium     | ug/L  | 100        | 88.9   |   | 89         | 88 - 113          | P |
| Beryllium  | ug/L  | 100        | 98.6   |   | 99         | 89 - 112          | P |
| Cadmium    | ug/L  | 100        | 96.1   |   | 96         | 88 - 113          | P |
| Calcium    | ug/L  | 500        | 476    | J | 95         | 87 - 113          | P |
| Chromium   | ug/L  | 200        | 191    |   | 96         | 90 - 113          | P |
| Cobalt     | ug/L  | 100        | 93.3   |   | 93         | 89 - 114          | P |
| Copper     | ug/L  | 150        | 147    |   | 98         | 86 - 114          | P |
| Iron       | ug/L  | 1500       | 1380   |   | 92         | 87 - 115          | P |
| Lead       | ug/L  | 500        | 469    |   | 94         | 86 - 113          | P |
| Magnesium  | ug/L  | 1000       | 912    | J | 91         | 85 - 113          | P |
| Manganese  | ug/L  | 100        | 94.2   |   | 94         | 90 - 114          | P |
| Nickel     | ug/L  | 250        | 236    |   | 94         | 88 - 113          | P |
| Potassium  | ug/L  | 5000       | 4430   |   | 89         | 86 - 114          | P |
| Selenium   | ug/L  | 1000       | 983    |   | 98         | 83 - 114          | P |
| Silver     | ug/L  | 37.5       | 35.9   |   | 96         | 84 - 115          | P |
| Sodium     | ug/L  | 1500       | 1410   |   | 94         | 87 - 115          | P |
| Thallium   | ug/L  | 1000       | 968    |   | 97         | 85 - 114          | P |
| Vanadium   | ug/L  | 150        | 139    |   | 93         | 90 - 111          | P |
| Zinc       | ug/L  | 100        | 97.0   |   | 97         | 87 - 115          | P |

**Metals**

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**LABORATORY CONTROL SAMPLE SUMMARY**

**Client:** Tetra Tech NUS, Inc. **SDG No.:** Q2064  
**Contract:** TETR06 **Lab Code:** CHEM **Case No.:** Q2064 **SAS No.:** Q2064

| Analyte               | Units | True Value | Result | C | %<br>Recovery | Acceptance<br>Limits | M  |
|-----------------------|-------|------------|--------|---|---------------|----------------------|----|
| PB168071BS<br>Mercury | ug/L  | 4.0        | 3.61   |   | 90            | 82 - 119             | CV |

**Metals**  
**-9 -**  
**ICP SERIAL DILUTIONS**

SAMPLE NO.

TW-WTS-08L

Lab Name: Chemtech Consulting Group

Contract: TETR06

Lab Code: CHEM Lb No.: lb135823 Lab Sample ID : Q2033-01L SDG No.: Q2064

Matrix (soil/water): Water Level (low/med): LOW

Concentration Units: ug/L

| Analyte   | Initial Sample Result (I) |   | Serial Dilution Result (S) |   | % Differ-<br>ence | Q | M |
|-----------|---------------------------|---|----------------------------|---|-------------------|---|---|
|           |                           | C |                            | C |                   |   |   |
| Aluminum  | 286                       |   | 237                        | J | 17                |   | P |
| Antimony  | 25.0                      | U | 125                        | U |                   |   | P |
| Arsenic   | 10.0                      | U | 50.0                       | U |                   |   | P |
| Barium    | 160                       |   | 162                        | J | 1                 |   | P |
| Beryllium | 3.00                      | U | 15.0                       | U |                   |   | P |
| Cadmium   | 3.00                      | U | 15.0                       | U |                   |   | P |
| Calcium   | 245000                    |   | 248000                     |   | 1                 |   | P |
| Chromium  | 79.3                      |   | 78.0                       |   | 2                 |   | P |
| Cobalt    | 1.98                      | J | 75.0                       | U | 100.0             |   | P |
| Copper    | 19.1                      |   | 18.7                       | J | 2                 |   | P |
| Iron      | 5530                      |   | 5940                       |   | 7                 |   | P |
| Lead      | 4.28                      | J | 30.0                       | U | 100.0             |   | P |
| Magnesium | 1000                      | U | 5000                       | U |                   |   | P |
| Manganese | 10.0                      | U | 50.0                       | U |                   |   | P |
| Nickel    | 18.1                      | J | 18.6                       | J | 3                 |   | P |
| Potassium | 256000                    |   | 256000                     |   | 0                 |   | P |
| Selenium  | 10.0                      | U | 50.0                       | U |                   |   | P |
| Silver    | 5.00                      | U | 25.0                       | U |                   |   | P |
| Sodium    | 109000                    |   | 109000                     |   | 0                 |   | P |
| Thallium  | 20.0                      | U | 100                        | U |                   |   | P |
| Vanadium  | 4.53                      | J | 100                        | U | 100.0             |   | P |
| Zinc      | 8.68                      | J | 100                        | U | 100.0             |   | P |

**Metals**  
**-9 -**  
**ICP SERIAL DILUTIONS**

**SAMPLE NO.**

RW8-SP100-70-20250514L

**Lab Name:** Chemtech Consulting Group **Contract:** TETR06  
**Lab Code:** CHEM **Lb No.:** lb135832 **Lab Sample ID :** Q2064-01L **SDG No.:** Q2064  
**Matrix (soil/water):** Water **Level (low/med):** LOW  
**Concentration Units:** ug/L

| Analyte | Initial Sample<br>Result (I) | Serial Dilution<br>Result (S) | % Differ-<br>ence | Q | M  |
|---------|------------------------------|-------------------------------|-------------------|---|----|
| Mercury | 0.20 U                       | 1.00 U                        |                   |   | CV |



# METAL PREPARATION & INSTRUMENT DATA



**Metals**

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**ICP INTERELEMEN CORRECTION FACTORS**

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

**SDG No.:** Q2064

**Contract:** TETR06

**Lab Code:** CHEM

**Case No.:** Q2064

**SAS No.:** Q2064

**Instrument ID:**

**Date:**

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

| Analyte   | Wave-<br>Length<br>(nm) | ICP Interement Correction Factors For: |            |            |           |           |
|-----------|-------------------------|----------------------------------------|------------|------------|-----------|-----------|
|           |                         | Al                                     | Ca         | Fe         | Mg        | Ag        |
| Aluminum  | 396.100                 | 0.0000000                              | -0.0002060 | 0.0000000  | 0.0000000 | 0.0000000 |
| Antimony  | 206.833                 | 0.0000000                              | 0.0000000  | 0.0000000  | 0.0000000 | 0.0000000 |
| Arsenic   | 193.759                 | 0.0000000                              | 0.0000000  | -0.0000440 | 0.0000000 | 0.0000000 |
| Barium    | 493.409                 | 0.0000000                              | 0.0000000  | 0.0000000  | 0.0000000 | 0.0000000 |
| Beryllium | 234.861                 | 0.0000000                              | 0.0000000  | 0.0000000  | 0.0000000 | 0.0000000 |
| Cadmium   | 226.502                 | 0.0000000                              | 0.0000000  | 0.0000930  | 0.0000000 | 0.0000000 |
| Calcium   | 373.690                 | 0.0000000                              | 0.0000000  | -0.0075970 | 0.0000000 | 0.0000000 |
| Chromium  | 267.716                 | 0.0000000                              | 0.0000000  | 0.0000000  | 0.0000000 | 0.0000000 |
| Cobalt    | 228.616                 | 0.0000000                              | 0.0000000  | 0.0000000  | 0.0000000 | 0.0000000 |
| Copper    | 224.700                 | 0.0000000                              | 0.0000000  | 0.0007850  | 0.0000000 | 0.0000000 |
| Iron      | 240.488                 | 0.0000000                              | 0.0000000  | 0.0000000  | 0.0000000 | 0.0000000 |
| Lead      | 220.353                 | -0.0000920                             | 0.0000000  | 0.0000380  | 0.0000000 | 0.0000000 |
| Magnesium | 279.079                 | 0.0000000                              | 0.0000000  | 0.0000000  | 0.0000000 | 0.0000000 |
| Manganese | 257.610                 | 0.0000000                              | 0.0000000  | 0.0000000  | 0.0000000 | 0.0000000 |
| Nickel    | 231.604                 | 0.0000000                              | 0.0000000  | 0.0000000  | 0.0000000 | 0.0000000 |
| Potassium | 766.490                 | 0.0000000                              | 0.0000000  | 0.0000000  | 0.0000000 | 0.0000000 |
| Selenium  | 196.090                 | 0.0000000                              | 0.0000000  | -0.0001440 | 0.0000000 | 0.0000000 |
| Silver    | 328.068                 | 0.0000000                              | 0.0000000  | -0.0001490 | 0.0000000 | 0.0000000 |
| Sodium    | 589.592                 | 0.0000000                              | 0.0000000  | 0.0000000  | 0.0000000 | 0.0000000 |
| Thallium  | 190.856                 | 0.0000000                              | 0.0000000  | 0.0000000  | 0.0000000 | 0.0000000 |
| Vanadium  | 292.402                 | 0.0000000                              | 0.0000000  | 0.0000000  | 0.0000000 | 0.0000000 |
| Zinc      | 213.800                 | 0.0000000                              | 0.0000000  | 0.0001050  | 0.0000000 | 0.0000000 |

**Metals**

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**ICP INTERELEMENT CORRECTION FACTORS**

Client: Tetra Tech NUS, Inc. SDG No.: Q2064  
 Contract: TETR06 Lab Code: CHEM Case No.: Q2064 SAS No.: Q2064  
 Instrument ID: \_\_\_\_\_ Date: \_\_\_\_\_

Interelement Correction Factors (apparent ppb analyte/ppm interferent )

| Analyte   | Wave-<br>Length<br>(nm) | ICP Interelement Correction Factors For: |           |           |           |            |
|-----------|-------------------------|------------------------------------------|-----------|-----------|-----------|------------|
|           |                         | As                                       | Ba        | Be        | Cd        | Co         |
| Aluminum  | 396.100                 | 0.0000000                                | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000  |
| Antimony  | 206.833                 | 0.0000000                                | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000  |
| Arsenic   | 193.759                 | 0.0000000                                | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000  |
| Barium    | 493.409                 | 0.0000000                                | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000  |
| Beryllium | 234.861                 | 0.0000000                                | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000  |
| Cadmium   | 226.502                 | 0.0000000                                | 0.0000000 | 0.0000000 | 0.0000000 | 0.0002870  |
| Calcium   | 373.690                 | 0.0000000                                | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000  |
| Chromium  | 267.716                 | 0.0000000                                | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000  |
| Cobalt    | 228.616                 | 0.0000000                                | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000  |
| Copper    | 224.700                 | 0.0000000                                | 0.0000000 | 0.0000000 | 0.0000000 | 0.0009530  |
| Iron      | 240.488                 | 0.0000000                                | 0.0000000 | 0.0000000 | 0.0000000 | -0.0039600 |
| Lead      | 220.353                 | 0.0000000                                | 0.0003170 | 0.0000000 | 0.0000000 | 0.0000000  |
| Magnesium | 279.079                 | 0.0000000                                | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000  |
| Manganese | 257.610                 | 0.0000000                                | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000  |
| Nickel    | 231.604                 | 0.0000000                                | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000  |
| Potassium | 766.490                 | 0.0000000                                | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000  |
| Selenium  | 196.090                 | 0.0000000                                | 0.0000000 | 0.0000000 | 0.0000000 | -0.0003570 |
| Silver    | 328.068                 | 0.0000000                                | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000  |
| Sodium    | 589.592                 | 0.0000000                                | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000  |
| Thallium  | 190.856                 | 0.0000000                                | 0.0000000 | 0.0000000 | 0.0000000 | 0.0054900  |
| Vanadium  | 292.402                 | 0.0000000                                | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000  |
| Zinc      | 213.800                 | 0.0000000                                | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000  |

**Metals**

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**ICP INTERELEMEN CORRECTION FACTORS**

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

**SDG No.:** Q2064

**Contract:** TETR06

**Lab Code:** CHEM

**Case No.:** Q2064

**SAS No.:** Q2064

**Instrument ID:**

**Date:**

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

| Analyte   | Wave-<br>Length<br>(nm) | ICP Interement Correction Factors For: |           |           |            |            |
|-----------|-------------------------|----------------------------------------|-----------|-----------|------------|------------|
|           |                         | Cr                                     | Cu        | K         | Mn         | Mo         |
| Aluminum  | 396.100                 | 0.0000000                              | 0.0000000 | 0.0000590 | 0.0000000  | 0.0396900  |
| Antimony  | 206.833                 | 0.0122000                              | 0.0000000 | 0.0000000 | 0.0000000  | 0.0000000  |
| Arsenic   | 193.759                 | -0.0029000                             | 0.0000000 | 0.0000000 | 0.0000000  | 0.0004900  |
| Barium    | 493.409                 | 0.0000000                              | 0.0000000 | 0.0000000 | 0.0000000  | 0.0000000  |
| Beryllium | 234.861                 | 0.0000000                              | 0.0000000 | 0.0000000 | -0.0000710 | -0.0003400 |
| Cadmium   | 226.502                 | 0.0000000                              | 0.0000000 | 0.0000000 | 0.0000000  | 0.0000000  |
| Calcium   | 373.690                 | 0.0000000                              | 0.0000000 | 0.0000000 | 0.0000000  | 0.0000000  |
| Chromium  | 267.716                 | 0.0000000                              | 0.0000000 | 0.0000070 | 0.0002200  | 0.0000000  |
| Cobalt    | 228.616                 | 0.0000000                              | 0.0000000 | 0.0000000 | 0.0000000  | -0.0007860 |
| Copper    | 224.700                 | 0.0000000                              | 0.0000000 | 0.0000000 | 0.0006510  | 0.0020500  |
| Iron      | 240.488                 | 0.0000000                              | 0.0000000 | 0.0000730 | 0.0000000  | -0.0015250 |
| Lead      | 220.353                 | 0.0000000                              | 0.0000000 | 0.0000000 | 0.0001400  | -0.0008600 |
| Magnesium | 279.079                 | 0.0000000                              | 0.0000000 | 0.0000000 | 0.0000000  | 0.0000000  |
| Manganese | 257.610                 | 0.0000000                              | 0.0000000 | 0.0000000 | 0.0000000  | 0.0000000  |
| Nickel    | 231.604                 | 0.0000000                              | 0.0000000 | 0.0000000 | 0.0000000  | 0.0000000  |
| Potassium | 766.490                 | 0.0000000                              | 0.0000000 | 0.0000000 | 0.0000000  | 0.0000000  |
| Selenium  | 196.090                 | 0.0000000                              | 0.0000000 | 0.0000000 | 0.0007460  | 0.0000000  |
| Silver    | 328.068                 | 0.0000000                              | 0.0000000 | 0.0000000 | 0.0000000  | -0.0000120 |
| Sodium    | 589.592                 | 0.0000000                              | 0.0000000 | 0.0000000 | 0.0000000  | 0.0000000  |
| Thallium  | 190.856                 | 0.0000000                              | 0.0000000 | 0.0000000 | 0.0017400  | -0.0100400 |
| Vanadium  | 292.402                 | -0.0025100                             | 0.0000000 | 0.0000000 | 0.0000000  | -0.0072000 |
| Zinc      | 213.800                 | 0.0000000                              | 0.0009010 | 0.0000000 | 0.0000000  | 0.0000000  |

**Metals**

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**ICP INTERELEMENT CORRECTION FACTORS**

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

**SDG No.:** Q2064

**Contract:** TETR06

**Lab Code:** CHEM

**Case No.:** Q2064

**SAS No.:** Q2064

**Instrument ID:** \_\_\_\_\_

**Date:** \_\_\_\_\_

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

| Analyte   | Wave-<br>Length<br>(nm) | ICP Interelement Correction Factors For: |            |           |           |           |
|-----------|-------------------------|------------------------------------------|------------|-----------|-----------|-----------|
|           |                         | Na                                       | Ni         | Pb        | Sb        | Se        |
| Aluminum  | 396.100                 | 0.0000000                                | 0.0000000  | 0.0012800 | 0.0000000 | 0.0000000 |
| Antimony  | 206.833                 | 0.0000000                                | 0.0000000  | 0.0000000 | 0.0000000 | 0.0000000 |
| Arsenic   | 193.759                 | 0.0000000                                | 0.0000000  | 0.0000000 | 0.0000000 | 0.0000000 |
| Barium    | 493.409                 | 0.0000000                                | 0.0000000  | 0.0000000 | 0.0000000 | 0.0000000 |
| Beryllium | 234.861                 | 0.0000000                                | 0.0000000  | 0.0000000 | 0.0000000 | 0.0000000 |
| Cadmium   | 226.502                 | 0.0000000                                | 0.0000000  | 0.0000000 | 0.0000000 | 0.0000000 |
| Calcium   | 373.690                 | 0.0000000                                | 0.0000000  | 0.0000000 | 0.0000000 | 0.0000000 |
| Chromium  | 267.716                 | 0.0000000                                | 0.0000000  | 0.0000000 | 0.0000000 | 0.0000000 |
| Cobalt    | 228.616                 | 0.0000000                                | 0.0000000  | 0.0000000 | 0.0000000 | 0.0000000 |
| Copper    | 224.700                 | 0.0000000                                | -0.0047000 | 0.0036100 | 0.0000000 | 0.0000000 |
| Iron      | 240.488                 | 0.0000000                                | -0.0017000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Lead      | 220.353                 | 0.0000000                                | 0.0006580  | 0.0000000 | 0.0000000 | 0.0001290 |
| Magnesium | 279.079                 | 0.0000000                                | 0.0000000  | 0.0000000 | 0.0000000 | 0.0000000 |
| Manganese | 257.610                 | 0.0000000                                | 0.0000000  | 0.0000000 | 0.0000000 | 0.0000000 |
| Nickel    | 231.604                 | 0.0000000                                | 0.0000000  | 0.0000000 | 0.0000000 | 0.0000000 |
| Potassium | 766.490                 | 0.0000000                                | 0.0000000  | 0.0000000 | 0.0000000 | 0.0000000 |
| Selenium  | 196.090                 | 0.0000000                                | 0.0000000  | 0.0003330 | 0.0000000 | 0.0000000 |
| Silver    | 328.068                 | 0.0000000                                | 0.0000000  | 0.0000000 | 0.0000000 | 0.0000000 |
| Sodium    | 589.592                 | 0.0000000                                | 0.0000000  | 0.0000000 | 0.0000000 | 0.0000000 |
| Thallium  | 190.856                 | 0.0000000                                | 0.0000000  | 0.0000000 | 0.0000000 | 0.0000000 |
| Vanadium  | 292.402                 | 0.0000000                                | 0.0000000  | 0.0000000 | 0.0000000 | 0.0000000 |
| Zinc      | 213.800                 | 0.0000000                                | 0.0067600  | 0.0000000 | 0.0000000 | 0.0000000 |

**Metals**

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**ICP INTERELEMENT CORRECTION FACTORS**

**Client:** Tetra Tech NUS, Inc. **SDG No.:** Q2064  
**Contract:** TETR06 **Lab Code:** CHEM **Case No.:** Q2064 **SAS No.:** Q2064  
**Instrument ID:** \_\_\_\_\_ **Date:** \_\_\_\_\_

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

| Analyte   | Wave-<br>Length<br>(nm) | ICP Interelement Correction Factors For: |            |           |            |           |
|-----------|-------------------------|------------------------------------------|------------|-----------|------------|-----------|
|           |                         | Sn                                       | Ti         | Tl        | V          | Zn        |
| Aluminum  | 396.100                 | 0.0000000                                | 0.0000000  | 0.0000000 | 0.0000000  | 0.0000000 |
| Antimony  | 206.833                 | -0.0035600                               | -0.0007970 | 0.0000000 | -0.0018900 | 0.0000000 |
| Arsenic   | 193.759                 | 0.0000000                                | 0.0000000  | 0.0000000 | 0.0000000  | 0.0000000 |
| Barium    | 493.409                 | 0.0000000                                | 0.0000000  | 0.0000000 | 0.0000000  | 0.0000000 |
| Beryllium | 234.861                 | 0.0000000                                | 0.0000000  | 0.0000000 | 0.0000000  | 0.0000000 |
| Cadmium   | 226.502                 | 0.0000000                                | 0.0000630  | 0.0001280 | 0.0000000  | 0.0000000 |
| Calcium   | 373.690                 | 0.0000000                                | 0.0000000  | 0.0000000 | 0.0000000  | 0.0000000 |
| Chromium  | 267.716                 | 0.0000000                                | 0.0000000  | 0.0000000 | 0.0001110  | 0.0000000 |
| Cobalt    | 228.616                 | 0.0000000                                | 0.0018800  | 0.0000000 | 0.0000000  | 0.0000000 |
| Copper    | 224.700                 | 0.0000000                                | 0.0003840  | 0.0000000 | 0.0000000  | 0.0000000 |
| Iron      | 240.488                 | 0.0000000                                | 0.0000000  | 0.0000000 | 0.0000000  | 0.0000000 |
| Lead      | 220.353                 | 0.0000000                                | -0.0003610 | 0.0000000 | 0.0000000  | 0.0000000 |
| Magnesium | 279.079                 | 0.0000000                                | 0.0000000  | 0.0000000 | 0.0000000  | 0.0000000 |
| Manganese | 257.610                 | 0.0000000                                | 0.0000000  | 0.0000000 | 0.0000000  | 0.0000000 |
| Nickel    | 231.604                 | 0.0000000                                | 0.0000000  | 0.0000000 | 0.0000000  | 0.0000000 |
| Potassium | 766.490                 | 0.0000000                                | 0.0000000  | 0.0000000 | 0.0000000  | 0.0000000 |
| Selenium  | 196.090                 | 0.0000000                                | 0.0000000  | 0.0000000 | 0.0000000  | 0.0000000 |
| Silver    | 328.068                 | 0.0000000                                | -0.0007420 | 0.0000000 | 0.0000000  | 0.0000000 |
| Sodium    | 589.592                 | 0.0000000                                | 0.0000000  | 0.0000000 | 0.0000000  | 0.0000000 |
| Thallium  | 190.856                 | 0.0000000                                | -0.0039700 | 0.0000000 | -0.0115600 | 0.0000000 |
| Vanadium  | 292.402                 | 0.0000000                                | 0.0005320  | 0.0000000 | 0.0000000  | 0.0000000 |
| Zinc      | 213.800                 | 0.0000000                                | 0.0000000  | 0.0000000 | 0.0000000  | 0.0000000 |



# METAL PREPARATION & ANALYICAL SUMMARY

**Metals**  
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**SAMPLE PREPARATION SUMMARY**

|                  |                             |                  |              |
|------------------|-----------------------------|------------------|--------------|
| <b>Client:</b>   | <u>Tetra Tech NUS, Inc.</u> | <b>SDG No.:</b>  | <u>Q2064</u> |
| <b>Contract:</b> | <u>TETR06</u>               | <b>Lab Code:</b> | <u>CHEM</u>  |
|                  |                             | <b>Method:</b>   | <u></u>      |
|                  |                             | <b>Case No.:</b> | <u>Q2064</u> |
|                  |                             | <b>SAS No.:</b>  | <u>Q2064</u> |

| Sample ID                     | Client ID             | Sample Type | Matrix | Prep Date  | Initial Sample Size(mL) | Final Sample Volume (mL) | Percent Solids |
|-------------------------------|-----------------------|-------------|--------|------------|-------------------------|--------------------------|----------------|
| <b>Batch Number: PB168036</b> |                       |             |        |            |                         |                          |                |
| PB168036BL                    | PB168036BL            | MB          | WATER  | 05/16/2025 | 50.0                    | 25.0                     |                |
| PB168036BS                    | PB168036BS            | LCS         | WATER  | 05/16/2025 | 50.0                    | 25.0                     |                |
| Q2033-01DUP                   | TW-WTS-08DUP          | DUP         | WATER  | 05/16/2025 | 50.0                    | 25.0                     |                |
| Q2033-01MS                    | TW-WTS-08MS           | MS          | WATER  | 05/16/2025 | 50.0                    | 25.0                     |                |
| Q2033-01MSD                   | TW-WTS-08MSD          | MSD         | WATER  | 05/16/2025 | 50.0                    | 25.0                     |                |
| Q2064-01                      | RW8-SP100-70-20250514 | SAM         | WATER  | 05/16/2025 | 50.0                    | 25.0                     |                |
| Q2064-04                      | RW8-SP303-70-20250514 | SAM         | WATER  | 05/16/2025 | 50.0                    | 25.0                     |                |
| Q2064-05                      | RW8-SP100-90-20250514 | SAM         | WATER  | 05/16/2025 | 50.0                    | 25.0                     |                |
| Q2064-08                      | RW8-SP303-90-20250514 | SAM         | WATER  | 05/16/2025 | 50.0                    | 25.0                     |                |

**Metals**  
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**SAMPLE PREPARATION SUMMARY**

|                  |                             |                  |              |
|------------------|-----------------------------|------------------|--------------|
| <b>Client:</b>   | <u>Tetra Tech NUS, Inc.</u> | <b>SDG No.:</b>  | <u>Q2064</u> |
| <b>Contract:</b> | <u>TETR06</u>               | <b>Lab Code:</b> | <u>CHEM</u>  |
|                  |                             | <b>Method:</b>   | <u></u>      |
|                  |                             | <b>Case No.:</b> | <u>Q2064</u> |
|                  |                             | <b>SAS No.:</b>  | <u>Q2064</u> |

| Sample ID                     | Client ID                | Sample Type | Matrix | Prep Date  | Initial Sample Size(mL) | Final Sample Volume (mL) | Percent Solids |
|-------------------------------|--------------------------|-------------|--------|------------|-------------------------|--------------------------|----------------|
| <b>Batch Number: PB168071</b> |                          |             |        |            |                         |                          |                |
| PB168071BL                    | PB168071BL               | MB          | WATER  | 05/16/2025 | 30.0                    | 30.0                     |                |
| PB168071BS                    | PB168071BS               | LCS         | WATER  | 05/16/2025 | 30.0                    | 30.0                     |                |
| Q2064-01                      | RW8-SP100-70-20250514    | SAM         | WATER  | 05/16/2025 | 30.0                    | 30.0                     |                |
| Q2064-01DUP                   | RW8-SP100-70-20250514DUP | DUP         | WATER  | 05/16/2025 | 30.0                    | 30.0                     |                |
| Q2064-01MS                    | RW8-SP100-70-20250514MS  | MS          | WATER  | 05/16/2025 | 30.0                    | 30.0                     |                |
| Q2064-01MSD                   | RW8-SP100-70-20250514MSD | MSD         | WATER  | 05/16/2025 | 30.0                    | 30.0                     |                |
| Q2064-04                      | RW8-SP303-70-20250514    | SAM         | WATER  | 05/16/2025 | 30.0                    | 30.0                     |                |
| Q2064-05                      | RW8-SP100-90-20250514    | SAM         | WATER  | 05/16/2025 | 30.0                    | 30.0                     |                |
| Q2064-08                      | RW8-SP303-90-20250514    | SAM         | WATER  | 05/16/2025 | 30.0                    | 30.0                     |                |



**metals**  
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**ANALYSIS RUN LOG**

**Client:** Tetra Tech NUS, Inc. **Contract:** TETR06

**Lab code:** CHEM **Case no.:** Q2064 **Sas no.:** Q2064 **Sdg no.:** Q2064

**Instrument id number:** **Method:** **Run number:** LB135823

**Start date:** 05/19/2025 **End date:** 05/19/2025

| Lab sample id. | Client Sample Id      | d/f | Time | Parameter list                                                  |
|----------------|-----------------------|-----|------|-----------------------------------------------------------------|
| S0             | S0                    | 1   | 1202 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| S1             | S1                    | 1   | 1206 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| S2             | S2                    | 1   | 1211 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| S3             | S3                    | 1   | 1215 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| S4             | S4                    | 1   | 1219 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| S5             | S5                    | 1   | 1223 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| ICV01          | ICV01                 | 1   | 1228 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| LLICV01        | LLICV01               | 1   | 1238 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| ICB01          | ICB01                 | 1   | 1244 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| CRI01          | CRI01                 | 1   | 1248 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| ICSA01         | ICSA01                | 1   | 1252 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| ICSAB01        | ICSAB01               | 1   | 1257 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| CCV01          | CCV01                 | 1   | 1315 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| CCB01          | CCB01                 | 1   | 1323 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| CCV02          | CCV02                 | 1   | 1413 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| CCB02          | CCB02                 | 1   | 1424 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| PB168036BL     | PB168036BL            | 1   | 1509 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| CCV03          | CCV03                 | 1   | 1514 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| CCB03          | CCB03                 | 1   | 1519 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| PB168036BS     | PB168036BS            | 1   | 1524 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| CCV04          | CCV04                 | 1   | 1603 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| CCB04          | CCB04                 | 1   | 1607 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| CCV05          | CCV05                 | 1   | 1647 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| CCB05          | CCB05                 | 1   | 1651 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| CCV06          | CCV06                 | 1   | 1735 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| CCB06          | CCB06                 | 1   | 1739 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| CCV07          | CCV07                 | 1   | 1821 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| CCB07          | CCB07                 | 1   | 1825 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| Q2033-01DUP    | TW-WTS-08DUP          | 1   | 1829 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| Q2033-01L      | TW-WTS-08L            | 5   | 1834 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| Q2033-01MS     | TW-WTS-08MS           | 1   | 1839 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| Q2033-01MSD    | TW-WTS-08MSD          | 1   | 1843 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| Q2033-01A      | TW-WTS-08A            | 1   | 1848 | Ag,Fe                                                           |
| Q2064-01       | RW8-SP100-70-20250514 | 1   | 1852 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| Q2064-04       | RW8-SP303-70-20250514 | 1   | 1856 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| Q2064-05       | RW8-SP100-90-20250514 | 1   | 1901 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| Q2064-08       | RW8-SP303-90-20250514 | 1   | 1905 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| CCV08          | CCV08                 | 1   | 1909 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| CCB08          | CCB08                 | 1   | 1914 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| CCV09          | CCV09                 | 1   | 1955 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| CCB09          | CCB09                 | 1   | 1959 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |

**metals**  
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**ANALYSIS RUN LOG**

**Client:** Tetra Tech NUS, Inc. **Contract:** TETR06

**Lab code:** CHEM **Case no.:** Q2064 **Sas no.:** Q2064 **Sdg no.:** Q2064

**Instrument id number:**                      **Method:**                      **Run number:** LB135823

**Start date:** 05/19/2025 **End date:** 05/19/2025

| Lab sample id. | Client Sample Id | d/f | Time | Parameter list                                                  |
|----------------|------------------|-----|------|-----------------------------------------------------------------|
| CCV10          | CCV10            | 1   | 2011 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| CCB10          | CCB10            | 1   | 2015 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |

A

B

C

D

E

F

G

H

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

**Client:** Tetra Tech NUS, Inc. **Contract:** TETR06

**Lab code:** CHEM **Case no.:** Q2064 **Sas no.:** Q2064 **Sdg no.:** Q2064

**Instrument id number:**                      **Method:**                      **Run number:** LB135832

**Start date:** 05/20/2025 **End date:** 05/20/2025

| Lab sample id. | Client Sample Id         | d/f | Time | Parameter list |
|----------------|--------------------------|-----|------|----------------|
| S0             | S0                       | 1   | 0910 | HG             |
| S0.2           | S0.2                     | 1   | 0912 | HG             |
| S2.5           | S2.5                     | 1   | 0914 | HG             |
| S5             | S5                       | 1   | 0920 | HG             |
| S7.5           | S7.5                     | 1   | 0925 | HG             |
| S10            | S10                      | 1   | 0930 | HG             |
| ICV11          | ICV11                    | 1   | 0936 | HG             |
| ICB11          | ICB11                    | 1   | 0938 | HG             |
| CCV40          | CCV40                    | 1   | 0943 | HG             |
| CCB40          | CCB40                    | 1   | 0945 | HG             |
| CRA            | CRA                      | 1   | 0947 | HG             |
| CCV41          | CCV41                    | 1   | 1013 | HG             |
| CCB41          | CCB41                    | 1   | 1015 | HG             |
| CCV42          | CCV42                    | 1   | 1042 | HG             |
| CCB42          | CCB42                    | 1   | 1044 | HG             |
| PB168071BL     | PB168071BL               | 1   | 1102 | HG             |
| PB168071BS     | PB168071BS               | 1   | 1104 | HG             |
| CCV43          | CCV43                    | 1   | 1109 | HG             |
| CCB43          | CCB43                    | 1   | 1111 | HG             |
| Q2064-01       | RW8-SP100-70-20250514    | 1   | 1113 | HG             |
| Q2064-01DUP    | RW8-SP100-70-20250514DUP | 1   | 1116 | HG             |
| Q2064-01MS     | RW8-SP100-70-20250514MS  | 1   | 1118 | HG             |
| Q2064-01MSD    | RW8-SP100-70-20250514MSD | 1   | 1120 | HG             |
| Q2064-04       | RW8-SP303-70-20250514    | 1   | 1123 | HG             |
| Q2064-05       | RW8-SP100-90-20250514    | 1   | 1125 | HG             |
| Q2064-08       | RW8-SP303-90-20250514    | 1   | 1127 | HG             |
| CCV44          | CCV44                    | 1   | 1136 | HG             |
| CCB44          | CCB44                    | 1   | 1139 | HG             |
| Q2064-01L      | RW8-SP100-70-20250514L   | 5   | 1148 | HG             |
| Q2064-01A      | RW8-SP100-70-20250514A   | 1   | 1150 | HG             |
| CCV45          | CCV45                    | 1   | 1155 | HG             |
| CCB45          | CCB45                    | 1   | 1157 | HG             |



# SHIPPING DOCUMENTS

|                                                                                                                                                                       |                                          |                                                                                                                                                                                                                                                                                                                                                                                               |                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |         |                                                                                                                                                                                                                                                                                                                |                        |                      |                 |   |   |                                                                                      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|----------------------|-----------------|---|---|--------------------------------------------------------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| <b>CHEMTECH</b><br>CHAIN OF CUSTODY RECORD                                                                                                                            |                                          | 284 Sheffield Street, Mountainside, NJ 07092<br>(908) 789-8900 Fax: (908) 78-8922<br>www.chemtech.net                                                                                                                                                                                                                                                                                         |                        | Chemtech Project Number: <span style="font-size: 1.2em;">Q2064</span><br>COC Number:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |         |                                                                                                                                                                                                                                                                                                                |                        |                      |                 |   |   |                                                                                      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| <b>CLIENT INFORMATION</b>                                                                                                                                             |                                          | <b>PROJECT INFORMATION</b>                                                                                                                                                                                                                                                                                                                                                                    |                        | <b>BILLING INFORMATION</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |         |                                                                                                                                                                                                                                                                                                                |                        |                      |                 |   |   |                                                                                      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| COMPANY: Tetra Tech                                                                                                                                                   |                                          | PROJECT NAME: NWIRP Bethpage                                                                                                                                                                                                                                                                                                                                                                  |                        | BILL TO: PO#                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |         |                                                                                                                                                                                                                                                                                                                |                        |                      |                 |   |   |                                                                                      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| ADDRESS: 4433 Corporation Ln, Suite 300                                                                                                                               |                                          | PROJECT #: 112G08005-WE13 LOCATION: RW8                                                                                                                                                                                                                                                                                                                                                       |                        | ADDRESS:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |         |                                                                                                                                                                                                                                                                                                                |                        |                      |                 |   |   |                                                                                      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| CITY: Virginia Beach STATE: VA ZIP: 23462                                                                                                                             |                                          | PROJECT MANAGER: Ernie Wu                                                                                                                                                                                                                                                                                                                                                                     |                        | CITY: STATE: ZIP:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |         |                                                                                                                                                                                                                                                                                                                |                        |                      |                 |   |   |                                                                                      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| ATTENTION: Ernie Wu                                                                                                                                                   |                                          | E-MAIL: ernie.wu@tetrattech.com                                                                                                                                                                                                                                                                                                                                                               |                        | ATTENTION: PHONE:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |         |                                                                                                                                                                                                                                                                                                                |                        |                      |                 |   |   |                                                                                      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| PHONE: 757-466-4901 FAX: 757-461-4148                                                                                                                                 |                                          | PHONE: 757-466-4901 FAX: 757-461-4148                                                                                                                                                                                                                                                                                                                                                         |                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |         |                                                                                                                                                                                                                                                                                                                |                        |                      |                 |   |   |                                                                                      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| <b>DATA TURNAROUND INFORMATION</b>                                                                                                                                    |                                          | <b>DATA DELIVERABLE INFORMATION</b>                                                                                                                                                                                                                                                                                                                                                           |                        | <b>ANALYSIS</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |         |                                                                                                                                                                                                                                                                                                                |                        |                      |                 |   |   |                                                                                      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| FAX: _____ 5 _____ DAYS*<br>HARD COPY: _____ 5 _____ DAYS*<br>EDD _____ 5 _____ DAYS*<br>* TO BE APPROVED BY CHEMTECH<br>STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS |                                          | <input type="checkbox"/> RESULTS ONLY <input type="checkbox"/> USEPA CLP<br><input type="checkbox"/> RESULTS + QC <input type="checkbox"/> New York State ASP "B"<br><input type="checkbox"/> New Jersey REDUCED <input type="checkbox"/> New York State ASP "A"<br><input type="checkbox"/> New Jersey CLP <input type="checkbox"/> Other _____<br><input type="checkbox"/> EDD Format _____ |                        | <table border="1" style="width:100%; border-collapse: collapse; font-size: 0.8em;"> <tr> <td style="writing-mode: vertical-rl; transform: rotate(180deg);">1,4-Dioxane SW846 8270</td> <td style="writing-mode: vertical-rl; transform: rotate(180deg);">TAL Metals 60100/7471A</td> <td style="writing-mode: vertical-rl; transform: rotate(180deg);">TCL SVOCs SW846 8270</td> <td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> <tr> <td style="text-align: center;">1</td> <td style="text-align: center;">2</td> <td style="text-align: center;">3</td> <td style="text-align: center;">4</td> <td style="text-align: center;">5</td> <td style="text-align: center;">6</td> <td style="text-align: center;">7</td> <td style="text-align: center;">8</td> <td style="text-align: center;">9</td> <td></td> </tr> </table> |         | 1,4-Dioxane SW846 8270                                                                                                                                                                                                                                                                                         | TAL Metals 60100/7471A | TCL SVOCs SW846 8270 |                 |   |   |                                                                                      |   |   |   | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |   |   |
| 1,4-Dioxane SW846 8270                                                                                                                                                | TAL Metals 60100/7471A                   | TCL SVOCs SW846 8270                                                                                                                                                                                                                                                                                                                                                                          |                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |         |                                                                                                                                                                                                                                                                                                                |                        |                      |                 |   |   |                                                                                      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 1                                                                                                                                                                     | 2                                        | 3                                                                                                                                                                                                                                                                                                                                                                                             | 4                      | 5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 6       | 7                                                                                                                                                                                                                                                                                                              | 8                      | 9                    |                 |   |   |                                                                                      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|                                                                                                                                                                       |                                          |                                                                                                                                                                                                                                                                                                                                                                                               |                        | <b>PRESERVATIVES</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |         |                                                                                                                                                                                                                                                                                                                |                        |                      | <b>COMMENTS</b> |   |   |                                                                                      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|                                                                                                                                                                       |                                          |                                                                                                                                                                                                                                                                                                                                                                                               |                        | <table border="1" style="width:100%; border-collapse: collapse; font-size: 0.8em;"> <tr> <td colspan="2" style="text-align: center;">B</td> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> <tr> <td style="text-align: center;">1</td> <td style="text-align: center;">2</td> <td style="text-align: center;">3</td> <td style="text-align: center;">4</td> <td style="text-align: center;">5</td> <td style="text-align: center;">6</td> <td style="text-align: center;">7</td> <td style="text-align: center;">8</td> <td style="text-align: center;">9</td> <td></td> </tr> </table>                                                                                                                                                                                                                             |         |                                                                                                                                                                                                                                                                                                                |                        |                      | B               |   |   |                                                                                      |   |   |   |   |   |   | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| B                                                                                                                                                                     |                                          |                                                                                                                                                                                                                                                                                                                                                                                               |                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |         |                                                                                                                                                                                                                                                                                                                |                        |                      |                 |   |   |                                                                                      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 1                                                                                                                                                                     | 2                                        | 3                                                                                                                                                                                                                                                                                                                                                                                             | 4                      | 5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 6       | 7                                                                                                                                                                                                                                                                                                              | 8                      | 9                    |                 |   |   |                                                                                      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| <b>CHEMTECH<br/>SAMPLE<br/>ID</b>                                                                                                                                     | <b>PROJECT<br/>SAMPLE IDENTIFICATION</b> | <b>SAMPLE<br/>MATRIX</b>                                                                                                                                                                                                                                                                                                                                                                      | <b>SAMPLE<br/>TYPE</b> | <b>SAMPLE<br/>COLLECTION</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |         | <b># of<br/>Bottles</b>                                                                                                                                                                                                                                                                                        |                        |                      |                 |   |   |                                                                                      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|                                                                                                                                                                       |                                          |                                                                                                                                                                                                                                                                                                                                                                                               | COMP                   | GRAB                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | DATE    | TIME                                                                                                                                                                                                                                                                                                           |                        | 1                    | 2               | 3 | 4 | 5                                                                                    | 6 | 7 | 8 | 9 |   |   |   |   |   |   |   |   |   |   |
| 1.                                                                                                                                                                    | RW8-SP100-70%-20250514                   | GW                                                                                                                                                                                                                                                                                                                                                                                            |                        | x                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 5/14/25 | 15:10                                                                                                                                                                                                                                                                                                          | 3                      | x                    | x               | x |   |                                                                                      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 2.                                                                                                                                                                    | RW8-SP201-70%-20250514                   | GW                                                                                                                                                                                                                                                                                                                                                                                            |                        | x                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 5/14/25 | 15:11                                                                                                                                                                                                                                                                                                          | 1                      | x                    |                 |   |   |                                                                                      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 3.                                                                                                                                                                    | RW8-SP301-70%-20250514                   | GW                                                                                                                                                                                                                                                                                                                                                                                            |                        | x                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 5/14/25 | 15:13                                                                                                                                                                                                                                                                                                          | 1                      | x                    |                 |   |   |                                                                                      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 4.                                                                                                                                                                    | RW8-SP303-70%-20250514                   | GW                                                                                                                                                                                                                                                                                                                                                                                            |                        | x                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 5/14/25 | 15:14                                                                                                                                                                                                                                                                                                          | 3                      | x                    | x               | x |   |                                                                                      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 5.                                                                                                                                                                    | RW8-SP100-90%-20250514                   | GW                                                                                                                                                                                                                                                                                                                                                                                            |                        | x                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 5/14/25 | 16:00                                                                                                                                                                                                                                                                                                          | 3                      | x                    | x               | x |   |                                                                                      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 6.                                                                                                                                                                    | RW8-SP201-90%-20250514                   | GW                                                                                                                                                                                                                                                                                                                                                                                            |                        | x                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 5/14/25 | 16:01                                                                                                                                                                                                                                                                                                          | 1                      | x                    |                 |   |   |                                                                                      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 7.                                                                                                                                                                    | RW8-SP301-90%-20250514                   | GW                                                                                                                                                                                                                                                                                                                                                                                            |                        | x                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 5/14/25 | 16:03                                                                                                                                                                                                                                                                                                          | 1                      | x                    |                 |   |   |                                                                                      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 8.                                                                                                                                                                    | RW8-SP303-90%-20250514                   | GW                                                                                                                                                                                                                                                                                                                                                                                            |                        | x                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 5/14/25 | 16:04                                                                                                                                                                                                                                                                                                          | 3                      | x                    | x               | x |   |                                                                                      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 9.                                                                                                                                                                    |                                          |                                                                                                                                                                                                                                                                                                                                                                                               |                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |         |                                                                                                                                                                                                                                                                                                                |                        |                      |                 |   |   |                                                                                      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 10.                                                                                                                                                                   |                                          |                                                                                                                                                                                                                                                                                                                                                                                               |                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |         |                                                                                                                                                                                                                                                                                                                |                        |                      |                 |   |   |                                                                                      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| <b>SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE PROSESSION INCLUDING COURIER DELIVERY</b>                                                         |                                          |                                                                                                                                                                                                                                                                                                                                                                                               |                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |         |                                                                                                                                                                                                                                                                                                                |                        |                      |                 |   |   |                                                                                      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| RELINQUISHED BY SAMPLER                                                                                                                                               |                                          | DATE/TIME                                                                                                                                                                                                                                                                                                                                                                                     |                        | RECEIVED BY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |         | Conditions of bottles or coolers at receipt: <input type="checkbox"/> Compliant <input type="checkbox"/> Non Compliant <input type="checkbox"/> Cooler Temp <u>3.1°C</u><br>MeOH extraction requires an additional 4oz. Jar for percent solid <input type="checkbox"/> Ice in Cooler?: <u>yes</u><br>Comments: |                        |                      |                 |   |   |                                                                                      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 1.                                                                                                                                                                    |                                          | 5/15/25/ru                                                                                                                                                                                                                                                                                                                                                                                    |                        | 1.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |         |                                                                                                                                                                                                                                                                                                                |                        |                      |                 |   |   |                                                                                      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| RELINQUISHED BY                                                                                                                                                       |                                          | DATE/TIME                                                                                                                                                                                                                                                                                                                                                                                     |                        | RECEIVED BY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |         |                                                                                                                                                                                                                                                                                                                |                        |                      |                 |   |   |                                                                                      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 2.                                                                                                                                                                    |                                          | 5/16/25/1005                                                                                                                                                                                                                                                                                                                                                                                  |                        | 2.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |         |                                                                                                                                                                                                                                                                                                                |                        |                      |                 |   |   |                                                                                      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| RELINQUISHED BY                                                                                                                                                       |                                          | DATE/TIME                                                                                                                                                                                                                                                                                                                                                                                     |                        | RECEIVED FOR LAB BY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |         |                                                                                                                                                                                                                                                                                                                |                        |                      |                 |   |   |                                                                                      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 3.                                                                                                                                                                    |                                          |                                                                                                                                                                                                                                                                                                                                                                                               |                        | 3.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |         |                                                                                                                                                                                                                                                                                                                |                        |                      |                 |   |   |                                                                                      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|                                                                                                                                                                       |                                          |                                                                                                                                                                                                                                                                                                                                                                                               |                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |         | SHIPPED VIA: CLIENT: <input type="checkbox"/> Hand Delivered <input type="checkbox"/> Overnight<br>CHEMTECH: <input type="checkbox"/> Picked Up <input type="checkbox"/> Overnight                                                                                                                             |                        |                      |                 |   |   | <b>Shipment Complete</b><br><input type="checkbox"/> YES <input type="checkbox"/> NO |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| WHITE - CHEMTECH COPY FOR RETURN TO CLIENT    YELLOW - CHEMTECH COPY    PINK - SAMPLER COPY                                                                           |                                          |                                                                                                                                                                                                                                                                                                                                                                                               |                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |         |                                                                                                                                                                                                                                                                                                                |                        |                      |                 |   |   |                                                                                      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |

### Laboratory Certification

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