

## **ANALYTICAL RESULTS SUMMARY**

GENERAL CHEMISTRY  
METALS  
GC SEMI-VOLATILES  
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 : Q1122**

**ATTENTION : Ernie Wu**



**Laboratory Certification ID # 20012**



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## Cover Page

**Order ID :** Q1122

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

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

**Lab Sample Number**

Q1122-01  
Q1122-02

**Client Sample Number**

RW10A-20250116  
RW10A-F-20250116

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

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

Date: 1/30/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

## **CASE NARRATIVE**

**Tetra Tech NUS, Inc.**

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

**Project Manager: Ernie Wu**

**Chemtech Project # Q1122**

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

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

2 Water samples were received on 01/16/2025.

### **B. Parameters**

According to the Chain of Custody document, the following analyses were requested: Alkalinity, Dissolved ICP-TAL Metals, Dissolved Mercury, DISSOLVED METALS-TAL, Mercury, Metals ICP-TAL, METALS-TAL, PCB, PESTICIDE Group2, Pesticide-PCB, Pesticide-TCL, pH, Phosphorus-Total, SVOC-TCL BNA -20, TDS and TSS. This data package contains results for SVOC-TCL BNA -20.

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

The samples were analyzed on instrument BNA\_F using GC Column DB-UI 8270D which is 20 meters, 0.18 mm ID, 0.36 um dfThe 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 met criteria .

The Blank Spike for {PB166117BS} with File ID: BF141218.D met requirements for all samples except for Hexachlorocyclopentadiene[190%] but no positive hit in associated sample therefore no corrective action taken.

The Blank Spike Duplicate for {PB166117BSD} with File ID: BF141219.D met requirements for all samples except for Hexachlorocyclopentadiene[190%] but no positive hit in associated sample therefore no corrective action taken.

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

The Initial Calibration met the requirements .

The Continuous Calibration File ID BF141212.D met the requirements except for 4,6-Dinitro-2-methylphenol but no positive hit in associated sample therefore no corrective action taken.

The Tuning criteria met requirements.

**E. Additional Comments:**

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

The Form 6 is not included in the data package because the Initial Calibration was performed using 8 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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Signature\_\_\_\_\_

## **CASE NARRATIVE**

**Tetra Tech NUS, Inc.**

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

**Project Manager: Ernie Wu**

**Chemtech Project # Q1122**

**Test Name: Pesticide-TCL**

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

2 Water samples were received on 01/16/2025.

### **B. Parameters**

According to the Chain of Custody document, the following analyses were requested: Alkalinity, Dissolved ICP-TAL Metals, Dissolved Mercury, DISSOLVED METALS-TAL, Mercury, Metals ICP-TAL, METALS-TAL, PCB, PESTICIDE Group2, Pesticide-PCB, Pesticide-TCL, pH, Phosphorus-Total, SVOC-TCL BNA -20, TDS and TSS. This data package contains results for Pesticide-TCL.

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

The analysis was performed on instrument ECD\_L. The front column is ZB-MR1 which is 30 meters, 0.32 mm ID, 0.5 um df.; Catalog # 7HM-G016-17. The rear column is ZB-MR2 which is 30 meters, 0.32 mm ID, 0.25 um df, Catalog #: 7HMG017- 11. The analysis of Pesticide-TCLs was based on method 8081B 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 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 .

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

Sample# RW10A-20250116 was received with Limited volume for Pesticide, client aware of this issue, see ROC in shipping document section.

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

The not QT review data is reported in the Miscellaneous.



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

**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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Signature\_\_\_\_\_

## **CASE NARRATIVE**

**Tetra Tech NUS, Inc.**

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

**Project Manager : Ernie Wu**

**Chemtech Project # Q1122**

**Test Name: PCB**

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

2 Water samples were received on 01/16/2025.

### **B. Parameters**

According to the Chain of Custody document, the following analyses were requested: Alkalinity, Dissolved ICP-TAL Metals, Dissolved Mercury, DISSOLVED METALS-TAL, Mercury, Metals ICP-TAL, METALS-TAL, PCB, PESTICIDE Group2, Pesticide-PCB, Pesticide-TCL, pH, Phosphorus-Total, SVOC-TCL BNA -20, TDS and TSS. This data package contains results for PCB.

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

The analyses were performed on instrument GCECD\_P. The front column is ZB-MR1 which is 30 meters, 0.32 mm ID, 0.5 um df, Catalogue # 7HM-G016-17. The rear column is ZB-MR2 which is 30 meters, 0.32 mm ID, 0.25 µm; Catalogue # 7HM-G017-11. The analysis of PCBs was based on method 8082A 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 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 File ID PP069229.D met the requirements except for Aroclor-1260(Peak-04) is failing in 2nd column but it is passing for 1st column therefore no corrective action taken.

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

Sample# RW10A-20250116 was received with Limited volume for PCB, client aware of this issue, see ROC in shipping document section.



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

The laboratory cRW10A-20250116 certifies that the all-electronic diskette deliverable exactly match the data summary forms (i.e. Form Is).  
The not QT review data is reported in the Miscellaneous.

**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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Signature\_\_\_\_\_

## **CASE NARRATIVE**

**Tetra Tech NUS, Inc.**

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

**Project Manager: Ernie Wu**

**Chemtech Project # Q1122**

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

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

2 Water samples were received on 01/16/2025.

### **B. Parameters:**

According to the Chain of Custody document, the following analyses were requested: Alkalinity, Dissolved ICP-TAL Metals, Dissolved Mercury, DISSOLVED METALS-TAL, Mercury, Metals ICP-TAL, METALS-TAL, PCB, PESTICIDE Group2, Pesticide-PCB, Pesticide-TCL, pH, Phosphorus-Total, SVOC-TCL BNA -20, TDS and TSS. This data package contains results for Dissolved ICP-TAL Metals, Metals ICP-TAL, Dissolved Mercury, Mercury.

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

The analysis of Dissolved ICP-TAL Metals, Metals ICP-TAL was based on method 6010D, digestion based on method 3010 (waters). The analysis and digestion of Dissolved Mercury, 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 (RW10A-F-20250116MS) analysis met criteria for all samples except for Aluminum, Barium, Beryllium, Iron, Magnesium, Manganese, Vanadium due to matrix interference.

The Matrix Spike Duplicate (RW10A-F-20250116MSD) analysis met criteria for all samples except for Beryllium, Magnesium, Manganese due to matrix interference.

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:**

Sample Q1122-01 was analyzed as total Metals and sample Q1122-02 was analyzed as Dissolved Metals.



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Signature\_\_\_\_\_

## **CASE NARRATIVE**

**Tetra Tech NUS, Inc.**

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

**Project Manager: Ernie Wu**

**Chemtech Project # Q1122**

**Test Name: pH,Alkalinity,Phosphorus-Total,TDS,TSS**

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

2 Water samples were received on 01/16/2025.

### **B. Parameters:**

According to the Chain of Custody document, the following analyses were requested: Alkalinity, Dissolved ICP-TAL Metals, Dissolved Mercury, DISSOLVED METALS-TAL, Mercury, Metals ICP-TAL, METALS-TAL, PCB, PESTICIDE Group2, Pesticide-PCB, Pesticide-TCL, pH, Phosphorus-Total, SVOC-TCL BNA -20, TDS and TSS. This data package contains results for pH,Alkalinity,Phosphorus-Total,TDS,TSS.

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

The analysis of Phosphorus-Total was based on method 365.3, The analysis of pH was based on method 9040C, The analysis of Alkalinity was based on method SM2320 B, The analysis of TDS was based on method SM2540 C and The analysis of TSS was based on method SM2540 D.

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

The Holding Times were met for all samples except for RW10A-20250116 of pH, as this sample received out of hold.

The Blank Spike met requirements for all samples.

The Duplicate analysis met criteria for all samples.

The Matrix Spike analysis met criteria for all samples.

The Matrix Spike Duplicate analysis met criteria for all samples.

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

The Calibration met the requirements.

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

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

---

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed



above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature\_\_\_\_\_

## DATA REPORTING QUALIFIERS- INORGANIC

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

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

## 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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| U     | 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.                                                                                                                                                                                                                                                                                      |
| ND    | Indicates the analyte was analyzed for, but not detected                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| J     | 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     | Indicates the analyte was found in the blank as well as the sample report as “12 B”.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| E     | Indicates the analyte ‘s concentration exceeds the calibrated range of the instrument for that specific analysis.                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| D     | This flag identifies all compounds identified in an analysis at a secondary dilution factor.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| P     | 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”.                                                                                                                                                                                                                                                                                                                                                                             |
| N     | 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.                                                                                                                                                                                                                                                                       |
| A     | This flag indicates that a Tentatively Identified Compound is a suspected aldol-condensation product.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Q     | Indicates the LCS did not meet the control limits requirements                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |

## APPENDIX A

### QA REVIEW GENERAL DOCUMENTATION

Project #: Q1122

Completed

For thorough review, the report must have the following:

#### GENERAL:

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

✓

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

✓

Is the chain of custody signed and complete

✓

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

✓

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

✓

#### COVER PAGE:

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

✓

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

✓

#### CHAIN OF CUSTODY:

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

✓

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

✓

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

✓

Were the samples received within hold time

✓

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

✓

#### ANALYTICAL:

Was method requirement followed?

✓

Was client requirement followed?

✓

Does the case narrative summarize all QC failure?

✓

All runlogs and manual integration are reviewed for requirements

✓

All manual calculations and /or hand notations verified

✓

QA Review Signature: SOHIL JODHANI

Date: 01/30/2025

## LAB CHRONICLE

|                 |                      |                   |                               |
|-----------------|----------------------|-------------------|-------------------------------|
| <b>OrderID:</b> | Q1122                | <b>OrderDate:</b> | 1/17/2025 8:43:00 AM          |
| <b>Client:</b>  | Tetra Tech NUS, Inc. | <b>Project:</b>   | NWIRP Bethpage 112G08005-WE13 |
| <b>Contact:</b> | Ernie Wu             | <b>Location:</b>  | E11,M11                       |

| LabID    | ClientID       | Matrix | Test             | Method | Sample Date | Prep Date | Anal Date | Received |
|----------|----------------|--------|------------------|--------|-------------|-----------|-----------|----------|
| Q1122-01 | RW10A-20250116 | Water  | SVOC-TCL BNA -20 | 8270E  | 01/16/25    | 01/17/25  | 01/20/25  | 01/16/25 |

## 5

C

**D**

**F**

**G**



# SAMPLE DATA

## Report of Analysis

|                    |                               |                 |                  |
|--------------------|-------------------------------|-----------------|------------------|
| Client:            | Tetra Tech NUS, Inc.          | Date Collected: | 01/16/25         |
| Project:           | NWIRP Bethpage 112G08005-WE13 | Date Received:  | 01/16/25         |
| Client Sample ID:  | RW10A-20250116                | SDG No.:        | Q1122            |
| Lab Sample ID:     | Q1122-01                      | Matrix:         | Water            |
| Analytical Method: | SW8270                        | % Solid:        | 0                |
| Sample Wt/Vol:     | 990 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 |
| BF141221.D        | 1         | 01/17/25 11:40 | 01/20/25 14:39 | PB166117      |

| CAS Number     | Parameter                   | Conc. | Qualifier | MDL  | LOD  | LOQ / CRQL | Units |
|----------------|-----------------------------|-------|-----------|------|------|------------|-------|
| <b>TARGETS</b> |                             |       |           |      |      |            |       |
| 100-52-7       | Benzaldehyde                | 8.10  | U         | 4.00 | 8.10 | 10.1       | ug/L  |
| 108-95-2       | Phenol                      | 4.00  | U         | 0.94 | 4.00 | 5.10       | ug/L  |
| 111-44-4       | bis(2-Chloroethyl)ether     | 4.00  | U         | 1.20 | 4.00 | 5.10       | ug/L  |
| 95-57-8        | 2-Chlorophenol              | 4.00  | U         | 0.72 | 4.00 | 5.10       | ug/L  |
| 95-48-7        | 2-Methylphenol              | 4.00  | U         | 1.10 | 4.00 | 5.10       | ug/L  |
| 108-60-1       | 2,2-oxybis(1-Chloropropane) | 4.00  | U         | 1.40 | 4.00 | 5.10       | ug/L  |
| 98-86-2        | Acetophenone                | 4.00  | U         | 1.10 | 4.00 | 5.10       | ug/L  |
| 65794-96-9     | 3+4-Methylphenols           | 8.10  | U         | 1.20 | 8.10 | 10.1       | ug/L  |
| 621-64-7       | n-Nitroso-di-n-propylamine  | 2.50  | U         | 1.50 | 2.50 | 2.50       | ug/L  |
| 67-72-1        | Hexachloroethane            | 4.00  | U         | 1.00 | 4.00 | 5.10       | ug/L  |
| 98-95-3        | Nitrobenzene                | 4.00  | U         | 1.30 | 4.00 | 5.10       | ug/L  |
| 78-59-1        | Isophorone                  | 4.00  | U         | 1.20 | 4.00 | 5.10       | ug/L  |
| 88-75-5        | 2-Nitrophenol               | 4.00  | U         | 2.00 | 4.00 | 5.10       | ug/L  |
| 105-67-9       | 2,4-Dimethylphenol          | 4.00  | U         | 1.50 | 4.00 | 5.10       | ug/L  |
| 111-91-1       | bis(2-Chloroethoxy)methane  | 4.00  | U         | 1.00 | 4.00 | 5.10       | ug/L  |
| 120-83-2       | 2,4-Dichlorophenol          | 4.00  | U         | 0.89 | 4.00 | 5.10       | ug/L  |
| 91-20-3        | Naphthalene                 | 4.00  | U         | 1.00 | 4.00 | 5.10       | ug/L  |
| 106-47-8       | 4-Chloroaniline             | 4.00  | U         | 1.30 | 4.00 | 5.10       | ug/L  |
| 87-68-3        | Hexachlorobutadiene         | 4.00  | U         | 1.30 | 4.00 | 5.10       | ug/L  |
| 105-60-2       | Caprolactam                 | 8.10  | U         | 1.70 | 8.10 | 10.1       | ug/L  |
| 59-50-7        | 4-Chloro-3-methylphenol     | 4.00  | U         | 0.85 | 4.00 | 5.10       | ug/L  |
| 91-57-6        | 2-Methylnaphthalene         | 4.00  | U         | 1.10 | 4.00 | 5.10       | ug/L  |
| 77-47-4        | Hexachlorocyclopentadiene   | 8.10  | UQ        | 5.10 | 8.10 | 10.1       | ug/L  |
| 88-06-2        | 2,4,6-Trichlorophenol       | 4.00  | U         | 0.90 | 4.00 | 5.10       | ug/L  |
| 95-95-4        | 2,4,5-Trichlorophenol       | 4.00  | U         | 1.00 | 4.00 | 5.10       | ug/L  |
| 92-52-4        | 1,1-Biphenyl                | 4.00  | U         | 0.92 | 4.00 | 5.10       | ug/L  |
| 91-58-7        | 2-Chloronaphthalene         | 4.00  | U         | 0.98 | 4.00 | 5.10       | ug/L  |
| 88-74-4        | 2-Nitroaniline              | 4.00  | U         | 1.40 | 4.00 | 5.10       | ug/L  |
| 131-11-3       | Dimethylphthalate           | 4.00  | U         | 0.94 | 4.00 | 5.10       | ug/L  |

## Report of Analysis

|                    |                               |                  |                 |                  |      |
|--------------------|-------------------------------|------------------|-----------------|------------------|------|
| Client:            | Tetra Tech NUS, Inc.          |                  | Date Collected: | 01/16/25         |      |
| Project:           | NWIRP Bethpage 112G08005-WE13 |                  | Date Received:  | 01/16/25         |      |
| Client Sample ID:  | RW10A-20250116                |                  | SDG No.:        | Q1122            |      |
| Lab Sample ID:     | Q1122-01                      |                  | Matrix:         | Water            |      |
| Analytical Method: | SW8270                        |                  | % Solid:        | 0                |      |
| Sample Wt/Vol:     | 990                           | 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 |
| BF141221.D        | 1         | 01/17/25 11:40 | 01/20/25 14:39 | PB166117      |

| CAS Number | Parameter                  | Conc. | Qualifier | MDL  | LOD  | LOQ / CRQL | Units |
|------------|----------------------------|-------|-----------|------|------|------------|-------|
| 208-96-8   | Acenaphthylene             | 4.00  | U         | 1.10 | 4.00 | 5.10       | ug/L  |
| 606-20-2   | 2,6-Dinitrotoluene         | 4.00  | U         | 1.30 | 4.00 | 5.10       | ug/L  |
| 99-09-2    | 3-Nitroaniline             | 4.00  | U         | 1.40 | 4.00 | 5.10       | ug/L  |
| 83-32-9    | Acenaphthene               | 4.00  | U         | 0.82 | 4.00 | 5.10       | ug/L  |
| 51-28-5    | 2,4-Dinitrophenol          | 8.10  | U         | 6.50 | 8.10 | 10.1       | ug/L  |
| 100-02-7   | 4-Nitrophenol              | 8.10  | U         | 2.00 | 8.10 | 10.1       | ug/L  |
| 132-64-9   | Dibenzofuran               | 4.00  | U         | 0.94 | 4.00 | 5.10       | ug/L  |
| 121-14-2   | 2,4-Dinitrotoluene         | 4.00  | U         | 1.50 | 4.00 | 5.10       | ug/L  |
| 84-66-2    | Diethylphthalate           | 4.00  | U         | 1.10 | 4.00 | 5.10       | ug/L  |
| 7005-72-3  | 4-Chlorophenyl-phenylether | 4.00  | U         | 0.99 | 4.00 | 5.10       | ug/L  |
| 86-73-7    | Fluorene                   | 4.00  | U         | 0.97 | 4.00 | 5.10       | ug/L  |
| 100-01-6   | 4-Nitroaniline             | 4.00  | U         | 2.10 | 4.00 | 5.10       | ug/L  |
| 534-52-1   | 4,6-Dinitro-2-methylphenol | 8.10  | U         | 3.10 | 8.10 | 10.1       | ug/L  |
| 86-30-6    | n-Nitrosodiphenylamine     | 4.00  | U         | 0.90 | 4.00 | 5.10       | ug/L  |
| 101-55-3   | 4-Bromophenyl-phenylether  | 4.00  | U         | 0.96 | 4.00 | 5.10       | ug/L  |
| 118-74-1   | Hexachlorobenzene          | 4.00  | U         | 1.20 | 4.00 | 5.10       | ug/L  |
| 1912-24-9  | Atrazine                   | 4.00  | U         | 1.30 | 4.00 | 5.10       | ug/L  |
| 87-86-5    | Pentachlorophenol          | 8.10  | U         | 1.90 | 8.10 | 10.1       | ug/L  |
| 85-01-8    | Phenanthrene               | 4.00  | U         | 0.90 | 4.00 | 5.10       | ug/L  |
| 120-12-7   | Anthracene                 | 4.00  | U         | 1.10 | 4.00 | 5.10       | ug/L  |
| 86-74-8    | Carbazole                  | 4.00  | U         | 1.20 | 4.00 | 5.10       | ug/L  |
| 84-74-2    | Di-n-butylphthalate        | 4.00  | U         | 1.50 | 4.00 | 5.10       | ug/L  |
| 206-44-0   | Fluoranthene               | 4.00  | U         | 1.30 | 4.00 | 5.10       | ug/L  |
| 129-00-0   | Pyrene                     | 4.00  | U         | 1.10 | 4.00 | 5.10       | ug/L  |
| 85-68-7    | Butylbenzylphthalate       | 4.00  | U         | 2.10 | 4.00 | 5.10       | ug/L  |
| 91-94-1    | 3,3-Dichlorobenzidine      | 8.10  | U         | 1.30 | 8.10 | 10.1       | ug/L  |
| 56-55-3    | Benzo(a)anthracene         | 4.00  | U         | 0.95 | 4.00 | 5.10       | ug/L  |
| 218-01-9   | Chrysene                   | 4.00  | U         | 0.87 | 4.00 | 5.10       | ug/L  |
| 117-81-7   | Bis(2-ethylhexyl)phthalate | 4.00  | U         | 1.90 | 4.00 | 5.10       | ug/L  |
| 117-84-0   | Di-n-octyl phthalate       | 8.10  | U         | 2.50 | 8.10 | 10.1       | ug/L  |
| 205-99-2   | Benzo(b)fluoranthene       | 4.00  | U         | 1.20 | 4.00 | 5.10       | ug/L  |

## Report of Analysis

|                    |                               |                  |                 |                  |      |
|--------------------|-------------------------------|------------------|-----------------|------------------|------|
| Client:            | Tetra Tech NUS, Inc.          |                  | Date Collected: | 01/16/25         |      |
| Project:           | NWIRP Bethpage 112G08005-WE13 |                  | Date Received:  | 01/16/25         |      |
| Client Sample ID:  | RW10A-20250116                |                  | SDG No.:        | Q1122            |      |
| Lab Sample ID:     | Q1122-01                      |                  | Matrix:         | Water            |      |
| Analytical Method: | SW8270                        |                  | % Solid:        | 0                |      |
| Sample Wt/Vol:     | 990                           | 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 |
| BF141221.D        | 1         | 01/17/25 11:40 | 01/20/25 14:39 | PB166117      |

| CAS Number                            | Parameter                        | Conc.  | Qualifier | MDL      | LOD  | LOQ / CRQL | Units    |
|---------------------------------------|----------------------------------|--------|-----------|----------|------|------------|----------|
| 207-08-9                              | Benzo(k)fluoranthene             | 4.00   | U         | 1.20     | 4.00 | 5.10       | ug/L     |
| 50-32-8                               | Benzo(a)pyrene                   | 4.00   | U         | 1.70     | 4.00 | 5.10       | ug/L     |
| 193-39-5                              | Indeno(1,2,3-cd)pyrene           | 4.00   | U         | 1.00     | 4.00 | 5.10       | ug/L     |
| 53-70-3                               | Dibenzo(a,h)anthracene           | 4.00   | U         | 1.20     | 4.00 | 5.10       | ug/L     |
| 191-24-2                              | Benzo(g,h,i)perylene             | 4.00   | U         | 1.20     | 4.00 | 5.10       | ug/L     |
| 95-94-3                               | 1,2,4,5-Tetrachlorobenzene       | 4.00   | U         | 1.10     | 4.00 | 5.10       | ug/L     |
| 123-91-1                              | 1,4-Dioxane                      | 4.00   | U         | 1.30     | 4.00 | 5.10       | ug/L     |
| 58-90-2                               | 2,3,4,6-Tetrachlorophenol        | 4.00   | U         | 0.80     | 4.00 | 5.10       | ug/L     |
| <b>SURROGATES</b>                     |                                  |        |           |          |      |            |          |
| 367-12-4                              | 2-Fluorophenol                   | 51.2   |           | 19 - 119 |      | 34%        | SPK: 150 |
| 13127-88-3                            | Phenol-d6                        | 30.6   |           | 10 - 130 |      | 20%        | SPK: 150 |
| 4165-60-0                             | Nitrobenzene-d5                  | 86.1   |           | 44 - 120 |      | 86%        | SPK: 100 |
| 321-60-8                              | 2-Fluorobiphenyl                 | 88.3   |           | 44 - 119 |      | 88%        | SPK: 100 |
| 118-79-6                              | 2,4,6-Tribromophenol             | 161    |           | 43 - 140 |      | 107%       | SPK: 150 |
| 1718-51-0                             | Terphenyl-d14                    | 80.4   |           | 50 - 134 |      | 80%        | SPK: 100 |
| <b>INTERNAL STANDARDS</b>             |                                  |        |           |          |      |            |          |
| 3855-82-1                             | 1,4-Dichlorobenzene-d4           | 158000 | 6.81      |          |      |            |          |
| 1146-65-2                             | Naphthalene-d8                   | 630000 | 8.092     |          |      |            |          |
| 15067-26-2                            | Acenaphthene-d10                 | 341000 | 9.845     |          |      |            |          |
| 1517-22-2                             | Phenanthrene-d10                 | 587000 | 11.327    |          |      |            |          |
| 1719-03-5                             | Chrysene-d12                     | 417000 | 13.968    |          |      |            |          |
| 1520-96-3                             | Perylene-d12                     | 333000 | 15.427    |          |      |            |          |
| <b>TENTATIVE IDENTIFIED COMPOUNDS</b> |                                  |        |           |          |      |            |          |
| 000123-42-2                           | 2-Pentanone, 4-hydroxy-4-methyl- | 3.70   | AB        |          |      | 5.01       | ug/L     |

## Report of Analysis

|                    |                               |                  |                 |                  |
|--------------------|-------------------------------|------------------|-----------------|------------------|
| Client:            | Tetra Tech NUS, Inc.          |                  | Date Collected: | 01/16/25         |
| Project:           | NWIRP Bethpage 112G08005-WE13 |                  | Date Received:  | 01/16/25         |
| Client Sample ID:  | RW10A-20250116                |                  | SDG No.:        | Q1122            |
| Lab Sample ID:     | Q1122-01                      |                  | Matrix:         | Water            |
| Analytical Method: | SW8270                        |                  | % Solid:        | 0                |
| Sample Wt/Vol:     | 990                           | 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 |
| BF141221.D        | 1         | 01/17/25 11:40 | 01/20/25 14:39 | PB166117      |

| 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.: Q1122

Client: Tetra Tech NUS, Inc.

Analytical Method: 8270E

| Lab Sample ID | Client ID      | Parameter            | Spike (PPM) | Result (PPM) | Recovery (%) | Qual | Limits (%) |      |
|---------------|----------------|----------------------|-------------|--------------|--------------|------|------------|------|
|               |                |                      |             |              |              |      | Low        | High |
| PB166117BL    | PB166117BL     | 2-Fluorophenol       | 150         | 144          | 96           |      | 19         | 119  |
|               |                | Phenol-d6            | 150         | 141          | 94           |      | 10         | 130  |
|               |                | Nitrobenzene-d5      | 100         | 97.8         | 98           |      | 44         | 120  |
|               |                | 2-Fluorobiphenyl     | 100         | 98.6         | 99           |      | 44         | 119  |
|               |                | 2,4,6-Tribromophenol | 150         | 162          | 108          |      | 43         | 140  |
|               |                | Terphenyl-d14        | 100         | 92.3         | 92           |      | 50         | 134  |
| PB166117BS    | PB166117BS     | 2-Fluorophenol       | 150         | 136          | 91           |      | 19         | 119  |
|               |                | Phenol-d6            | 150         | 135          | 90           |      | 10         | 130  |
|               |                | Nitrobenzene-d5      | 100         | 94.7         | 95           |      | 44         | 120  |
|               |                | 2-Fluorobiphenyl     | 100         | 95.4         | 95           |      | 44         | 119  |
|               |                | 2,4,6-Tribromophenol | 150         | 157          | 105          |      | 43         | 140  |
|               |                | Terphenyl-d14        | 100         | 96.5         | 97           |      | 50         | 134  |
| PB166117BSD   | PB166117BSD    | 2-Fluorophenol       | 150         | 134          | 90           |      | 19         | 119  |
|               |                | Phenol-d6            | 150         | 135          | 90           |      | 10         | 130  |
|               |                | Nitrobenzene-d5      | 100         | 96.2         | 96           |      | 44         | 120  |
|               |                | 2-Fluorobiphenyl     | 100         | 96.2         | 96           |      | 44         | 119  |
|               |                | 2,4,6-Tribromophenol | 150         | 160          | 106          |      | 43         | 140  |
|               |                | Terphenyl-d14        | 100         | 99.3         | 99           |      | 50         | 134  |
| Q1122-01      | RW10A-20250116 | 2-Fluorophenol       | 150         | 51.2         | 34           |      | 19         | 119  |
|               |                | Phenol-d6            | 150         | 30.6         | 20           |      | 10         | 130  |
|               |                | Nitrobenzene-d5      | 100         | 86.1         | 86           |      | 44         | 120  |
|               |                | 2-Fluorobiphenyl     | 100         | 88.3         | 88           |      | 44         | 119  |
|               |                | 2,4,6-Tribromophenol | 150         | 161          | 107          |      | 43         | 140  |
|               |                | Terphenyl-d14        | 100         | 80.4         | 80           |      | 50         | 134  |

## Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1122

Client: Tetra Tech NUS, Inc.

Analytical Method: 8270E

DataFile: BF141218.D

| Lab Sample ID | Parameter                   | Spike | Result | Unit | Rec | RPD | Qual | RPD  | Limits |      | RPD |
|---------------|-----------------------------|-------|--------|------|-----|-----|------|------|--------|------|-----|
|               |                             |       |        |      |     |     |      | Qual | Low    | High |     |
| PB166117BS    | Benzaldehyde                | 50    | 8.30   | ug/L | 17  |     |      |      | 10     | 161  |     |
|               | Phenol                      | 50    | 48.5   | ug/L | 97  |     |      |      | 10     | 132  |     |
|               | bis(2-Chloroethyl)ether     | 50    | 49.2   | ug/L | 98  |     |      |      | 43     | 118  |     |
|               | 2-Chlorophenol              | 50    | 51.1   | ug/L | 102 |     |      |      | 38     | 117  |     |
|               | 2-Methylphenol              | 50    | 50.7   | ug/L | 101 |     |      |      | 30     | 117  |     |
|               | 2,2-oxybis(1-Chloropropane) | 50    | 47.1   | ug/L | 94  |     |      |      | 37     | 130  |     |
|               | Acetophenone                | 50    | 47.8   | ug/L | 96  |     |      |      | 46     | 118  |     |
|               | 3+4-Methylphenols           | 50    | 48.4   | ug/L | 97  |     |      |      | 29     | 110  |     |
|               | N-Nitroso-di-n-propylamine  | 50    | 49.2   | ug/L | 98  |     |      |      | 49     | 119  |     |
|               | Hexachloroethane            | 50    | 48.5   | ug/L | 97  |     |      |      | 21     | 115  |     |
|               | Nitrobenzene                | 50    | 45.7   | ug/L | 91  |     |      |      | 45     | 121  |     |
|               | Isophorone                  | 50    | 49.4   | ug/L | 99  |     |      |      | 42     | 124  |     |
|               | 2-Nitrophenol               | 50    | 51.8   | ug/L | 104 |     |      |      | 47     | 123  |     |
|               | 2,4-Dimethylphenol          | 50    | 58.3   | ug/L | 117 |     |      |      | 31     | 124  |     |
|               | bis(2-Chloroethoxy)methane  | 50    | 48.3   | ug/L | 97  |     |      |      | 48     | 120  |     |
|               | 2,4-Dichlorophenol          | 50    | 50.3   | ug/L | 101 |     |      |      | 47     | 121  |     |
|               | Naphthalene                 | 50    | 47.4   | ug/L | 95  |     |      |      | 40     | 121  |     |
|               | 4-Chloroaniline             | 50    | 18.2   | ug/L | 36  |     |      |      | 33     | 117  |     |
|               | Hexachlorobutadiene         | 50    | 47.2   | ug/L | 94  |     |      |      | 22     | 124  |     |
|               | Caprolactam                 | 50    | 47.5   | ug/L | 95  |     |      |      | 10     | 161  |     |
|               | 4-Chloro-3-methylphenol     | 50    | 49.8   | ug/L | 100 |     |      |      | 52     | 119  |     |
|               | 2-Methylnaphthalene         | 50    | 48.5   | ug/L | 97  |     |      |      | 40     | 121  |     |
|               | Hexachlorocyclopentadiene   | 100   | 190    | ug/L | 190 |     | *    |      | 10     | 155  |     |
|               | 2,4,6-Trichlorophenol       | 50    | 51.3   | ug/L | 103 |     |      |      | 50     | 125  |     |
|               | 2,4,5-Trichlorophenol       | 50    | 49.2   | ug/L | 98  |     |      |      | 53     | 123  |     |
|               | 1,1-Biphenyl                | 50    | 48.8   | ug/L | 98  |     |      |      | 49     | 115  |     |
|               | 2-Chloronaphthalene         | 50    | 47.0   | ug/L | 94  |     |      |      | 40     | 116  |     |
|               | 2-Nitroaniline              | 50    | 49.2   | ug/L | 98  |     |      |      | 55     | 127  |     |
|               | Dimethylphthalate           | 50    | 50.0   | ug/L | 100 |     |      |      | 45     | 127  |     |
|               | Acenaphthylene              | 50    | 51.3   | ug/L | 103 |     |      |      | 41     | 130  |     |
|               | 2,6-Dinitrotoluene          | 50    | 48.7   | ug/L | 97  |     |      |      | 57     | 124  |     |
|               | 3-Nitroaniline              | 50    | 30.0   | ug/L | 60  |     |      |      | 41     | 128  |     |
|               | Acenaphthene                | 50    | 55.1   | ug/L | 110 |     |      |      | 47     | 122  |     |
|               | 2,4-Dinitrophenol           | 100   | 120    | ug/L | 120 |     |      |      | 23     | 143  |     |
|               | 4-Nitrophenol               | 100   | 100    | ug/L | 100 |     |      |      | 10     | 161  |     |
|               | Dibenzofuran                | 50    | 48.8   | ug/L | 98  |     |      |      | 53     | 118  |     |
|               | 2,4-Dinitrotoluene          | 50    | 51.6   | ug/L | 103 |     |      |      | 57     | 128  |     |
|               | Diethylphthalate            | 50    | 49.5   | ug/L | 99  |     |      |      | 56     | 125  |     |
|               | 4-Chlorophenyl-phenylether  | 50    | 49.0   | ug/L | 98  |     |      |      | 53     | 121  |     |
|               | Fluorene                    | 50    | 49.0   | ug/L | 98  |     |      |      | 52     | 124  |     |
|               | 4-Nitroaniline              | 50    | 49.6   | ug/L | 99  |     |      |      | 35     | 120  |     |
|               | 4,6-Dinitro-2-methylphenol  | 50    | 60.4   | ug/L | 121 |     |      |      | 44     | 137  |     |
|               | N-Nitrosodiphenylamine      | 50    | 50.4   | ug/L | 101 |     |      |      | 51     | 123  |     |
|               | 4-Bromophenyl-phenylether   | 50    | 50.9   | ug/L | 102 |     |      |      | 55     | 124  |     |

## Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1122

Client: Tetra Tech NUS, Inc.

Analytical Method: 8270E

DataFile: BF141218.D

| Lab Sample ID | Parameter                  | Spike | Result | Unit | Rec | RPD | Qual | RPD  | Limits |      | RPD |
|---------------|----------------------------|-------|--------|------|-----|-----|------|------|--------|------|-----|
|               |                            |       |        |      |     |     |      | Qual | Low    | High |     |
| PB166117BS    | Hexachlorobenzene          | 50    | 51.4   | ug/L | 103 |     |      |      | 53     | 125  |     |
|               | Atrazine                   | 50    | 64.3   | ug/L | 129 |     |      |      | 44     | 142  |     |
|               | Pentachlorophenol          | 100   | 100    | ug/L | 100 |     |      |      | 35     | 138  |     |
|               | Phenanthrene               | 50    | 51.6   | ug/L | 103 |     |      |      | 59     | 120  |     |
|               | Anthracene                 | 50    | 53.6   | ug/L | 107 |     |      |      | 57     | 123  |     |
|               | Carbazole                  | 50    | 51.3   | ug/L | 103 |     |      |      | 60     | 122  |     |
|               | Di-n-butylphthalate        | 50    | 52.2   | ug/L | 104 |     |      |      | 59     | 127  |     |
|               | Fluoranthene               | 50    | 53.3   | ug/L | 107 |     |      |      | 57     | 128  |     |
|               | Pyrene                     | 50    | 46.0   | ug/L | 92  |     |      |      | 57     | 126  |     |
|               | Butylbenzylphthalate       | 50    | 53.8   | ug/L | 108 |     |      |      | 53     | 134  |     |
|               | 3,3-Dichlorobenzidine      | 50    | 29.2   | ug/L | 58  |     |      |      | 27     | 129  |     |
|               | Benzo(a)anthracene         | 50    | 47.4   | ug/L | 95  |     |      |      | 58     | 125  |     |
|               | Chrysene                   | 50    | 49.7   | ug/L | 99  |     |      |      | 59     | 123  |     |
|               | bis(2-Ethylhexyl)phthalate | 50    | 54.2   | ug/L | 108 |     |      |      | 55     | 135  |     |
|               | Di-n-octyl phthalate       | 50    | 53.3   | ug/L | 107 |     |      |      | 51     | 140  |     |
|               | Benzo(b)fluoranthene       | 50    | 54.7   | ug/L | 109 |     |      |      | 53     | 131  |     |
|               | Benzo(k)fluoranthene       | 50    | 49.8   | ug/L | 100 |     |      |      | 57     | 129  |     |
|               | Benzo(a)pyrene             | 50    | 55.2   | ug/L | 110 |     |      |      | 54     | 128  |     |
|               | Indeno(1,2,3-cd)pyrene     | 50    | 49.4   | ug/L | 99  |     |      |      | 52     | 134  |     |
|               | Dibenz(a,h)anthracene      | 50    | 48.8   | ug/L | 98  |     |      |      | 51     | 134  |     |
|               | Benzo(g,h,i)perylene       | 50    | 44.9   | ug/L | 90  |     |      |      | 50     | 134  |     |
|               | 1,2,4,5-Tetrachlorobenzene | 50    | 49.3   | ug/L | 99  |     |      |      | 35     | 121  |     |
|               | 1,4-Dioxane                | 50    | 41.3   | ug/L | 83  |     |      |      | 70     | 130  |     |
|               | 2,3,4,6-Tetrachlorophenol  | 50    | 51.8   | ug/L | 104 |     |      |      | 50     | 128  |     |

## Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1122

Client: Tetra Tech NUS, Inc.

Analytical Method: 8270E

DataFile: BF141219.D

| Lab Sample ID | Parameter                   | Spike | Result | Unit | Rec | RPD | RPD  |      | Limits |      | RPD |
|---------------|-----------------------------|-------|--------|------|-----|-----|------|------|--------|------|-----|
|               |                             |       |        |      |     |     | Qual | Qual | Low    | High |     |
| PB166117BSD   | Benzaldehyde                | 50    | 8.20   | ug/L | 16  | 1   |      |      | 10     | 161  | 20  |
|               | Phenol                      | 50    | 47.7   | ug/L | 95  | 2   |      |      | 10     | 132  | 20  |
|               | bis(2-Chloroethyl)ether     | 50    | 48.2   | ug/L | 96  | 2   |      |      | 43     | 118  | 20  |
|               | 2-Chlorophenol              | 50    | 51.1   | ug/L | 102 | 0   |      |      | 38     | 117  | 20  |
|               | 2-Methylphenol              | 50    | 50.5   | ug/L | 101 | 0   |      |      | 30     | 117  | 20  |
|               | 2,2-oxybis(1-Chloropropane) | 50    | 46.7   | ug/L | 93  | 1   |      |      | 37     | 130  | 20  |
|               | Acetophenone                | 50    | 48.3   | ug/L | 97  | 1   |      |      | 46     | 118  | 20  |
|               | 3+4-Methylphenols           | 50    | 47.8   | ug/L | 96  | 1   |      |      | 29     | 110  | 20  |
|               | N-Nitroso-di-n-propylamine  | 50    | 48.4   | ug/L | 97  | 2   |      |      | 49     | 119  | 20  |
|               | Hexachloroethane            | 50    | 47.8   | ug/L | 96  | 1   |      |      | 21     | 115  | 20  |
|               | Nitrobenzene                | 50    | 46.1   | ug/L | 92  | 1   |      |      | 45     | 121  | 20  |
|               | Isophorone                  | 50    | 50.4   | ug/L | 101 | 2   |      |      | 42     | 124  | 20  |
|               | 2-Nitrophenol               | 50    | 53.3   | ug/L | 107 | 3   |      |      | 47     | 123  | 20  |
|               | 2,4-Dimethylphenol          | 50    | 59.3   | ug/L | 119 | 2   |      |      | 31     | 124  | 20  |
|               | bis(2-Chloroethoxy)methane  | 50    | 48.9   | ug/L | 98  | 1   |      |      | 48     | 120  | 20  |
|               | 2,4-Dichlorophenol          | 50    | 50.9   | ug/L | 102 | 1   |      |      | 47     | 121  | 20  |
|               | Naphthalene                 | 50    | 48.1   | ug/L | 96  | 1   |      |      | 40     | 121  | 20  |
|               | 4-Chloroaniline             | 50    | 16.8   | ug/L | 34  | 8   |      |      | 33     | 117  | 20  |
|               | Hexachlorobutadiene         | 50    | 48.5   | ug/L | 97  | 3   |      |      | 22     | 124  | 20  |
|               | Caprolactam                 | 50    | 50.8   | ug/L | 102 | 7   |      |      | 10     | 161  | 20  |
|               | 4-Chloro-3-methylphenol     | 50    | 50.9   | ug/L | 102 | 2   |      |      | 52     | 119  | 20  |
|               | 2-Methylnaphthalene         | 50    | 49.6   | ug/L | 99  | 2   |      |      | 40     | 121  | 20  |
|               | Hexachlorocyclopentadiene   | 100   | 190    | ug/L | 190 | 0   | *    |      | 10     | 155  | 20  |
|               | 2,4,6-Trichlorophenol       | 50    | 52.5   | ug/L | 105 | 2   |      |      | 50     | 125  | 20  |
|               | 2,4,5-Trichlorophenol       | 50    | 50.4   | ug/L | 101 | 2   |      |      | 53     | 123  | 20  |
|               | 1,1-Biphenyl                | 50    | 48.9   | ug/L | 98  | 0   |      |      | 49     | 115  | 20  |
|               | 2-Chloronaphthalene         | 50    | 47.6   | ug/L | 95  | 1   |      |      | 40     | 116  | 20  |
|               | 2-Nitroaniline              | 50    | 49.5   | ug/L | 99  | 1   |      |      | 55     | 127  | 20  |
|               | Dimethylphthalate           | 50    | 50.3   | ug/L | 101 | 1   |      |      | 45     | 127  | 20  |
|               | Acenaphthylene              | 50    | 52.1   | ug/L | 104 | 2   |      |      | 41     | 130  | 20  |
|               | 2,6-Dinitrotoluene          | 50    | 48.7   | ug/L | 97  | 0   |      |      | 57     | 124  | 20  |
|               | 3-Nitroaniline              | 50    | 29.4   | ug/L | 59  | 2   |      |      | 41     | 128  | 20  |
|               | Acenaphthene                | 50    | 55.9   | ug/L | 112 | 1   |      |      | 47     | 122  | 20  |
|               | 2,4-Dinitrophenol           | 100   | 120    | ug/L | 120 | 0   |      |      | 23     | 143  | 20  |
|               | 4-Nitrophenol               | 100   | 100    | ug/L | 100 | 0   |      |      | 10     | 161  | 20  |
|               | Dibenzofuran                | 50    | 49.6   | ug/L | 99  | 2   |      |      | 53     | 118  | 20  |
|               | 2,4-Dinitrotoluene          | 50    | 51.7   | ug/L | 103 | 0   |      |      | 57     | 128  | 20  |
|               | Diethylphthalate            | 50    | 49.8   | ug/L | 100 | 1   |      |      | 56     | 125  | 20  |
|               | 4-Chlorophenyl-phenylether  | 50    | 49.4   | ug/L | 99  | 1   |      |      | 53     | 121  | 20  |
|               | Fluorene                    | 50    | 49.3   | ug/L | 99  | 1   |      |      | 52     | 124  | 20  |
|               | 4-Nitroaniline              | 50    | 51.2   | ug/L | 102 | 3   |      |      | 35     | 120  | 20  |
|               | 4,6-Dinitro-2-methylphenol  | 50    | 60.8   | ug/L | 122 | 1   |      |      | 44     | 137  | 20  |
|               | N-Nitrosodiphenylamine      | 50    | 50.2   | ug/L | 100 | 0   |      |      | 51     | 123  | 20  |
|               | 4-Bromophenyl-phenylether   | 50    | 51.2   | ug/L | 102 | 1   |      |      | 55     | 124  | 20  |

## Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1122

Client: Tetra Tech NUS, Inc.

Analytical Method: 8270E

DataFile: BF141219.D

| Lab Sample ID | Parameter                  | Spike | Result | Unit | Rec | RPD | RPD  |      | Limits |      | RPD |
|---------------|----------------------------|-------|--------|------|-----|-----|------|------|--------|------|-----|
|               |                            |       |        |      |     |     | Qual | Qual | Low    | High |     |
| PB166117BSD   | Hexachlorobenzene          | 50    | 51.6   | ug/L | 103 | 0   |      |      | 53     | 125  | 20  |
|               | Atrazine                   | 50    | 63.9   | ug/L | 128 | 1   |      |      | 44     | 142  | 20  |
|               | Pentachlorophenol          | 100   | 100    | ug/L | 100 | 0   |      |      | 35     | 138  | 20  |
|               | Phenanthrene               | 50    | 51.6   | ug/L | 103 | 0   |      |      | 59     | 120  | 20  |
|               | Anthracene                 | 50    | 54.1   | ug/L | 108 | 1   |      |      | 57     | 123  | 20  |
|               | Carbazole                  | 50    | 51.7   | ug/L | 103 | 1   |      |      | 60     | 122  | 20  |
|               | Di-n-butylphthalate        | 50    | 51.5   | ug/L | 103 | 1   |      |      | 59     | 127  | 20  |
|               | Fluoranthene               | 50    | 53.3   | ug/L | 107 | 0   |      |      | 57     | 128  | 20  |
|               | Pyrene                     | 50    | 48.0   | ug/L | 96  | 4   |      |      | 57     | 126  | 20  |
|               | Butylbenzylphthalate       | 50    | 54.8   | ug/L | 110 | 2   |      |      | 53     | 134  | 20  |
|               | 3,3-Dichlorobenzidine      | 50    | 29.2   | ug/L | 58  | 0   |      |      | 27     | 129  | 20  |
|               | Benzo(a)anthracene         | 50    | 48.7   | ug/L | 97  | 3   |      |      | 58     | 125  | 20  |
|               | Chrysene                   | 50    | 49.8   | ug/L | 100 | 0   |      |      | 59     | 123  | 20  |
|               | bis(2-Ethylhexyl)phthalate | 50    | 55.1   | ug/L | 110 | 2   |      |      | 55     | 135  | 20  |
|               | Di-n-octyl phthalate       | 50    | 52.2   | ug/L | 104 | 2   |      |      | 51     | 140  | 20  |
|               | Benzo(b)fluoranthene       | 50    | 48.8   | ug/L | 98  | 11  |      |      | 53     | 131  | 20  |
|               | Benzo(k)fluoranthene       | 50    | 56.1   | ug/L | 112 | 12  |      |      | 57     | 129  | 20  |
|               | Benzo(a)pyrene             | 50    | 55.5   | ug/L | 111 | 1   |      |      | 54     | 128  | 20  |
|               | Indeno(1,2,3-cd)pyrene     | 50    | 51.3   | ug/L | 103 | 4   |      |      | 52     | 134  | 20  |
|               | Dibenz(a,h)anthracene      | 50    | 50.8   | ug/L | 102 | 4   |      |      | 51     | 134  | 20  |
|               | Benzo(g,h,i)perylene       | 50    | 45.8   | ug/L | 92  | 2   |      |      | 50     | 134  | 20  |
|               | 1,2,4,5-Tetrachlorobenzene | 50    | 50.2   | ug/L | 100 | 2   |      |      | 35     | 121  | 20  |
|               | 1,4-Dioxane                | 50    | 40.5   | ug/L | 81  | 2   |      |      | 70     | 130  | 20  |
|               | 2,3,4,6-Tetrachlorophenol  | 50    | 53.4   | ug/L | 107 | 3   |      |      | 50     | 128  | 20  |

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB166117BL

Lab Name: CHEMTECH

Contract: TETR06

Lab Code: CHEM Case No.: Q1122

SAS No.: Q1122 SDG NO.: Q1122

Lab File ID: BF141217.D

Lab Sample ID: PB166117BL

Instrument ID: BNA\_F

Date Extracted: 01/17/2025

Matrix: (soil/water) Water

Date Analyzed: 01/20/2025

Level: (low/med) LOW

Time Analyzed: 12:49

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 |
|-------------------|------------------|----------------|------------------|
| PB166117BS        | PB166117BS       | BF141218.D     | 01/20/2025       |
| PB166117BSD       | PB166117BSD      | BF141219.D     | 01/20/2025       |
| RW10A-20250116    | Q1122-01         | BF141221.D     | 01/20/2025       |

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

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK  
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: TETR06

Lab Code: CHEM

SAS No.: Q1122 SDG NO.: Q1122

Lab File ID: BF141108.D

DFTPP Injection Date: 01/10/2025

Instrument ID: BNA\_F

DFTPP Injection Time: 11:32

| m/e | ION ABUNDANCE CRITERIA             | % RELATIVE ABUNDANCE |
|-----|------------------------------------|----------------------|
| 51  | 10.0 - 80.0% of mass 198           | 39.2                 |
| 68  | Less than 2.0% of mass 69          | 0.7 ( 1.8 ) 1        |
| 69  | Mass 69 relative abundance         | 38                   |
| 70  | Less than 2.0% of mass 69          | 0.3 ( 0.7 ) 1        |
| 127 | 10.0 - 80.0% of mass 198           | 49.8                 |
| 197 | Less than 2.0% of mass 198         | 0.0                  |
| 198 | Base Peak, 100% relative abundance | 100                  |
| 199 | 5.0 to 9.0% of mass 198            | 6.6                  |
| 275 | 10.0 - 60.0% of mass 198           | 27.9                 |
| 365 | Greater than 1% of mass 198        | 3.5                  |
| 441 | Present, but less than mass 443    | 13.9                 |
| 442 | Greater than 50% of mass 198       | 100                  |
| 443 | 15.0 - 24.0% of mass 442           | 17.1 (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       | BF141109.D     | 01/10/2025       | 11:58            |
| SSTDICC005        | SSTDICC005       | BF141110.D     | 01/10/2025       | 12:25            |
| SSTDICC010        | SSTDICC010       | BF141111.D     | 01/10/2025       | 13:17            |
| SSTDICC020        | SSTDICC020       | BF141112.D     | 01/10/2025       | 14:10            |
| SSTDICCC040       | SSTDICCC040      | BF141113.D     | 01/10/2025       | 14:36            |
| SSTDICC050        | SSTDICC050       | BF141117.D     | 01/10/2025       | 16:53            |
| SSTDICC060        | SSTDICC060       | BF141118.D     | 01/10/2025       | 17:19            |
| SSTDICC080        | SSTDICC080       | BF141119.D     | 01/10/2025       | 17:45            |

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK  
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: TETR06

Lab Code: CHEM

SAS No.: Q1122 SDG NO.: Q1122

Lab File ID: BF141211.D

DFTPP Injection Date: 01/20/2025

Instrument ID: BNA\_F

DFTPP Injection Time: 09:40

| m/e | ION ABUNDANCE CRITERIA             | % RELATIVE ABUNDANCE |
|-----|------------------------------------|----------------------|
| 51  | 10.0 - 80.0% of mass 198           | 33.5                 |
| 68  | Less than 2.0% of mass 69          | 0.6 ( 2 ) 1          |
| 69  | Mass 69 relative abundance         | 34.3                 |
| 70  | Less than 2.0% of mass 69          | 0.2 ( 0.6 ) 1        |
| 127 | 10.0 - 80.0% of mass 198           | 47.0                 |
| 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            | 6.4                  |
| 275 | 10.0 - 60.0% of mass 198           | 30.5                 |
| 365 | Greater than 1% of mass 198        | 4.1                  |
| 441 | Present, but less than mass 443    | 17.7                 |
| 442 | Greater than 50% of mass 198       | 100                  |
| 443 | 15.0 - 24.0% of mass 442           | 19.5 ( 19.5 ) 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       | BF141212.D     | 01/20/2025       | 10:37            |
| PB166117BL        | PB166117BL       | BF141217.D     | 01/20/2025       | 12:49            |
| PB166117BS        | PB166117BS       | BF141218.D     | 01/20/2025       | 13:15            |
| PB166117BSD       | PB166117BSD      | BF141219.D     | 01/20/2025       | 13:41            |
| RW10A-20250116    | Q1122-01         | BF141221.D     | 01/20/2025       | 14:39            |
| SSTDCCC040EC      | SSTDCCC040       | BF141226.D     | 01/20/2025       | 16:58            |

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1122 SAS No.: Q1122 SDG NO.: Q1122

EPA Sample No.: SSTDCCC040 Date Analyzed: 01/20/2025

Lab File ID: BF141212.D Time Analyzed: 10:37

Instrument ID: BNA\_F GC Column: DB-UI ID: 0.18 (mm)

|                   | IS1 (DCB)<br>AREA # | RT # | IS2 (NPT)<br>AREA # | RT #  | IS3 (ANT)<br>AREA # | RT #   |
|-------------------|---------------------|------|---------------------|-------|---------------------|--------|
| 12 HOUR STD       | 179826              | 6.81 | 695851              | 8.09  | 379338              | 9.85   |
| UPPER LIMIT       | 359652              | 7.31 | 1391700             | 8.592 | 758676              | 10.351 |
| LOWER LIMIT       | 89913               | 6.31 | 347926              | 7.592 | 189669              | 9.351  |
| EPA SAMPLE NO.    |                     |      |                     |       |                     |        |
| 01 PB166117BL     | 159319              | 6.81 | 644023              | 8.09  | 342991              | 9.85   |
| 02 PB166117BS     | 161782              | 6.81 | 655900              | 8.09  | 349277              | 9.85   |
| 03 PB166117BSD    | 161581              | 6.81 | 633827              | 8.09  | 339384              | 9.85   |
| 04 RW10A-20250116 | 158020              | 6.81 | 629982              | 8.09  | 340789              | 9.85   |

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.: Q1122 SAS No.: Q1122 SDG NO.: Q1122

EPA Sample No.: SSTDCCC040 Date Analyzed: 01/20/2025

Lab File ID: BF141212.D Time Analyzed: 10:37

Instrument ID: BNA\_F GC Column: DB-UI ID: 0.18 (mm)

|                   | IS4 (PHN)<br>AREA # | RT #   | IS5 (CRY)<br>AREA # | RT #   | IS6 (PRY)<br>AREA # | RT #   |
|-------------------|---------------------|--------|---------------------|--------|---------------------|--------|
| 12 HOUR STD       | 651777              | 11.333 | 435133              | 13.974 | 378255              | 15.439 |
| UPPER LIMIT       | 1303550             | 11.833 | 870266              | 14.474 | 756510              | 15.939 |
| LOWER LIMIT       | 325889              | 10.833 | 217567              | 13.474 | 189128              | 14.939 |
| EPA SAMPLE NO.    |                     |        |                     |        |                     |        |
| 01 PB166117BL     | 588711              | 11.33  | 419427              | 13.97  | 332363              | 15.43  |
| 02 PB166117BS     | 596700              | 11.33  | 391687              | 13.97  | 341954              | 15.43  |
| 03 PB166117BSD    | 582564              | 11.33  | 369711              | 13.97  | 327689              | 15.43  |
| 04 RW10A-20250116 | 587345              | 11.33  | 416765              | 13.97  | 333314              | 15.43  |

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:  | PB166117BL                    |                  | SDG No.:        | Q1122            |      |
| Lab Sample ID:     | PB166117BL                    |                  | Matrix:         | Water            |      |
| Analytical Method: | SW8270                        |                  | % 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 |
| BF141217.D        | 1         | 01/17/25 11:40 | 01/20/25 12:49 | PB166117      |

| CAS Number     | Parameter                   | Conc. | Qualifier | MDL  | LOD  | LOQ / CRQL | Units |
|----------------|-----------------------------|-------|-----------|------|------|------------|-------|
| <b>TARGETS</b> |                             |       |           |      |      |            |       |
| 100-52-7       | Benzaldehyde                | 8.00  | U         | 4.00 | 8.00 | 10.0       | ug/L  |
| 108-95-2       | Phenol                      | 4.00  | U         | 0.93 | 4.00 | 5.00       | ug/L  |
| 111-44-4       | bis(2-Chloroethyl)ether     | 4.00  | U         | 1.20 | 4.00 | 5.00       | ug/L  |
| 95-57-8        | 2-Chlorophenol              | 4.00  | U         | 0.71 | 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         | 1.40 | 4.00 | 5.00       | ug/L  |
| 98-86-2        | Acetophenone                | 4.00  | U         | 1.10 | 4.00 | 5.00       | ug/L  |
| 65794-96-9     | 3+4-Methylphenols           | 8.00  | U         | 1.20 | 8.00 | 10.0       | ug/L  |
| 621-64-7       | n-Nitroso-di-n-propylamine  | 2.50  | U         | 1.50 | 2.50 | 2.50       | ug/L  |
| 67-72-1        | Hexachloroethane            | 4.00  | U         | 1.00 | 4.00 | 5.00       | ug/L  |
| 98-95-3        | Nitrobenzene                | 4.00  | U         | 1.30 | 4.00 | 5.00       | ug/L  |
| 78-59-1        | Isophorone                  | 4.00  | U         | 1.10 | 4.00 | 5.00       | ug/L  |
| 88-75-5        | 2-Nitrophenol               | 4.00  | U         | 2.00 | 4.00 | 5.00       | ug/L  |
| 105-67-9       | 2,4-Dimethylphenol          | 4.00  | U         | 1.50 | 4.00 | 5.00       | ug/L  |
| 111-91-1       | bis(2-Chloroethoxy)methane  | 4.00  | U         | 1.00 | 4.00 | 5.00       | ug/L  |
| 120-83-2       | 2,4-Dichlorophenol          | 4.00  | U         | 0.88 | 4.00 | 5.00       | ug/L  |
| 91-20-3        | Naphthalene                 | 4.00  | U         | 1.00 | 4.00 | 5.00       | ug/L  |
| 106-47-8       | 4-Chloroaniline             | 4.00  | U         | 1.30 | 4.00 | 5.00       | ug/L  |
| 87-68-3        | Hexachlorobutadiene         | 4.00  | U         | 1.30 | 4.00 | 5.00       | ug/L  |
| 105-60-2       | Caprolactam                 | 8.00  | U         | 1.70 | 8.00 | 10.0       | ug/L  |
| 59-50-7        | 4-Chloro-3-methylphenol     | 4.00  | U         | 0.84 | 4.00 | 5.00       | ug/L  |
| 91-57-6        | 2-Methylnaphthalene         | 4.00  | U         | 1.10 | 4.00 | 5.00       | ug/L  |
| 77-47-4        | Hexachlorocyclopentadiene   | 8.00  | U         | 5.00 | 8.00 | 10.0       | ug/L  |
| 88-06-2        | 2,4,6-Trichlorophenol       | 4.00  | U         | 0.89 | 4.00 | 5.00       | ug/L  |
| 95-95-4        | 2,4,5-Trichlorophenol       | 4.00  | U         | 1.00 | 4.00 | 5.00       | ug/L  |
| 92-52-4        | 1,1-Biphenyl                | 4.00  | U         | 0.91 | 4.00 | 5.00       | ug/L  |
| 91-58-7        | 2-Chloronaphthalene         | 4.00  | U         | 0.97 | 4.00 | 5.00       | ug/L  |
| 88-74-4        | 2-Nitroaniline              | 4.00  | U         | 1.40 | 4.00 | 5.00       | ug/L  |
| 131-11-3       | Dimethylphthalate           | 4.00  | U         | 0.93 | 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:  | PB166117BL                    |                  | SDG No.:        | Q1122            |
| Lab Sample ID:     | PB166117BL                    |                  | Matrix:         | Water            |
| Analytical Method: | SW8270                        |                  | % 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 |
| BF141217.D        | 1         | 01/17/25 11:40 | 01/20/25 12:49 | PB166117      |

| CAS Number | Parameter                  | Conc. | Qualifier | MDL  | LOD  | LOQ / CRQL | Units |
|------------|----------------------------|-------|-----------|------|------|------------|-------|
| 208-96-8   | Acenaphthylene             | 4.00  | U         | 1.00 | 4.00 | 5.00       | ug/L  |
| 606-20-2   | 2,6-Dinitrotoluene         | 4.00  | U         | 1.20 | 4.00 | 5.00       | ug/L  |
| 99-09-2    | 3-Nitroaniline             | 4.00  | U         | 1.40 | 4.00 | 5.00       | ug/L  |
| 83-32-9    | Acenaphthene               | 4.00  | U         | 0.81 | 4.00 | 5.00       | ug/L  |
| 51-28-5    | 2,4-Dinitrophenol          | 8.00  | U         | 6.40 | 8.00 | 10.0       | ug/L  |
| 100-02-7   | 4-Nitrophenol              | 8.00  | U         | 2.00 | 8.00 | 10.0       | ug/L  |
| 132-64-9   | Dibenzofuran               | 4.00  | U         | 0.93 | 4.00 | 5.00       | ug/L  |
| 121-14-2   | 2,4-Dinitrotoluene         | 4.00  | U         | 1.50 | 4.00 | 5.00       | ug/L  |
| 84-66-2    | Diethylphthalate           | 4.00  | U         | 1.00 | 4.00 | 5.00       | ug/L  |
| 7005-72-3  | 4-Chlorophenyl-phenylether | 4.00  | U         | 0.98 | 4.00 | 5.00       | ug/L  |
| 86-73-7    | Fluorene                   | 4.00  | U         | 0.96 | 4.00 | 5.00       | ug/L  |
| 100-01-6   | 4-Nitroaniline             | 4.00  | U         | 2.00 | 4.00 | 5.00       | ug/L  |
| 534-52-1   | 4,6-Dinitro-2-methylphenol | 8.00  | U         | 3.10 | 8.00 | 10.0       | ug/L  |
| 86-30-6    | n-Nitrosodiphenylamine     | 4.00  | U         | 0.89 | 4.00 | 5.00       | ug/L  |
| 101-55-3   | 4-Bromophenyl-phenylether  | 4.00  | U         | 0.95 | 4.00 | 5.00       | ug/L  |
| 118-74-1   | Hexachlorobenzene          | 4.00  | U         | 1.10 | 4.00 | 5.00       | ug/L  |
| 1912-24-9  | Atrazine                   | 4.00  | U         | 1.30 | 4.00 | 5.00       | ug/L  |
| 87-86-5    | Pentachlorophenol          | 8.00  | U         | 1.90 | 8.00 | 10.0       | ug/L  |
| 85-01-8    | Phenanthrene               | 4.00  | U         | 0.89 | 4.00 | 5.00       | ug/L  |
| 120-12-7   | Anthracene                 | 4.00  | U         | 1.10 | 4.00 | 5.00       | ug/L  |
| 86-74-8    | Carbazole                  | 4.00  | U         | 1.20 | 4.00 | 5.00       | ug/L  |
| 84-74-2    | Di-n-butylphthalate        | 4.00  | U         | 1.50 | 4.00 | 5.00       | ug/L  |
| 206-44-0   | Fluoranthene               | 4.00  | U         | 1.30 | 4.00 | 5.00       | ug/L  |
| 129-00-0   | Pyrene                     | 4.00  | U         | 1.10 | 4.00 | 5.00       | ug/L  |
| 85-68-7    | Butylbenzylphthalate       | 4.00  | U         | 2.10 | 4.00 | 5.00       | ug/L  |
| 91-94-1    | 3,3-Dichlorobenzidine      | 8.00  | U         | 1.30 | 8.00 | 10.0       | ug/L  |
| 56-55-3    | Benzo(a)anthracene         | 4.00  | U         | 0.94 | 4.00 | 5.00       | ug/L  |
| 218-01-9   | Chrysene                   | 4.00  | U         | 0.86 | 4.00 | 5.00       | ug/L  |
| 117-81-7   | Bis(2-ethylhexyl)phthalate | 4.00  | U         | 1.90 | 4.00 | 5.00       | ug/L  |
| 117-84-0   | Di-n-octyl phthalate       | 8.00  | U         | 2.50 | 8.00 | 10.0       | ug/L  |
| 205-99-2   | Benzo(b)fluoranthene       | 4.00  | U         | 1.10 | 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:  | PB166117BL                    |                  | SDG No.:        | Q1122            |
| Lab Sample ID:     | PB166117BL                    |                  | Matrix:         | Water            |
| Analytical Method: | SW8270                        |                  | % 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 |
| BF141217.D        | 1         | 01/17/25 11:40 | 01/20/25 12:49 | PB166117      |

| CAS Number                            | Parameter                        | Conc.  | Qualifier | MDL      | LOD  | LOQ / CRQL | Units    |
|---------------------------------------|----------------------------------|--------|-----------|----------|------|------------|----------|
| 207-08-9                              | Benzo(k)fluoranthene             | 4.00   | U         | 1.20     | 4.00 | 5.00       | ug/L     |
| 50-32-8                               | Benzo(a)pyrene                   | 4.00   | U         | 1.70     | 4.00 | 5.00       | ug/L     |
| 193-39-5                              | Indeno(1,2,3-cd)pyrene           | 4.00   | U         | 1.00     | 4.00 | 5.00       | ug/L     |
| 53-70-3                               | Dibenzo(a,h)anthracene           | 4.00   | U         | 1.20     | 4.00 | 5.00       | ug/L     |
| 191-24-2                              | Benzo(g,h,i)perylene             | 4.00   | U         | 1.20     | 4.00 | 5.00       | ug/L     |
| 95-94-3                               | 1,2,4,5-Tetrachlorobenzene       | 4.00   | U         | 1.10     | 4.00 | 5.00       | ug/L     |
| 123-91-1                              | 1,4-Dioxane                      | 4.00   | U         | 1.30     | 4.00 | 5.00       | ug/L     |
| 58-90-2                               | 2,3,4,6-Tetrachlorophenol        | 4.00   | U         | 0.79     | 4.00 | 5.00       | ug/L     |
| <b>SURROGATES</b>                     |                                  |        |           |          |      |            |          |
| 367-12-4                              | 2-Fluorophenol                   | 144    |           | 19 - 119 |      | 96%        | SPK: 150 |
| 13127-88-3                            | Phenol-d6                        | 141    |           | 10 - 130 |      | 94%        | SPK: 150 |
| 4165-60-0                             | Nitrobenzene-d5                  | 97.8   |           | 44 - 120 |      | 98%        | SPK: 100 |
| 321-60-8                              | 2-Fluorobiphenyl                 | 98.6   |           | 44 - 119 |      | 99%        | SPK: 100 |
| 118-79-6                              | 2,4,6-Tribromophenol             | 162    |           | 43 - 140 |      | 108%       | SPK: 150 |
| 1718-51-0                             | Terphenyl-d14                    | 92.3   |           | 50 - 134 |      | 92%        | SPK: 100 |
| <b>INTERNAL STANDARDS</b>             |                                  |        |           |          |      |            |          |
| 3855-82-1                             | 1,4-Dichlorobenzene-d4           | 159000 | 6.81      |          |      |            |          |
| 1146-65-2                             | Naphthalene-d8                   | 644000 | 8.092     |          |      |            |          |
| 15067-26-2                            | Acenaphthene-d10                 | 343000 | 9.845     |          |      |            |          |
| 1517-22-2                             | Phenanthrene-d10                 | 589000 | 11.328    |          |      |            |          |
| 1719-03-5                             | Chrysene-d12                     | 419000 | 13.969    |          |      |            |          |
| 1520-96-3                             | Perylene-d12                     | 332000 | 15.433    |          |      |            |          |
| <b>TENTATIVE IDENTIFIED COMPOUNDS</b> |                                  |        |           |          |      |            |          |
| 004744-10-9                           | Propane, 1,1-dimethoxy-          | 3.80   | J         |          |      | 2.25       | ug/L     |
| 000123-42-2                           | 2-Pentanone, 4-hydroxy-4-methyl- | 9.70   | A         |          |      | 5.04       | ug/L     |

## Report of Analysis

|                    |                               |                  |                 |                  |
|--------------------|-------------------------------|------------------|-----------------|------------------|
| Client:            | Tetra Tech NUS, Inc.          |                  | Date Collected: |                  |
| Project:           | NWIRP Bethpage 112G08005-WE13 |                  | Date Received:  |                  |
| Client Sample ID:  | PB166117BL                    |                  | SDG No.:        | Q1122            |
| Lab Sample ID:     | PB166117BL                    |                  | Matrix:         | Water            |
| Analytical Method: | SW8270                        |                  | % 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 |
| BF141217.D        | 1         | 01/17/25 11:40 | 01/20/25 12:49 | PB166117      |

| 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:  | PB166117BS                    |                  | SDG No.:        | Q1122            |      |
| Lab Sample ID:     | PB166117BS                    |                  | Matrix:         | Water            |      |
| Analytical Method: | SW8270                        |                  | % 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 |
| BF141218.D        | 1         | 01/17/25 11:40 | 01/20/25 13:15 | PB166117      |

| CAS Number     | Parameter                   | Conc. | Qualifier | MDL  | LOD  | LOQ / CRQL | Units |
|----------------|-----------------------------|-------|-----------|------|------|------------|-------|
| <b>TARGETS</b> |                             |       |           |      |      |            |       |
| 100-52-7       | Benzaldehyde                | 8.30  | J         | 4.00 | 8.00 | 10.0       | ug/L  |
| 108-95-2       | Phenol                      | 48.5  |           | 0.93 | 4.00 | 5.00       | ug/L  |
| 111-44-4       | bis(2-Chloroethyl)ether     | 49.2  |           | 1.20 | 4.00 | 5.00       | ug/L  |
| 95-57-8        | 2-Chlorophenol              | 51.1  |           | 0.71 | 4.00 | 5.00       | ug/L  |
| 95-48-7        | 2-Methylphenol              | 50.7  |           | 1.10 | 4.00 | 5.00       | ug/L  |
| 108-60-1       | 2,2-oxybis(1-Chloropropane) | 47.1  |           | 1.40 | 4.00 | 5.00       | ug/L  |
| 98-86-2        | Acetophenone                | 47.8  |           | 1.10 | 4.00 | 5.00       | ug/L  |
| 65794-96-9     | 3+4-Methylphenols           | 48.4  |           | 1.20 | 8.00 | 10.0       | ug/L  |
| 621-64-7       | n-Nitroso-di-n-propylamine  | 49.2  |           | 1.50 | 2.50 | 2.50       | ug/L  |
| 67-72-1        | Hexachloroethane            | 48.5  |           | 1.00 | 4.00 | 5.00       | ug/L  |
| 98-95-3        | Nitrobenzene                | 45.7  |           | 1.30 | 4.00 | 5.00       | ug/L  |
| 78-59-1        | Isophorone                  | 49.4  |           | 1.10 | 4.00 | 5.00       | ug/L  |
| 88-75-5        | 2-Nitrophenol               | 51.8  |           | 2.00 | 4.00 | 5.00       | ug/L  |
| 105-67-9       | 2,4-Dimethylphenol          | 58.3  |           | 1.50 | 4.00 | 5.00       | ug/L  |
| 111-91-1       | bis(2-Chloroethoxy)methane  | 48.3  |           | 1.00 | 4.00 | 5.00       | ug/L  |
| 120-83-2       | 2,4-Dichlorophenol          | 50.3  |           | 0.88 | 4.00 | 5.00       | ug/L  |
| 91-20-3        | Naphthalene                 | 47.4  |           | 1.00 | 4.00 | 5.00       | ug/L  |
| 106-47-8       | 4-Chloroaniline             | 18.2  |           | 1.30 | 4.00 | 5.00       | ug/L  |
| 87-68-3        | Hexachlorobutadiene         | 47.2  |           | 1.30 | 4.00 | 5.00       | ug/L  |
| 105-60-2       | Caprolactam                 | 47.5  |           | 1.70 | 8.00 | 10.0       | ug/L  |
| 59-50-7        | 4-Chloro-3-methylphenol     | 49.8  |           | 0.84 | 4.00 | 5.00       | ug/L  |
| 91-57-6        | 2-Methylnaphthalene         | 48.5  |           | 1.10 | 4.00 | 5.00       | ug/L  |
| 77-47-4        | Hexachlorocyclopentadiene   | 190   | E         | 5.00 | 8.00 | 10.0       | ug/L  |
| 88-06-2        | 2,4,6-Trichlorophenol       | 51.3  |           | 0.89 | 4.00 | 5.00       | ug/L  |
| 95-95-4        | 2,4,5-Trichlorophenol       | 49.2  |           | 1.00 | 4.00 | 5.00       | ug/L  |
| 92-52-4        | 1,1-Biphenyl                | 48.8  |           | 0.91 | 4.00 | 5.00       | ug/L  |
| 91-58-7        | 2-Chloronaphthalene         | 47.0  |           | 0.97 | 4.00 | 5.00       | ug/L  |
| 88-74-4        | 2-Nitroaniline              | 49.2  |           | 1.40 | 4.00 | 5.00       | ug/L  |
| 131-11-3       | Dimethylphthalate           | 50.0  |           | 0.93 | 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:  | PB166117BS                    |                  | SDG No.:        | Q1122            |
| Lab Sample ID:     | PB166117BS                    |                  | Matrix:         | Water            |
| Analytical Method: | SW8270                        |                  | % 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 |
| BF141218.D        | 1         | 01/17/25 11:40 | 01/20/25 13:15 | PB166117      |

| CAS Number | Parameter                  | Conc. | Qualifier | MDL  | LOD  | LOQ / CRQL | Units |
|------------|----------------------------|-------|-----------|------|------|------------|-------|
| 208-96-8   | Acenaphthylene             | 51.3  |           | 1.00 | 4.00 | 5.00       | ug/L  |
| 606-20-2   | 2,6-Dinitrotoluene         | 48.7  |           | 1.20 | 4.00 | 5.00       | ug/L  |
| 99-09-2    | 3-Nitroaniline             | 30.0  |           | 1.40 | 4.00 | 5.00       | ug/L  |
| 83-32-9    | Acenaphthene               | 55.1  |           | 0.81 | 4.00 | 5.00       | ug/L  |
| 51-28-5    | 2,4-Dinitrophenol          | 120   | E         | 6.40 | 8.00 | 10.0       | ug/L  |
| 100-02-7   | 4-Nitrophenol              | 100   | E         | 2.00 | 8.00 | 10.0       | ug/L  |
| 132-64-9   | Dibenzofuran               | 48.8  |           | 0.93 | 4.00 | 5.00       | ug/L  |
| 121-14-2   | 2,4-Dinitrotoluene         | 51.6  |           | 1.50 | 4.00 | 5.00       | ug/L  |
| 84-66-2    | Diethylphthalate           | 49.5  |           | 1.00 | 4.00 | 5.00       | ug/L  |
| 7005-72-3  | 4-Chlorophenyl-phenylether | 49.0  |           | 0.98 | 4.00 | 5.00       | ug/L  |
| 86-73-7    | Fluorene                   | 49.0  |           | 0.96 | 4.00 | 5.00       | ug/L  |
| 100-01-6   | 4-Nitroaniline             | 49.6  |           | 2.00 | 4.00 | 5.00       | ug/L  |
| 534-52-1   | 4,6-Dinitro-2-methylphenol | 60.4  |           | 3.10 | 8.00 | 10.0       | ug/L  |
| 86-30-6    | n-Nitrosodiphenylamine     | 50.4  |           | 0.89 | 4.00 | 5.00       | ug/L  |
| 101-55-3   | 4-Bromophenyl-phenylether  | 50.9  |           | 0.95 | 4.00 | 5.00       | ug/L  |
| 118-74-1   | Hexachlorobenzene          | 51.4  |           | 1.10 | 4.00 | 5.00       | ug/L  |
| 1912-24-9  | Atrazine                   | 64.3  |           | 1.30 | 4.00 | 5.00       | ug/L  |
| 87-86-5    | Pentachlorophenol          | 100   | E         | 1.90 | 8.00 | 10.0       | ug/L  |
| 85-01-8    | Phenanthrene               | 51.6  |           | 0.89 | 4.00 | 5.00       | ug/L  |
| 120-12-7   | Anthracene                 | 53.6  |           | 1.10 | 4.00 | 5.00       | ug/L  |
| 86-74-8    | Carbazole                  | 51.3  |           | 1.20 | 4.00 | 5.00       | ug/L  |
| 84-74-2    | Di-n-butylphthalate        | 52.2  |           | 1.50 | 4.00 | 5.00       | ug/L  |
| 206-44-0   | Fluoranthene               | 53.3  |           | 1.30 | 4.00 | 5.00       | ug/L  |
| 129-00-0   | Pyrene                     | 46.0  |           | 1.10 | 4.00 | 5.00       | ug/L  |
| 85-68-7    | Butylbenzylphthalate       | 53.8  |           | 2.10 | 4.00 | 5.00       | ug/L  |
| 91-94-1    | 3,3-Dichlorobenzidine      | 29.2  |           | 1.30 | 8.00 | 10.0       | ug/L  |
| 56-55-3    | Benzo(a)anthracene         | 47.4  |           | 0.94 | 4.00 | 5.00       | ug/L  |
| 218-01-9   | Chrysene                   | 49.7  |           | 0.86 | 4.00 | 5.00       | ug/L  |
| 117-81-7   | Bis(2-ethylhexyl)phthalate | 54.2  |           | 1.90 | 4.00 | 5.00       | ug/L  |
| 117-84-0   | Di-n-octyl phthalate       | 53.3  |           | 2.50 | 8.00 | 10.0       | ug/L  |
| 205-99-2   | Benzo(b)fluoranthene       | 54.7  |           | 1.10 | 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:  | PB166117BS                    |                  | SDG No.:        | Q1122            |
| Lab Sample ID:     | PB166117BS                    |                  | Matrix:         | Water            |
| Analytical Method: | SW8270                        |                  | % 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 |
| BF141218.D        | 1         | 01/17/25 11:40 | 01/20/25 13:15 | PB166117      |

| CAS Number                | Parameter                  | Conc.  | Qualifier | MDL      | LOD  | LOQ / CRQL | Units    |
|---------------------------|----------------------------|--------|-----------|----------|------|------------|----------|
| 207-08-9                  | Benzo(k)fluoranthene       | 49.8   |           | 1.20     | 4.00 | 5.00       | ug/L     |
| 50-32-8                   | Benzo(a)pyrene             | 55.2   |           | 1.70     | 4.00 | 5.00       | ug/L     |
| 193-39-5                  | Indeno(1,2,3-cd)pyrene     | 49.4   |           | 1.00     | 4.00 | 5.00       | ug/L     |
| 53-70-3                   | Dibenzo(a,h)anthracene     | 48.8   |           | 1.20     | 4.00 | 5.00       | ug/L     |
| 191-24-2                  | Benzo(g,h,i)perylene       | 44.9   |           | 1.20     | 4.00 | 5.00       | ug/L     |
| 95-94-3                   | 1,2,4,5-Tetrachlorobenzene | 49.3   |           | 1.10     | 4.00 | 5.00       | ug/L     |
| 123-91-1                  | 1,4-Dioxane                | 41.3   |           | 1.30     | 4.00 | 5.00       | ug/L     |
| 58-90-2                   | 2,3,4,6-Tetrachlorophenol  | 51.8   |           | 0.79     | 4.00 | 5.00       | ug/L     |
| <b>SURROGATES</b>         |                            |        |           |          |      |            |          |
| 367-12-4                  | 2-Fluorophenol             | 136    |           | 19 - 119 |      | 91%        | SPK: 150 |
| 13127-88-3                | Phenol-d6                  | 135    |           | 10 - 130 |      | 90%        | SPK: 150 |
| 4165-60-0                 | Nitrobenzene-d5            | 94.7   |           | 44 - 120 |      | 95%        | SPK: 100 |
| 321-60-8                  | 2-Fluorobiphenyl           | 95.4   |           | 44 - 119 |      | 95%        | SPK: 100 |
| 118-79-6                  | 2,4,6-Tribromophenol       | 157    |           | 43 - 140 |      | 105%       | SPK: 150 |
| 1718-51-0                 | Terphenyl-d14              | 96.5   |           | 50 - 134 |      | 97%        | SPK: 100 |
| <b>INTERNAL STANDARDS</b> |                            |        |           |          |      |            |          |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4     | 162000 | 6.81      |          |      |            |          |
| 1146-65-2                 | Naphthalene-d8             | 656000 | 8.092     |          |      |            |          |
| 15067-26-2                | Acenaphthene-d10           | 349000 | 9.845     |          |      |            |          |
| 1517-22-2                 | Phenanthrene-d10           | 597000 | 11.333    |          |      |            |          |
| 1719-03-5                 | Chrysene-d12               | 392000 | 13.974    |          |      |            |          |
| 1520-96-3                 | Perylene-d12               | 342000 | 15.427    |          |      |            |          |

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:  | PB166117BSD                   |                  | SDG No.:        | Q1122            |      |
| Lab Sample ID:     | PB166117BSD                   |                  | Matrix:         | Water            |      |
| Analytical Method: | SW8270                        |                  | % 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 |
| BF141219.D        | 1         | 01/17/25 11:40 | 01/20/25 13:41 | PB166117      |

| CAS Number     | Parameter                   | Conc. | Qualifier | MDL  | LOD  | LOQ / CRQL | Units |
|----------------|-----------------------------|-------|-----------|------|------|------------|-------|
| <b>TARGETS</b> |                             |       |           |      |      |            |       |
| 100-52-7       | Benzaldehyde                | 8.20  | J         | 4.00 | 8.00 | 10.0       | ug/L  |
| 108-95-2       | Phenol                      | 47.7  |           | 0.93 | 4.00 | 5.00       | ug/L  |
| 111-44-4       | bis(2-Chloroethyl)ether     | 48.2  |           | 1.20 | 4.00 | 5.00       | ug/L  |
| 95-57-8        | 2-Chlorophenol              | 51.1  |           | 0.71 | 4.00 | 5.00       | ug/L  |
| 95-48-7        | 2-Methylphenol              | 50.5  |           | 1.10 | 4.00 | 5.00       | ug/L  |
| 108-60-1       | 2,2-oxybis(1-Chloropropane) | 46.7  |           | 1.40 | 4.00 | 5.00       | ug/L  |
| 98-86-2        | Acetophenone                | 48.3  |           | 1.10 | 4.00 | 5.00       | ug/L  |
| 65794-96-9     | 3+4-Methylphenols           | 47.8  |           | 1.20 | 8.00 | 10.0       | ug/L  |
| 621-64-7       | n-Nitroso-di-n-propylamine  | 48.4  |           | 1.50 | 2.50 | 2.50       | ug/L  |
| 67-72-1        | Hexachloroethane            | 47.8  |           | 1.00 | 4.00 | 5.00       | ug/L  |
| 98-95-3        | Nitrobenzene                | 46.1  |           | 1.30 | 4.00 | 5.00       | ug/L  |
| 78-59-1        | Isophorone                  | 50.4  |           | 1.10 | 4.00 | 5.00       | ug/L  |
| 88-75-5        | 2-Nitrophenol               | 53.3  |           | 2.00 | 4.00 | 5.00       | ug/L  |
| 105-67-9       | 2,4-Dimethylphenol          | 59.3  |           | 1.50 | 4.00 | 5.00       | ug/L  |
| 111-91-1       | bis(2-Chloroethoxy)methane  | 48.9  |           | 1.00 | 4.00 | 5.00       | ug/L  |
| 120-83-2       | 2,4-Dichlorophenol          | 50.9  |           | 0.88 | 4.00 | 5.00       | ug/L  |
| 91-20-3        | Naphthalene                 | 48.1  |           | 1.00 | 4.00 | 5.00       | ug/L  |
| 106-47-8       | 4-Chloroaniline             | 16.8  |           | 1.30 | 4.00 | 5.00       | ug/L  |
| 87-68-3        | Hexachlorobutadiene         | 48.5  |           | 1.30 | 4.00 | 5.00       | ug/L  |
| 105-60-2       | Caprolactam                 | 50.8  |           | 1.70 | 8.00 | 10.0       | ug/L  |
| 59-50-7        | 4-Chloro-3-methylphenol     | 50.9  |           | 0.84 | 4.00 | 5.00       | ug/L  |
| 91-57-6        | 2-Methylnaphthalene         | 49.6  |           | 1.10 | 4.00 | 5.00       | ug/L  |
| 77-47-4        | Hexachlorocyclopentadiene   | 190   | E         | 5.00 | 8.00 | 10.0       | ug/L  |
| 88-06-2        | 2,4,6-Trichlorophenol       | 52.5  |           | 0.89 | 4.00 | 5.00       | ug/L  |
| 95-95-4        | 2,4,5-Trichlorophenol       | 50.4  |           | 1.00 | 4.00 | 5.00       | ug/L  |
| 92-52-4        | 1,1-Biphenyl                | 48.9  |           | 0.91 | 4.00 | 5.00       | ug/L  |
| 91-58-7        | 2-Chloronaphthalene         | 47.6  |           | 0.97 | 4.00 | 5.00       | ug/L  |
| 88-74-4        | 2-Nitroaniline              | 49.5  |           | 1.40 | 4.00 | 5.00       | ug/L  |
| 131-11-3       | Dimethylphthalate           | 50.3  |           | 0.93 | 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:  | PB166117BSD                   |                  | SDG No.:        | Q1122            |
| Lab Sample ID:     | PB166117BSD                   |                  | Matrix:         | Water            |
| Analytical Method: | SW8270                        |                  | % 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 |
| BF141219.D        | 1         | 01/17/25 11:40 | 01/20/25 13:41 | PB166117      |

| CAS Number | Parameter                  | Conc. | Qualifier | MDL  | LOD  | LOQ / CRQL | Units |
|------------|----------------------------|-------|-----------|------|------|------------|-------|
| 208-96-8   | Acenaphthylene             | 52.1  |           | 1.00 | 4.00 | 5.00       | ug/L  |
| 606-20-2   | 2,6-Dinitrotoluene         | 48.7  |           | 1.20 | 4.00 | 5.00       | ug/L  |
| 99-09-2    | 3-Nitroaniline             | 29.4  |           | 1.40 | 4.00 | 5.00       | ug/L  |
| 83-32-9    | Acenaphthene               | 55.9  |           | 0.81 | 4.00 | 5.00       | ug/L  |
| 51-28-5    | 2,4-Dinitrophenol          | 120   | E         | 6.40 | 8.00 | 10.0       | ug/L  |
| 100-02-7   | 4-Nitrophenol              | 100   | E         | 2.00 | 8.00 | 10.0       | ug/L  |
| 132-64-9   | Dibenzofuran               | 49.6  |           | 0.93 | 4.00 | 5.00       | ug/L  |
| 121-14-2   | 2,4-Dinitrotoluene         | 51.7  |           | 1.50 | 4.00 | 5.00       | ug/L  |
| 84-66-2    | Diethylphthalate           | 49.8  |           | 1.00 | 4.00 | 5.00       | ug/L  |
| 7005-72-3  | 4-Chlorophenyl-phenylether | 49.4  |           | 0.98 | 4.00 | 5.00       | ug/L  |
| 86-73-7    | Fluorene                   | 49.3  |           | 0.96 | 4.00 | 5.00       | ug/L  |
| 100-01-6   | 4-Nitroaniline             | 51.2  |           | 2.00 | 4.00 | 5.00       | ug/L  |
| 534-52-1   | 4,6-Dinitro-2-methylphenol | 60.8  |           | 3.10 | 8.00 | 10.0       | ug/L  |
| 86-30-6    | n-Nitrosodiphenylamine     | 50.2  |           | 0.89 | 4.00 | 5.00       | ug/L  |
| 101-55-3   | 4-Bromophenyl-phenylether  | 51.2  |           | 0.95 | 4.00 | 5.00       | ug/L  |
| 118-74-1   | Hexachlorobenzene          | 51.6  |           | 1.10 | 4.00 | 5.00       | ug/L  |
| 1912-24-9  | Atrazine                   | 63.9  |           | 1.30 | 4.00 | 5.00       | ug/L  |
| 87-86-5    | Pentachlorophenol          | 100   | E         | 1.90 | 8.00 | 10.0       | ug/L  |
| 85-01-8    | Phenanthrene               | 51.6  |           | 0.89 | 4.00 | 5.00       | ug/L  |
| 120-12-7   | Anthracene                 | 54.1  |           | 1.10 | 4.00 | 5.00       | ug/L  |
| 86-74-8    | Carbazole                  | 51.7  |           | 1.20 | 4.00 | 5.00       | ug/L  |
| 84-74-2    | Di-n-butylphthalate        | 51.5  |           | 1.50 | 4.00 | 5.00       | ug/L  |
| 206-44-0   | Fluoranthene               | 53.3  |           | 1.30 | 4.00 | 5.00       | ug/L  |
| 129-00-0   | Pyrene                     | 48.0  |           | 1.10 | 4.00 | 5.00       | ug/L  |
| 85-68-7    | Butylbenzylphthalate       | 54.8  |           | 2.10 | 4.00 | 5.00       | ug/L  |
| 91-94-1    | 3,3-Dichlorobenzidine      | 29.2  |           | 1.30 | 8.00 | 10.0       | ug/L  |
| 56-55-3    | Benzo(a)anthracene         | 48.7  |           | 0.94 | 4.00 | 5.00       | ug/L  |
| 218-01-9   | Chrysene                   | 49.8  |           | 0.86 | 4.00 | 5.00       | ug/L  |
| 117-81-7   | Bis(2-ethylhexyl)phthalate | 55.1  |           | 1.90 | 4.00 | 5.00       | ug/L  |
| 117-84-0   | Di-n-octyl phthalate       | 52.2  |           | 2.50 | 8.00 | 10.0       | ug/L  |
| 205-99-2   | Benzo(b)fluoranthene       | 48.8  |           | 1.10 | 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:  | PB166117BSD                   |                  | SDG No.:        | Q1122            |
| Lab Sample ID:     | PB166117BSD                   |                  | Matrix:         | Water            |
| Analytical Method: | SW8270                        |                  | % 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 |
| BF141219.D        | 1         | 01/17/25 11:40 | 01/20/25 13:41 | PB166117      |

| CAS Number                | Parameter                  | Conc.  | Qualifier | MDL      | LOD  | LOQ / CRQL | Units    |
|---------------------------|----------------------------|--------|-----------|----------|------|------------|----------|
| 207-08-9                  | Benzo(k)fluoranthene       | 56.1   |           | 1.20     | 4.00 | 5.00       | ug/L     |
| 50-32-8                   | Benzo(a)pyrene             | 55.5   |           | 1.70     | 4.00 | 5.00       | ug/L     |
| 193-39-5                  | Indeno(1,2,3-cd)pyrene     | 51.3   |           | 1.00     | 4.00 | 5.00       | ug/L     |
| 53-70-3                   | Dibenzo(a,h)anthracene     | 50.8   |           | 1.20     | 4.00 | 5.00       | ug/L     |
| 191-24-2                  | Benzo(g,h,i)perylene       | 45.8   |           | 1.20     | 4.00 | 5.00       | ug/L     |
| 95-94-3                   | 1,2,4,5-Tetrachlorobenzene | 50.2   |           | 1.10     | 4.00 | 5.00       | ug/L     |
| 123-91-1                  | 1,4-Dioxane                | 40.5   |           | 1.30     | 4.00 | 5.00       | ug/L     |
| 58-90-2                   | 2,3,4,6-Tetrachlorophenol  | 53.4   |           | 0.79     | 4.00 | 5.00       | ug/L     |
| <b>SURROGATES</b>         |                            |        |           |          |      |            |          |
| 367-12-4                  | 2-Fluorophenol             | 134    |           | 19 - 119 |      | 90%        | SPK: 150 |
| 13127-88-3                | Phenol-d6                  | 135    |           | 10 - 130 |      | 90%        | SPK: 150 |
| 4165-60-0                 | Nitrobenzene-d5            | 96.2   |           | 44 - 120 |      | 96%        | SPK: 100 |
| 321-60-8                  | 2-Fluorobiphenyl           | 96.2   |           | 44 - 119 |      | 96%        | SPK: 100 |
| 118-79-6                  | 2,4,6-Tribromophenol       | 160    |           | 43 - 140 |      | 106%       | SPK: 150 |
| 1718-51-0                 | Terphenyl-d14              | 99.3   |           | 50 - 134 |      | 99%        | SPK: 100 |
| <b>INTERNAL STANDARDS</b> |                            |        |           |          |      |            |          |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4     | 162000 | 6.81      |          |      |            |          |
| 1146-65-2                 | Naphthalene-d8             | 634000 | 8.092     |          |      |            |          |
| 15067-26-2                | Acenaphthene-d10           | 339000 | 9.845     |          |      |            |          |
| 1517-22-2                 | Phenanthrene-d10           | 583000 | 11.333    |          |      |            |          |
| 1719-03-5                 | Chrysene-d12               | 370000 | 13.974    |          |      |            |          |
| 1520-96-3                 | Perylene-d12               | 328000 | 15.427    |          |      |            |          |

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\_F\Methods\  
 Method File : 8270-BF011025.M  
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 Last Update : Fri Jan 10 22:54:19 2025  
 Response Via : Initial Calibration

## Calibration Files

2.5 =BF1411109.D 5 =BF1411110.D 10 =BF1411111.D 20 =BF1411112.D 40 =BF1411113.D 50 =BF1411117.D 60 =BF1411118.D 80 =BF1411119.D

| Compound                   | 2.5            | 5     | 10    | 20    | 40    | 50    | 60    | 80    | Avg   | %RSD |
|----------------------------|----------------|-------|-------|-------|-------|-------|-------|-------|-------|------|
| -----                      |                |       |       |       |       |       |       |       |       |      |
| 1) I 1,4-Dichlorobenzen... | -----ISTD----- |       |       |       |       |       |       |       |       |      |
| 2) 1,4-Dioxane             | 0.616          | 0.596 | 0.598 | 0.563 | 0.573 | 0.564 | 0.525 | 0.577 | 5.24  |      |
| 3) Pyridine                | 1.579          | 1.520 | 1.486 | 1.360 | 1.364 | 1.346 | 1.242 | 1.414 | 8.34  |      |
| 4) n-Nitrosodimet...       | 0.716          | 0.715 | 0.709 | 0.678 | 0.688 | 0.688 | 0.644 | 0.691 | 3.71  |      |
| 5) S 2-Fluorophenol        | 1.453          | 1.400 | 1.378 | 1.248 | 1.236 | 1.227 | 1.121 | 1.295 | 9.11  |      |
| 6) Aniline                 | 1.656          | 1.583 | 1.561 | 1.424 | 1.385 | 1.360 | 1.222 | 1.456 | 10.39 |      |
| 7) S Phenol-d6             | 1.834          | 1.773 | 1.736 | 1.566 | 1.569 | 1.547 | 1.454 | 1.640 | 8.56  |      |
| 8) 2-Chlorophenol          | 1.561          | 1.476 | 1.458 | 1.345 | 1.338 | 1.321 | 1.225 | 1.389 | 8.20  |      |
| 9) Benzaldehyde            | 1.215          | 1.139 | 1.040 | 0.849 | 0.782 | 0.771 |       | 0.966 | 19.81 |      |
| 10) C Phenol               | 1.943          | 1.902 | 1.861 | 1.701 | 1.665 | 1.668 | 1.548 | 1.756 | 8.38  |      |
| 11) bis(2-Chloroet...      | 1.445          | 1.372 | 1.363 | 1.256 | 1.279 | 1.264 | 1.178 | 1.308 | 6.86  |      |
| 12) 1,3-Dichlorobe...      | 1.714          | 1.662 | 1.648 | 1.476 | 1.506 | 1.466 | 1.372 | 1.549 | 8.14  |      |
| 13) C 1,4-Dichlorobe...    | 1.766          | 1.653 | 1.668 | 1.495 | 1.495 | 1.480 | 1.370 | 1.561 | 8.81  |      |
| 14) 1,2-Dichlorobe...      | 1.670          | 1.579 | 1.572 | 1.382 | 1.388 | 1.363 | 1.239 | 1.456 | 10.50 |      |
| 15) Benzyl Alcohol         | 1.291          | 1.240 | 1.244 | 1.158 | 1.164 | 1.144 | 1.048 | 1.184 | 6.85  |      |
| 16) 2,2'-oxybis(1-...      | 2.046          | 1.913 | 1.939 | 1.766 | 1.746 | 1.730 | 1.640 | 1.826 | 7.82  |      |
| 17) 2-Methylphenol         | 1.209          | 1.175 | 1.182 | 1.088 | 1.091 | 1.077 | 1.027 | 1.121 | 6.00  |      |
| 18) Hexachloroethane       | 0.610          | 0.591 | 0.595 | 0.548 | 0.551 | 0.550 | 0.507 | 0.565 | 6.35  |      |
| 19) P n-Nitroso-di-n...    | 1.062          | 1.068 | 1.011 | 1.009 | 0.906 | 0.915 | 0.902 | 0.854 | 0.966 | 8.40 |
| 20) 3+4-Methylphenols      | 1.631          | 1.529 | 1.527 | 1.375 | 1.342 | 1.319 | 1.180 | 1.415 | 10.93 |      |
| -----                      |                |       |       |       |       |       |       |       |       |      |
| 21) I Naphthalene-d8       | -----ISTD----- |       |       |       |       |       |       |       |       |      |
| 22) Acetophenone           | 0.539          | 0.516 | 0.507 | 0.445 | 0.455 | 0.449 | 0.417 | 0.475 | 9.43  |      |
| 23) S Nitrobenzene-d5      | 0.400          | 0.390 | 0.394 | 0.365 | 0.370 | 0.372 | 0.349 | 0.377 | 4.82  |      |
| 24) Nitrobenzene           | 0.419          | 0.410 | 0.411 | 0.377 | 0.384 | 0.388 | 0.364 | 0.393 | 5.20  |      |
| 25) Isophorone             | 0.692          | 0.668 | 0.674 | 0.617 | 0.629 | 0.628 | 0.605 | 0.645 | 5.09  |      |
| 26) C 2-Nitrophenol        | 0.161          | 0.173 | 0.190 | 0.178 | 0.184 | 0.187 | 0.179 | 0.179 | 5.30  |      |
| 27) 2,4-Dimethylph...      | 0.252          | 0.244 | 0.250 | 0.236 | 0.239 | 0.238 | 0.229 | 0.241 | 3.27  |      |
| 28) bis(2-Chloroet...      | 0.435          | 0.419 | 0.430 | 0.387 | 0.393 | 0.393 | 0.377 | 0.405 | 5.61  |      |
| 29) C 2,4-Dichloroph...    | 0.296          | 0.296 | 0.300 | 0.277 | 0.286 | 0.284 | 0.266 | 0.287 | 4.31  |      |
| 30) 1,2,4-Trichlor...      | 0.356          | 0.344 | 0.348 | 0.314 | 0.317 | 0.316 | 0.299 | 0.328 | 6.49  |      |
| 31) Naphthalene            | 1.178          | 1.126 | 1.131 | 0.998 | 1.023 | 0.997 | 0.929 | 1.055 | 8.60  |      |
| 32) Benzoic acid           | 0.182          | 0.211 | 0.231 | 0.238 | 0.251 | 0.258 | 0.250 | 0.231 | 11.68 |      |
| 33) 4-Chloroaniline        | 0.397          | 0.390 | 0.386 | 0.345 | 0.349 | 0.355 | 0.331 | 0.365 | 7.09  |      |
| 34) C Hexachlorobuta...    | 0.213          | 0.207 | 0.208 | 0.188 | 0.194 | 0.191 | 0.180 | 0.197 | 6.17  |      |
| 35) Caprolactam            | 0.096          | 0.092 | 0.099 | 0.091 | 0.094 | 0.094 | 0.091 | 0.094 | 3.00  |      |
| 36) C 4-Chloro-3-met...    | 0.331          | 0.322 | 0.327 | 0.302 | 0.313 | 0.307 | 0.293 | 0.313 | 4.39  |      |
| 37) 2-Methylnaphth...      | 0.751          | 0.719 | 0.710 | 0.638 | 0.654 | 0.637 | 0.595 | 0.672 | 8.30  |      |
| 38) 1-Methylnaphth...      | 0.747          | 0.712 | 0.710 | 0.625 | 0.635 | 0.627 | 0.581 | 0.662 | 9.11  |      |

Method Path : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\  
 Method File : 8270-BF011025.M

|       |                   |                |       |       |       |       |       |       |       |       |  |
|-------|-------------------|----------------|-------|-------|-------|-------|-------|-------|-------|-------|--|
| 39) I | Acenaphthene-d10  | -----ISTD----- |       |       |       |       |       |       |       |       |  |
| 40)   | 1,2,4,5-Tetrac... | 0.632          | 0.601 | 0.604 | 0.554 | 0.552 | 0.554 | 0.520 | 0.574 | 6.83  |  |
| 41) P | Hexachlorocycl... | 0.170          | 0.181 | 0.201 | 0.200 | 0.189 | 0.191 | 0.182 | 0.188 | 5.74  |  |
| 42) S | 2,4,6-Tribromo... | 0.233          | 0.233 | 0.235 | 0.219 | 0.230 | 0.226 | 0.220 | 0.228 | 2.96  |  |
| 43) C | 2,4,6-Trichlor... | 0.399          | 0.384 | 0.412 | 0.380 | 0.382 | 0.377 | 0.377 | 0.387 | 3.37  |  |
| 44)   | 2,4,5-Trichlor... | 0.429          | 0.419 | 0.418 | 0.401 | 0.411 | 0.407 | 0.377 | 0.409 | 4.07  |  |
| 45) S | 2-Fluorobiphenyl  | 1.582          | 1.459 | 1.408 | 1.225 | 1.224 | 1.176 | 1.094 | 1.310 | 13.42 |  |
| 46)   | 1,1'-Biphenyl     | 1.761          | 1.671 | 1.654 | 1.490 | 1.491 | 1.452 | 1.354 | 1.553 | 9.28  |  |
| 47)   | 2-Chloronaphth... | 1.345          | 1.288 | 1.273 | 1.164 | 1.174 | 1.145 | 1.079 | 1.210 | 7.78  |  |
| 48)   | 2-Nitroaniline    | 0.360          | 0.358 | 0.365 | 0.351 | 0.365 | 0.365 | 0.347 | 0.359 | 2.04  |  |
| 49)   | Acenaphthylene    | 1.915          | 1.820 | 1.830 | 1.660 | 1.678 | 1.654 | 1.540 | 1.728 | 7.54  |  |
| 50)   | Dimethylphthalate | 1.447          | 1.406 | 1.404 | 1.299 | 1.318 | 1.292 | 1.232 | 1.343 | 5.76  |  |
| 51)   | 2,6-Dinitrotol... | 0.308          | 0.317 | 0.328 | 0.312 | 0.315 | 0.312 | 0.294 | 0.312 | 3.27  |  |
| 52) C | Acenaphthene      | 1.317          | 1.267 | 1.274 | 1.165 | 1.185 | 1.160 | 1.086 | 1.208 | 6.69  |  |
| 53)   | 3-Nitroaniline    | 0.321          | 0.324 | 0.333 | 0.316 | 0.320 | 0.312 | 0.295 | 0.317 | 3.73  |  |
| 54) P | 2,4-Dinitrophenol | 0.097          | 0.133 | 0.155 | 0.168 | 0.167 | 0.171 | 0.148 |       | 19.39 |  |
| 55)   | Dibenzofuran      | 1.866          | 1.736 | 1.738 | 1.586 | 1.585 | 1.546 | 1.440 | 1.642 | 8.77  |  |
| 56) P | 4-Nitrophenol     | 0.224          | 0.241 | 0.255 | 0.250 | 0.264 | 0.258 | 0.248 | 0.248 | 5.29  |  |
| 57)   | 2,4-Dinitrotol... | 0.372          | 0.401 | 0.423 | 0.395 | 0.424 | 0.411 | 0.390 | 0.402 | 4.69  |  |
| 58)   | Fluorene          | 1.488          | 1.403 | 1.359 | 1.197 | 1.213 | 1.182 | 1.091 | 1.276 | 11.13 |  |
| 59)   | 2,3,4,6-Tetrac... | 0.353          | 0.358 | 0.354 | 0.332 | 0.333 | 0.337 | 0.313 | 0.340 | 4.72  |  |
| 60)   | Diethylphthalate  | 1.416          | 1.397 | 1.378 | 1.253 | 1.289 | 1.257 | 1.186 | 1.311 | 6.64  |  |
| 61)   | 4-Chlorophenyl... | 0.709          | 0.672 | 0.663 | 0.594 | 0.593 | 0.584 | 0.540 | 0.622 | 9.65  |  |
| 62)   | 4-Nitroaniline    | 0.314          | 0.312 | 0.315 | 0.300 | 0.323 | 0.315 | 0.295 | 0.311 | 3.12  |  |
| 63)   | Azobenzene        | 1.430          | 1.363 | 1.353 | 1.245 | 1.264 | 1.233 | 1.166 | 1.293 | 7.05  |  |
| 64) I | Phenanthrene-d10  | -----ISTD----- |       |       |       |       |       |       |       |       |  |
| 65)   | 4,6-Dinitro-2-... | 0.077          | 0.095 | 0.120 | 0.129 | 0.130 | 0.132 | 0.128 | 0.116 | 18.43 |  |
| 66) c | n-Nitrosodiphe... | 0.706          | 0.677 | 0.683 | 0.651 | 0.603 | 0.622 | 0.574 | 0.645 | 7.39  |  |
| 67)   | 4-Bromophenyl-... | 0.241          | 0.237 | 0.238 | 0.232 | 0.220 | 0.229 | 0.215 | 0.230 | 4.20  |  |
| 68)   | Hexachlorobenzene | 0.273          | 0.263 | 0.266 | 0.257 | 0.244 | 0.252 | 0.239 | 0.256 | 4.81  |  |
| 69)   | Atrazine          | 0.213          | 0.201 | 0.170 | 0.141 | 0.184 | 0.169 | 0.138 | 0.174 | 16.26 |  |
| 70) C | Pentachlorophenol | 0.142          | 0.162 | 0.171 | 0.173 | 0.169 | 0.171 | 0.160 | 0.164 | 6.59  |  |
| 71)   | Phenanthrene      | 1.218          | 1.152 | 1.122 | 1.064 | 1.014 | 1.012 | 0.935 | 1.074 | 8.98  |  |
| 72)   | Anthracene        | 1.162          | 1.111 | 1.095 | 1.042 | 0.994 | 0.997 | 0.908 | 1.044 | 8.22  |  |
| 73)   | Carbazole         | 1.052          | 1.025 | 1.011 | 0.944 | 0.935 | 0.901 | 0.833 | 0.957 | 8.09  |  |
| 74)   | Di-n-butylphth... | 1.186          | 1.177 | 1.139 | 1.087 | 1.079 | 1.043 | 0.958 | 1.096 | 7.33  |  |
| 75) C | Fluoranthene      | 1.211          | 1.188 | 1.104 | 1.037 | 1.051 | 0.987 | 0.923 | 1.071 | 9.70  |  |
| 76) I | Chrysene-d12      | -----ISTD----- |       |       |       |       |       |       |       |       |  |
| 77)   | Benzidine         | 0.380          | 0.309 | 0.310 | 0.409 | 0.340 | 0.418 | 0.430 | 0.371 | 13.83 |  |
| 78)   | Pyrene            | 1.952          | 1.977 | 2.081 | 1.848 | 1.839 | 1.955 | 1.720 | 1.910 | 6.14  |  |
| 79) S | Terphenyl-d14     | 1.444          | 1.424 | 1.483 | 1.272 | 1.280 | 1.352 | 1.164 | 1.346 | 8.44  |  |
| 80)   | Butylbenzylpht... | 0.583          | 0.629 | 0.663 | 0.614 | 0.677 | 0.669 | 0.623 | 0.637 | 5.39  |  |
| 81)   | Benzo(a)anthra... | 1.473          | 1.420 | 1.427 | 1.245 | 1.329 | 1.367 | 1.266 | 1.361 | 6.28  |  |
| 82)   | 3,3'-Dichlorob... | 0.434          | 0.422 | 0.444 | 0.418 | 0.426 | 0.441 | 0.448 | 0.433 | 2.72  |  |
| 83)   | Chrysene          | 1.382          | 1.316 | 1.336 | 1.207 | 1.237 | 1.238 | 1.200 | 1.274 | 5.54  |  |
| 84)   | Bis(2-ethylhex... | 0.734          | 0.768 | 0.807 | 0.726 | 0.819 | 0.783 | 0.712 | 0.764 | 5.41  |  |
| 85) c | Di-n-octyl pht... | 0.950          | 1.039 | 1.169 | 1.151 | 1.235 | 1.244 | 1.291 | 1.154 | 10.51 |  |

Method Path : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\  
Method File : 8270-BF011025.M

|       |                   |                |       |       |       |       |       |       |       |      |
|-------|-------------------|----------------|-------|-------|-------|-------|-------|-------|-------|------|
| 86) I | Perylene-d12      | -----ISTD----- |       |       |       |       |       |       |       |      |
| 87)   | Indeno(1,2,3-c... | 1.472          | 1.420 | 1.558 | 1.472 | 1.421 | 1.539 | 1.374 | 1.465 | 4.55 |
| 88)   | Benzo(b)fluora... | 1.461          | 1.415 | 1.290 | 1.201 | 1.315 | 1.191 | 1.156 | 1.290 | 9.03 |
| 89)   | Benzo(k)fluora... | 1.128          | 1.102 | 1.141 | 1.043 | 1.038 | 1.103 | 1.074 | 1.090 | 3.67 |
| 90) C | Benzo(a)pyrene    | 1.103          | 1.090 | 1.095 | 1.039 | 1.048 | 1.067 | 1.007 | 1.064 | 3.29 |
| 91)   | Dibenzo(a,h)an... | 1.174          | 1.178 | 1.262 | 1.197 | 1.150 | 1.247 | 1.088 | 1.185 | 4.95 |
| 92)   | Benzo(g,h,i)pe... | 1.256          | 1.221 | 1.347 | 1.263 | 1.195 | 1.296 | 1.051 | 1.233 | 7.65 |

(#) = Out of Range

7C

## SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: TETR06  
Lab Code: CHEM Case No.: Q1122 SAS No.: Q1122 SDG No.: Q1122  
Instrument ID: BNA\_F Calibration Date/Time: 01/20/2025 10:37  
Lab File ID: BF141212.D Init. Calib. Date(s): 01/10/2025 01/10/2025  
EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 11:58 17:45  
GC Column: DB-UI ID: 0.18 (mm)

| COMPOUND                    | RRF   | RRF040 | MIN<br>RRF | %D    | MAX%D |
|-----------------------------|-------|--------|------------|-------|-------|
| 2-Fluorophenol              | 1.295 | 1.234  |            | -4.7  |       |
| Benzaldehyde                | 0.966 | 1.104  |            | 14.3  |       |
| Phenol-d6                   | 1.640 | 1.572  |            | -4.1  |       |
| Phenol                      | 1.756 | 1.659  |            | -5.5  | 20.0  |
| bis(2-Chloroethyl)ether     | 1.308 | 1.256  |            | -4.0  |       |
| 2-Chlorophenol              | 1.389 | 1.356  |            | -2.4  |       |
| 2-Methylphenol              | 1.121 | 1.090  |            | -2.8  |       |
| 2,2-oxybis(1-Chloropropane) | 1.826 | 1.644  |            | -10.0 |       |
| Acetophenone                | 0.475 | 0.460  |            | -3.2  |       |
| 3+4-Methylphenols           | 1.415 | 1.363  |            | -3.7  |       |
| n-Nitroso-di-n-propylamine  | 0.966 | 0.910  | 0.050      | -5.8  |       |
| Nitrobenzene-d5             | 0.377 | 0.372  |            | -1.3  |       |
| Hexachloroethane            | 0.565 | 0.552  |            | -2.3  |       |
| Nitrobenzene                | 0.393 | 0.384  |            | -2.3  |       |
| Isophorone                  | 0.645 | 0.635  |            | -1.5  |       |
| 2-Nitrophenol               | 0.179 | 0.188  |            | 5.0   | 20.0  |
| 2,4-Dimethylphenol          | 0.241 | 0.238  |            | -1.2  |       |
| bis(2-Chloroethoxy)methane  | 0.405 | 0.395  |            | -2.5  |       |
| 2,4-Dichlorophenol          | 0.287 | 0.291  |            | 1.4   | 20.0  |
| Naphthalene                 | 1.055 | 1.037  |            | -1.7  |       |
| 4-Chloroaniline             | 0.365 | 0.318  |            | -12.9 |       |
| Hexachlorobutadiene         | 0.197 | 0.198  |            | 0.5   | 20.0  |
| Caprolactam                 | 0.094 | 0.094  |            | 0.0   |       |
| 4-Chloro-3-methylphenol     | 0.313 | 0.319  |            | 1.9   | 20.0  |
| 2-Methylnaphthalene         | 0.672 | 0.666  |            | -0.9  |       |
| Hexachlorocyclopentadiene   | 0.188 | 0.196  | 0.050      | 4.3   |       |
| 2,4,6-Trichlorophenol       | 0.387 | 0.400  |            | 3.4   | 20.0  |
| 2-Fluorobiphenyl            | 1.310 | 1.265  |            | -3.4  |       |
| 2,4,5-Trichlorophenol       | 0.409 | 0.408  |            | -0.2  |       |
| 1,1-Biphenyl                | 1.553 | 1.513  |            | -2.6  |       |
| 2-Chloronaphthalene         | 1.210 | 1.184  |            | -2.1  |       |
| 2-Nitroaniline              | 0.359 | 0.356  |            | -0.8  |       |
| Dimethylphthalate           | 1.343 | 1.332  |            | -0.8  |       |
| Acenaphthylene              | 1.728 | 1.693  |            | -2.0  |       |
| 2,6-Dinitrotoluene          | 0.312 | 0.314  |            | 0.6   |       |
| 3-Nitroaniline              | 0.317 | 0.321  |            | 1.3   |       |
| Acenaphthene                | 1.208 | 1.205  |            | -0.2  | 20.0  |
| 2,4-Dinitrophenol           | 0.148 | 0.172  | 0.050      | 16.2  |       |
| 4-Nitrophenol               | 0.248 | 0.262  | 0.050      | 5.6   |       |

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q1122 SAS No.: Q1122 SDG No.: Q1122

Instrument ID: BNA\_F Calibration Date/Time: 01/20/2025 10:37

Lab File ID: BF141212.D Init. Calib. Date(s): 01/10/2025 01/10/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 11:58 17:45

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

| COMPOUND                   | RRF   | RRF040 | MIN<br>RRF | %D    | MAX%D |
|----------------------------|-------|--------|------------|-------|-------|
| Dibenzofuran               | 1.642 | 1.608  |            | -2.1  |       |
| 2,4-Dinitrotoluene         | 0.402 | 0.422  |            | 5.0   |       |
| Diethylphthalate           | 1.311 | 1.307  |            | -0.3  |       |
| 4-Chlorophenyl-phenylether | 0.622 | 0.621  |            | -0.2  |       |
| Fluorene                   | 1.276 | 1.259  |            | -1.3  |       |
| 4-Nitroaniline             | 0.311 | 0.329  |            | 5.8   |       |
| 4,6-Dinitro-2-methylphenol | 0.116 | 0.140  |            | 20.7  |       |
| n-Nitrosodiphenylamine     | 0.645 | 0.637  |            | -1.2  | 20.0  |
| 2,4,6-Tribromophenol       | 0.228 | 0.244  |            | 7.0   |       |
| 4-Bromophenyl-phenylether  | 0.230 | 0.236  |            | 2.6   |       |
| Hexachlorobenzene          | 0.256 | 0.269  |            | 5.1   |       |
| Atrazine                   | 0.174 | 0.199  |            | 14.4  |       |
| Pentachlorophenol          | 0.164 | 0.177  |            | 7.9   | 20.0  |
| Phenanthrene               | 1.074 | 1.075  |            | 0.1   |       |
| Anthracene                 | 1.044 | 1.064  |            | 1.9   |       |
| Carbazole                  | 0.957 | 0.988  |            | 3.2   |       |
| Di-n-butylphthalate        | 1.096 | 1.156  |            | 5.5   |       |
| Fluoranthene               | 1.071 | 1.155  |            | 7.8   | 20.0  |
| Pyrene                     | 1.910 | 1.736  |            | -9.1  |       |
| Terphenyl-d14              | 1.346 | 1.246  |            | -7.4  |       |
| Butylbenzylphthalate       | 0.637 | 0.661  |            | 3.8   |       |
| 3,3-Dichlorobenzidine      | 0.433 | 0.378  |            | -12.7 |       |
| Benzo (a) anthracene       | 1.361 | 1.303  |            | -4.3  |       |
| Chrysene                   | 1.274 | 1.166  |            | -8.5  |       |
| Bis(2-ethylhexyl)phthalate | 0.764 | 0.793  |            | 3.8   |       |
| Di-n-octyl phthalate       | 1.154 | 1.147  |            | -0.6  | 20.0  |
| Benzo (b) fluoranthene     | 1.290 | 1.336  |            | 3.6   |       |
| Benzo (k) fluoranthene     | 1.090 | 1.084  |            | -0.6  |       |
| Benzo (a) pyrene           | 1.064 | 1.069  |            | 0.5   | 20.0  |
| Indeno (1,2,3-cd) pyrene   | 1.465 | 1.369  |            | -6.6  |       |
| Dibenzo (a,h) anthracene   | 1.185 | 1.117  |            | -5.7  |       |
| Benzo (g,h,i) perylene     | 1.233 | 1.134  |            | -8.0  |       |
| 1,2,4,5-Tetrachlorobenzene | 0.574 | 0.569  |            | -0.9  |       |
| 1,4-Dioxane                | 0.577 | 0.544  |            | -5.7  | 20.0  |
| 2,3,4,6-Tetrachlorophenol  | 0.340 | 0.349  |            | 2.6   |       |

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.: Q1122 SAS No.: Q1122 SDG No.: Q1122

Instrument ID: BNA\_F Calibration Date/Time: 01/20/2025 16:58

Lab File ID: BF141226.D Init. Calib. Date(s): 01/10/2025 01/10/2025

EPA Sample No.: SSTDCCC040EC Init. Calib. Time(s): 11:58 17:45

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

| COMPOUND                    | RRF   | RRF040 | MIN<br>RRF | %D    | MAX%D |
|-----------------------------|-------|--------|------------|-------|-------|
| 2-Fluorophenol              | 1.295 | 1.230  |            | -5.0  | 50.0  |
| Benzaldehyde                | 0.966 | 1.176  |            | 21.7  | 50.0  |
| Phenol-d6                   | 1.640 | 1.569  |            | -4.3  | 50.0  |
| Phenol                      | 1.756 | 1.658  |            | -5.6  | 50.0  |
| bis(2-Chloroethyl)ether     | 1.308 | 1.274  |            | -2.6  | 50.0  |
| 2-Chlorophenol              | 1.389 | 1.351  |            | -2.7  | 50.0  |
| 2-Methylphenol              | 1.121 | 1.085  |            | -3.2  | 50.0  |
| 2,2-oxybis(1-Chloropropane) | 1.826 | 1.656  |            | -9.3  | 50.0  |
| Acetophenone                | 0.475 | 0.458  |            | -3.6  | 50.0  |
| 3+4-Methylphenols           | 1.415 | 1.331  |            | -5.9  | 50.0  |
| n-Nitroso-di-n-propylamine  | 0.966 | 0.912  | 0.050      | -5.6  | 50.0  |
| Nitrobenzene-d5             | 0.377 | 0.373  |            | -1.1  | 50.0  |
| Hexachloroethane            | 0.565 | 0.564  |            | -0.2  | 50.0  |
| Nitrobenzene                | 0.393 | 0.384  |            | -2.3  | 50.0  |
| Isophorone                  | 0.645 | 0.633  |            | -1.9  | 50.0  |
| 2-Nitrophenol               | 0.179 | 0.191  |            | 6.7   | 50.0  |
| 2,4-Dimethylphenol          | 0.241 | 0.235  |            | -2.5  | 50.0  |
| bis(2-Chloroethoxy)methane  | 0.405 | 0.405  |            | 0.0   | 50.0  |
| 2,4-Dichlorophenol          | 0.287 | 0.296  |            | 3.1   | 50.0  |
| Naphthalene                 | 1.055 | 1.038  |            | -1.6  | 50.0  |
| 4-Chloroaniline             | 0.365 | 0.310  |            | -15.1 | 50.0  |
| Hexachlorobutadiene         | 0.197 | 0.203  |            | 3.0   | 50.0  |
| Caprolactam                 | 0.094 | 0.092  |            | -2.1  | 50.0  |
| 4-Chloro-3-methylphenol     | 0.313 | 0.312  |            | -0.3  | 50.0  |
| 2-Methylnaphthalene         | 0.672 | 0.666  |            | -0.9  | 50.0  |
| Hexachlorocyclopentadiene   | 0.188 | 0.194  | 0.050      | 3.2   | 50.0  |
| 2,4,6-Trichlorophenol       | 0.387 | 0.389  |            | 0.5   | 50.0  |
| 2-Fluorobiphenyl            | 1.310 | 1.257  |            | -4.0  | 50.0  |
| 2,4,5-Trichlorophenol       | 0.409 | 0.411  |            | 0.5   | 50.0  |
| 1,1-Biphenyl                | 1.553 | 1.493  |            | -3.9  | 50.0  |
| 2-Chloronaphthalene         | 1.210 | 1.166  |            | -3.6  | 50.0  |
| 2-Nitroaniline              | 0.359 | 0.344  |            | -4.2  | 50.0  |
| Dimethylphthalate           | 1.343 | 1.304  |            | -2.9  | 50.0  |
| Acenaphthylene              | 1.728 | 1.651  |            | -4.5  | 50.0  |
| 2,6-Dinitrotoluene          | 0.312 | 0.311  |            | -0.3  | 50.0  |
| 3-Nitroaniline              | 0.317 | 0.298  |            | -6.0  | 50.0  |
| Acenaphthene                | 1.208 | 1.177  |            | -2.6  | 50.0  |
| 2,4-Dinitrophenol           | 0.148 | 0.167  | 0.050      | 12.8  | 50.0  |
| 4-Nitrophenol               | 0.248 | 0.231  | 0.050      | -6.9  | 50.0  |

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## SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: TETR06  
Lab Code: CHEM Case No.: Q1122 SAS No.: Q1122 SDG No.: Q1122  
Instrument ID: BNA\_F Calibration Date/Time: 01/20/2025 16:58  
Lab File ID: BF141226.D Init. Calib. Date(s): 01/10/2025 01/10/2025  
EPA Sample No.: SSTDCCC040EC Init. Calib. Time(s): 11:58 17:45  
GC Column: DB-UI ID: 0.18 (mm)

| COMPOUND                   | RRF   | RRF040 | MIN<br>RRF | %D   | MAX%D |
|----------------------------|-------|--------|------------|------|-------|
| Dibenzofuran               | 1.642 | 1.570  |            | -4.4 | 50.0  |
| 2,4-Dinitrotoluene         | 0.402 | 0.407  |            | 1.2  | 50.0  |
| Diethylphthalate           | 1.311 | 1.270  |            | -3.1 | 50.0  |
| 4-Chlorophenyl-phenylether | 0.622 | 0.618  |            | -0.6 | 50.0  |
| Fluorene                   | 1.276 | 1.219  |            | -4.5 | 50.0  |
| 4-Nitroaniline             | 0.311 | 0.293  |            | -5.8 | 50.0  |
| 4,6-Dinitro-2-methylphenol | 0.116 | 0.141  |            | 21.6 | 50.0  |
| n-Nitrosodiphenylamine     | 0.645 | 0.658  |            | 2.0  | 50.0  |
| 2,4,6-Tribromophenol       | 0.228 | 0.235  |            | 3.1  | 50.0  |
| 4-Bromophenyl-phenylether  | 0.230 | 0.244  |            | 6.1  | 50.0  |
| Hexachlorobenzene          | 0.256 | 0.274  |            | 7.0  | 50.0  |
| Atrazine                   | 0.174 | 0.198  |            | 13.8 | 50.0  |
| Pentachlorophenol          | 0.164 | 0.176  |            | 7.3  | 50.0  |
| Phenanthrene               | 1.074 | 1.078  |            | 0.4  | 50.0  |
| Anthracene                 | 1.044 | 1.048  |            | 0.4  | 50.0  |
| Carbazole                  | 0.957 | 0.937  |            | -2.1 | 50.0  |
| Di-n-butylphthalate        | 1.096 | 1.144  |            | 4.4  | 50.0  |
| Fluoranthene               | 1.071 | 1.059  |            | -1.1 | 50.0  |
| Pyrene                     | 1.910 | 1.911  |            | 0.1  | 50.0  |
| Terphenyl-d14              | 1.346 | 1.362  |            | 1.2  | 50.0  |
| Butylbenzylphthalate       | 0.637 | 0.666  |            | 4.6  | 50.0  |
| 3,3-Dichlorobenzidine      | 0.433 | 0.428  |            | -1.2 | 50.0  |
| Benzo (a) anthracene       | 1.361 | 1.289  |            | -5.3 | 50.0  |
| Chrysene                   | 1.274 | 1.233  |            | -3.2 | 50.0  |
| Bis(2-ethylhexyl)phthalate | 0.764 | 0.785  |            | 2.7  | 50.0  |
| Di-n-octyl phthalate       | 1.154 | 1.216  |            | 5.4  | 50.0  |
| Benzo (b) fluoranthene     | 1.290 | 1.184  |            | -8.2 | 50.0  |
| Benzo (k) fluoranthene     | 1.090 | 1.058  |            | -2.9 | 50.0  |
| Benzo (a) pyrene           | 1.064 | 1.040  |            | -2.3 | 50.0  |
| Indeno (1,2,3-cd) pyrene   | 1.465 | 1.455  |            | -0.7 | 50.0  |
| Dibenzo (a,h) anthracene   | 1.185 | 1.189  |            | 0.3  | 50.0  |
| Benzo (g,h,i) perylene     | 1.233 | 1.230  |            | -0.2 | 50.0  |
| 1,2,4,5-Tetrachlorobenzene | 0.574 | 0.565  |            | -1.6 | 50.0  |
| 1,4-Dioxane                | 0.577 | 0.525  |            | -9.0 | 50.0  |
| 2,3,4,6-Tetrachlorophenol  | 0.340 | 0.331  |            | -2.6 | 50.0  |

All other compounds must meet a minimum RRF of 0.010.

LAB CHRONICLE

|          |                      |            |                               |
|----------|----------------------|------------|-------------------------------|
| OrderID: | Q1122                | OrderDate: | 1/17/2025 8:43:00 AM          |
| Client:  | Tetra Tech NUS, Inc. | Project:   | NWIRP Bethpage 112G08005-WE13 |
| Contact: | Ernie Wu             | Location:  | E11,M11                       |

| LabID    | ClientID       | Matrix | Test          | Method | Sample Date | Prep Date | Anal Date | Received |
|----------|----------------|--------|---------------|--------|-------------|-----------|-----------|----------|
| Q1122-01 | RW10A-20250116 | WATER  |               |        | 01/16/25    |           |           | 01/16/25 |
|          |                |        | PCB           | 8082A  |             | 01/17/25  | 01/20/25  |          |
|          |                |        | Pesticide-TCL | 8081B  |             | 01/17/25  | 01/20/25  |          |

**Hit Summary Sheet**  
SW-846

**SDG No.:** Q1122

**Order ID:** Q1122

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

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

| Sample ID | Client ID | Matrix | Parameter | Concentration | C | MDL | LOD | RDL | Units |
|-----------|-----------|--------|-----------|---------------|---|-----|-----|-----|-------|
|-----------|-----------|--------|-----------|---------------|---|-----|-----|-----|-------|

Client ID :

**Total Concentration: 0.000**



# SAMPLE DATA

## Report of Analysis

|                    |                               |           |                    |               |           |
|--------------------|-------------------------------|-----------|--------------------|---------------|-----------|
| Client:            | Tetra Tech NUS, Inc.          |           | Date Collected:    | 01/16/25      |           |
| Project:           | NWIRP Bethpage 112G08005-WE13 |           | Date Received:     | 01/16/25      |           |
| Client Sample ID:  | RW10A-20250116                |           | SDG No.:           | Q1122         |           |
| Lab Sample ID:     | Q1122-01                      |           | Matrix:            | WATER         |           |
| Analytical Method: | SW8081                        |           | % Solid:           | 0             | Decanted: |
| Sample Wt/Vol:     | 490                           | Units: mL | Final Vol:         | 5000          | uL        |
| Soil Aliquot Vol:  |                               | uL        | Test:              | Pesticide-TCL |           |
| Extraction Type:   |                               |           | Injection Volume : |               |           |
| GPC Factor :       | 1.0                           | PH :      |                    |               |           |
| Prep Method :      | 3510C                         |           |                    |               |           |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| PL093705.D        | 1         | 01/17/25 11:25 | 01/20/25 13:28 | PB166101      |

| CAS Number        | Parameter            | Conc. | Qualifier | MDL      | LOD   | LOQ / CRQL | Units   |
|-------------------|----------------------|-------|-----------|----------|-------|------------|---------|
| <b>TARGETS</b>    |                      |       |           |          |       |            |         |
| 319-84-6          | alpha-BHC            | 0.026 | U         | 0.0062   | 0.026 | 0.051      | ug/L    |
| 319-85-7          | beta-BHC             | 0.026 | U         | 0.014    | 0.026 | 0.051      | ug/L    |
| 319-86-8          | delta-BHC            | 0.026 | U         | 0.015    | 0.026 | 0.051      | ug/L    |
| 58-89-9           | gamma-BHC (Lindane)  | 0.026 | U         | 0.0050   | 0.026 | 0.051      | ug/L    |
| 76-44-8           | Heptachlor           | 0.026 | U         | 0.0055   | 0.026 | 0.051      | ug/L    |
| 309-00-2          | Aldrin               | 0.026 | U         | 0.0045   | 0.026 | 0.051      | ug/L    |
| 1024-57-3         | Heptachlor epoxide   | 0.026 | U         | 0.0092   | 0.026 | 0.051      | ug/L    |
| 959-98-8          | Endosulfan I         | 0.026 | U         | 0.0051   | 0.026 | 0.051      | ug/L    |
| 60-57-1           | Dieldrin             | 0.026 | U         | 0.0048   | 0.026 | 0.051      | ug/L    |
| 72-55-9           | 4,4-DDE              | 0.026 | U         | 0.0046   | 0.026 | 0.051      | ug/L    |
| 72-20-8           | Endrin               | 0.010 | U         | 0.0044   | 0.010 | 0.051      | ug/L    |
| 33213-65-9        | Endosulfan II        | 0.026 | U         | 0.0077   | 0.026 | 0.051      | ug/L    |
| 72-54-8           | 4,4-DDD              | 0.026 | U         | 0.0094   | 0.026 | 0.051      | ug/L    |
| 1031-07-8         | Endosulfan Sulfate   | 0.026 | U         | 0.0036   | 0.026 | 0.051      | ug/L    |
| 50-29-3           | 4,4-DDT              | 0.026 | U         | 0.0045   | 0.026 | 0.051      | ug/L    |
| 72-43-5           | Methoxychlor         | 0.026 | U         | 0.011    | 0.026 | 0.051      | ug/L    |
| 53494-70-5        | Endrin ketone        | 0.026 | U         | 0.0099   | 0.026 | 0.051      | ug/L    |
| 7421-93-4         | Endrin aldehyde      | 0.026 | U         | 0.010    | 0.026 | 0.051      | ug/L    |
| 5103-71-9         | alpha-Chlordane      | 0.026 | U         | 0.0061   | 0.026 | 0.051      | ug/L    |
| 5103-74-2         | gamma-Chlordane      | 0.026 | U         | 0.0061   | 0.026 | 0.051      | ug/L    |
| 8001-35-2         | Toxaphene            | 0.51  | U         | 0.15     | 0.51  | 1.00       | ug/L    |
| <b>SURROGATES</b> |                      |       |           |          |       |            |         |
| 2051-24-3         | Decachlorobiphenyl   | 23.0  |           | 30 - 135 |       | 115%       | SPK: 20 |
| 877-09-8          | Tetrachloro-m-xylene | 21.3  |           | 44 - 124 |       | 106%       | SPK: 20 |

## Report of Analysis

|                    |                               |           |                    |               |           |
|--------------------|-------------------------------|-----------|--------------------|---------------|-----------|
| Client:            | Tetra Tech NUS, Inc.          |           | Date Collected:    | 01/16/25      |           |
| Project:           | NWIRP Bethpage 112G08005-WE13 |           | Date Received:     | 01/16/25      |           |
| Client Sample ID:  | RW10A-20250116                |           | SDG No.:           | Q1122         |           |
| Lab Sample ID:     | Q1122-01                      |           | Matrix:            | WATER         |           |
| Analytical Method: | SW8081                        |           | % Solid:           | 0             | Decanted: |
| Sample Wt/Vol:     | 490                           | Units: mL | Final Vol:         | 5000          | uL        |
| Soil Aliquot Vol:  |                               | uL        | Test:              | Pesticide-TCL |           |
| Extraction Type:   |                               |           | Injection Volume : |               |           |
| GPC Factor :       | 1.0                           | PH :      |                    |               |           |
| Prep Method :      | 3510C                         |           |                    |               |           |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| PL093705.D        | 1         | 01/17/25 11:25 | 01/20/25 13:28 | PB166101      |

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

### Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

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

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit



# QC SUMMARY

### Surrogate Summary

SDG No.: Q1122

Client: Tetra Tech NUS, Inc.

Analytical Method: 8081B

| Lab Sample ID    | Client ID        | Parameter            | Column | Spike | Result | Rec | Qual | Limits |      |
|------------------|------------------|----------------------|--------|-------|--------|-----|------|--------|------|
|                  |                  |                      |        |       |        |     |      | Low    | High |
| I.BLK-PL093481.D | PIBLK-PL093481.D | Decachlorobiphenyl   | 1      | 20    | 22.0   | 110 |      | 30     | 135  |
|                  |                  | Tetrachloro-m-xylene | 1      | 20    | 20.5   | 102 |      | 44     | 124  |
|                  |                  | Decachlorobiphenyl   | 2      | 20    | 21.4   | 107 |      | 30     | 135  |
|                  |                  | Tetrachloro-m-xylene | 2      | 20    | 19.9   | 100 |      | 44     | 124  |
| I.BLK-PL093694.D | PIBLK-PL093694.D | Decachlorobiphenyl   | 1      | 20    | 21.9   | 110 |      | 30     | 135  |
|                  |                  | Tetrachloro-m-xylene | 1      | 20    | 21.7   | 109 |      | 44     | 124  |
|                  |                  | Decachlorobiphenyl   | 2      | 20    | 19.4   | 97  |      | 30     | 135  |
|                  |                  | Tetrachloro-m-xylene | 2      | 20    | 21.5   | 107 |      | 44     | 124  |
| PB166101BL       | PB166101BL       | Decachlorobiphenyl   | 1      | 20    | 22.2   | 111 |      | 30     | 135  |
|                  |                  | Tetrachloro-m-xylene | 1      | 20    | 20.0   | 100 |      | 44     | 124  |
|                  |                  | Decachlorobiphenyl   | 2      | 20    | 21.1   | 105 |      | 30     | 135  |
|                  |                  | Tetrachloro-m-xylene | 2      | 20    | 19.2   | 96  |      | 44     | 124  |
| PB166101BS       | PB166101BS       | Decachlorobiphenyl   | 1      | 20    | 20.4   | 102 |      | 30     | 135  |
|                  |                  | Tetrachloro-m-xylene | 1      | 20    | 18.4   | 92  |      | 44     | 124  |
|                  |                  | Decachlorobiphenyl   | 2      | 20    | 19.7   | 99  |      | 30     | 135  |
|                  |                  | Tetrachloro-m-xylene | 2      | 20    | 17.9   | 90  |      | 44     | 124  |
| PB166101BSD      | PB166101BSD      | Decachlorobiphenyl   | 1      | 20    | 20.4   | 102 |      | 30     | 135  |
|                  |                  | Tetrachloro-m-xylene | 1      | 20    | 18.1   | 90  |      | 44     | 124  |
|                  |                  | Decachlorobiphenyl   | 2      | 20    | 19.7   | 99  |      | 30     | 135  |
|                  |                  | Tetrachloro-m-xylene | 2      | 20    | 17.3   | 87  |      | 44     | 124  |
| Q1122-01         | RW10A-20250116   | Decachlorobiphenyl   | 1      | 20    | 23.0   | 115 |      | 30     | 135  |
|                  |                  | Tetrachloro-m-xylene | 1      | 20    | 21.0   | 105 |      | 44     | 124  |
|                  |                  | Decachlorobiphenyl   | 2      | 20    | 22.8   | 114 |      | 30     | 135  |
|                  |                  | Tetrachloro-m-xylene | 2      | 20    | 21.3   | 106 |      | 44     | 124  |
| I.BLK-PL093706.D | PIBLK-PL093706.D | Decachlorobiphenyl   | 1      | 20    | 23.3   | 117 |      | 30     | 135  |
|                  |                  | Tetrachloro-m-xylene | 1      | 20    | 21.6   | 108 |      | 44     | 124  |
|                  |                  | Decachlorobiphenyl   | 2      | 20    | 23.0   | 115 |      | 30     | 135  |
|                  |                  | Tetrachloro-m-xylene | 2      | 20    | 21.1   | 105 |      | 44     | 124  |

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

SW-846

SDG No.: Q1122

Client: Tetra Tech NUS, Inc.

Analytical Method: **8081B**

Datafile : PL093702.D

| Lab Sample ID | Parameter           | Spike | Result | Units | Rec | RPD | Qual | RPD  |     | Limits |     |
|---------------|---------------------|-------|--------|-------|-----|-----|------|------|-----|--------|-----|
|               |                     |       |        |       |     |     |      | Qual | Low | High   | RPD |
| PB166101BS    | alpha-BHC           | 0.5   | 0.49   | ug/L  | 97  |     |      |      | 54  | 138    |     |
|               | beta-BHC            | 0.5   | 0.50   | ug/L  | 100 |     |      |      | 56  | 136    |     |
|               | delta-BHC           | 0.5   | 0.48   | ug/L  | 95  |     |      |      | 52  | 142    |     |
|               | gamma-BHC (Lindane) | 0.5   | 0.48   | ug/L  | 96  |     |      |      | 59  | 134    |     |
|               | Heptachlor          | 0.5   | 0.49   | ug/L  | 98  |     |      |      | 54  | 130    |     |
|               | Aldrin              | 0.5   | 0.47   | ug/L  | 95  |     |      |      | 45  | 134    |     |
|               | Heptachlor epoxide  | 0.5   | 0.48   | ug/L  | 97  |     |      |      | 61  | 133    |     |
|               | Endosulfan I        | 0.5   | 0.51   | ug/L  | 101 |     |      |      | 62  | 126    |     |
|               | Dieldrin            | 0.5   | 0.50   | ug/L  | 100 |     |      |      | 60  | 136    |     |
|               | 4,4'-DDE            | 0.5   | 0.51   | ug/L  | 102 |     |      |      | 57  | 135    |     |
|               | Endrin              | 0.5   | 0.50   | ug/L  | 100 |     |      |      | 60  | 138    |     |
|               | Endosulfan II       | 0.5   | 0.53   | ug/L  | 105 |     |      |      | 52  | 135    |     |
|               | 4,4'-DDD            | 0.5   | 0.55   | ug/L  | 109 |     |      |      | 56  | 143    |     |
|               | Endosulfan sulfate  | 0.5   | 0.51   | ug/L  | 103 |     |      |      | 62  | 133    |     |
|               | 4,4'-DDT            | 0.5   | 0.51   | ug/L  | 102 |     |      |      | 51  | 143    |     |
|               | Methoxychlor        | 0.5   | 0.48   | ug/L  | 97  |     |      |      | 54  | 145    |     |
|               | Endrin ketone       | 0.5   | 0.52   | ug/L  | 105 |     |      |      | 58  | 134    |     |
|               | Endrin aldehyde     | 0.5   | 0.50   | ug/L  | 100 |     |      |      | 51  | 132    |     |
|               | alpha-Chlordane     | 0.5   | 0.50   | ug/L  | 100 |     |      |      | 60  | 129    |     |
|               | gamma-Chlordane     | 0.5   | 0.51   | ug/L  | 101 |     |      |      | 56  | 136    |     |

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

SW-846

SDG No.: Q1122

Client: Tetra Tech NUS, Inc.

Analytical Method: **8081B**

Datafile : PL093703.D

| Lab Sample ID | Parameter           | Spike | Result | Units | Rec | RPD | Qual | RPD  |     | Limits |     |
|---------------|---------------------|-------|--------|-------|-----|-----|------|------|-----|--------|-----|
|               |                     |       |        |       |     |     |      | Qual | Low | High   | RPD |
| PB166101BSD   | alpha-BHC           | 0.5   | 0.47   | ug/L  | 93  | 4   |      |      | 54  | 138    | 20  |
|               | beta-BHC            | 0.5   | 0.48   | ug/L  | 96  | 4   |      |      | 56  | 136    | 20  |
|               | delta-BHC           | 0.5   | 0.47   | ug/L  | 93  | 2   |      |      | 52  | 142    | 20  |
|               | gamma-BHC (Lindane) | 0.5   | 0.46   | ug/L  | 92  | 4   |      |      | 59  | 134    | 20  |
|               | Heptachlor          | 0.5   | 0.48   | ug/L  | 95  | 3   |      |      | 54  | 130    | 20  |
|               | Aldrin              | 0.5   | 0.46   | ug/L  | 91  | 4   |      |      | 45  | 134    | 20  |
|               | Heptachlor epoxide  | 0.5   | 0.47   | ug/L  | 94  | 3   |      |      | 61  | 133    | 20  |
|               | Endosulfan I        | 0.5   | 0.49   | ug/L  | 98  | 3   |      |      | 62  | 126    | 20  |
|               | Dieldrin            | 0.5   | 0.49   | ug/L  | 98  | 2   |      |      | 60  | 136    | 20  |
|               | 4,4'-DDE            | 0.5   | 0.49   | ug/L  | 99  | 3   |      |      | 57  | 135    | 20  |
|               | Endrin              | 0.5   | 0.49   | ug/L  | 98  | 2   |      |      | 60  | 138    | 20  |
|               | Endosulfan II       | 0.5   | 0.52   | ug/L  | 104 | 1   |      |      | 52  | 135    | 20  |
|               | 4,4'-DDD            | 0.5   | 0.54   | ug/L  | 107 | 2   |      |      | 56  | 143    | 20  |
|               | Endosulfan sulfate  | 0.5   | 0.51   | ug/L  | 102 | 1   |      |      | 62  | 133    | 20  |
|               | 4,4'-DDT            | 0.5   | 0.50   | ug/L  | 100 | 2   |      |      | 51  | 143    | 20  |
|               | Methoxychlor        | 0.5   | 0.48   | ug/L  | 96  | 1   |      |      | 54  | 145    | 20  |
|               | Endrin ketone       | 0.5   | 0.52   | ug/L  | 104 | 1   |      |      | 58  | 134    | 20  |
|               | Endrin aldehyde     | 0.5   | 0.49   | ug/L  | 99  | 1   |      |      | 51  | 132    | 20  |
|               | alpha-Chlordane     | 0.5   | 0.49   | ug/L  | 97  | 3   |      |      | 60  | 129    | 20  |
|               | gamma-Chlordane     | 0.5   | 0.49   | ug/L  | 98  | 3   |      |      | 56  | 136    | 20  |

4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB166101BL

Lab Name: CHEMTECH

Contract: TETR06

Lab Code: CHEM Case No.: Q1122

SAS No.: Q1122 SDG NO.: Q1122

Lab Sample ID: PB166101BL

Lab File ID: PL093701.D

Matrix: (soil/water) WATER

Extraction: (Type) SEPF

Sulfur Cleanup: (Y/N) N

Date Extracted: 01/17/2025

Date Analyzed (1): 01/20/2025

Date Analyzed (2): 01/20/2025

Time Analyzed (1): 12:22

Time Analyzed (2): 12:22

Instrument ID (1): ECD\_L

Instrument ID (2): ECD\_L

GC Column (1): ZB-MR1 ID: 0.32 (mm)

GC Column (2): ZB-MR2 ID: 0.32 (mm)

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 1 | DATE<br>ANALYZED 2 |
|-------------------|------------------|----------------|--------------------|--------------------|
| PB166101BS        | PB166101BS       | PL093702.D     | 01/20/2025         | 01/20/2025         |
| PB166101BSD       | PB166101BSD      | PL093703.D     | 01/20/2025         | 01/20/2025         |
| RW10A-20250116    | Q1122-01         | PL093705.D     | 01/20/2025         | 01/20/2025         |

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



# QC SAMPLE DATA

## Report of Analysis

|                    |                               |           |                    |               |           |
|--------------------|-------------------------------|-----------|--------------------|---------------|-----------|
| Client:            | Tetra Tech NUS, Inc.          |           | Date Collected:    |               |           |
| Project:           | NWIRP Bethpage 112G08005-WE13 |           | Date Received:     |               |           |
| Client Sample ID:  | PB166101BL                    |           | SDG No.:           | Q1122         |           |
| Lab Sample ID:     | PB166101BL                    |           | Matrix:            | WATER         |           |
| Analytical Method: | SW8081                        |           | % Solid:           | 0             | Decanted: |
| Sample Wt/Vol:     | 1000                          | Units: mL | Final Vol:         | 10000         | uL        |
| Soil Aliquot Vol:  |                               | uL        | Test:              | Pesticide-TCL |           |
| Extraction Type:   |                               |           | Injection Volume : |               |           |
| GPC Factor :       | 1.0                           | PH :      |                    |               |           |
| Prep Method :      | 3510C                         |           |                    |               |           |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| PL093701.D        | 1         | 01/17/25 11:25 | 01/20/25 12:22 | PB166101      |

| CAS Number        | Parameter            | Conc. | Qualifier | MDL      | LOD   | LOQ / CRQL | Units   |
|-------------------|----------------------|-------|-----------|----------|-------|------------|---------|
| <b>TARGETS</b>    |                      |       |           |          |       |            |         |
| 319-84-6          | alpha-BHC            | 0.025 | U         | 0.0061   | 0.025 | 0.050      | ug/L    |
| 319-85-7          | beta-BHC             | 0.025 | U         | 0.014    | 0.025 | 0.050      | ug/L    |
| 319-86-8          | delta-BHC            | 0.025 | U         | 0.015    | 0.025 | 0.050      | ug/L    |
| 58-89-9           | gamma-BHC (Lindane)  | 0.025 | U         | 0.0049   | 0.025 | 0.050      | ug/L    |
| 76-44-8           | Heptachlor           | 0.025 | U         | 0.0054   | 0.025 | 0.050      | ug/L    |
| 309-00-2          | Aldrin               | 0.025 | U         | 0.0044   | 0.025 | 0.050      | ug/L    |
| 1024-57-3         | Heptachlor epoxide   | 0.025 | U         | 0.0090   | 0.025 | 0.050      | ug/L    |
| 959-98-8          | Endosulfan I         | 0.025 | U         | 0.0050   | 0.025 | 0.050      | ug/L    |
| 60-57-1           | Dieldrin             | 0.025 | U         | 0.0047   | 0.025 | 0.050      | ug/L    |
| 72-55-9           | 4,4-DDE              | 0.025 | U         | 0.0045   | 0.025 | 0.050      | ug/L    |
| 72-20-8           | Endrin               | 0.010 | U         | 0.0043   | 0.010 | 0.050      | ug/L    |
| 33213-65-9        | Endosulfan II        | 0.025 | U         | 0.0075   | 0.025 | 0.050      | ug/L    |
| 72-54-8           | 4,4-DDD              | 0.025 | U         | 0.0092   | 0.025 | 0.050      | ug/L    |
| 1031-07-8         | Endosulfan Sulfate   | 0.025 | U         | 0.0035   | 0.025 | 0.050      | ug/L    |
| 50-29-3           | 4,4-DDT              | 0.025 | U         | 0.0044   | 0.025 | 0.050      | ug/L    |
| 72-43-5           | Methoxychlor         | 0.025 | U         | 0.011    | 0.025 | 0.050      | ug/L    |
| 53494-70-5        | Endrin ketone        | 0.025 | U         | 0.0097   | 0.025 | 0.050      | ug/L    |
| 7421-93-4         | Endrin aldehyde      | 0.025 | U         | 0.0099   | 0.025 | 0.050      | ug/L    |
| 5103-71-9         | alpha-Chlordane      | 0.025 | U         | 0.0060   | 0.025 | 0.050      | ug/L    |
| 5103-74-2         | gamma-Chlordane      | 0.025 | U         | 0.0060   | 0.025 | 0.050      | ug/L    |
| 8001-35-2         | Toxaphene            | 0.20  | J         | 0.15     | 0.50  | 1.00       | ug/L    |
| <b>SURROGATES</b> |                      |       |           |          |       |            |         |
| 2051-24-3         | Decachlorobiphenyl   | 22.2  |           | 30 - 135 |       | 111%       | SPK: 20 |
| 877-09-8          | Tetrachloro-m-xylene | 20.0  |           | 44 - 124 |       | 100%       | SPK: 20 |

## Report of Analysis

|                    |                               |           |                    |               |
|--------------------|-------------------------------|-----------|--------------------|---------------|
| Client:            | Tetra Tech NUS, Inc.          |           | Date Collected:    |               |
| Project:           | NWIRP Bethpage 112G08005-WE13 |           | Date Received:     |               |
| Client Sample ID:  | PB166101BL                    |           | SDG No.:           | Q1122         |
| Lab Sample ID:     | PB166101BL                    |           | Matrix:            | WATER         |
| Analytical Method: | SW8081                        |           | % Solid:           | 0             |
| Sample Wt/Vol:     | 1000                          | Units: mL | Decanted:          |               |
| Soil Aliquot Vol:  |                               | uL        | Final Vol:         | 10000 uL      |
| Extraction Type:   |                               |           | Test:              | Pesticide-TCL |
| GPC Factor :       | 1.0                           | PH :      | Injection Volume : |               |
| Prep Method :      | 3510C                         |           |                    |               |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| PL093701.D        | 1         | 01/17/25 11:25 | 01/20/25 12:22 | PB166101      |

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

### Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

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

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

## Report of Analysis

|                    |                               |           |                    |               |           |
|--------------------|-------------------------------|-----------|--------------------|---------------|-----------|
| Client:            | Tetra Tech NUS, Inc.          |           | Date Collected:    | 12/23/24      |           |
| Project:           | NWIRP Bethpage 112G08005-WE13 |           | Date Received:     | 12/23/24      |           |
| Client Sample ID:  | PIBLK-PL093481.D              |           | SDG No.:           | Q1122         |           |
| Lab Sample ID:     | I.BLK-PL093481.D              |           | Matrix:            | WATER         |           |
| Analytical Method: | SW8081                        |           | % Solid:           | 0             | Decanted: |
| Sample Wt/Vol:     | 1000                          | Units: mL | Final Vol:         | 10000         | uL        |
| Soil Aliquot Vol:  |                               | uL        | Test:              | Pesticide-TCL |           |
| Extraction Type:   |                               |           | Injection Volume : |               |           |
| GPC Factor :       | 1.0                           | PH :      |                    |               |           |
| Prep Method :      | 3510C                         |           |                    |               |           |

|                   |           |           |               |               |
|-------------------|-----------|-----------|---------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
| PL093481.D        | 1         |           | 12/23/24      | PL122324      |

| CAS Number        | Parameter            | Conc. | Qualifier | MDL      | LOD   | LOQ / CRQL | Units   |
|-------------------|----------------------|-------|-----------|----------|-------|------------|---------|
| <b>TARGETS</b>    |                      |       |           |          |       |            |         |
| 319-84-6          | alpha-BHC            | 0.025 | U         | 0.0061   | 0.025 | 0.050      | ug/L    |
| 319-85-7          | beta-BHC             | 0.025 | U         | 0.014    | 0.025 | 0.050      | ug/L    |
| 319-86-8          | delta-BHC            | 0.025 | U         | 0.015    | 0.025 | 0.050      | ug/L    |
| 58-89-9           | gamma-BHC (Lindane)  | 0.025 | U         | 0.0049   | 0.025 | 0.050      | ug/L    |
| 76-44-8           | Heptachlor           | 0.025 | U         | 0.0054   | 0.025 | 0.050      | ug/L    |
| 309-00-2          | Aldrin               | 0.025 | U         | 0.0044   | 0.025 | 0.050      | ug/L    |
| 1024-57-3         | Heptachlor epoxide   | 0.025 | U         | 0.0090   | 0.025 | 0.050      | ug/L    |
| 959-98-8          | Endosulfan I         | 0.025 | U         | 0.0050   | 0.025 | 0.050      | ug/L    |
| 60-57-1           | Dieldrin             | 0.025 | U         | 0.0047   | 0.025 | 0.050      | ug/L    |
| 72-55-9           | 4,4-DDE              | 0.025 | U         | 0.0045   | 0.025 | 0.050      | ug/L    |
| 72-20-8           | Endrin               | 0.010 | U         | 0.0043   | 0.010 | 0.050      | ug/L    |
| 33213-65-9        | Endosulfan II        | 0.025 | U         | 0.0075   | 0.025 | 0.050      | ug/L    |
| 72-54-8           | 4,4-DDD              | 0.025 | U         | 0.0092   | 0.025 | 0.050      | ug/L    |
| 1031-07-8         | Endosulfan Sulfate   | 0.025 | U         | 0.0035   | 0.025 | 0.050      | ug/L    |
| 50-29-3           | 4,4-DDT              | 0.025 | U         | 0.0044   | 0.025 | 0.050      | ug/L    |
| 72-43-5           | Methoxychlor         | 0.025 | U         | 0.011    | 0.025 | 0.050      | ug/L    |
| 53494-70-5        | Endrin ketone        | 0.025 | U         | 0.0097   | 0.025 | 0.050      | ug/L    |
| 7421-93-4         | Endrin aldehyde      | 0.025 | U         | 0.0099   | 0.025 | 0.050      | ug/L    |
| 5103-71-9         | alpha-Chlordane      | 0.025 | U         | 0.0060   | 0.025 | 0.050      | ug/L    |
| 5103-74-2         | gamma-Chlordane      | 0.025 | U         | 0.0060   | 0.025 | 0.050      | ug/L    |
| 8001-35-2         | Toxaphene            | 0.50  | U         | 0.15     | 0.50  | 1.00       | ug/L    |
| <b>SURROGATES</b> |                      |       |           |          |       |            |         |
| 2051-24-3         | Decachlorobiphenyl   | 22.0  |           | 30 - 135 |       | 110%       | SPK: 20 |
| 877-09-8          | Tetrachloro-m-xylene | 20.5  |           | 44 - 124 |       | 102%       | SPK: 20 |

## Report of Analysis

|                    |                               |           |                    |               |           |
|--------------------|-------------------------------|-----------|--------------------|---------------|-----------|
| Client:            | Tetra Tech NUS, Inc.          |           | Date Collected:    | 12/23/24      |           |
| Project:           | NWIRP Bethpage 112G08005-WE13 |           | Date Received:     | 12/23/24      |           |
| Client Sample ID:  | PIBLK-PL093481.D              |           | SDG No.:           | Q1122         |           |
| Lab Sample ID:     | I.BLK-PL093481.D              |           | Matrix:            | WATER         |           |
| Analytical Method: | SW8081                        |           | % Solid:           | 0             | Decanted: |
| Sample Wt/Vol:     | 1000                          | Units: mL | Final Vol:         | 10000         | uL        |
| Soil Aliquot Vol:  |                               | uL        | Test:              | Pesticide-TCL |           |
| Extraction Type:   |                               |           | Injection Volume : |               |           |
| GPC Factor :       | 1.0                           | PH :      |                    |               |           |
| Prep Method :      | 3510C                         |           |                    |               |           |

|                   |           |           |               |               |
|-------------------|-----------|-----------|---------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
| PL093481.D        | 1         |           | 12/23/24      | PL122324      |

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

### Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

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

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

## Report of Analysis

|                    |                               |           |                    |               |           |
|--------------------|-------------------------------|-----------|--------------------|---------------|-----------|
| Client:            | Tetra Tech NUS, Inc.          |           | Date Collected:    | 01/20/25      |           |
| Project:           | NWIRP Bethpage 112G08005-WE13 |           | Date Received:     | 01/20/25      |           |
| Client Sample ID:  | PIBLK-PL093694.D              |           | SDG No.:           | Q1122         |           |
| Lab Sample ID:     | I.BLK-PL093694.D              |           | Matrix:            | WATER         |           |
| Analytical Method: | SW8081                        |           | % Solid:           | 0             | Decanted: |
| Sample Wt/Vol:     | 1000                          | Units: mL | Final Vol:         | 10000         | uL        |
| Soil Aliquot Vol:  |                               | uL        | Test:              | Pesticide-TCL |           |
| Extraction Type:   |                               |           | Injection Volume : |               |           |
| GPC Factor :       | 1.0                           | PH :      |                    |               |           |
| Prep Method :      | 3510C                         |           |                    |               |           |

|                   |           |           |               |               |
|-------------------|-----------|-----------|---------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
| PL093694.D        | 1         |           | 01/20/25      | PL012025      |

| CAS Number        | Parameter            | Conc. | Qualifier | MDL      | LOD   | LOQ / CRQL | Units   |
|-------------------|----------------------|-------|-----------|----------|-------|------------|---------|
| <b>TARGETS</b>    |                      |       |           |          |       |            |         |
| 319-84-6          | alpha-BHC            | 0.025 | U         | 0.0061   | 0.025 | 0.050      | ug/L    |
| 319-85-7          | beta-BHC             | 0.025 | U         | 0.014    | 0.025 | 0.050      | ug/L    |
| 319-86-8          | delta-BHC            | 0.025 | U         | 0.015    | 0.025 | 0.050      | ug/L    |
| 58-89-9           | gamma-BHC (Lindane)  | 0.025 | U         | 0.0049   | 0.025 | 0.050      | ug/L    |
| 76-44-8           | Heptachlor           | 0.025 | U         | 0.0054   | 0.025 | 0.050      | ug/L    |
| 309-00-2          | Aldrin               | 0.025 | U         | 0.0044   | 0.025 | 0.050      | ug/L    |
| 1024-57-3         | Heptachlor epoxide   | 0.025 | U         | 0.0090   | 0.025 | 0.050      | ug/L    |
| 959-98-8          | Endosulfan I         | 0.025 | U         | 0.0050   | 0.025 | 0.050      | ug/L    |
| 60-57-1           | Dieldrin             | 0.025 | U         | 0.0047   | 0.025 | 0.050      | ug/L    |
| 72-55-9           | 4,4-DDE              | 0.025 | U         | 0.0045   | 0.025 | 0.050      | ug/L    |
| 72-20-8           | Endrin               | 0.010 | U         | 0.0043   | 0.010 | 0.050      | ug/L    |
| 33213-65-9        | Endosulfan II        | 0.025 | U         | 0.0075   | 0.025 | 0.050      | ug/L    |
| 72-54-8           | 4,4-DDD              | 0.025 | U         | 0.0092   | 0.025 | 0.050      | ug/L    |
| 1031-07-8         | Endosulfan Sulfate   | 0.025 | U         | 0.0035   | 0.025 | 0.050      | ug/L    |
| 50-29-3           | 4,4-DDT              | 0.025 | U         | 0.0044   | 0.025 | 0.050      | ug/L    |
| 72-43-5           | Methoxychlor         | 0.025 | U         | 0.011    | 0.025 | 0.050      | ug/L    |
| 53494-70-5        | Endrin ketone        | 0.025 | U         | 0.0097   | 0.025 | 0.050      | ug/L    |
| 7421-93-4         | Endrin aldehyde      | 0.025 | U         | 0.0099   | 0.025 | 0.050      | ug/L    |
| 5103-71-9         | alpha-Chlordane      | 0.025 | U         | 0.0060   | 0.025 | 0.050      | ug/L    |
| 5103-74-2         | gamma-Chlordane      | 0.025 | U         | 0.0060   | 0.025 | 0.050      | ug/L    |
| 8001-35-2         | Toxaphene            | 0.50  | U         | 0.15     | 0.50  | 1.00       | ug/L    |
| <b>SURROGATES</b> |                      |       |           |          |       |            |         |
| 2051-24-3         | Decachlorobiphenyl   | 21.9  |           | 30 - 135 |       | 110%       | SPK: 20 |
| 877-09-8          | Tetrachloro-m-xylene | 21.7  |           | 44 - 124 |       | 109%       | SPK: 20 |

## Report of Analysis

|                    |                               |           |                    |               |           |
|--------------------|-------------------------------|-----------|--------------------|---------------|-----------|
| Client:            | Tetra Tech NUS, Inc.          |           | Date Collected:    | 01/20/25      |           |
| Project:           | NWIRP Bethpage 112G08005-WE13 |           | Date Received:     | 01/20/25      |           |
| Client Sample ID:  | PIBLK-PL093694.D              |           | SDG No.:           | Q1122         |           |
| Lab Sample ID:     | I.BLK-PL093694.D              |           | Matrix:            | WATER         |           |
| Analytical Method: | SW8081                        |           | % Solid:           | 0             | Decanted: |
| Sample Wt/Vol:     | 1000                          | Units: mL | Final Vol:         | 10000         | uL        |
| Soil Aliquot Vol:  |                               | uL        | Test:              | Pesticide-TCL |           |
| Extraction Type:   |                               |           | Injection Volume : |               |           |
| GPC Factor :       | 1.0                           | PH :      |                    |               |           |
| Prep Method :      | 3510C                         |           |                    |               |           |

|                   |           |           |               |               |
|-------------------|-----------|-----------|---------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
| PL093694.D        | 1         |           | 01/20/25      | PL012025      |

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

### Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

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

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

## Report of Analysis

|                    |                               |           |                    |               |           |
|--------------------|-------------------------------|-----------|--------------------|---------------|-----------|
| Client:            | Tetra Tech NUS, Inc.          |           | Date Collected:    | 01/20/25      |           |
| Project:           | NWIRP Bethpage 112G08005-WE13 |           | Date Received:     | 01/20/25      |           |
| Client Sample ID:  | PIBLK-PL093706.D              |           | SDG No.:           | Q1122         |           |
| Lab Sample ID:     | I.BLK-PL093706.D              |           | Matrix:            | WATER         |           |
| Analytical Method: | SW8081                        |           | % Solid:           | 0             | Decanted: |
| Sample Wt/Vol:     | 1000                          | Units: mL | Final Vol:         | 10000         | uL        |
| Soil Aliquot Vol:  |                               | uL        | Test:              | Pesticide-TCL |           |
| Extraction Type:   |                               |           | Injection Volume : |               |           |
| GPC Factor :       | 1.0                           | PH :      |                    |               |           |
| Prep Method :      | 3510C                         |           |                    |               |           |

|                   |           |           |               |               |
|-------------------|-----------|-----------|---------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
| PL093706.D        | 1         |           | 01/20/25      | PL012025      |

| CAS Number        | Parameter            | Conc. | Qualifier | MDL      | LOD   | LOQ / CRQL | Units   |
|-------------------|----------------------|-------|-----------|----------|-------|------------|---------|
| <b>TARGETS</b>    |                      |       |           |          |       |            |         |
| 319-84-6          | alpha-BHC            | 0.025 | U         | 0.0061   | 0.025 | 0.050      | ug/L    |
| 319-85-7          | beta-BHC             | 0.025 | U         | 0.014    | 0.025 | 0.050      | ug/L    |
| 319-86-8          | delta-BHC            | 0.025 | U         | 0.015    | 0.025 | 0.050      | ug/L    |
| 58-89-9           | gamma-BHC (Lindane)  | 0.025 | U         | 0.0049   | 0.025 | 0.050      | ug/L    |
| 76-44-8           | Heptachlor           | 0.025 | U         | 0.0054   | 0.025 | 0.050      | ug/L    |
| 309-00-2          | Aldrin               | 0.025 | U         | 0.0044   | 0.025 | 0.050      | ug/L    |
| 1024-57-3         | Heptachlor epoxide   | 0.025 | U         | 0.0090   | 0.025 | 0.050      | ug/L    |
| 959-98-8          | Endosulfan I         | 0.025 | U         | 0.0050   | 0.025 | 0.050      | ug/L    |
| 60-57-1           | Dieldrin             | 0.025 | U         | 0.0047   | 0.025 | 0.050      | ug/L    |
| 72-55-9           | 4,4-DDE              | 0.025 | U         | 0.0045   | 0.025 | 0.050      | ug/L    |
| 72-20-8           | Endrin               | 0.010 | U         | 0.0043   | 0.010 | 0.050      | ug/L    |
| 33213-65-9        | Endosulfan II        | 0.025 | U         | 0.0075   | 0.025 | 0.050      | ug/L    |
| 72-54-8           | 4,4-DDD              | 0.025 | U         | 0.0092   | 0.025 | 0.050      | ug/L    |
| 1031-07-8         | Endosulfan Sulfate   | 0.025 | U         | 0.0035   | 0.025 | 0.050      | ug/L    |
| 50-29-3           | 4,4-DDT              | 0.025 | U         | 0.0044   | 0.025 | 0.050      | ug/L    |
| 72-43-5           | Methoxychlor         | 0.025 | U         | 0.011    | 0.025 | 0.050      | ug/L    |
| 53494-70-5        | Endrin ketone        | 0.025 | U         | 0.0097   | 0.025 | 0.050      | ug/L    |
| 7421-93-4         | Endrin aldehyde      | 0.025 | U         | 0.0099   | 0.025 | 0.050      | ug/L    |
| 5103-71-9         | alpha-Chlordane      | 0.025 | U         | 0.0060   | 0.025 | 0.050      | ug/L    |
| 5103-74-2         | gamma-Chlordane      | 0.025 | U         | 0.0060   | 0.025 | 0.050      | ug/L    |
| 8001-35-2         | Toxaphene            | 0.50  | U         | 0.15     | 0.50  | 1.00       | ug/L    |
| <b>SURROGATES</b> |                      |       |           |          |       |            |         |
| 2051-24-3         | Decachlorobiphenyl   | 23.3  |           | 30 - 135 |       | 117%       | SPK: 20 |
| 877-09-8          | Tetrachloro-m-xylene | 21.6  |           | 44 - 124 |       | 108%       | SPK: 20 |

## Report of Analysis

|                    |                               |           |                    |               |           |
|--------------------|-------------------------------|-----------|--------------------|---------------|-----------|
| Client:            | Tetra Tech NUS, Inc.          |           | Date Collected:    | 01/20/25      |           |
| Project:           | NWIRP Bethpage 112G08005-WE13 |           | Date Received:     | 01/20/25      |           |
| Client Sample ID:  | PIBLK-PL093706.D              |           | SDG No.:           | Q1122         |           |
| Lab Sample ID:     | I.BLK-PL093706.D              |           | Matrix:            | WATER         |           |
| Analytical Method: | SW8081                        |           | % Solid:           | 0             | Decanted: |
| Sample Wt/Vol:     | 1000                          | Units: mL | Final Vol:         | 10000         | uL        |
| Soil Aliquot Vol:  |                               | uL        | Test:              | Pesticide-TCL |           |
| Extraction Type:   |                               |           | Injection Volume : |               |           |
| GPC Factor :       | 1.0                           | PH :      |                    |               |           |
| Prep Method :      | 3510C                         |           |                    |               |           |

|                   |           |           |               |               |
|-------------------|-----------|-----------|---------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
| PL093706.D        | 1         |           | 01/20/25      | PL012025      |

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

### Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

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

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

## Report of Analysis

|                    |                               |           |                    |               |           |
|--------------------|-------------------------------|-----------|--------------------|---------------|-----------|
| Client:            | Tetra Tech NUS, Inc.          |           | Date Collected:    |               |           |
| Project:           | NWIRP Bethpage 112G08005-WE13 |           | Date Received:     |               |           |
| Client Sample ID:  | PB166101BS                    |           | SDG No.:           | Q1122         |           |
| Lab Sample ID:     | PB166101BS                    |           | Matrix:            | WATER         |           |
| Analytical Method: | SW8081                        |           | % Solid:           | 0             | Decanted: |
| Sample Wt/Vol:     | 1000                          | Units: mL | Final Vol:         | 10000         | uL        |
| Soil Aliquot Vol:  |                               | uL        | Test:              | Pesticide-TCL |           |
| Extraction Type:   |                               |           | Injection Volume : |               |           |
| GPC Factor :       | 1.0                           | PH :      |                    |               |           |
| Prep Method :      | 3510C                         |           |                    |               |           |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| PL093702.D        | 1         | 01/17/25 11:25 | 01/20/25 12:35 | PB166101      |

| CAS Number        | Parameter            | Conc. | Qualifier | MDL      | LOD   | LOQ / CRQL | Units   |
|-------------------|----------------------|-------|-----------|----------|-------|------------|---------|
| <b>TARGETS</b>    |                      |       |           |          |       |            |         |
| 319-84-6          | alpha-BHC            | 0.49  |           | 0.0061   | 0.025 | 0.050      | ug/L    |
| 319-85-7          | beta-BHC             | 0.50  |           | 0.014    | 0.025 | 0.050      | ug/L    |
| 319-86-8          | delta-BHC            | 0.48  |           | 0.015    | 0.025 | 0.050      | ug/L    |
| 58-89-9           | gamma-BHC (Lindane)  | 0.48  |           | 0.0049   | 0.025 | 0.050      | ug/L    |
| 76-44-8           | Heptachlor           | 0.49  |           | 0.0054   | 0.025 | 0.050      | ug/L    |
| 309-00-2          | Aldrin               | 0.47  |           | 0.0044   | 0.025 | 0.050      | ug/L    |
| 1024-57-3         | Heptachlor epoxide   | 0.48  |           | 0.0090   | 0.025 | 0.050      | ug/L    |
| 959-98-8          | Endosulfan I         | 0.51  |           | 0.0050   | 0.025 | 0.050      | ug/L    |
| 60-57-1           | Dieldrin             | 0.50  |           | 0.0047   | 0.025 | 0.050      | ug/L    |
| 72-55-9           | 4,4-DDE              | 0.51  |           | 0.0045   | 0.025 | 0.050      | ug/L    |
| 72-20-8           | Endrin               | 0.50  |           | 0.0043   | 0.010 | 0.050      | ug/L    |
| 33213-65-9        | Endosulfan II        | 0.53  |           | 0.0075   | 0.025 | 0.050      | ug/L    |
| 72-54-8           | 4,4-DDD              | 0.55  |           | 0.0092   | 0.025 | 0.050      | ug/L    |
| 1031-07-8         | Endosulfan Sulfate   | 0.51  |           | 0.0035   | 0.025 | 0.050      | ug/L    |
| 50-29-3           | 4,4-DDT              | 0.51  |           | 0.0044   | 0.025 | 0.050      | ug/L    |
| 72-43-5           | Methoxychlor         | 0.48  |           | 0.011    | 0.025 | 0.050      | ug/L    |
| 53494-70-5        | Endrin ketone        | 0.52  |           | 0.0097   | 0.025 | 0.050      | ug/L    |
| 7421-93-4         | Endrin aldehyde      | 0.50  |           | 0.0099   | 0.025 | 0.050      | ug/L    |
| 5103-71-9         | alpha-Chlordane      | 0.50  |           | 0.0060   | 0.025 | 0.050      | ug/L    |
| 5103-74-2         | gamma-Chlordane      | 0.51  |           | 0.0060   | 0.025 | 0.050      | ug/L    |
| 8001-35-2         | Toxaphene            | 0.50  | U         | 0.15     | 0.50  | 1.00       | ug/L    |
| <b>SURROGATES</b> |                      |       |           |          |       |            |         |
| 2051-24-3         | Decachlorobiphenyl   | 20.4  |           | 30 - 135 |       | 102%       | SPK: 20 |
| 877-09-8          | Tetrachloro-m-xylene | 18.4  |           | 44 - 124 |       | 92%        | SPK: 20 |

## Report of Analysis

|                    |                               |           |                    |               |
|--------------------|-------------------------------|-----------|--------------------|---------------|
| Client:            | Tetra Tech NUS, Inc.          |           | Date Collected:    |               |
| Project:           | NWIRP Bethpage 112G08005-WE13 |           | Date Received:     |               |
| Client Sample ID:  | PB166101BS                    |           | SDG No.:           | Q1122         |
| Lab Sample ID:     | PB166101BS                    |           | Matrix:            | WATER         |
| Analytical Method: | SW8081                        |           | % Solid:           | 0             |
| Sample Wt/Vol:     | 1000                          | Units: mL | Decanted:          |               |
| Soil Aliquot Vol:  |                               | uL        | Final Vol:         | 10000 uL      |
| Extraction Type:   |                               |           | Test:              | Pesticide-TCL |
| GPC Factor :       | 1.0                           | PH :      | Injection Volume : |               |
| Prep Method :      | 3510C                         |           |                    |               |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| PL093702.D        | 1         | 01/17/25 11:25 | 01/20/25 12:35 | PB166101      |

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

### Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

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

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

## Report of Analysis

|                    |                               |           |                    |               |           |
|--------------------|-------------------------------|-----------|--------------------|---------------|-----------|
| Client:            | Tetra Tech NUS, Inc.          |           | Date Collected:    |               |           |
| Project:           | NWIRP Bethpage 112G08005-WE13 |           | Date Received:     |               |           |
| Client Sample ID:  | PB166101BSD                   |           | SDG No.:           | Q1122         |           |
| Lab Sample ID:     | PB166101BSD                   |           | Matrix:            | WATER         |           |
| Analytical Method: | SW8081                        |           | % Solid:           | 0             | Decanted: |
| Sample Wt/Vol:     | 1000                          | Units: mL | Final Vol:         | 10000         | uL        |
| Soil Aliquot Vol:  |                               | uL        | Test:              | Pesticide-TCL |           |
| Extraction Type:   |                               |           | Injection Volume : |               |           |
| GPC Factor :       | 1.0                           | PH :      |                    |               |           |
| Prep Method :      | 3510C                         |           |                    |               |           |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| PL093703.D        | 1         | 01/17/25 11:25 | 01/20/25 13:01 | PB166101      |

| CAS Number        | Parameter            | Conc. | Qualifier | MDL      | LOD   | LOQ / CRQL | Units   |
|-------------------|----------------------|-------|-----------|----------|-------|------------|---------|
| <b>TARGETS</b>    |                      |       |           |          |       |            |         |
| 319-84-6          | alpha-BHC            | 0.47  |           | 0.0061   | 0.025 | 0.050      | ug/L    |
| 319-85-7          | beta-BHC             | 0.48  |           | 0.014    | 0.025 | 0.050      | ug/L    |
| 319-86-8          | delta-BHC            | 0.47  |           | 0.015    | 0.025 | 0.050      | ug/L    |
| 58-89-9           | gamma-BHC (Lindane)  | 0.46  |           | 0.0049   | 0.025 | 0.050      | ug/L    |
| 76-44-8           | Heptachlor           | 0.48  |           | 0.0054   | 0.025 | 0.050      | ug/L    |
| 309-00-2          | Aldrin               | 0.46  |           | 0.0044   | 0.025 | 0.050      | ug/L    |
| 1024-57-3         | Heptachlor epoxide   | 0.47  |           | 0.0090   | 0.025 | 0.050      | ug/L    |
| 959-98-8          | Endosulfan I         | 0.49  |           | 0.0050   | 0.025 | 0.050      | ug/L    |
| 60-57-1           | Dieldrin             | 0.49  |           | 0.0047   | 0.025 | 0.050      | ug/L    |
| 72-55-9           | 4,4-DDE              | 0.49  |           | 0.0045   | 0.025 | 0.050      | ug/L    |
| 72-20-8           | Endrin               | 0.49  |           | 0.0043   | 0.010 | 0.050      | ug/L    |
| 33213-65-9        | Endosulfan II        | 0.52  |           | 0.0075   | 0.025 | 0.050      | ug/L    |
| 72-54-8           | 4,4-DDD              | 0.54  |           | 0.0092   | 0.025 | 0.050      | ug/L    |
| 1031-07-8         | Endosulfan Sulfate   | 0.51  |           | 0.0035   | 0.025 | 0.050      | ug/L    |
| 50-29-3           | 4,4-DDT              | 0.50  |           | 0.0044   | 0.025 | 0.050      | ug/L    |
| 72-43-5           | Methoxychlor         | 0.48  |           | 0.011    | 0.025 | 0.050      | ug/L    |
| 53494-70-5        | Endrin ketone        | 0.52  |           | 0.0097   | 0.025 | 0.050      | ug/L    |
| 7421-93-4         | Endrin aldehyde      | 0.49  |           | 0.0099   | 0.025 | 0.050      | ug/L    |
| 5103-71-9         | alpha-Chlordane      | 0.49  |           | 0.0060   | 0.025 | 0.050      | ug/L    |
| 5103-74-2         | gamma-Chlordane      | 0.49  |           | 0.0060   | 0.025 | 0.050      | ug/L    |
| 8001-35-2         | Toxaphene            | 0.50  | U         | 0.15     | 0.50  | 1.00       | ug/L    |
| <b>SURROGATES</b> |                      |       |           |          |       |            |         |
| 2051-24-3         | Decachlorobiphenyl   | 20.4  |           | 30 - 135 |       | 102%       | SPK: 20 |
| 877-09-8          | Tetrachloro-m-xylene | 18.1  |           | 44 - 124 |       | 90%        | SPK: 20 |

## Report of Analysis

|                    |                               |           |                    |               |           |
|--------------------|-------------------------------|-----------|--------------------|---------------|-----------|
| Client:            | Tetra Tech NUS, Inc.          |           | Date Collected:    |               |           |
| Project:           | NWIRP Bethpage 112G08005-WE13 |           | Date Received:     |               |           |
| Client Sample ID:  | PB166101BSD                   |           | SDG No.:           | Q1122         |           |
| Lab Sample ID:     | PB166101BSD                   |           | Matrix:            | WATER         |           |
| Analytical Method: | SW8081                        |           | % Solid:           | 0             | Decanted: |
| Sample Wt/Vol:     | 1000                          | Units: mL | Final Vol:         | 10000         | uL        |
| Soil Aliquot Vol:  |                               | uL        | Test:              | Pesticide-TCL |           |
| Extraction Type:   |                               |           | Injection Volume : |               |           |
| GPC Factor :       | 1.0                           | PH :      |                    |               |           |
| Prep Method :      | 3510C                         |           |                    |               |           |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| PL093703.D        | 1         | 01/17/25 11:25 | 01/20/25 13:01 | PB166101      |

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

### Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

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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

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit



# CALIBRATION SUMMARY

# RETENTION TIMES OF INITIAL CALIBRATION

Contract: TETR06

Lab Code: CHEM Case No.: Q1122 SAS No.: Q1122 SDG NO.: Q1122

Instrument ID: ECD\_L Calibration Date(s): 12/23/2024 12/23/2024

Calibration Times: 13:15 14:09

GC Column: ZB-MR1 ID: 0.32 (mm)

|                            |                            |                            |
|----------------------------|----------------------------|----------------------------|
| LAB FILE ID:               | RT 100 = <u>PL093484.D</u> | RT 075 = <u>PL093485.D</u> |
| RT 050 = <u>PL093486.D</u> | RT 025 = <u>PL093487.D</u> | RT 005 = <u>PL093488.D</u> |

| COMPOUND             | RT 100 | RT 075 | RT 050 | RT 025 | RT 005 | MEAN<br>RT | RT WINDOW |      |
|----------------------|--------|--------|--------|--------|--------|------------|-----------|------|
|                      |        |        |        |        |        |            | FROM      | TO   |
| 4,4'-DDD             | 6.71   | 6.71   | 6.71   | 6.71   | 6.71   | 6.71       | 6.61      | 6.81 |
| 4,4'-DDE             | 6.19   | 6.19   | 6.19   | 6.19   | 6.19   | 6.19       | 6.09      | 6.29 |
| 4,4'-DDT             | 7.03   | 7.03   | 7.03   | 7.02   | 7.02   | 7.02       | 6.92      | 7.12 |
| Aldrin               | 5.26   | 5.26   | 5.26   | 5.26   | 5.26   | 5.26       | 5.16      | 5.36 |
| alpha-BHC            | 4.00   | 4.00   | 4.00   | 4.00   | 4.00   | 4.00       | 3.90      | 4.10 |
| alpha-Chlordane      | 6.02   | 6.02   | 6.02   | 6.02   | 6.02   | 6.02       | 5.92      | 6.12 |
| beta-BHC             | 4.53   | 4.53   | 4.53   | 4.53   | 4.53   | 4.53       | 4.43      | 4.63 |
| Decachlorobiphenyl   | 9.06   | 9.06   | 9.06   | 9.05   | 9.05   | 9.06       | 8.96      | 9.16 |
| delta-BHC            | 4.78   | 4.78   | 4.78   | 4.77   | 4.77   | 4.77       | 4.67      | 4.87 |
| Dieldrin             | 6.35   | 6.35   | 6.35   | 6.35   | 6.35   | 6.35       | 6.25      | 6.45 |
| Endosulfan I         | 6.07   | 6.07   | 6.07   | 6.07   | 6.07   | 6.07       | 5.97      | 6.17 |
| Endosulfan II        | 6.80   | 6.80   | 6.80   | 6.80   | 6.79   | 6.80       | 6.70      | 6.90 |
| Endosulfan sulfate   | 7.16   | 7.16   | 7.16   | 7.16   | 7.16   | 7.16       | 7.06      | 7.26 |
| Endrin               | 6.58   | 6.58   | 6.58   | 6.58   | 6.58   | 6.58       | 6.48      | 6.68 |
| Endrin aldehyde      | 6.93   | 6.93   | 6.93   | 6.92   | 6.92   | 6.92       | 6.82      | 7.02 |
| Endrin ketone        | 7.65   | 7.65   | 7.65   | 7.64   | 7.64   | 7.64       | 7.54      | 7.74 |
| gamma-BHC (Lindane)  | 4.33   | 4.33   | 4.33   | 4.33   | 4.33   | 4.33       | 4.23      | 4.43 |
| gamma-Chlordane      | 5.94   | 5.94   | 5.94   | 5.94   | 5.94   | 5.94       | 5.84      | 6.04 |
| Heptachlor           | 4.92   | 4.92   | 4.92   | 4.92   | 4.92   | 4.92       | 4.82      | 5.02 |
| Heptachlor epoxide   | 5.69   | 5.69   | 5.69   | 5.69   | 5.68   | 5.69       | 5.59      | 5.79 |
| Methoxychlor         | 7.50   | 7.50   | 7.50   | 7.50   | 7.50   | 7.50       | 7.40      | 7.60 |
| Tetrachloro-m-xylene | 3.54   | 3.54   | 3.54   | 3.54   | 3.54   | 3.54       | 3.44      | 3.64 |

# RETENTION TIMES OF INITIAL CALIBRATION

Contract: TETR06

Lab Code: CHEM Case No.: Q1122 SAS No.: Q1122 SDG NO.: Q1122

Instrument ID: ECD\_L Calibration Date(s): 12/23/2024 12/23/2024

Calibration Times: 13:15 14:09

GC Column: ZB-MR2 ID: 0.32 (mm)

|                            |                            |                            |
|----------------------------|----------------------------|----------------------------|
| LAB FILE ID:               | RT 100 = <u>PL093484.D</u> | RT 075 = <u>PL093485.D</u> |
| RT 050 = <u>PL093486.D</u> | RT 025 = <u>PL093487.D</u> | RT 005 = <u>PL093488.D</u> |

| COMPOUND             | RT 100 | RT 075 | RT 050 | RT 025 | RT 005 | MEAN<br>RT | RT WINDOW |      |
|----------------------|--------|--------|--------|--------|--------|------------|-----------|------|
|                      |        |        |        |        |        |            | FROM      | TO   |
| 4,4'-DDD             | 5.79   | 5.79   | 5.79   | 5.79   | 5.79   | 5.79       | 5.69      | 5.89 |
| 4,4'-DDE             | 5.23   | 5.23   | 5.23   | 5.23   | 5.23   | 5.23       | 5.13      | 5.33 |
| 4,4'-DDT             | 6.04   | 6.04   | 6.04   | 6.04   | 6.04   | 6.04       | 5.94      | 6.14 |
| Aldrin               | 4.23   | 4.23   | 4.23   | 4.23   | 4.23   | 4.23       | 4.13      | 4.33 |
| alpha-BHC            | 3.28   | 3.28   | 3.28   | 3.28   | 3.28   | 3.28       | 3.18      | 3.38 |
| alpha-Chlordane      | 5.04   | 5.04   | 5.04   | 5.04   | 5.04   | 5.04       | 4.94      | 5.14 |
| beta-BHC             | 3.91   | 3.91   | 3.91   | 3.91   | 3.91   | 3.91       | 3.81      | 4.01 |
| Decachlorobiphenyl   | 7.91   | 7.91   | 7.91   | 7.91   | 7.91   | 7.91       | 7.81      | 8.01 |
| delta-BHC            | 4.14   | 4.14   | 4.14   | 4.14   | 4.14   | 4.14       | 4.04      | 4.24 |
| Dieldrin             | 5.36   | 5.36   | 5.36   | 5.36   | 5.36   | 5.36       | 5.26      | 5.46 |
| Endosulfan I         | 5.10   | 5.10   | 5.10   | 5.10   | 5.10   | 5.10       | 5.00      | 5.20 |
| Endosulfan II        | 5.94   | 5.93   | 5.93   | 5.93   | 5.93   | 5.93       | 5.83      | 6.03 |
| Endosulfan sulfate   | 6.34   | 6.34   | 6.34   | 6.34   | 6.34   | 6.34       | 6.24      | 6.44 |
| Endrin               | 5.64   | 5.64   | 5.64   | 5.64   | 5.64   | 5.64       | 5.54      | 5.74 |
| Endrin aldehyde      | 6.11   | 6.11   | 6.11   | 6.11   | 6.11   | 6.11       | 6.01      | 6.21 |
| Endrin ketone        | 6.84   | 6.84   | 6.84   | 6.84   | 6.84   | 6.84       | 6.74      | 6.94 |
| gamma-BHC (Lindane)  | 3.61   | 3.61   | 3.61   | 3.61   | 3.61   | 3.61       | 3.51      | 3.71 |
| gamma-Chlordane      | 4.98   | 4.98   | 4.98   | 4.98   | 4.98   | 4.98       | 4.88      | 5.08 |
| Heptachlor           | 3.95   | 3.95   | 3.95   | 3.95   | 3.95   | 3.95       | 3.85      | 4.05 |
| Heptachlor epoxide   | 4.73   | 4.73   | 4.73   | 4.73   | 4.73   | 4.73       | 4.63      | 4.83 |
| Methoxychlor         | 6.61   | 6.61   | 6.61   | 6.61   | 6.61   | 6.61       | 6.51      | 6.71 |
| Tetrachloro-m-xylene | 2.78   | 2.78   | 2.78   | 2.78   | 2.78   | 2.78       | 2.68      | 2.88 |

## CALIBRATION FACTOR OF INITIAL CALIBRATION

**Contract:** TETR06  
**Lab Code:** CHEM **Case No.:** Q1122 **SAS No.:** Q1122 **SDG NO.:** Q1122  
**Instrument ID:** ECD\_L  
**Calibration Date(s):** 12/23/2024 12/23/2024  
**Calibration Times:** 13:15 14:09  
**GC Column:** ZB-MR1 **ID:** 0.32 (mm)

| <b>LAB FILE ID:</b>               |            | <b>CF 100 =</b> <u>PL093484.D</u> |            | <b>CF 075 =</b> <u>PL093485.D</u> |            |            |       |
|-----------------------------------|------------|-----------------------------------|------------|-----------------------------------|------------|------------|-------|
| <b>CF 050 =</b> <u>PL093486.D</u> |            | <b>CF 025 =</b> <u>PL093487.D</u> |            | <b>CF 005 =</b> <u>PL093488.D</u> |            |            |       |
| COMPOUND                          | CF 100     | CF 075                            | CF 050     | CF 025                            | CF 005     | CF         | % RSD |
| 4,4'-DDD                          | 1621940000 | 1601100000                        | 1685020000 | 1757890000                        | 2113830000 | 1755960000 | 12    |
| 4,4'-DDE                          | 2097720000 | 2040360000                        | 2142990000 | 2234520000                        | 2703690000 | 2243860000 | 12    |
| 4,4'-DDT                          | 1736630000 | 1688550000                        | 1784110000 | 1855870000                        | 2177460000 | 1848520000 | 10    |
| Aldrin                            | 2739480000 | 2644310000                        | 2770490000 | 2873720000                        | 3516330000 | 2908860000 | 12    |
| alpha-BHC                         | 3477660000 | 3206020000                        | 3340110000 | 3364880000                        | 3873240000 | 3452380000 | 7     |
| alpha-Chlordane                   | 2320790000 | 2264920000                        | 2384480000 | 2497660000                        | 3046700000 | 2502910000 | 13    |
| beta-BHC                          | 1321620000 | 1298650000                        | 1378880000 | 1446620000                        | 1762170000 | 1441590000 | 13    |
| Decachlorobiphenyl                | 1661260000 | 1649170000                        | 1775440000 | 1867730000                        | 2291490000 | 1849020000 | 14    |
| delta-BHC                         | 3024560000 | 2885810000                        | 2967810000 | 2997880000                        | 3436900000 | 3062590000 | 7     |
| Dieldrin                          | 2323630000 | 2259870000                        | 2374580000 | 2480210000                        | 3037140000 | 2495090000 | 13    |
| Endosulfan I                      | 2169790000 | 2119850000                        | 2246090000 | 2359490000                        | 2901070000 | 2359260000 | 13    |
| Endosulfan II                     | 2079450000 | 1967950000                        | 2094960000 | 2244490000                        | 2979500000 | 2273270000 | 18    |
| Endosulfan sulfate                | 1819170000 | 1796010000                        | 1919480000 | 2039270000                        | 2521220000 | 2019030000 | 15    |
| Endrin                            | 1980610000 | 1930990000                        | 2046720000 | 2145760000                        | 2658130000 | 2152440000 | 14    |
| Endrin aldehyde                   | 1590580000 | 1583320000                        | 1679660000 | 1797120000                        | 2221970000 | 1774530000 | 15    |
| Endrin ketone                     | 2063700000 | 2025470000                        | 2127570000 | 2251850000                        | 2750680000 | 2243850000 | 13    |
| gamma-BHC (Lindane)               | 3189620000 | 3052290000                        | 3180150000 | 3224710000                        | 3750380000 | 3279430000 | 8     |
| gamma-Chlordane                   | 2340050000 | 2281170000                        | 2403320000 | 2499810000                        | 3041090000 | 2513090000 | 12    |
| Heptachlor                        | 2746960000 | 2670120000                        | 2802230000 | 2919950000                        | 3502290000 | 2928310000 | 11    |
| Heptachlor epoxide                | 2426470000 | 2365400000                        | 2505620000 | 2624560000                        | 3249710000 | 2634350000 | 14    |
| Methoxychlor                      | 902299000  | 897910000                         | 965987000  | 1022970000                        | 1209220000 | 999678000  | 13    |
| Tetrachloro-m-xylene              | 2318290000 | 2256280000                        | 2391520000 | 2493110000                        | 2919250000 | 2475690000 | 11    |

## CALIBRATION FACTOR OF INITIAL CALIBRATION

**Contract:** TETR06  
**Lab Code:** CHEM **Case No.:** Q1122 **SAS No.:** Q1122 **SDG NO.:** Q1122  
**Instrument ID:** ECD\_L  
**Calibration Date(s):** 12/23/2024 12/23/2024  
**Calibration Times:** 13:15 14:09  
**GC Column:** ZB-MR2 **ID:** 0.32 (mm)

| <b>LAB FILE ID:</b>               |            | <b>CF 100 =</b> <u>PL093484.D</u> |            | <b>CF 075 =</b> <u>PL093485.D</u> |            |            |       |
|-----------------------------------|------------|-----------------------------------|------------|-----------------------------------|------------|------------|-------|
| <b>CF 050 =</b> <u>PL093486.D</u> |            | <b>CF 025 =</b> <u>PL093487.D</u> |            | <b>CF 005 =</b> <u>PL093488.D</u> |            |            |       |
| COMPOUND                          | CF 100     | CF 075                            | CF 050     | CF 025                            | CF 005     | CF         | % RSD |
| 4,4'-DDD                          | 2969360000 | 2852140000                        | 2831690000 | 2714170000                        | 2783370000 | 2830150000 | 3     |
| 4,4'-DDE                          | 3832650000 | 3639420000                        | 3656470000 | 3546590000                        | 3711090000 | 3677240000 | 3     |
| 4,4'-DDT                          | 3215060000 | 3041820000                        | 3039820000 | 2905500000                        | 2899310000 | 3020300000 | 4     |
| Aldrin                            | 4345680000 | 4106320000                        | 4115460000 | 3936670000                        | 4007300000 | 4102290000 | 4     |
| alpha-BHC                         | 4680470000 | 4391020000                        | 4405830000 | 4157300000                        | 4099330000 | 4346790000 | 5     |
| alpha-Chlordane                   | 3914230000 | 3727230000                        | 3759980000 | 3681520000                        | 3954030000 | 3807400000 | 3     |
| beta-BHC                          | 1797540000 | 1726560000                        | 1774070000 | 1776440000                        | 1912840000 | 1797490000 | 4     |
| Decachlorobiphenyl                | 2956580000 | 2818470000                        | 2885080000 | 2902790000                        | 3366620000 | 2985910000 | 7     |
| delta-BHC                         | 4528040000 | 4258650000                        | 4266310000 | 4044840000                        | 4046510000 | 4228870000 | 5     |
| Dieldrin                          | 4043510000 | 3835610000                        | 3838300000 | 3694190000                        | 3857790000 | 3853880000 | 3     |
| Endosulfan I                      | 3574790000 | 3428030000                        | 3460070000 | 3382390000                        | 3624490000 | 3493950000 | 3     |
| Endosulfan II                     | 3311470000 | 3237660000                        | 3254890000 | 3188220000                        | 3252500000 | 3248950000 | 1     |
| Endosulfan sulfate                | 3216080000 | 3076010000                        | 3113450000 | 3066780000                        | 3299740000 | 3154410000 | 3     |
| Endrin                            | 3457020000 | 3288270000                        | 3315120000 | 3193900000                        | 3287350000 | 3308330000 | 3     |
| Endrin aldehyde                   | 2707870000 | 2610810000                        | 2655280000 | 2645600000                        | 2845870000 | 2693090000 | 3     |
| Endrin ketone                     | 3680660000 | 3542340000                        | 3618450000 | 3559240000                        | 3801270000 | 3640390000 | 3     |
| gamma-BHC (Lindane)               | 4493780000 | 4228750000                        | 4260470000 | 4062450000                        | 4051390000 | 4219370000 | 4     |
| gamma-Chlordane                   | 3989810000 | 3780300000                        | 3791390000 | 3703680000                        | 3999910000 | 3853020000 | 3     |
| Heptachlor                        | 4294490000 | 4097760000                        | 4159520000 | 4029940000                        | 4197880000 | 4155920000 | 2     |
| Heptachlor epoxide                | 3890040000 | 3699480000                        | 3757900000 | 3697650000                        | 4098450000 | 3828700000 | 4     |
| Methoxychlor                      | 1579690000 | 1538710000                        | 1589880000 | 1595910000                        | 1744000000 | 1609640000 | 5     |
| Tetrachloro-m-xylene              | 2947220000 | 2813690000                        | 2902100000 | 2859340000                        | 3033640000 | 2911200000 | 3     |

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: TETR06

Lab Code: CHEM Case No.: Q1122 SAS No.: Q1122 SDG NO.: Q1122

Instrument ID: ECD\_L Date(s) Analyzed: 12/23/2024 12/23/2024

GC Column: ZB-MR1 ID: 0.32 (mm)

| COMPOUND  | AMOUNT<br>(ng) | PEAK | RT   | RT WINDOW |      | CALIBRATION<br>FACTOR |
|-----------|----------------|------|------|-----------|------|-----------------------|
|           |                |      |      | FROM      | TO   |                       |
| Toxaphene | 500            | 1    | 6.24 | 6.14      | 6.34 | 22764900              |
|           |                | 2    | 6.44 | 6.34      | 6.54 | 15272800              |
|           |                | 3    | 7.06 | 6.96      | 7.16 | 73123800              |
|           |                | 4    | 7.15 | 7.05      | 7.25 | 54576200              |
|           |                | 5    | 7.93 | 7.83      | 8.03 | 41166400              |

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: TETR06

Lab Code: CHEM Case No.: Q1122 SAS No.: Q1122 SDG NO.: Q1122

Instrument ID: ECD\_L Date(s) Analyzed: 12/23/2024 12/23/2024

GC Column: ZB-MR2 ID: 0.32 (mm)

| COMPOUND  | AMOUNT<br>(ng) | PEAK | RT   | RT WINDOW |      | CALIBRATION<br>FACTOR |
|-----------|----------------|------|------|-----------|------|-----------------------|
|           |                |      |      | FROM      | TO   |                       |
| Toxaphene | 500            | 1    | 5.00 | 4.90      | 5.10 | 23243100              |
|           |                | 2    | 5.33 | 5.23      | 5.43 | 22807400              |
|           |                | 3    | 5.69 | 5.59      | 5.79 | 25158900              |
|           |                | 4    | 6.60 | 6.50      | 6.70 | 81574800              |
|           |                | 5    | 7.04 | 6.94      | 7.14 | 75247700              |

# CALIBRATION VERIFICATION SUMMARY

Contract: TETR06

Lab Code: CHEM Case No.: Q1122 SAS No.: Q1122 SDG NO.: Q1122

Continuing Calib Date: 01/20/2025 Initial Calibration Date(s): 12/23/2024 12/23/2024

Continuing Calib Time: 09:18 Initial Calibration Time(s): 13:15 14:09

GC Column: ZB-MR1 ID: 0.32 (mm)

| COMPOUND             | CCAL<br>RT | AVG<br>RT | RT WINDOW |      | DIFF<br>RT |
|----------------------|------------|-----------|-----------|------|------------|
|                      |            |           | FROM      | TO   |            |
| Decachlorobiphenyl   | 9.06       | 9.06      | 8.96      | 9.16 | 0.00       |
| Tetrachloro-m-xylene | 3.54       | 3.54      | 3.44      | 3.64 | 0.00       |
| alpha-BHC            | 4.00       | 4.00      | 3.90      | 4.10 | 0.01       |
| beta-BHC             | 4.53       | 4.53      | 4.43      | 4.63 | 0.00       |
| delta-BHC            | 4.77       | 4.78      | 4.68      | 4.88 | 0.01       |
| gamma-BHC (Lindane)  | 4.33       | 4.33      | 4.23      | 4.43 | 0.00       |
| Heptachlor           | 4.92       | 4.92      | 4.82      | 5.02 | 0.01       |
| Aldrin               | 5.26       | 5.26      | 5.16      | 5.36 | 0.00       |
| Heptachlor epoxide   | 5.68       | 5.69      | 5.59      | 5.79 | 0.01       |
| Endosulfan I         | 6.07       | 6.07      | 5.97      | 6.17 | 0.00       |
| Dieldrin             | 6.34       | 6.35      | 6.25      | 6.45 | 0.01       |
| 4,4'-DDE             | 6.19       | 6.19      | 6.09      | 6.29 | 0.00       |
| Endrin               | 6.57       | 6.58      | 6.48      | 6.68 | 0.01       |
| Endosulfan II        | 6.79       | 6.80      | 6.70      | 6.90 | 0.01       |
| 4,4'-DDD             | 6.71       | 6.71      | 6.61      | 6.81 | 0.00       |
| Endosulfan sulfate   | 7.16       | 7.16      | 7.06      | 7.26 | 0.00       |
| 4,4'-DDT             | 7.02       | 7.03      | 6.93      | 7.13 | 0.01       |
| Methoxychlor         | 7.50       | 7.50      | 7.40      | 7.60 | 0.00       |
| Endrin ketone        | 7.64       | 7.65      | 7.55      | 7.75 | 0.01       |
| Endrin aldehyde      | 6.92       | 6.93      | 6.83      | 7.03 | 0.01       |
| alpha-Chlordane      | 6.02       | 6.02      | 5.92      | 6.12 | 0.00       |
| gamma-Chlordane      | 5.94       | 5.94      | 5.84      | 6.04 | 0.00       |

# CALIBRATION VERIFICATION SUMMARY

Contract: TETR06

Lab Code: CHEM Case No.: Q1122 SAS No.: Q1122 SDG NO.: Q1122

Continuing Calib Date: 01/20/2025 Initial Calibration Date(s): 12/23/2024 12/23/2024

Continuing Calib Time: 09:18 Initial Calibration Time(s): 13:15 14:09

GC Column: ZB-MR2 ID: 0.32 (mm)

| COMPOUND             | CCAL<br>RT | AVG<br>RT | RT WINDOW |      | DIFF<br>RT |
|----------------------|------------|-----------|-----------|------|------------|
|                      |            |           | FROM      | TO   |            |
| Decachlorobiphenyl   | 7.91       | 7.91      | 7.81      | 8.01 | 0.00       |
| Tetrachloro-m-xylene | 2.78       | 2.78      | 2.68      | 2.88 | 0.00       |
| alpha-BHC            | 3.28       | 3.28      | 3.18      | 3.38 | 0.00       |
| beta-BHC             | 3.91       | 3.91      | 3.81      | 4.01 | 0.00       |
| delta-BHC            | 4.14       | 4.14      | 4.04      | 4.24 | 0.00       |
| gamma-BHC (Lindane)  | 3.61       | 3.61      | 3.51      | 3.71 | 0.00       |
| Heptachlor           | 3.95       | 3.95      | 3.85      | 4.05 | 0.00       |
| Aldrin               | 4.23       | 4.23      | 4.13      | 4.33 | 0.01       |
| Heptachlor epoxide   | 4.73       | 4.73      | 4.63      | 4.83 | 0.00       |
| Endosulfan I         | 5.10       | 5.10      | 5.00      | 5.20 | 0.00       |
| Dieldrin             | 5.36       | 5.36      | 5.26      | 5.46 | 0.00       |
| 4,4'-DDE             | 5.23       | 5.23      | 5.13      | 5.33 | 0.00       |
| Endrin               | 5.64       | 5.64      | 5.54      | 5.74 | 0.00       |
| Endosulfan II        | 5.93       | 5.93      | 5.83      | 6.03 | 0.00       |
| 4,4'-DDD             | 5.79       | 5.79      | 5.69      | 5.89 | 0.01       |
| Endosulfan sulfate   | 6.34       | 6.34      | 6.24      | 6.44 | 0.00       |
| 4,4'-DDT             | 6.04       | 6.04      | 5.94      | 6.14 | 0.00       |
| Methoxychlor         | 6.61       | 6.61      | 6.51      | 6.71 | 0.00       |
| Endrin ketone        | 6.84       | 6.84      | 6.74      | 6.94 | 0.00       |
| Endrin aldehyde      | 6.11       | 6.11      | 6.01      | 6.21 | 0.00       |
| alpha-Chlordane      | 5.04       | 5.04      | 4.94      | 5.14 | 0.00       |
| gamma-Chlordane      | 4.98       | 4.98      | 4.88      | 5.08 | 0.00       |

### CALIBRATION VERIFICATION SUMMARY

Contract: TETR06

Lab Code: CHEM Case No.: Q1122 SAS No.: Q1122 SDG NO.: Q1122

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 12/23/2024 12/23/2024

Client Sample No.: CCAL01 Date Analyzed: 01/20/2025

Lab Sample No.: PSTDCCC050 Data File : PL093696.D Time Analyzed: 09:18

| COMPOUND             | RT    | RT WINDOW |       | CALC<br>AMOUNT(ng) | NOM<br>AMOUNT(ng) | %D   |
|----------------------|-------|-----------|-------|--------------------|-------------------|------|
|                      |       | FROM      | TO    |                    |                   |      |
| 4,4'-DDD             | 6.709 | 6.611     | 6.811 | 54.950             | 50.000            | 9.9  |
| 4,4'-DDE             | 6.192 | 6.094     | 6.294 | 54.540             | 50.000            | 9.1  |
| 4,4'-DDT             | 7.023 | 6.925     | 7.125 | 52.940             | 50.000            | 5.9  |
| Aldrin               | 5.257 | 5.159     | 5.359 | 54.320             | 50.000            | 8.6  |
| alpha-BHC            | 3.995 | 3.897     | 4.097 | 54.630             | 50.000            | 9.3  |
| alpha-Chlordane      | 6.018 | 5.920     | 6.120 | 53.040             | 50.000            | 6.1  |
| beta-BHC             | 4.526 | 4.427     | 4.627 | 54.770             | 50.000            | 9.5  |
| Decachlorobiphenyl   | 9.055 | 8.956     | 9.156 | 51.380             | 50.000            | 2.8  |
| delta-BHC            | 4.773 | 4.675     | 4.875 | 56.090             | 50.000            | 12.2 |
| Dieldrin             | 6.344 | 6.246     | 6.446 | 52.250             | 50.000            | 4.5  |
| Endosulfan I         | 6.069 | 5.971     | 6.171 | 52.590             | 50.000            | 5.2  |
| Endosulfan II        | 6.794 | 6.695     | 6.895 | 48.700             | 50.000            | -2.6 |
| Endosulfan sulfate   | 7.159 | 7.060     | 7.260 | 51.640             | 50.000            | 3.3  |
| Endrin               | 6.574 | 6.475     | 6.675 | 50.760             | 50.000            | 1.5  |
| Endrin aldehyde      | 6.924 | 6.826     | 7.026 | 51.170             | 50.000            | 2.3  |
| Endrin ketone        | 7.643 | 7.545     | 7.745 | 51.750             | 50.000            | 3.5  |
| gamma-BHC (Lindane)  | 4.327 | 4.229     | 4.429 | 55.380             | 50.000            | 10.8 |
| gamma-Chlordane      | 5.939 | 5.841     | 6.041 | 52.690             | 50.000            | 5.4  |
| Heptachlor           | 4.915 | 4.818     | 5.018 | 54.020             | 50.000            | 8.0  |
| Heptachlor epoxide   | 5.683 | 5.586     | 5.786 | 53.050             | 50.000            | 6.1  |
| Methoxychlor         | 7.500 | 7.400     | 7.600 | 53.310             | 50.000            | 6.6  |
| Tetrachloro-m-xylene | 3.539 | 3.442     | 3.642 | 53.940             | 50.000            | 7.9  |

### CALIBRATION VERIFICATION SUMMARY

Contract: TETR06

Lab Code: CHEM Case No.: Q1122 SAS No.: Q1122 SDG NO.: Q1122

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 12/23/2024 12/23/2024

Client Sample No.: CCAL01 Date Analyzed: 01/20/2025

Lab Sample No.: PSTDCCC050 Data File : PL093696.D Time Analyzed: 09:18

| COMPOUND             | RT    | RT WINDOW |       | CALC<br>AMOUNT(ng) | NOM<br>AMOUNT(ng) | %D   |
|----------------------|-------|-----------|-------|--------------------|-------------------|------|
|                      |       | FROM      | TO    |                    |                   |      |
| 4,4'-DDD             | 5.785 | 5.688     | 5.888 | 59.400             | 50.000            | 18.8 |
| 4,4'-DDE             | 5.231 | 5.133     | 5.333 | 56.910             | 50.000            | 13.8 |
| 4,4'-DDT             | 6.036 | 5.937     | 6.137 | 54.630             | 50.000            | 9.3  |
| Aldrin               | 4.225 | 4.128     | 4.328 | 56.960             | 50.000            | 13.9 |
| alpha-BHC            | 3.278 | 3.180     | 3.380 | 57.770             | 50.000            | 15.5 |
| alpha-Chlordane      | 5.042 | 4.944     | 5.144 | 55.720             | 50.000            | 11.4 |
| beta-BHC             | 3.908 | 3.810     | 4.010 | 57.160             | 50.000            | 14.3 |
| Decachlorobiphenyl   | 7.911 | 7.812     | 8.012 | 51.060             | 50.000            | 2.1  |
| delta-BHC            | 4.136 | 4.038     | 4.238 | 57.910             | 50.000            | 15.8 |
| Dieldrin             | 5.362 | 5.264     | 5.464 | 55.890             | 50.000            | 11.8 |
| Endosulfan I         | 5.098 | 5.000     | 5.200 | 56.110             | 50.000            | 12.2 |
| Endosulfan II        | 5.932 | 5.834     | 6.034 | 56.610             | 50.000            | 13.2 |
| Endosulfan sulfate   | 6.335 | 6.237     | 6.437 | 54.250             | 50.000            | 8.5  |
| Endrin               | 5.638 | 5.540     | 5.740 | 55.140             | 50.000            | 10.3 |
| Endrin aldehyde      | 6.112 | 6.013     | 6.213 | 54.790             | 50.000            | 9.6  |
| Endrin ketone        | 6.840 | 6.742     | 6.942 | 54.250             | 50.000            | 8.5  |
| gamma-BHC (Lindane)  | 3.608 | 3.510     | 3.710 | 57.510             | 50.000            | 15.0 |
| gamma-Chlordane      | 4.978 | 4.880     | 5.080 | 56.100             | 50.000            | 12.2 |
| Heptachlor           | 3.946 | 3.848     | 4.048 | 55.070             | 50.000            | 10.1 |
| Heptachlor epoxide   | 4.728 | 4.630     | 4.830 | 55.340             | 50.000            | 10.7 |
| Methoxychlor         | 6.610 | 6.512     | 6.712 | 51.220             | 50.000            | 2.4  |
| Tetrachloro-m-xylene | 2.776 | 2.677     | 2.877 | 56.460             | 50.000            | 12.9 |

# CALIBRATION VERIFICATION SUMMARY

Contract: TETR06

Lab Code: CHEM Case No.: Q1122 SAS No.: Q1122 SDG NO.: Q1122

Continuing Calib Date: 01/20/2025 Initial Calibration Date(s): 12/23/2024 12/23/2024

Continuing Calib Time: 14:19 Initial Calibration Time(s): 13:15 14:09

GC Column: ZB-MR1 ID: 0.32 (mm)

| COMPOUND             | CCAL<br>RT | AVG<br>RT | RT WINDOW |      | DIFF<br>RT |
|----------------------|------------|-----------|-----------|------|------------|
|                      |            |           | FROM      | TO   |            |
| Decachlorobiphenyl   | 9.06       | 9.06      | 8.96      | 9.16 | 0.00       |
| Tetrachloro-m-xylene | 3.54       | 3.54      | 3.44      | 3.64 | 0.00       |
| alpha-BHC            | 4.00       | 4.00      | 3.90      | 4.10 | 0.00       |
| beta-BHC             | 4.53       | 4.53      | 4.43      | 4.63 | 0.00       |
| delta-BHC            | 4.78       | 4.78      | 4.68      | 4.88 | 0.00       |
| gamma-BHC (Lindane)  | 4.33       | 4.33      | 4.23      | 4.43 | 0.00       |
| Heptachlor           | 4.92       | 4.92      | 4.82      | 5.02 | 0.00       |
| Aldrin               | 5.26       | 5.26      | 5.16      | 5.36 | 0.00       |
| Heptachlor epoxide   | 5.69       | 5.69      | 5.59      | 5.79 | 0.01       |
| Endosulfan I         | 6.07       | 6.07      | 5.97      | 6.17 | 0.00       |
| Dieldrin             | 6.35       | 6.35      | 6.25      | 6.45 | 0.01       |
| 4,4'-DDE             | 6.19       | 6.19      | 6.09      | 6.29 | 0.00       |
| Endrin               | 6.58       | 6.58      | 6.48      | 6.68 | 0.01       |
| Endosulfan II        | 6.79       | 6.80      | 6.70      | 6.90 | 0.01       |
| 4,4'-DDD             | 6.71       | 6.71      | 6.61      | 6.81 | 0.00       |
| Endosulfan sulfate   | 7.16       | 7.16      | 7.06      | 7.26 | 0.00       |
| 4,4'-DDT             | 7.02       | 7.03      | 6.93      | 7.13 | 0.01       |
| Methoxychlor         | 7.50       | 7.50      | 7.40      | 7.60 | 0.00       |
| Endrin ketone        | 7.64       | 7.65      | 7.55      | 7.75 | 0.01       |
| Endrin aldehyde      | 6.93       | 6.93      | 6.83      | 7.03 | 0.00       |
| alpha-Chlordane      | 6.02       | 6.02      | 5.92      | 6.12 | 0.00       |
| gamma-Chlordane      | 5.94       | 5.94      | 5.84      | 6.04 | 0.00       |

### CALIBRATION VERIFICATION SUMMARY

Contract: TETR06

Lab Code: CHEM Case No.: Q1122 SAS No.: Q1122 SDG NO.: Q1122

Continuing Calib Date: 01/20/2025 Initial Calibration Date(s): 12/23/2024 12/23/2024

Continuing Calib Time: 14:19 Initial Calibration Time(s): 13:15 14:09

GC Column: ZB-MR2 ID: 0.32 (mm)

| COMPOUND             | CCAL<br>RT | AVG<br>RT | RT WINDOW |      | DIFF<br>RT |
|----------------------|------------|-----------|-----------|------|------------|
|                      |            |           | FROM      | TO   |            |
| Decachlorobiphenyl   | 7.91       | 7.91      | 7.81      | 8.01 | 0.00       |
| Tetrachloro-m-xylene | 2.78       | 2.78      | 2.68      | 2.88 | 0.00       |
| alpha-BHC            | 3.28       | 3.28      | 3.18      | 3.38 | 0.00       |
| beta-BHC             | 3.91       | 3.91      | 3.81      | 4.01 | 0.00       |
| delta-BHC            | 4.14       | 4.14      | 4.04      | 4.24 | 0.00       |
| gamma-BHC (Lindane)  | 3.61       | 3.61      | 3.51      | 3.71 | 0.00       |
| Heptachlor           | 3.95       | 3.95      | 3.85      | 4.05 | 0.01       |
| Aldrin               | 4.23       | 4.23      | 4.13      | 4.33 | 0.01       |
| Heptachlor epoxide   | 4.73       | 4.73      | 4.63      | 4.83 | 0.00       |
| Endosulfan I         | 5.10       | 5.10      | 5.00      | 5.20 | 0.00       |
| Dieldrin             | 5.36       | 5.36      | 5.26      | 5.46 | 0.00       |
| 4,4'-DDE             | 5.23       | 5.23      | 5.13      | 5.33 | 0.00       |
| Endrin               | 5.64       | 5.64      | 5.54      | 5.74 | 0.00       |
| Endosulfan II        | 5.93       | 5.93      | 5.83      | 6.03 | 0.00       |
| 4,4'-DDD             | 5.79       | 5.79      | 5.69      | 5.89 | 0.01       |
| Endosulfan sulfate   | 6.33       | 6.34      | 6.24      | 6.44 | 0.01       |
| 4,4'-DDT             | 6.04       | 6.04      | 5.94      | 6.14 | 0.01       |
| Methoxychlor         | 6.61       | 6.61      | 6.51      | 6.71 | 0.00       |
| Endrin ketone        | 6.84       | 6.84      | 6.74      | 6.94 | 0.00       |
| Endrin aldehyde      | 6.11       | 6.11      | 6.01      | 6.21 | 0.00       |
| alpha-Chlordane      | 5.04       | 5.04      | 4.94      | 5.14 | 0.00       |
| gamma-Chlordane      | 4.98       | 4.98      | 4.88      | 5.08 | 0.00       |

### CALIBRATION VERIFICATION SUMMARY

Contract: TETR06

Lab Code: CHEM Case No.: Q1122 SAS No.: Q1122 SDG NO.: Q1122

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 12/23/2024 12/23/2024

Client Sample No.: CCAL02 Date Analyzed: 01/20/2025

Lab Sample No.: PSTDCCC050 Data File : PL093707.D Time Analyzed: 14:19

| COMPOUND             | RT    | RT WINDOW |       | CALC       | NOM        | %D   |
|----------------------|-------|-----------|-------|------------|------------|------|
|                      |       | FROM      | TO    | AMOUNT(ng) | AMOUNT(ng) |      |
| 4,4'-DDD             | 6.711 | 6.611     | 6.811 | 52.780     | 50.000     | 5.6  |
| 4,4'-DDE             | 6.194 | 6.094     | 6.294 | 51.170     | 50.000     | 2.3  |
| 4,4'-DDT             | 7.024 | 6.925     | 7.125 | 49.700     | 50.000     | -0.6 |
| Aldrin               | 5.258 | 5.159     | 5.359 | 50.490     | 50.000     | 1.0  |
| alpha-BHC            | 3.997 | 3.897     | 4.097 | 50.180     | 50.000     | 0.4  |
| alpha-Chlordane      | 6.020 | 5.920     | 6.120 | 50.180     | 50.000     | 0.4  |
| beta-BHC             | 4.527 | 4.427     | 4.627 | 50.410     | 50.000     | 0.8  |
| Decachlorobiphenyl   | 9.056 | 8.956     | 9.156 | 49.920     | 50.000     | -0.2 |
| delta-BHC            | 4.775 | 4.675     | 4.875 | 51.660     | 50.000     | 3.3  |
| Dieldrin             | 6.345 | 6.246     | 6.446 | 49.620     | 50.000     | -0.8 |
| Endosulfan I         | 6.070 | 5.971     | 6.171 | 49.700     | 50.000     | -0.6 |
| Endosulfan II        | 6.794 | 6.695     | 6.895 | 46.600     | 50.000     | -6.8 |
| Endosulfan sulfate   | 7.159 | 7.060     | 7.260 | 49.490     | 50.000     | -1.0 |
| Endrin               | 6.575 | 6.475     | 6.675 | 48.570     | 50.000     | -2.9 |
| Endrin aldehyde      | 6.925 | 6.826     | 7.026 | 49.150     | 50.000     | -1.7 |
| Endrin ketone        | 7.644 | 7.545     | 7.745 | 50.150     | 50.000     | 0.3  |
| gamma-BHC (Lindane)  | 4.329 | 4.229     | 4.429 | 50.910     | 50.000     | 1.8  |
| gamma-Chlordane      | 5.941 | 5.841     | 6.041 | 49.910     | 50.000     | -0.2 |
| Heptachlor           | 4.917 | 4.818     | 5.018 | 50.540     | 50.000     | 1.1  |
| Heptachlor epoxide   | 5.685 | 5.586     | 5.786 | 50.010     | 50.000     | 0.0  |
| Methoxychlor         | 7.501 | 7.400     | 7.600 | 50.580     | 50.000     | 1.2  |
| Tetrachloro-m-xylene | 3.541 | 3.442     | 3.642 | 49.520     | 50.000     | -1.0 |

### CALIBRATION VERIFICATION SUMMARY

Contract: TETR06

Lab Code: CHEM Case No.: Q1122 SAS No.: Q1122 SDG NO.: Q1122

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 12/23/2024 12/23/2024

Client Sample No.: CCAL02 Date Analyzed: 01/20/2025

Lab Sample No.: PSTDCCC050 Data File : PL093707.D Time Analyzed: 14:19

| COMPOUND             | RT    | RT WINDOW |       | CALC<br>AMOUNT(ng) | NOM<br>AMOUNT(ng) | %D   |
|----------------------|-------|-----------|-------|--------------------|-------------------|------|
|                      |       | FROM      | TO    |                    |                   |      |
| 4,4'-DDD             | 5.785 | 5.688     | 5.888 | 56.740             | 50.000            | 13.5 |
| 4,4'-DDE             | 5.230 | 5.133     | 5.333 | 53.040             | 50.000            | 6.1  |
| 4,4'-DDT             | 6.035 | 5.937     | 6.137 | 51.990             | 50.000            | 4.0  |
| Aldrin               | 4.225 | 4.128     | 4.328 | 52.470             | 50.000            | 4.9  |
| alpha-BHC            | 3.278 | 3.180     | 3.380 | 53.090             | 50.000            | 6.2  |
| alpha-Chlordane      | 5.041 | 4.944     | 5.144 | 51.950             | 50.000            | 3.9  |
| beta-BHC             | 3.907 | 3.810     | 4.010 | 52.560             | 50.000            | 5.1  |
| Decachlorobiphenyl   | 7.910 | 7.812     | 8.012 | 51.660             | 50.000            | 3.3  |
| delta-BHC            | 4.136 | 4.038     | 4.238 | 53.490             | 50.000            | 7.0  |
| Dieldrin             | 5.361 | 5.264     | 5.464 | 52.340             | 50.000            | 4.7  |
| Endosulfan I         | 5.097 | 5.000     | 5.200 | 51.810             | 50.000            | 3.6  |
| Endosulfan II        | 5.932 | 5.834     | 6.034 | 53.950             | 50.000            | 7.9  |
| Endosulfan sulfate   | 6.334 | 6.237     | 6.437 | 53.050             | 50.000            | 6.1  |
| Endrin               | 5.637 | 5.540     | 5.740 | 51.990             | 50.000            | 4.0  |
| Endrin aldehyde      | 6.111 | 6.013     | 6.213 | 52.670             | 50.000            | 5.3  |
| Endrin ketone        | 6.839 | 6.742     | 6.942 | 53.330             | 50.000            | 6.7  |
| gamma-BHC (Lindane)  | 3.607 | 3.510     | 3.710 | 53.020             | 50.000            | 6.0  |
| gamma-Chlordane      | 4.978 | 4.880     | 5.080 | 52.110             | 50.000            | 4.2  |
| Heptachlor           | 3.945 | 3.848     | 4.048 | 51.780             | 50.000            | 3.6  |
| Heptachlor epoxide   | 4.728 | 4.630     | 4.830 | 51.410             | 50.000            | 2.8  |
| Methoxychlor         | 6.610 | 6.512     | 6.712 | 51.530             | 50.000            | 3.1  |
| Tetrachloro-m-xylene | 2.775 | 2.677     | 2.877 | 52.000             | 50.000            | 4.0  |

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Contract: TETR06

Lab Code: CHEM Case No.: Q1122 SAS No.: Q1122 SDG NO.: Q1122

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 12/23/2024 12/23/2024

Client Sample No. (PEM): PEM - PL093482.D Date Analyzed: 12/23/2024

Lab Sample No.(PEM): PEM Time Analyzed: 12:47

| PEM COMPOUND         | RT    | RT WINDOW |       | CALC<br>AMOUNT(ng) | NOM<br>AMOUNT(ng) | %D    |
|----------------------|-------|-----------|-------|--------------------|-------------------|-------|
|                      |       | FROM      | TO    |                    |                   |       |
| Decachlorobiphenyl   | 9.054 | 8.950     | 9.150 | 19.460             | 20.000            | -2.7  |
| Tetrachloro-m-xylene | 3.541 | 3.490     | 3.590 | 19.200             | 20.000            | -4.0  |
| alpha-BHC            | 3.997 | 3.950     | 4.050 | 9.900              | 10.000            | -1.0  |
| beta-BHC             | 4.528 | 4.480     | 4.580 | 9.800              | 10.000            | -2.0  |
| gamma-BHC (Lindane)  | 4.329 | 4.280     | 4.380 | 9.720              | 10.000            | -2.8  |
| Endrin               | 6.575 | 6.500     | 6.650 | 42.660             | 50.000            | -14.7 |
| 4,4'-DDT             | 7.025 | 6.950     | 7.100 | 85.450             | 100.000           | -14.6 |
| Methoxychlor         | 7.501 | 7.430     | 7.570 | 195.970            | 250.000           | -21.6 |

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 12/23/2024 12/23/2024

Client Sample No. (PEM): PEM - PL093482.D Date Analyzed: 12/23/2024

Lab Sample No.(PEM): PEM Time Analyzed: 12:47

| PEM COMPOUND         | RT    | RT WINDOW |       | CALC<br>AMOUNT(ng) | NOM<br>AMOUNT(ng) | %D    |
|----------------------|-------|-----------|-------|--------------------|-------------------|-------|
|                      |       | FROM      | TO    |                    |                   |       |
| Decachlorobiphenyl   | 7.912 | 7.810     | 8.010 | 18.580             | 20.000            | -7.1  |
| Tetrachloro-m-xylene | 2.777 | 2.730     | 2.830 | 18.650             | 20.000            | -6.8  |
| alpha-BHC            | 3.280 | 3.230     | 3.330 | 8.850              | 10.000            | -11.5 |
| beta-BHC             | 3.910 | 3.860     | 3.960 | 9.830              | 10.000            | -1.7  |
| gamma-BHC (Lindane)  | 3.609 | 3.560     | 3.660 | 8.480              | 10.000            | -15.2 |
| Endrin               | 5.639 | 5.570     | 5.710 | 44.360             | 50.000            | -11.3 |
| 4,4'-DDT             | 6.038 | 5.970     | 6.110 | 99.160             | 100.000           | -0.8  |
| Methoxychlor         | 6.612 | 6.540     | 6.680 | 219.190            | 250.000           | -12.3 |

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Contract: TETR06

Lab Code: CHEM Case No.: Q1122 SAS No.: Q1122 SDG NO.: Q1122

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 12/23/2024 12/23/2024

Client Sample No. (PEM): PEM - PL093695.D Date Analyzed: 01/20/2025

Lab Sample No.(PEM): PEM Time Analyzed: 09:05

| PEM COMPOUND         | RT    | RT WINDOW |       | CALC       | NOM        | %D   |
|----------------------|-------|-----------|-------|------------|------------|------|
|                      |       | FROM      | TO    | AMOUNT(ng) | AMOUNT(ng) |      |
| Decachlorobiphenyl   | 9.055 | 8.950     | 9.160 | 22.130     | 20.000     | 10.7 |
| Tetrachloro-m-xylene | 3.540 | 3.490     | 3.590 | 23.190     | 20.000     | 16.0 |
| alpha-BHC            | 3.995 | 3.940     | 4.050 | 12.040     | 10.000     | 20.4 |
| beta-BHC             | 4.526 | 4.480     | 4.580 | 12.800     | 10.000     | 28.0 |
| gamma-BHC (Lindane)  | 4.328 | 4.280     | 4.380 | 12.070     | 10.000     | 20.7 |
| Endrin               | 6.574 | 6.500     | 6.640 | 47.580     | 50.000     | -4.8 |
| 4,4'-DDT             | 7.024 | 6.950     | 7.090 | 100.200    | 100.000    | 0.2  |
| Methoxychlor         | 7.500 | 7.430     | 7.570 | 228.710    | 250.000    | -8.5 |

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 12/23/2024 12/23/2024

Client Sample No. (PEM): PEM - PL093695.D Date Analyzed: 01/20/2025

Lab Sample No.(PEM): PEM Time Analyzed: 09:05

| PEM COMPOUND         | RT    | RT WINDOW |       | CALC       | NOM        | %D   |
|----------------------|-------|-----------|-------|------------|------------|------|
|                      |       | FROM      | TO    | AMOUNT(ng) | AMOUNT(ng) |      |
| Decachlorobiphenyl   | 7.911 | 7.810     | 8.010 | 20.550     | 20.000     | 2.8  |
| Tetrachloro-m-xylene | 2.776 | 2.730     | 2.830 | 22.760     | 20.000     | 13.8 |
| alpha-BHC            | 3.277 | 3.230     | 3.330 | 10.900     | 10.000     | 9.0  |
| beta-BHC             | 3.908 | 3.860     | 3.960 | 12.260     | 10.000     | 22.6 |
| gamma-BHC (Lindane)  | 3.608 | 3.560     | 3.660 | 10.570     | 10.000     | 5.7  |
| Endrin               | 5.637 | 5.570     | 5.710 | 52.210     | 50.000     | 4.4  |
| 4,4'-DDT             | 6.036 | 5.970     | 6.110 | 112.910    | 100.000    | 12.9 |
| Methoxychlor         | 6.610 | 6.540     | 6.680 | 233.340    | 250.000    | -6.7 |

## Analytical Sequence

|                                        |                                                                 |
|----------------------------------------|-----------------------------------------------------------------|
| Client: Tetra Tech NUS, Inc.           | SDG No.: Q1122                                                  |
| Project: NWIRP Bethpage 112G08005-WE13 | Instrument ID: ECD_L                                            |
| GC Column: ZB-MR1                      | ID: 0.32 (mm)    Inst. Calib. Date(s): 12/23/2024    12/23/2024 |

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES,  
AND STANDARDS IS GIVEN BELOW:

| EPA<br>SAMPLE NO. | LAB<br>SAMPLE ID | DATE<br>ANALYZED | TIME<br>ANALYZED | DATAFILE   | DCB<br>RT # | TCX<br>RT # |
|-------------------|------------------|------------------|------------------|------------|-------------|-------------|
| IBLK              | IBLK             | 12/23/2024       | 12:34            | PL093481.D | 9.06        | 3.54        |
| PEM               | PEM              | 12/23/2024       | 12:47            | PL093482.D | 9.05        | 3.54        |
| RESCHK            | RESCHK           | 12/23/2024       | 13:01            | PL093483.D | 9.06        | 3.54        |
| PSTDICC100        | PSTDICC100       | 12/23/2024       | 13:15            | PL093484.D | 9.06        | 3.54        |
| PSTDICC075        | PSTDICC075       | 12/23/2024       | 13:28            | PL093485.D | 9.06        | 3.54        |
| PSTDICC050        | PSTDICC050       | 12/23/2024       | 13:42            | PL093486.D | 9.06        | 3.54        |
| PSTDICC025        | PSTDICC025       | 12/23/2024       | 13:55            | PL093487.D | 9.05        | 3.54        |
| PSTDICC005        | PSTDICC005       | 12/23/2024       | 14:09            | PL093488.D | 9.05        | 3.54        |
| PCHLORICC500      | PCHLORICC500     | 12/23/2024       | 14:50            | PL093491.D | 9.06        | 3.54        |
| PTOXICC500        | PTOXICC500       | 12/23/2024       | 15:58            | PL093496.D | 9.06        | 3.54        |
| IBLK              | IBLK             | 01/20/2025       | 08:51            | PL093694.D | 9.06        | 3.54        |
| PEM               | PEM              | 01/20/2025       | 09:05            | PL093695.D | 9.06        | 3.54        |
| PSTDCCC050        | PSTDCCC050       | 01/20/2025       | 09:18            | PL093696.D | 9.06        | 3.54        |
| PB166101BL        | PB166101BL       | 01/20/2025       | 12:22            | PL093701.D | 9.06        | 3.54        |
| PB166101BS        | PB166101BS       | 01/20/2025       | 12:35            | PL093702.D | 9.06        | 3.54        |
| PB166101BSD       | PB166101BSD      | 01/20/2025       | 13:01            | PL093703.D | 9.06        | 3.55        |
| RW10A-20250116    | Q1122-01         | 01/20/2025       | 13:28            | PL093705.D | 9.05        | 3.54        |
| IBLK              | IBLK             | 01/20/2025       | 13:50            | PL093706.D | 9.08        | 3.57        |
| PSTDCCC050        | PSTDCCC050       | 01/20/2025       | 14:19            | PL093707.D | 9.06        | 3.54        |

## Analytical Sequence

|                                        |                                                                 |
|----------------------------------------|-----------------------------------------------------------------|
| Client: Tetra Tech NUS, Inc.           | SDG No.: Q1122                                                  |
| Project: NWIRP Bethpage 112G08005-WE13 | Instrument ID: ECD_L                                            |
| GC Column: ZB-MR2                      | ID: 0.32 (mm)    Inst. Calib. Date(s): 12/23/2024    12/23/2024 |

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES,  
AND STANDARDS IS GIVEN BELOW:

| EPA<br>SAMPLE NO. | LAB<br>SAMPLE ID | DATE<br>ANALYZED | TIME<br>ANALYZED | DATAFILE   | DCB<br>RT # | TCX<br>RT # |
|-------------------|------------------|------------------|------------------|------------|-------------|-------------|
| IBLK              | IBLK             | 12/23/2024       | 12:34            | PL093481.D | 7.91        | 2.78        |
| PEM               | PEM              | 12/23/2024       | 12:47            | PL093482.D | 7.91        | 2.78        |
| RESCHK            | RESCHK           | 12/23/2024       | 13:01            | PL093483.D | 7.91        | 2.78        |
| PSTDICC100        | PSTDICC100       | 12/23/2024       | 13:15            | PL093484.D | 7.91        | 2.78        |
| PSTDICC075        | PSTDICC075       | 12/23/2024       | 13:28            | PL093485.D | 7.91        | 2.78        |
| PSTDICC050        | PSTDICC050       | 12/23/2024       | 13:42            | PL093486.D | 7.91        | 2.78        |
| PSTDICC025        | PSTDICC025       | 12/23/2024       | 13:55            | PL093487.D | 7.91        | 2.78        |
| PSTDICC005        | PSTDICC005       | 12/23/2024       | 14:09            | PL093488.D | 7.91        | 2.78        |
| PCHLORICC500      | PCHLORICC500     | 12/23/2024       | 14:50            | PL093491.D | 7.91        | 2.78        |
| PTOXICC500        | PTOXICC500       | 12/23/2024       | 15:58            | PL093496.D | 7.91        | 2.78        |
| IBLK              | IBLK             | 01/20/2025       | 08:51            | PL093694.D | 7.91        | 2.78        |
| PEM               | PEM              | 01/20/2025       | 09:05            | PL093695.D | 7.91        | 2.78        |
| PSTDCCC050        | PSTDCCC050       | 01/20/2025       | 09:18            | PL093696.D | 7.91        | 2.78        |
| PB166101BL        | PB166101BL       | 01/20/2025       | 12:22            | PL093701.D | 7.91        | 2.78        |
| PB166101BS        | PB166101BS       | 01/20/2025       | 12:35            | PL093702.D | 7.91        | 2.78        |
| PB166101BSD       | PB166101BSD      | 01/20/2025       | 13:01            | PL093703.D | 7.91        | 2.78        |
| RW10A-20250116    | Q1122-01         | 01/20/2025       | 13:28            | PL093705.D | 7.91        | 2.78        |
| IBLK              | IBLK             | 01/20/2025       | 13:50            | PL093706.D | 7.91        | 2.78        |
| PSTDCCC050        | PSTDCCC050       | 01/20/2025       | 14:19            | PL093707.D | 7.91        | 2.78        |

# COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB166101BS

Contract: TETR06

Lab Code: CHEM

Case No.: Q1122

SAS No.: Q1122

SDG NO.: Q1122

Lab Sample ID: PB166101BS

Date(s) Analyzed: 01/20/2025

01/20/2025

Instrument ID (1): ECD\_L

Instrument ID (2): ECD\_L

GC Column: (1): ZB-MR1

ID: 0.32 (mm)

GC Column: (2): ZB-MR2

ID: 0.32 (mm)

| ANALYTE             | COL | RT   | RT WINDOW |      | CONCENTRATION | %RPD |
|---------------------|-----|------|-----------|------|---------------|------|
|                     |     |      | FROM      | TO   |               |      |
| Endosulfan II       | 1   | 6.79 | 6.74      | 6.84 | 0.46          | 14.1 |
|                     | 2   | 5.93 | 5.88      | 5.98 | 0.53          |      |
| 4,4'-DDD            | 1   | 6.71 | 6.66      | 6.76 | 0.52          | 5.7  |
|                     | 2   | 5.79 | 5.74      | 5.84 | 0.55          |      |
| 4,4'-DDT            | 1   | 7.02 | 6.97      | 7.07 | 0.50          | 1.9  |
|                     | 2   | 6.04 | 5.99      | 6.09 | 0.51          |      |
| Endrin aldehyde     | 1   | 6.92 | 6.87      | 6.97 | 0.47          | 6.4  |
|                     | 2   | 6.11 | 6.06      | 6.16 | 0.50          |      |
| Endosulfan sulfate  | 1   | 7.16 | 7.11      | 7.21 | 0.48          | 6.4  |
|                     | 2   | 6.33 | 6.28      | 6.38 | 0.51          |      |
| Methoxychlor        | 1   | 7.50 | 7.45      | 7.55 | 0.48          | 0.1  |
|                     | 2   | 6.61 | 6.56      | 6.66 | 0.48          |      |
| Endrin ketone       | 1   | 7.64 | 7.59      | 7.69 | 0.49          | 7.1  |
|                     | 2   | 6.84 | 6.79      | 6.89 | 0.52          |      |
| alpha-BHC           | 1   | 3.99 | 3.94      | 4.04 | 0.47          | 4.4  |
|                     | 2   | 3.28 | 3.23      | 3.33 | 0.49          |      |
| gamma-BHC (Lindane) | 1   | 4.33 | 4.28      | 4.38 | 0.46          | 3    |
|                     | 2   | 3.61 | 3.56      | 3.66 | 0.48          |      |
| Heptachlor          | 1   | 4.92 | 4.87      | 4.97 | 0.48          | 1.8  |
|                     | 2   | 3.95 | 3.90      | 4.00 | 0.49          |      |
| Aldrin              | 1   | 5.26 | 5.21      | 5.31 | 0.46          | 2.7  |
|                     | 2   | 4.23 | 4.18      | 4.28 | 0.47          |      |
| beta-BHC            | 1   | 4.53 | 4.48      | 4.58 | 0.48          | 3.2  |
|                     | 2   | 3.91 | 3.86      | 3.96 | 0.50          |      |
| delta-BHC           | 1   | 4.77 | 4.72      | 4.82 | 0.47          | 0.5  |
|                     | 2   | 4.14 | 4.09      | 4.19 | 0.48          |      |
| Heptachlor epoxide  | 1   | 5.68 | 5.63      | 5.73 | 0.47          | 3    |
|                     | 2   | 4.73 | 4.68      | 4.78 | 0.48          |      |

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB166101BS

Contract: TETR06

Lab Code: CHEM

Case No.: Q1122

SAS No.: Q1122

SDG NO.: Q1122

Lab Sample ID: PB166101BS

Date(s) Analyzed: 01/20/2025

01/20/2025

Instrument ID (1): ECD\_L

Instrument ID (2): ECD\_L

GC Column: (1): ZB-MR1

ID: 0.32 (mm)

GC Column: (2): ZB-MR2

ID: 0.32 (mm)

| ANALYTE         | COL | RT   | RT WINDOW |      | CONCENTRATION | %RPD |
|-----------------|-----|------|-----------|------|---------------|------|
|                 |     |      | FROM      | TO   |               |      |
| Endosulfan I    | 1   | 6.07 | 6.02      | 6.12 | 0.48          | 5.6  |
|                 | 2   | 5.10 | 5.05      | 5.15 | 0.51          |      |
| gamma-Chlordane | 1   | 5.94 | 5.89      | 5.99 | 0.48          | 5    |
|                 | 2   | 4.98 | 4.93      | 5.03 | 0.51          |      |
| alpha-Chlordane | 1   | 6.02 | 5.97      | 6.07 | 0.48          | 3.8  |
|                 | 2   | 5.04 | 4.99      | 5.09 | 0.50          |      |
| 4,4'-DDE        | 1   | 6.19 | 6.14      | 6.24 | 0.50          | 2.4  |
|                 | 2   | 5.23 | 5.18      | 5.28 | 0.51          |      |
| Dieldrin        | 1   | 6.34 | 6.29      | 6.39 | 0.48          | 5.4  |
|                 | 2   | 5.36 | 5.31      | 5.41 | 0.50          |      |
| Endrin          | 1   | 6.57 | 6.52      | 6.62 | 0.46          | 8.6  |
|                 | 2   | 5.64 | 5.59      | 5.69 | 0.50          |      |

# COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB166101BSD

Contract: TETR06

Lab Code: CHEM

Case No.: Q1122

SAS No.: Q1122

SDG NO.: Q1122

Lab Sample ID: PB166101BSD

Date(s) Analyzed: 01/20/2025

01/20/2025

Instrument ID (1): ECD\_L

Instrument ID (2): ECD\_L

GC Column: (1): ZB-MR1

ID: 0.32 (mm)

GC Column: (2): ZB-MR2

ID: 0.32 (mm)

| ANALYTE             | COL | RT   | RT WINDOW |      | CONCENTRATION | %RPD |
|---------------------|-----|------|-----------|------|---------------|------|
|                     |     |      | FROM      | TO   |               |      |
| 4,4'-DDD            | 1   | 6.72 | 6.67      | 6.77 | 0.51          | 5.7  |
|                     | 2   | 5.79 | 5.74      | 5.84 | 0.54          |      |
| 4,4'-DDT            | 1   | 7.03 | 6.98      | 7.08 | 0.49          | 1.9  |
|                     | 2   | 6.04 | 5.99      | 6.09 | 0.50          |      |
| Aldrin              | 1   | 5.26 | 5.21      | 5.31 | 0.45          | 0.7  |
|                     | 2   | 4.23 | 4.18      | 4.28 | 0.46          |      |
| 4,4'-DDE            | 1   | 6.20 | 6.15      | 6.25 | 0.49          | 1.1  |
|                     | 2   | 5.23 | 5.18      | 5.28 | 0.49          |      |
| Endosulfan II       | 1   | 6.80 | 6.75      | 6.85 | 0.45          | 13.9 |
|                     | 2   | 5.93 | 5.88      | 5.98 | 0.52          |      |
| Endrin aldehyde     | 1   | 6.93 | 6.88      | 6.98 | 0.47          | 6    |
|                     | 2   | 6.11 | 6.06      | 6.16 | 0.49          |      |
| Endosulfan sulfate  | 1   | 7.16 | 7.11      | 7.21 | 0.48          | 6.2  |
|                     | 2   | 6.34 | 6.29      | 6.39 | 0.51          |      |
| Methoxychlor        | 1   | 7.51 | 7.46      | 7.56 | 0.48          | 0    |
|                     | 2   | 6.61 | 6.56      | 6.66 | 0.48          |      |
| Endrin ketone       | 1   | 7.65 | 7.60      | 7.70 | 0.49          | 6.3  |
|                     | 2   | 6.84 | 6.79      | 6.89 | 0.52          |      |
| alpha-BHC           | 1   | 4.00 | 3.95      | 4.05 | 0.45          | 2.5  |
|                     | 2   | 3.28 | 3.23      | 3.33 | 0.47          |      |
| gamma-BHC (Lindane) | 1   | 4.34 | 4.29      | 4.39 | 0.45          | 1.1  |
|                     | 2   | 3.61 | 3.56      | 3.66 | 0.46          |      |
| Heptachlor          | 1   | 4.92 | 4.87      | 4.97 | 0.48          | 0.8  |
|                     | 2   | 3.95 | 3.90      | 4.00 | 0.47          |      |
| beta-BHC            | 1   | 4.53 | 4.48      | 4.58 | 0.47          | 2.5  |
|                     | 2   | 3.91 | 3.86      | 3.96 | 0.48          |      |
| delta-BHC           | 1   | 4.78 | 4.73      | 4.83 | 0.47          | 1.8  |
|                     | 2   | 4.14 | 4.09      | 4.19 | 0.46          |      |

**COMPOUND DETECTION SUMMARY**

CLIENT SAMPLE NO.

PB166101BSD

Contract: TETR06

Lab Code: CHEM

Case No.: Q1122

SAS No.: Q1122

SDG NO.: Q1122

Lab Sample ID: PB166101BSD

Date(s) Analyzed: 01/20/2025

01/20/2025

Instrument ID (1): ECD\_L

Instrument ID (2): ECD\_L

GC Column: (1): ZB-MR1 ID: 0.32 (mm)

GC Column: (2): ZB-MR2 ID: 0.32 (mm)

| ANALYTE            | COL | RT   | RT WINDOW |      | CONCENTRATION | %RPD |
|--------------------|-----|------|-----------|------|---------------|------|
|                    |     |      | FROM      | TO   |               |      |
| Heptachlor epoxide | 1   | 5.69 | 5.64      | 5.74 | 0.46          | 1    |
|                    | 2   | 4.73 | 4.68      | 4.78 | 0.47          |      |
| Endosulfan I       | 1   | 6.08 | 6.03      | 6.13 | 0.47          | 3.6  |
|                    | 2   | 5.10 | 5.05      | 5.15 | 0.49          |      |
| gamma-Chlordane    | 1   | 5.95 | 5.90      | 6.00 | 0.47          | 3.6  |
|                    | 2   | 4.98 | 4.93      | 5.03 | 0.49          |      |
| alpha-Chlordane    | 1   | 6.03 | 5.98      | 6.08 | 0.48          | 1.7  |
|                    | 2   | 5.04 | 4.99      | 5.09 | 0.49          |      |
| Dieldrin           | 1   | 6.35 | 6.30      | 6.40 | 0.47          | 3.6  |
|                    | 2   | 5.36 | 5.31      | 5.41 | 0.49          |      |
| Endrin             | 1   | 6.58 | 6.53      | 6.63 | 0.46          | 7.2  |
|                    | 2   | 5.64 | 5.59      | 5.69 | 0.49          |      |

## LAB CHRONICLE

|                 |                      |                   |                               |
|-----------------|----------------------|-------------------|-------------------------------|
| <b>OrderID:</b> | Q1122                | <b>OrderDate:</b> | 1/17/2025 8:43:00 AM          |
| <b>Client:</b>  | Tetra Tech NUS, Inc. | <b>Project:</b>   | NWIRP Bethpage 112G08005-WE13 |
| <b>Contact:</b> | Ernie Wu             | <b>Location:</b>  | E11,M11                       |

| LabID    | ClientID       | Matrix | Test | Method | Sample Date | Prep Date | Anal Date | Received |
|----------|----------------|--------|------|--------|-------------|-----------|-----------|----------|
| Q1122-01 | RW10A-20250116 | WATER  | PCB  | 8082A  | 01/16/25    | 01/17/25  | 01/20/25  | 01/16/25 |

**Hit Summary Sheet**  
SW-846

**SDG No.:** Q1122

**Order ID:** Q1122

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

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

| Sample ID | Client ID | Matrix | Parameter | Concentration | C | MDL | LOD | RDL | Units |
|-----------|-----------|--------|-----------|---------------|---|-----|-----|-----|-------|
|-----------|-----------|--------|-----------|---------------|---|-----|-----|-----|-------|

Client ID :

**Total Concentration: 0.000**

A  
B  
C  
D  
E  
F  
G



# SAMPLE DATA

## Report of Analysis

|                    |                               |           |                    |          |           |
|--------------------|-------------------------------|-----------|--------------------|----------|-----------|
| Client:            | Tetra Tech NUS, Inc.          |           | Date Collected:    | 01/16/25 |           |
| Project:           | NWIRP Bethpage 112G08005-WE13 |           | Date Received:     | 01/16/25 |           |
| Client Sample ID:  | RW10A-20250116                |           | SDG No.:           | Q1122    |           |
| Lab Sample ID:     | Q1122-01                      |           | Matrix:            | WATER    |           |
| Analytical Method: | SW8082A                       |           | % Solid:           | 0        | Decanted: |
| Sample Wt/Vol:     | 490                           | Units: mL | Final Vol:         | 5000     | uL        |
| Soil Aliquot Vol:  |                               | uL        | Test:              | PCB      |           |
| Extraction Type:   |                               |           | Injection Volume : |          |           |
| GPC Factor :       | 1.0                           | PH :      |                    |          |           |
| Prep Method :      | 3510C                         |           |                    |          |           |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| PP069222.D        | 1         | 01/17/25 11:30 | 01/20/25 11:10 | PB166124      |

| CAS Number        | Parameter            | Conc. | Qualifier | MDL      | LOD  | LOQ / CRQL | Units   |
|-------------------|----------------------|-------|-----------|----------|------|------------|---------|
| <b>TARGETS</b>    |                      |       |           |          |      |            |         |
| 12674-11-2        | Aroclor-1016         | 0.41  | U         | 0.15     | 0.41 | 0.51       | ug/L    |
| 11104-28-2        | Aroclor-1221         | 0.41  | U         | 0.23     | 0.41 | 0.51       | ug/L    |
| 11141-16-5        | Aroclor-1232         | 0.41  | U         | 0.38     | 0.41 | 0.51       | ug/L    |
| 53469-21-9        | Aroclor-1242         | 0.41  | U         | 0.16     | 0.41 | 0.51       | ug/L    |
| 12672-29-6        | Aroclor-1248         | 0.41  | U         | 0.12     | 0.41 | 0.51       | ug/L    |
| 11097-69-1        | Aroclor-1254         | 0.41  | U         | 0.11     | 0.41 | 0.51       | ug/L    |
| 37324-23-5        | Aroclor-1262         | 0.41  | U         | 0.14     | 0.41 | 0.51       | ug/L    |
| 11100-14-4        | Aroclor-1268         | 0.41  | U         | 0.12     | 0.41 | 0.51       | ug/L    |
| 11096-82-5        | Aroclor-1260         | 0.41  | U         | 0.15     | 0.41 | 0.51       | ug/L    |
| <b>SURROGATES</b> |                      |       |           |          |      |            |         |
| 877-09-8          | Tetrachloro-m-xylene | 20.4  |           | 35 - 137 |      | 102%       | SPK: 20 |
| 2051-24-3         | Decachlorobiphenyl   | 20.6  |           | 40 - 135 |      | 103%       | SPK: 20 |

### Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates &gt;25% difference for detected concentrations between the two GC columns

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

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit



# QC SUMMARY

### Surrogate Summary

SDG No.: Q1122

Client: Tetra Tech NUS, Inc.

Analytical Method: 8082A

| Lab Sample ID    | Client ID        | Parameter            | Column | Spike | Result | Rec | Qual | Limits |      |
|------------------|------------------|----------------------|--------|-------|--------|-----|------|--------|------|
|                  |                  |                      |        |       |        |     |      | Low    | High |
| I.BLK-PP068914.D | PIBLK-PP068914.D | Tetrachloro-m-xylene | 1      | 20    | 21.4   | 107 |      | 60     | 140  |
|                  |                  | Decachlorobiphenyl   | 1      | 20    | 23.6   | 118 |      | 60     | 140  |
|                  |                  | Tetrachloro-m-xylene | 2      | 20    | 21.8   | 109 |      | 60     | 140  |
|                  |                  | Decachlorobiphenyl   | 2      | 20    | 22.9   | 115 |      | 60     | 140  |
| I.BLK-PP069218.D | PIBLK-PP069218.D | Tetrachloro-m-xylene | 1      | 20    | 18.2   | 91  |      | 60     | 140  |
|                  |                  | Decachlorobiphenyl   | 1      | 20    | 18.5   | 93  |      | 60     | 140  |
|                  |                  | Tetrachloro-m-xylene | 2      | 20    | 17.0   | 85  |      | 60     | 140  |
|                  |                  | Decachlorobiphenyl   | 2      | 20    | 18.0   | 90  |      | 60     | 140  |
| PB166124BL       | PB166124BL       | Tetrachloro-m-xylene | 1      | 20    | 21.4   | 107 |      | 35     | 137  |
|                  |                  | Decachlorobiphenyl   | 1      | 20    | 21.5   | 107 |      | 40     | 135  |
|                  |                  | Tetrachloro-m-xylene | 2      | 20    | 20.6   | 103 |      | 35     | 137  |
|                  |                  | Decachlorobiphenyl   | 2      | 20    | 20.3   | 101 |      | 40     | 135  |
| PB166124BS       | PB166124BS       | Tetrachloro-m-xylene | 1      | 20    | 21.9   | 110 |      | 35     | 137  |
|                  |                  | Decachlorobiphenyl   | 1      | 20    | 21.1   | 106 |      | 40     | 135  |
|                  |                  | Tetrachloro-m-xylene | 2      | 20    | 20.8   | 104 |      | 35     | 137  |
|                  |                  | Decachlorobiphenyl   | 2      | 20    | 20.3   | 102 |      | 40     | 135  |
| PB166124BSD      | PB166124BSD      | Tetrachloro-m-xylene | 1      | 20    | 21.9   | 110 |      | 35     | 137  |
|                  |                  | Decachlorobiphenyl   | 1      | 20    | 21.6   | 108 |      | 40     | 135  |
|                  |                  | Tetrachloro-m-xylene | 2      | 20    | 21.4   | 107 |      | 35     | 137  |
|                  |                  | Decachlorobiphenyl   | 2      | 20    | 20.9   | 105 |      | 40     | 135  |
| Q1122-01         | RW10A-20250116   | Tetrachloro-m-xylene | 1      | 20    | 20.4   | 102 |      | 35     | 137  |
|                  |                  | Decachlorobiphenyl   | 1      | 20    | 20.6   | 103 |      | 40     | 135  |
|                  |                  | Tetrachloro-m-xylene | 2      | 20    | 19.4   | 97  |      | 35     | 137  |
|                  |                  | Decachlorobiphenyl   | 2      | 20    | 18.9   | 94  |      | 40     | 135  |
| I.BLK-PP069233.D | PIBLK-PP069233.D | Tetrachloro-m-xylene | 1      | 20    | 19.0   | 95  |      | 60     | 140  |
|                  |                  | Decachlorobiphenyl   | 1      | 20    | 18.7   | 94  |      | 60     | 140  |
|                  |                  | Tetrachloro-m-xylene | 2      | 20    | 17.9   | 89  |      | 60     | 140  |
|                  |                  | Decachlorobiphenyl   | 2      | 20    | 17.7   | 88  |      | 60     | 140  |

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

SW-846

SDG No.: Q1122

Client: Tetra Tech NUS, Inc.

Analytical Method: **8082A** Datafile : PP069220.D

| Lab Sample ID | Parameter | Spike | Result | Units | Rec | RPD | Qual | RPD  |     | Limits |  | RPD |
|---------------|-----------|-------|--------|-------|-----|-----|------|------|-----|--------|--|-----|
|               |           |       |        |       |     |     |      | Qual | Low | High   |  |     |
| PB166124BS    | AR1016    | 5     | 4.50   | ug/L  | 90  |     |      |      | 46  | 129    |  |     |
|               | AR1260    | 5     | 4.10   | ug/L  | 82  |     |      |      | 45  | 134    |  |     |

A

B

C

D

E

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G

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

SW-846

SDG No.: Q1122

Client: Tetra Tech NUS, Inc.

Analytical Method: **8082A** Datafile : PP069221.D

| Lab Sample ID | Parameter | Spike | Result | Units | Rec | RPD | Qual | RPD  |     | Limits |     |
|---------------|-----------|-------|--------|-------|-----|-----|------|------|-----|--------|-----|
|               |           |       |        |       |     |     |      | Qual | Low | High   | RPD |
| PB166124BSD   | AR1016    | 5     | 4.60   | ug/L  | 92  | 2   |      |      | 46  | 129    | 20  |
|               | AR1260    | 5     | 4.10   | ug/L  | 82  | 0   |      |      | 45  | 134    | 20  |

A

B

C

D

E

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G

4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB166124BL

Lab Name: CHEMTECH

Contract: TETR06

Lab Code: CHEM Case No.: Q1122

SAS No.: Q1122 SDG NO.: Q1122

Lab Sample ID: PB166124BL

Lab File ID: PP069219.D

Matrix: (soil/water) WATER

Extraction: (Type) SEPF

Sulfur Cleanup: (Y/N) N

Date Extracted: 01/17/2025

Date Analyzed (1): 01/20/2025

Date Analyzed (2): 01/20/2025

Time Analyzed (1): 10:21

Time Analyzed (2): 10:21

Instrument ID (1): ECD\_P

Instrument ID (2): ECD\_P

GC Column (1): ZB-MR1 ID: 0.32 (mm)

GC Column (2): ZB-MR2 ID: 0.32 (mm)

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 1 | DATE<br>ANALYZED 2 |
|-------------------|------------------|----------------|--------------------|--------------------|
| PB166124BS        | PB166124BS       | PP069220.D     | 01/20/2025         | 01/20/2025         |
| PB166124BSD       | PB166124BSD      | PP069221.D     | 01/20/2025         | 01/20/2025         |
| RW10A-20250116    | Q1122-01         | PP069222.D     | 01/20/2025         | 01/20/2025         |

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



# CALIBRATION SUMMARY

## RETENTION TIMES OF INITIAL CALIBRATION

**Contract:** TETR06  
**Lab Code:** CHEM **Case No.:** Q1122 **SAS No.:** Q1122 **SDG NO.:** Q1122  
**Instrument ID:** ECD\_P **Calibration Date(s):** 01/06/2025 01/07/2025  
**Calibration Times:** 19:57 03:16

**GC Column:** ZB-MR1 **ID:** 0.32 (mm)

**LAB FILE ID:** **RT 1000 =** PP068915.D **RT 750 =** PP068916.D  
**RT 500 =** PP068917.D **RT 250 =** PP068918.D **RT 050 =** PP068919.D

| COMPOUND             |     | RT 1000 | RT 750 | RT 500 | RT 250 | RT 050 | MEAN<br>RT | RT WINDOW |       |
|----------------------|-----|---------|--------|--------|--------|--------|------------|-----------|-------|
|                      |     |         |        |        |        |        |            | FROM      | TO    |
| Aroclor-1016-1       | (1) | 5.83    | 5.83   | 5.83   | 5.83   | 5.83   | 5.83       | 5.73      | 5.93  |
| Aroclor-1016-2       | (2) | 5.85    | 5.86   | 5.85   | 5.85   | 5.85   | 5.85       | 5.75      | 5.95  |
| Aroclor-1016-3       | (3) | 5.92    | 5.92   | 5.92   | 5.92   | 5.92   | 5.92       | 5.82      | 6.02  |
| Aroclor-1016-4       | (4) | 6.02    | 6.02   | 6.02   | 6.02   | 6.02   | 6.02       | 5.92      | 6.12  |
| Aroclor-1016-5       | (5) | 6.31    | 6.31   | 6.31   | 6.31   | 6.31   | 6.31       | 6.21      | 6.41  |
| Aroclor-1260-1       | (1) | 7.43    | 7.43   | 7.43   | 7.43   | 7.43   | 7.43       | 7.33      | 7.53  |
| Aroclor-1260-2       | (2) | 7.69    | 7.69   | 7.69   | 7.69   | 7.69   | 7.69       | 7.59      | 7.79  |
| Aroclor-1260-3       | (3) | 8.05    | 8.05   | 8.05   | 8.05   | 8.05   | 8.05       | 7.95      | 8.15  |
| Aroclor-1260-4       | (4) | 8.28    | 8.28   | 8.28   | 8.28   | 8.28   | 8.28       | 8.18      | 8.38  |
| Aroclor-1260-5       | (5) | 8.61    | 8.61   | 8.61   | 8.61   | 8.61   | 8.61       | 8.51      | 8.71  |
| Decachlorobiphenyl   |     | 10.52   | 10.53  | 10.52  | 10.52  | 10.53  | 10.52      | 10.42     | 10.62 |
| Tetrachloro-m-xylene |     | 4.67    | 4.67   | 4.67   | 4.67   | 4.67   | 4.67       | 4.57      | 4.77  |
| Aroclor-1242-1       | (1) | 5.83    | 5.83   | 5.83   | 5.84   | 5.84   | 5.83       | 5.73      | 5.93  |
| Aroclor-1242-2       | (2) | 5.86    | 5.86   | 5.86   | 5.86   | 5.86   | 5.86       | 5.76      | 5.96  |
| Aroclor-1242-3       | (3) | 5.92    | 5.92   | 5.92   | 5.92   | 5.92   | 5.92       | 5.82      | 6.02  |
| Aroclor-1242-4       | (4) | 6.02    | 6.02   | 6.02   | 6.02   | 6.02   | 6.02       | 5.92      | 6.12  |
| Aroclor-1242-5       | (5) | 6.75    | 6.75   | 6.75   | 6.75   | 6.75   | 6.75       | 6.65      | 6.85  |
| Decachlorobiphenyl   |     | 10.53   | 10.52  | 10.53  | 10.53  | 10.53  | 10.53      | 10.43     | 10.63 |
| Tetrachloro-m-xylene |     | 4.67    | 4.67   | 4.67   | 4.67   | 4.67   | 4.67       | 4.57      | 4.77  |
| Aroclor-1248-1       | (1) | 5.83    | 5.83   | 5.84   | 5.83   | 5.84   | 5.83       | 5.73      | 5.93  |
| Aroclor-1248-2       | (2) | 6.10    | 6.11   | 6.11   | 6.11   | 6.11   | 6.11       | 6.01      | 6.21  |
| Aroclor-1248-3       | (3) | 6.31    | 6.31   | 6.31   | 6.31   | 6.31   | 6.31       | 6.21      | 6.41  |
| Aroclor-1248-4       | (4) | 6.71    | 6.71   | 6.71   | 6.71   | 6.71   | 6.71       | 6.61      | 6.81  |
| Aroclor-1248-5       | (5) | 6.75    | 6.75   | 6.75   | 6.75   | 6.75   | 6.75       | 6.65      | 6.85  |
| Decachlorobiphenyl   |     | 10.52   | 10.52  | 10.53  | 10.52  | 10.53  | 10.52      | 10.42     | 10.62 |
| Tetrachloro-m-xylene |     | 4.67    | 4.67   | 4.67   | 4.67   | 4.68   | 4.67       | 4.57      | 4.77  |
| Aroclor-1254-1       | (1) | 6.69    | 6.69   | 6.69   | 6.69   | 6.69   | 6.69       | 6.59      | 6.79  |
| Aroclor-1254-2       | (2) | 6.91    | 6.90   | 6.91   | 6.90   | 6.91   | 6.91       | 6.81      | 7.01  |
| Aroclor-1254-3       | (3) | 7.27    | 7.27   | 7.27   | 7.27   | 7.27   | 7.27       | 7.17      | 7.37  |
| Aroclor-1254-4       | (4) | 7.55    | 7.55   | 7.55   | 7.55   | 7.55   | 7.55       | 7.45      | 7.65  |
| Aroclor-1254-5       | (5) | 7.97    | 7.97   | 7.97   | 7.97   | 7.97   | 7.97       | 7.87      | 8.07  |
| Decachlorobiphenyl   |     | 10.52   | 10.52  | 10.52  | 10.52  | 10.53  | 10.52      | 10.42     | 10.62 |
| Tetrachloro-m-xylene |     | 4.67    | 4.67   | 4.67   | 4.67   | 4.67   | 4.67       | 4.57      | 4.77  |
| Aroclor-1268-1       | (1) | 8.94    | 8.94   | 8.94   | 8.94   | 8.94   | 8.94       | 8.84      | 9.04  |
| Aroclor-1268-2       | (2) | 9.04    | 9.04   | 9.04   | 9.04   | 9.04   | 9.04       | 8.94      | 9.14  |
| Aroclor-1268-3       | (3) | 9.29    | 9.28   | 9.29   | 9.29   | 9.28   | 9.29       | 9.19      | 9.39  |
| Aroclor-1268-4       | (4) | 9.72    | 9.72   | 9.72   | 9.72   | 9.72   | 9.72       | 9.62      | 9.82  |
| Aroclor-1268-5       | (5) | 10.16   | 10.16  | 10.16  | 10.16  | 10.16  | 10.16      | 10.06     | 10.26 |

**RETENTION TIMES OF INITIAL CALIBRATION**

|                      |       |       |       |       |       |       |       |       |
|----------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Decachlorobiphenyl   | 10.53 | 10.52 | 10.53 | 10.53 | 10.53 | 10.53 | 10.43 | 10.63 |
| Tetrachloro-m-xylene | 4.67  | 4.67  | 4.68  | 4.67  | 4.67  | 4.67  | 4.57  | 4.77  |

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# RETENTION TIMES OF INITIAL CALIBRATION

**Contract:** TETR06  
**Lab Code:** CHEM **Case No.:** Q1122 **SAS No.:** Q1122 **SDG NO.:** Q1122  
**Instrument ID:** ECD\_P **Calibration Date(s):** 01/06/2025 01/07/2025  
**Calibration Times:** 19:57 03:16

**GC Column:** ZB-MR2 **ID:** 0.32 (mm)

**LAB FILE ID:** **RT 1000 =** PP068915.D **RT 750 =** PP068916.D  
**RT 500 =** PP068917.D **RT 250 =** PP068918.D **RT 050 =** PP068919.D

| COMPOUND             |     | RT 1000 | RT 750 | RT 500 | RT 250 | RT 050 | MEAN<br>RT | RT WINDOW |      |
|----------------------|-----|---------|--------|--------|--------|--------|------------|-----------|------|
|                      |     |         |        |        |        |        |            | FROM      | TO   |
| Aroclor-1016-1       | (1) | 5.09    | 5.09   | 5.09   | 5.09   | 5.09   | 5.09       | 4.99      | 5.19 |
| Aroclor-1016-2       | (2) | 5.11    | 5.10   | 5.10   | 5.10   | 5.11   | 5.10       | 5.00      | 5.20 |
| Aroclor-1016-3       | (3) | 5.29    | 5.28   | 5.28   | 5.28   | 5.28   | 5.28       | 5.18      | 5.38 |
| Aroclor-1016-4       | (4) | 5.32    | 5.32   | 5.32   | 5.32   | 5.32   | 5.32       | 5.22      | 5.42 |
| Aroclor-1016-5       | (5) | 5.54    | 5.54   | 5.54   | 5.54   | 5.54   | 5.54       | 5.44      | 5.64 |
| Aroclor-1260-1       | (1) | 6.58    | 6.58   | 6.58   | 6.58   | 6.59   | 6.58       | 6.48      | 6.68 |
| Aroclor-1260-2       | (2) | 6.77    | 6.77   | 6.77   | 6.77   | 6.77   | 6.77       | 6.67      | 6.87 |
| Aroclor-1260-3       | (3) | 6.93    | 6.93   | 6.93   | 6.93   | 6.93   | 6.93       | 6.83      | 7.03 |
| Aroclor-1260-4       | (4) | 7.40    | 7.40   | 7.40   | 7.40   | 7.40   | 7.40       | 7.30      | 7.50 |
| Aroclor-1260-5       | (5) | 7.64    | 7.64   | 7.64   | 7.64   | 7.64   | 7.64       | 7.54      | 7.74 |
| Decachlorobiphenyl   |     | 9.11    | 9.11   | 9.11   | 9.11   | 9.11   | 9.11       | 9.01      | 9.21 |
| Tetrachloro-m-xylene |     | 3.98    | 3.98   | 3.98   | 3.98   | 3.98   | 3.98       | 3.88      | 4.08 |
| Aroclor-1242-1       | (1) | 5.09    | 5.08   | 5.08   | 5.09   | 5.09   | 5.09       | 4.99      | 5.19 |
| Aroclor-1242-2       | (2) | 5.11    | 5.10   | 5.10   | 5.10   | 5.10   | 5.10       | 5.00      | 5.20 |
| Aroclor-1242-3       | (3) | 5.29    | 5.28   | 5.28   | 5.28   | 5.28   | 5.28       | 5.18      | 5.38 |
| Aroclor-1242-4       | (4) | 5.37    | 5.37   | 5.37   | 5.37   | 5.37   | 5.37       | 5.27      | 5.47 |
| Aroclor-1242-5       | (5) | 5.90    | 5.90   | 5.90   | 5.90   | 5.90   | 5.90       | 5.80      | 6.00 |
| Decachlorobiphenyl   |     | 9.11    | 9.11   | 9.11   | 9.11   | 9.11   | 9.11       | 9.01      | 9.21 |
| Tetrachloro-m-xylene |     | 3.98    | 3.98   | 3.98   | 3.98   | 3.98   | 3.98       | 3.88      | 4.08 |
| Aroclor-1248-1       | (1) | 5.09    | 5.08   | 5.09   | 5.09   | 5.09   | 5.09       | 4.99      | 5.19 |
| Aroclor-1248-2       | (2) | 5.33    | 5.32   | 5.32   | 5.33   | 5.32   | 5.32       | 5.22      | 5.42 |
| Aroclor-1248-3       | (3) | 5.37    | 5.37   | 5.37   | 5.37   | 5.37   | 5.37       | 5.27      | 5.47 |
| Aroclor-1248-4       | (4) | 5.54    | 5.54   | 5.54   | 5.54   | 5.54   | 5.54       | 5.44      | 5.64 |
| Aroclor-1248-5       | (5) | 5.94    | 5.94   | 5.94   | 5.94   | 5.94   | 5.94       | 5.84      | 6.04 |
| Decachlorobiphenyl   |     | 9.11    | 9.11   | 9.11   | 9.11   | 9.11   | 9.11       | 9.01      | 9.21 |
| Tetrachloro-m-xylene |     | 3.98    | 3.98   | 3.98   | 3.98   | 3.98   | 3.98       | 3.88      | 4.08 |
| Aroclor-1254-1       | (1) | 5.90    | 5.90   | 5.90   | 5.90   | 5.90   | 5.90       | 5.80      | 6.00 |
| Aroclor-1254-2       | (2) | 6.05    | 6.05   | 6.05   | 6.05   | 6.05   | 6.05       | 5.95      | 6.15 |
| Aroclor-1254-3       | (3) | 6.45    | 6.45   | 6.45   | 6.45   | 6.45   | 6.45       | 6.35      | 6.55 |
| Aroclor-1254-4       | (4) | 6.68    | 6.68   | 6.68   | 6.68   | 6.68   | 6.68       | 6.58      | 6.78 |
| Aroclor-1254-5       | (5) | 7.10    | 7.10   | 7.10   | 7.10   | 7.10   | 7.10       | 7.00      | 7.20 |
| Decachlorobiphenyl   |     | 9.11    | 9.11   | 9.11   | 9.11   | 9.11   | 9.11       | 9.01      | 9.21 |
| Tetrachloro-m-xylene |     | 3.98    | 3.98   | 3.98   | 3.98   | 3.98   | 3.98       | 3.88      | 4.08 |
| Aroclor-1268-1       | (1) | 7.93    | 7.93   | 7.93   | 7.93   | 7.93   | 7.93       | 7.83      | 8.03 |
| Aroclor-1268-2       | (2) | 7.99    | 7.99   | 7.99   | 7.99   | 7.99   | 7.99       | 7.89      | 8.09 |
| Aroclor-1268-3       | (3) | 8.21    | 8.21   | 8.21   | 8.21   | 8.21   | 8.21       | 8.11      | 8.31 |
| Aroclor-1268-4       | (4) | 8.51    | 8.51   | 8.51   | 8.51   | 8.51   | 8.51       | 8.41      | 8.61 |
| Aroclor-1268-5       | (5) | 8.83    | 8.83   | 8.83   | 8.83   | 8.83   | 8.83       | 8.73      | 8.93 |

**RETENTION TIMES OF INITIAL CALIBRATION**

|                      |      |      |      |      |      |      |      |      |
|----------------------|------|------|------|------|------|------|------|------|
| Decachlorobiphenyl   | 9.11 | 9.11 | 9.11 | 9.11 | 9.11 | 9.11 | 9.01 | 9.21 |
| Tetrachloro-m-xylene | 3.98 | 3.99 | 3.98 | 3.99 | 3.99 | 3.99 | 3.89 | 4.09 |

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## CALIBRATION FACTOR OF INITIAL CALIBRATION

**Contract:** TETR06  
**Lab Code:** CHEM **Case No.:** Q1122 **SAS No.:** Q1122 **SDG NO.:** Q1122  
**Instrument ID:** ECD\_P  
**Calibration Date(s):** 01/06/2025 01/07/2025  
**Calibration Times:** 19:57 03:16  
**GC Column:** ZB-MR1 **ID:** 0.32 (mm)

| LAB FILE ID:               |     | CF 1000 = <u>PP068915.D</u> |            | CF 750 = <u>PP068916.D</u> |            |            |            |
|----------------------------|-----|-----------------------------|------------|----------------------------|------------|------------|------------|
| CF 500 = <u>PP068917.D</u> |     | CF 250 = <u>PP068918.D</u>  |            | CF 050 = <u>PP068919.D</u> |            |            |            |
| COMPOUND                   |     | CF 1000                     | CF 750     | CF 500                     | CF 250     | CF 050     | % RSD      |
| Aroclor-1016-1             | (1) | 40885041                    | 42512889   | 44289716                   | 47071260   | 49420440   | 44835869   |
| Aroclor-1016-2             | (2) | 62798143                    | 66870065   | 71355832                   | 74463520   | 60581160   | 67213744   |
| Aroclor-1016-3             | (3) | 38906215                    | 41190977   | 43337062                   | 44705104   | 42803280   | 42188528   |
| Aroclor-1016-4             | (4) | 32017271                    | 33989945   | 35396090                   | 37112512   | 36407480   | 34984660   |
| Aroclor-1016-5             | (5) | 31333269                    | 33431283   | 34724498                   | 36878872   | 36588000   | 34591184   |
| Aroclor-1260-1             | (1) | 55297007                    | 58192836   | 62922684                   | 69154760   | 68099580   | 62733373   |
| Aroclor-1260-2             | (2) | 67660862                    | 71484929   | 76227518                   | 82167320   | 81110380   | 75730202   |
| Aroclor-1260-3             | (3) | 58632775                    | 61433135   | 65701952                   | 71094008   | 71146000   | 65601574   |
| Aroclor-1260-4             | (4) | 59030440                    | 62369265   | 66379830                   | 72014688   | 71257740   | 66210393   |
| Aroclor-1260-5             | (5) | 114116479                   | 119881285  | 126090058                  | 134301316  | 131412820  | 125160392  |
| Decachlorobiphenyl         |     | 1023741880                  | 1056425320 | 1121292880                 | 1210658840 | 1170227200 | 1116469224 |
| Tetrachloro-m-xylene       |     | 1326275610                  | 1382087027 | 1468306860                 | 1479335360 | 1300426400 | 1391286251 |
| Aroclor-1242-1             | (1) | 34530888                    | 35835835   | 38265986                   | 39688008   | 36986960   | 37061535   |
| Aroclor-1242-2             | (2) | 53812431                    | 57030873   | 58285280                   | 60713132   | 56990340   | 57366411   |
| Aroclor-1242-3             | (3) | 33081940                    | 34635303   | 35614556                   | 36593920   | 32098720   | 34404888   |
| Aroclor-1242-4             | (4) | 27124048                    | 28554160   | 29011970                   | 30535176   | 28553820   | 28755835   |
| Aroclor-1242-5             | (5) | 28568682                    | 30265879   | 31460328                   | 34073560   | 32548420   | 31383374   |
| Decachlorobiphenyl         |     | 1057852260                  | 1096409133 | 1155210300                 | 1246587680 | 1198216600 | 1150855195 |
| Tetrachloro-m-xylene       |     | 1394590290                  | 1447491667 | 1467964440                 | 1549944240 | 1381835600 | 1448365247 |
| Aroclor-1248-1             | (1) | 26695957                    | 28363937   | 29113116                   | 30696272   | 32268960   | 29427648   |
| Aroclor-1248-2             | (2) | 39758611                    | 41635612   | 43966204                   | 45812740   | 44431240   | 43120881   |
| Aroclor-1248-3             | (3) | 43369699                    | 45590668   | 48109160                   | 50175608   | 48642380   | 47177503   |
| Aroclor-1248-4             | (4) | 48885695                    | 51390620   | 54733604                   | 57272840   | 56221120   | 53700776   |
| Aroclor-1248-5             | (5) | 48278095                    | 50482795   | 53357482                   | 55918364   | 52049580   | 52017263   |
| Decachlorobiphenyl         |     | 1066892850                  | 1123847293 | 1166223560                 | 1225696720 | 1209265600 | 1158385205 |
| Tetrachloro-m-xylene       |     | 1361089130                  | 1427544907 | 1477014820                 | 1525467280 | 1364872200 | 1431197667 |
| Aroclor-1254-1             | (1) | 49172649                    | 49533699   | 53610608                   | 58077532   | 55866960   | 53252290   |
| Aroclor-1254-2             | (2) | 74069643                    | 77837235   | 82015762                   | 86380616   | 86228260   | 81306303   |
| Aroclor-1254-3             | (3) | 74567235                    | 77904277   | 81251544                   | 85540744   | 83625320   | 80577824   |
| Aroclor-1254-4             | (4) | 56677692                    | 58857921   | 61471660                   | 64793644   | 62695060   | 60899195   |
| Aroclor-1254-5             | (5) | 58716523                    | 62776568   | 66462096                   | 67494376   | 64118280   | 63913569   |
| Decachlorobiphenyl         |     | 1066838960                  | 1102446147 | 1164362860                 | 1216202280 | 1160296800 | 1142029409 |
| Tetrachloro-m-xylene       |     | 1365775780                  | 1425990440 | 1463637820                 | 1512114920 | 1328566000 | 1419216992 |
| Aroclor-1268-1             | (1) | 171965956                   | 177687748  | 186682010                  | 194675404  | 192886820  | 184779588  |

**CALIBRATION FACTOR OF INITIAL CALIBRATION**

|                      |     |            |            |            |            |            |            |   |
|----------------------|-----|------------|------------|------------|------------|------------|------------|---|
| Aroclor-1268-2       | (2) | 154222187  | 158538831  | 166288358  | 172425976  | 164689060  | 163232882  | 4 |
| Aroclor-1268-3       | (3) | 132497790  | 136244848  | 143110640  | 148784080  | 145166140  | 141160700  | 5 |
| Aroclor-1268-4       | (4) | 52619884   | 54911151   | 57926548   | 58342576   | 54828300   | 55725692   | 4 |
| Aroclor-1268-5       | (5) | 378200294  | 382944067  | 400675634  | 416373980  | 405222020  | 396683199  | 4 |
| Decachlorobiphenyl   |     | 1745780270 | 1802805640 | 1904368380 | 1971078840 | 1937468800 | 1872300386 | 5 |
| Tetrachloro-m-xylene |     | 1365175360 | 1389613933 | 1450454560 | 1456482120 | 1340302600 | 1400405715 | 4 |

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## CALIBRATION FACTOR OF INITIAL CALIBRATION

**Contract:** TETR06  
**Lab Code:** CHEM **Case No.:** Q1122 **SAS No.:** Q1122 **SDG NO.:** Q1122  
**Instrument ID:** ECD\_P  
**Calibration Date(s):** 01/06/2025 01/07/2025  
**Calibration Times:** 19:57 03:16  
**GC Column:** ZB-MR2 **ID:** 0.32 (mm)

| LAB FILE ID:               |     | CF 1000 = <u>PP068915.D</u> |            | CF 750 = <u>PP068916.D</u> |            |            |            |
|----------------------------|-----|-----------------------------|------------|----------------------------|------------|------------|------------|
| CF 500 = <u>PP068917.D</u> |     | CF 250 = <u>PP068918.D</u>  |            | CF 050 = <u>PP068919.D</u> |            |            |            |
| COMPOUND                   |     | CF 1000                     | CF 750     | CF 500                     | CF 250     | CF 050     | % RSD      |
| Aroclor-1016-1             | (1) | 29491720                    | 31871205   | 35002460                   | 37188936   | 35609200   | 33832704   |
| Aroclor-1016-2             | (2) | 43905696                    | 46895139   | 51079918                   | 59834124   | 49947760   | 50332527   |
| Aroclor-1016-3             | (3) | 24591042                    | 26218015   | 28467334                   | 29753780   | 26453500   | 27096734   |
| Aroclor-1016-4             | (4) | 21752440                    | 23319543   | 25647084                   | 27056044   | 25429040   | 24640830   |
| Aroclor-1016-5             | (5) | 26864500                    | 28975405   | 32107876                   | 32642752   | 30388580   | 30195823   |
| Aroclor-1260-1             | (1) | 50390605                    | 53012508   | 58700244                   | 62769480   | 61600300   | 57294627   |
| Aroclor-1260-2             | (2) | 58350095                    | 59819339   | 67189098                   | 72555824   | 71470420   | 65876955   |
| Aroclor-1260-3             | (3) | 56856247                    | 58933307   | 66166408                   | 70041080   | 69921440   | 64383696   |
| Aroclor-1260-4             | (4) | 50536167                    | 50055928   | 57211992                   | 62777372   | 59480660   | 56012424   |
| Aroclor-1260-5             | (5) | 113748686                   | 110133253  | 122878600                  | 134950020  | 132356860  | 122813484  |
| Decachlorobiphenyl         |     | 1055952250                  | 1078345120 | 1181870400                 | 1328006000 | 1362385800 | 1201311914 |
| Tetrachloro-m-xylene       |     | 921448750                   | 960676413  | 1002945440                 | 1051065280 | 944696000  | 976166377  |
| Aroclor-1242-1             | (1) | 25904769                    | 27693345   | 29421300                   | 31654716   | 32061380   | 29347102   |
| Aroclor-1242-2             | (2) | 38827344                    | 40647475   | 42253498                   | 45564736   | 43218900   | 42102391   |
| Aroclor-1242-3             | (3) | 21506578                    | 22670196   | 23486094                   | 24288540   | 24384700   | 23267222   |
| Aroclor-1242-4             | (4) | 22209738                    | 23492983   | 24690230                   | 25684072   | 25766040   | 24368613   |
| Aroclor-1242-5             | (5) | 26270830                    | 28162075   | 29282028                   | 30515800   | 30936940   | 29033535   |
| Decachlorobiphenyl         |     | 1065489030                  | 1201310467 | 1161897160                 | 1288078080 | 1369157600 | 1217186467 |
| Tetrachloro-m-xylene       |     | 958809120                   | 1008718787 | 1019527140                 | 1074481240 | 990259000  | 1010359057 |
| Aroclor-1248-1             | (1) | 20093138                    | 22105341   | 23598424                   | 24146056   | 25052820   | 22999156   |
| Aroclor-1248-2             | (2) | 29632170                    | 32533207   | 34508544                   | 36839176   | 37195000   | 34141619   |
| Aroclor-1248-3             | (3) | 31007140                    | 33988465   | 35908688                   | 37877684   | 37882320   | 35332859   |
| Aroclor-1248-4             | (4) | 36296413                    | 39507735   | 41759214                   | 44484412   | 43761000   | 41161755   |
| Aroclor-1248-5             | (5) | 34689161                    | 38121964   | 39504132                   | 41178700   | 39937060   | 38686203   |
| Decachlorobiphenyl         |     | 1094465140                  | 1151641293 | 1242326740                 | 1360729280 | 1293380600 | 1228508611 |
| Tetrachloro-m-xylene       |     | 941029690                   | 986176773  | 1020381960                 | 1054278600 | 985643400  | 997502085  |
| Aroclor-1254-1             | (1) | 54013826                    | 55348175   | 60179124                   | 66113132   | 65004480   | 60131747   |
| Aroclor-1254-2             | (2) | 47307501                    | 48908441   | 53313688                   | 59053240   | 58911200   | 53498814   |
| Aroclor-1254-3             | (3) | 74830722                    | 75469891   | 83014460                   | 89549424   | 88739340   | 82320767   |
| Aroclor-1254-4             | (4) | 41013798                    | 41461259   | 45272902                   | 49531452   | 47721160   | 45000114   |
| Aroclor-1254-5             | (5) | 68187162                    | 69945763   | 75883524                   | 79998908   | 79038140   | 74610699   |
| Decachlorobiphenyl         |     | 1087096440                  | 1107415987 | 1209539480                 | 1317992920 | 1429766000 | 1230362165 |
| Tetrachloro-m-xylene       |     | 1009511300                  | 1003719773 | 1056322440                 | 1076595560 | 991234800  | 1027476775 |
| Aroclor-1268-1             | (1) | 148439751                   | 158177365  | 166475976                  | 163027408  | 175252540  | 162274608  |

**CALIBRATION FACTOR OF INITIAL CALIBRATION**

|                      |     |            |            |            |            |            |            |   |
|----------------------|-----|------------|------------|------------|------------|------------|------------|---|
| Aroclor-1268-2       | (2) | 137898942  | 145673481  | 153326760  | 149568992  | 153368500  | 147967335  | 4 |
| Aroclor-1268-3       | (3) | 122316439  | 129783148  | 136690276  | 135543656  | 139957980  | 132858300  | 5 |
| Aroclor-1268-4       | (4) | 50957332   | 53350585   | 56471448   | 56057256   | 49474280   | 53262180   | 6 |
| Aroclor-1268-5       | (5) | 371642320  | 386230217  | 400122764  | 389095000  | 402465320  | 389911124  | 3 |
| Decachlorobiphenyl   |     | 1815118270 | 1907478640 | 2025499340 | 2052352080 | 2187263600 | 1997542386 | 7 |
| Tetrachloro-m-xylene |     | 980182400  | 966201333  | 1012184220 | 1043386960 | 1003939400 | 1001178863 | 3 |

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: TETR06

Lab Code: CHEM Case No.: Q1122 SAS No.: Q1122 SDG NO.: Q1122

Instrument ID: ECD\_P Date(s) Analyzed: 01/06/2025 01/07/2025

GC Column: ZB-MR1 ID: 0.32 (mm)

| COMPOUND     | AMOUNT<br>(ng) | PEAK | RT   | RT WINDOW |      | CALIBRATION<br>FACTOR |
|--------------|----------------|------|------|-----------|------|-----------------------|
|              |                |      |      | FROM      | TO   |                       |
| Aroclor-1221 | 500            | 1    | 4.87 | 4.77      | 4.97 | 17785200              |
|              |                | 2    | 4.96 | 4.86      | 5.06 | 12871900              |
|              |                | 3    | 5.04 | 4.94      | 5.14 | 38767800              |
|              |                | 4    | 0.00 |           |      | 0                     |
|              |                | 5    | 0.00 |           |      | 0                     |
| Aroclor-1232 | 500            | 1    | 5.04 | 4.94      | 5.14 | 29682400              |
|              |                | 2    | 5.57 | 5.47      | 5.67 | 16809200              |
|              |                | 3    | 5.86 | 5.76      | 5.96 | 31337200              |
|              |                | 4    | 6.02 | 5.92      | 6.12 | 15643200              |
|              |                | 5    | 6.11 | 6.01      | 6.21 | 12044900              |
| Aroclor-1262 | 500            | 1    | 8.28 | 8.18      | 8.38 | 79133000              |
|              |                | 2    | 8.62 | 8.52      | 8.72 | 144417000             |
|              |                | 3    | 8.95 | 8.85      | 9.05 | 102560000             |
|              |                | 4    | 9.04 | 8.94      | 9.14 | 83101200              |
|              |                | 5    | 9.72 | 9.62      | 9.82 | 50821400              |

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: TETR06

Lab Code: CHEM Case No.: Q1122 SAS No.: Q1122 SDG NO.: Q1122

Instrument ID: ECD\_P Date(s) Analyzed: 01/06/2025 01/07/2025

GC Column: ZB-MR2 ID: 0.32 (mm)

| COMPOUND     | AMOUNT<br>(ng) | PEAK | RT   | RT WINDOW |      | CALIBRATION<br>FACTOR |
|--------------|----------------|------|------|-----------|------|-----------------------|
|              |                |      |      | FROM      | TO   |                       |
| Aroclor-1221 | 500            | 1    | 4.20 | 4.10      | 4.30 | 13491500              |
|              |                | 2    | 4.29 | 4.19      | 4.39 | 10378200              |
|              |                | 3    | 4.36 | 4.26      | 4.46 | 31049200              |
|              |                | 4    | 0.00 |           |      | 0                     |
|              |                | 5    | 0.00 |           |      | 0                     |
| Aroclor-1232 | 500            | 1    | 4.36 | 4.26      | 4.46 | 24630800              |
|              |                | 2    | 5.10 | 5.00      | 5.20 | 23918600              |
|              |                | 3    | 5.28 | 5.18      | 5.38 | 12560200              |
|              |                | 4    | 5.37 | 5.27      | 5.47 | 11992000              |
|              |                | 5    | 5.54 | 5.44      | 5.64 | 12836200              |
| Aroclor-1262 | 500            | 1    | 7.14 | 7.04      | 7.24 | 79852400              |
|              |                | 2    | 7.40 | 7.30      | 7.50 | 69928200              |
|              |                | 3    | 7.93 | 7.83      | 8.03 | 57593000              |
|              |                | 4    | 7.99 | 7.89      | 8.09 | 100831000             |
|              |                | 5    | 8.51 | 8.41      | 8.61 | 48819800              |

# CALIBRATION VERIFICATION SUMMARY

Contract: TETR06

Lab Code: CHEM Case No.: Q1122 SAS No.: Q1122 SDG NO.: Q1122

Continuing Calib Date: 01/20/2025 Initial Calibration Date(s): 01/06/2025 01/07/2025

Continuing Calib Time: 09:00 Initial Calibration Time(s): 19:57 03:16

GC Column: ZB-MR1 ID: 0.32 (mm)

| COMPOUND             |     | CCAL<br>RT | AVG<br>RT | RT WINDOW |       | DIFF<br>RT |
|----------------------|-----|------------|-----------|-----------|-------|------------|
|                      |     |            |           | FROM      | TO    |            |
| Aroclor-1016-1       | (1) | 5.83       | 5.83      | 5.73      | 5.93  | 0.00       |
| Aroclor-1016-2       | (2) | 5.85       | 5.85      | 5.75      | 5.95  | 0.00       |
| Aroclor-1016-3       | (3) | 5.92       | 5.92      | 5.82      | 6.02  | 0.00       |
| Aroclor-1016-4       | (4) | 6.01       | 6.02      | 5.92      | 6.12  | 0.01       |
| Aroclor-1016-5       | (5) | 6.31       | 6.31      | 6.21      | 6.41  | 0.00       |
| Aroclor-1260-1       | (1) | 7.43       | 7.43      | 7.33      | 7.53  | 0.00       |
| Aroclor-1260-2       | (2) | 7.68       | 7.69      | 7.59      | 7.79  | 0.01       |
| Aroclor-1260-3       | (3) | 8.04       | 8.05      | 7.95      | 8.15  | 0.01       |
| Aroclor-1260-4       | (4) | 8.28       | 8.28      | 8.18      | 8.38  | 0.00       |
| Aroclor-1260-5       | (5) | 8.61       | 8.61      | 8.51      | 8.71  | 0.00       |
| Tetrachloro-m-xylene |     | 4.67       | 4.67      | 4.57      | 4.77  | 0.00       |
| Decachlorobiphenyl   |     | 10.52      | 10.52     | 10.42     | 10.62 | 0.00       |

# CALIBRATION VERIFICATION SUMMARY

Contract: TETR06

Lab Code: CHEM Case No.: Q1122 SAS No.: Q1122 SDG NO.: Q1122

Continuing Calib Date: 01/20/2025 Initial Calibration Date(s): 01/06/2025 01/07/2025

Continuing Calib Time: 09:00 Initial Calibration Time(s): 19:57 03:16

GC Column: ZB-MR2 ID: 0.32 (mm)

| COMPOUND             |     | CCAL<br>RT | AVG<br>RT | RT WINDOW |      | DIFF<br>RT |
|----------------------|-----|------------|-----------|-----------|------|------------|
|                      |     |            |           | FROM      | TO   |            |
| Aroclor-1016-1       | (1) | 5.08       | 5.09      | 4.99      | 5.19 | 0.01       |
| Aroclor-1016-2       | (2) | 5.10       | 5.10      | 5.00      | 5.20 | 0.00       |
| Aroclor-1016-3       | (3) | 5.28       | 5.28      | 5.18      | 5.38 | 0.00       |
| Aroclor-1016-4       | (4) | 5.32       | 5.32      | 5.22      | 5.42 | 0.00       |
| Aroclor-1016-5       | (5) | 5.54       | 5.54      | 5.44      | 5.64 | 0.00       |
| Aroclor-1260-1       | (1) | 6.58       | 6.58      | 6.48      | 6.68 | 0.00       |
| Aroclor-1260-2       | (2) | 6.77       | 6.77      | 6.67      | 6.87 | 0.01       |
| Aroclor-1260-3       | (3) | 6.92       | 6.93      | 6.83      | 7.03 | 0.01       |
| Aroclor-1260-4       | (4) | 7.40       | 7.40      | 7.30      | 7.50 | 0.01       |
| Aroclor-1260-5       | (5) | 7.64       | 7.64      | 7.54      | 7.74 | 0.00       |
| Tetrachloro-m-xylene |     | 3.98       | 3.98      | 3.88      | 4.08 | 0.00       |
| Decachlorobiphenyl   |     | 9.10       | 9.11      | 9.01      | 9.21 | 0.01       |

### CALIBRATION VERIFICATION SUMMARY

Contract: TETR06

Lab Code: CHEM Case No.: Q1122 SAS No.: Q1122 SDG NO.: Q1122

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 01/06/2025 01/06/2025

Client Sample No.: CCAL01 Date Analyzed: 01/20/2025

Lab Sample No.: AR1660CCC500 Data File : PP069214.D Time Analyzed: 09:00

| COMPOUND             | RT     | RT WINDOW<br>FROM TO |        | CALC<br>AMOUNT(ng) | NOM<br>AMOUNT(ng) | %D    |
|----------------------|--------|----------------------|--------|--------------------|-------------------|-------|
| Aroclor-1016-1       | 5.831  | 5.732                | 5.932  | 497.280            | 500.000           | -0.5  |
| Aroclor-1016-2       | 5.853  | 5.754                | 5.954  | 493.530            | 500.000           | -1.3  |
| Aroclor-1016-3       | 5.916  | 5.818                | 6.018  | 490.120            | 500.000           | -2.0  |
| Aroclor-1016-4       | 6.014  | 5.916                | 6.116  | 494.340            | 500.000           | -1.1  |
| Aroclor-1016-5       | 6.308  | 6.210                | 6.410  | 492.200            | 500.000           | -1.6  |
| Aroclor-1260-1       | 7.430  | 7.333                | 7.533  | 453.900            | 500.000           | -9.2  |
| Aroclor-1260-2       | 7.684  | 7.587                | 7.787  | 459.800            | 500.000           | -8.0  |
| Aroclor-1260-3       | 8.043  | 7.947                | 8.147  | 456.560            | 500.000           | -8.7  |
| Aroclor-1260-4       | 8.276  | 8.180                | 8.380  | 450.130            | 500.000           | -10.0 |
| Aroclor-1260-5       | 8.607  | 8.513                | 8.713  | 474.460            | 500.000           | -5.1  |
| Decachlorobiphenyl   | 10.515 | 10.424               | 10.624 | 45.130             | 50.000            | -9.7  |
| Tetrachloro-m-xylene | 4.671  | 4.572                | 4.772  | 51.090             | 50.000            | 2.2   |

### CALIBRATION VERIFICATION SUMMARY

Contract: TETR06

Lab Code: CHEM Case No.: Q1122 SAS No.: Q1122 SDG NO.: Q1122

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 01/06/2025 01/06/2025

Client Sample No.: CCAL01 Date Analyzed: 01/20/2025

Lab Sample No.: AR1660CCC500 Data File : PP069214.D Time Analyzed: 09:00

| COMPOUND             | RT    | RT WINDOW<br>FROM TO |       | CALC<br>AMOUNT(ng) | NOM<br>AMOUNT(ng) | %D    |
|----------------------|-------|----------------------|-------|--------------------|-------------------|-------|
| Aroclor-1016-1       | 5.081 | 4.985                | 5.185 | 499.750            | 500.000           | -0.1  |
| Aroclor-1016-2       | 5.100 | 5.004                | 5.204 | 486.420            | 500.000           | -2.7  |
| Aroclor-1016-3       | 5.280 | 5.184                | 5.384 | 503.910            | 500.000           | 0.8   |
| Aroclor-1016-4       | 5.320 | 5.224                | 5.424 | 483.450            | 500.000           | -3.3  |
| Aroclor-1016-5       | 5.537 | 5.442                | 5.642 | 484.280            | 500.000           | -3.1  |
| Aroclor-1260-1       | 6.578 | 6.484                | 6.684 | 447.610            | 500.000           | -10.5 |
| Aroclor-1260-2       | 6.765 | 6.672                | 6.872 | 461.170            | 500.000           | -7.8  |
| Aroclor-1260-3       | 6.922 | 6.828                | 7.028 | 440.440            | 500.000           | -11.9 |
| Aroclor-1260-4       | 7.395 | 7.302                | 7.502 | 434.350            | 500.000           | -13.1 |
| Aroclor-1260-5       | 7.635 | 7.541                | 7.741 | 451.490            | 500.000           | -9.7  |
| Decachlorobiphenyl   | 9.101 | 9.011                | 9.211 | 43.710             | 50.000            | -12.6 |
| Tetrachloro-m-xylene | 3.981 | 3.883                | 4.083 | 50.460             | 50.000            | 0.9   |

# CALIBRATION VERIFICATION SUMMARY

Contract: TETR06

Lab Code: CHEM Case No.: Q1122 SAS No.: Q1122 SDG NO.: Q1122

Continuing Calib Date: 01/20/2025 Initial Calibration Date(s): 01/06/2025 01/07/2025

Continuing Calib Time: 15:32 Initial Calibration Time(s): 19:57 03:16

GC Column: ZB-MR1 ID: 0.32 (mm)

| COMPOUND             |     | CCAL<br>RT | AVG<br>RT | RT WINDOW |       | DIFF<br>RT |
|----------------------|-----|------------|-----------|-----------|-------|------------|
|                      |     |            |           | FROM      | TO    |            |
| Aroclor-1016-1       | (1) | 5.83       | 5.83      | 5.73      | 5.93  | 0.01       |
| Aroclor-1016-2       | (2) | 5.85       | 5.85      | 5.75      | 5.95  | 0.00       |
| Aroclor-1016-3       | (3) | 5.91       | 5.92      | 5.82      | 6.02  | 0.01       |
| Aroclor-1016-4       | (4) | 6.01       | 6.02      | 5.92      | 6.12  | 0.01       |
| Aroclor-1016-5       | (5) | 6.30       | 6.31      | 6.21      | 6.41  | 0.01       |
| Aroclor-1260-1       | (1) | 7.43       | 7.43      | 7.33      | 7.53  | 0.00       |
| Aroclor-1260-2       | (2) | 7.68       | 7.69      | 7.59      | 7.79  | 0.01       |
| Aroclor-1260-3       | (3) | 8.04       | 8.05      | 7.95      | 8.15  | 0.01       |
| Aroclor-1260-4       | (4) | 8.27       | 8.28      | 8.18      | 8.38  | 0.01       |
| Aroclor-1260-5       | (5) | 8.60       | 8.61      | 8.51      | 8.71  | 0.01       |
| Tetrachloro-m-xylene |     | 4.67       | 4.67      | 4.57      | 4.77  | 0.00       |
| Decachlorobiphenyl   |     | 10.50      | 10.52     | 10.42     | 10.62 | 0.02       |

### CALIBRATION VERIFICATION SUMMARY

Contract: TETR06

Lab Code: CHEM Case No.: Q1122 SAS No.: Q1122 SDG NO.: Q1122

Continuing Calib Date: 01/20/2025 Initial Calibration Date(s): 01/06/2025 01/07/2025

Continuing Calib Time: 15:32 Initial Calibration Time(s): 19:57 03:16

GC Column: ZB-MR2 ID: 0.32 (mm)

| COMPOUND             |     | CCAL<br>RT | AVG<br>RT | RT WINDOW |      | DIFF<br>RT |
|----------------------|-----|------------|-----------|-----------|------|------------|
|                      |     |            |           | FROM      | TO   |            |
| Aroclor-1016-1       | (1) | 5.08       | 5.09      | 4.99      | 5.19 | 0.01       |
| Aroclor-1016-2       | (2) | 5.10       | 5.10      | 5.00      | 5.20 | 0.00       |
| Aroclor-1016-3       | (3) | 5.28       | 5.28      | 5.18      | 5.38 | 0.00       |
| Aroclor-1016-4       | (4) | 5.32       | 5.32      | 5.22      | 5.42 | 0.00       |
| Aroclor-1016-5       | (5) | 5.53       | 5.54      | 5.44      | 5.64 | 0.01       |
| Aroclor-1260-1       | (1) | 6.58       | 6.58      | 6.48      | 6.68 | 0.01       |
| Aroclor-1260-2       | (2) | 6.76       | 6.77      | 6.67      | 6.87 | 0.01       |
| Aroclor-1260-3       | (3) | 6.92       | 6.93      | 6.83      | 7.03 | 0.01       |
| Aroclor-1260-4       | (4) | 7.39       | 7.40      | 7.30      | 7.50 | 0.01       |
| Aroclor-1260-5       | (5) | 7.63       | 7.64      | 7.54      | 7.74 | 0.01       |
| Tetrachloro-m-xylene |     | 3.98       | 3.98      | 3.88      | 4.08 | 0.00       |
| Decachlorobiphenyl   |     | 9.10       | 9.11      | 9.01      | 9.21 | 0.01       |

### CALIBRATION VERIFICATION SUMMARY

Contract: TETR06

Lab Code: CHEM Case No.: Q1122 SAS No.: Q1122 SDG NO.: Q1122

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 01/06/2025 01/06/2025

Client Sample No.: CCAL02 Date Analyzed: 01/20/2025

Lab Sample No.: AR1660CCC500 Data File : PP069229.D Time Analyzed: 15:32

| COMPOUND             | RT     | RT WINDOW |        | CALC<br>AMOUNT(ng) | NOM<br>AMOUNT(ng) | %D    |
|----------------------|--------|-----------|--------|--------------------|-------------------|-------|
|                      |        | FROM      | TO     |                    |                   |       |
| Aroclor-1016-1       | 5.825  | 5.732     | 5.932  | 482.550            | 500.000           | -3.5  |
| Aroclor-1016-2       | 5.847  | 5.754     | 5.954  | 500.800            | 500.000           | 0.2   |
| Aroclor-1016-3       | 5.910  | 5.818     | 6.018  | 487.650            | 500.000           | -2.5  |
| Aroclor-1016-4       | 6.008  | 5.916     | 6.116  | 490.880            | 500.000           | -1.8  |
| Aroclor-1016-5       | 6.302  | 6.210     | 6.410  | 495.370            | 500.000           | -0.9  |
| Aroclor-1260-1       | 7.425  | 7.333     | 7.533  | 462.560            | 500.000           | -7.5  |
| Aroclor-1260-2       | 7.678  | 7.587     | 7.787  | 461.280            | 500.000           | -7.7  |
| Aroclor-1260-3       | 8.037  | 7.947     | 8.147  | 443.610            | 500.000           | -11.3 |
| Aroclor-1260-4       | 8.270  | 8.180     | 8.380  | 457.840            | 500.000           | -8.4  |
| Aroclor-1260-5       | 8.600  | 8.513     | 8.713  | 472.770            | 500.000           | -5.4  |
| Decachlorobiphenyl   | 10.503 | 10.424    | 10.624 | 45.750             | 50.000            | -8.5  |
| Tetrachloro-m-xylene | 4.666  | 4.572     | 4.772  | 50.640             | 50.000            | 1.3   |

### CALIBRATION VERIFICATION SUMMARY

Contract: TETR06

Lab Code: CHEM Case No.: Q1122 SAS No.: Q1122 SDG NO.: Q1122

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 01/06/2025 01/06/2025

Client Sample No.: CCAL02 Date Analyzed: 01/20/2025

Lab Sample No.: AR1660CCC500 Data File : PP069229.D Time Analyzed: 15:32

| COMPOUND             | RT    | RT WINDOW<br>FROM TO |       | CALC<br>AMOUNT(ng) | NOM<br>AMOUNT(ng) | %D    |
|----------------------|-------|----------------------|-------|--------------------|-------------------|-------|
| Aroclor-1016-1       | 5.077 | 4.985                | 5.185 | 484.470            | 500.000           | -3.1  |
| Aroclor-1016-2       | 5.097 | 5.004                | 5.204 | 465.170            | 500.000           | -7.0  |
| Aroclor-1016-3       | 5.276 | 5.184                | 5.384 | 497.370            | 500.000           | -0.5  |
| Aroclor-1016-4       | 5.316 | 5.224                | 5.424 | 473.090            | 500.000           | -5.4  |
| Aroclor-1016-5       | 5.534 | 5.442                | 5.642 | 450.430            | 500.000           | -9.9  |
| Aroclor-1260-1       | 6.575 | 6.484                | 6.684 | 420.560            | 500.000           | -15.9 |
| Aroclor-1260-2       | 6.762 | 6.672                | 6.872 | 434.700            | 500.000           | -13.1 |
| Aroclor-1260-3       | 6.918 | 6.828                | 7.028 | 404.100            | 500.000           | -19.2 |
| Aroclor-1260-4       | 7.391 | 7.302                | 7.502 | 393.810            | 500.000           | -21.2 |
| Aroclor-1260-5       | 7.631 | 7.541                | 7.741 | 404.540            | 500.000           | -19.1 |
| Decachlorobiphenyl   | 9.096 | 9.011                | 9.211 | 40.770             | 50.000            | -18.5 |
| Tetrachloro-m-xylene | 3.978 | 3.883                | 4.083 | 48.120             | 50.000            | -3.8  |

## Analytical Sequence

|                                        |                                                                     |
|----------------------------------------|---------------------------------------------------------------------|
| Client: Tetra Tech NUS, Inc.           | SDG No.: Q1122                                                      |
| Project: NWIRP Bethpage 112G08005-WE13 | Instrument ID: ECD_P                                                |
| GC Column: ZB-MR1                      | ID: 0.32 (mm)      Inst. Calib. Date(s): 01/06/2025      01/06/2025 |

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES,  
AND STANDARDS IS GIVEN BELOW:

| EPA<br>SAMPLE NO. | LAB<br>SAMPLE ID | DATE<br>ANALYZED | TIME<br>ANALYZED | DATAFILE   | DCB<br>RT # | TCX<br>RT # |
|-------------------|------------------|------------------|------------------|------------|-------------|-------------|
| IBLK              | IBLK             | 01/06/2025       | 19:41            | PP068914.D | 10.52       | 4.67        |
| AR1660ICC1000     | AR1660ICC1000    | 01/06/2025       | 19:57            | PP068915.D | 10.52       | 4.67        |
| AR1660ICC750      | AR1660ICC750     | 01/06/2025       | 20:13            | PP068916.D | 10.53       | 4.67        |
| AR1660ICC500      | AR1660ICC500     | 01/06/2025       | 20:30            | PP068917.D | 10.52       | 4.67        |
| AR1660ICC250      | AR1660ICC250     | 01/06/2025       | 20:46            | PP068918.D | 10.52       | 4.67        |
| AR1660ICC050      | AR1660ICC050     | 01/06/2025       | 21:02            | PP068919.D | 10.53       | 4.67        |
| AR1221ICC500      | AR1221ICC500     | 01/06/2025       | 21:19            | PP068920.D | 10.53       | 4.67        |
| AR1232ICC500      | AR1232ICC500     | 01/06/2025       | 21:35            | PP068921.D | 10.52       | 4.67        |
| AR1242ICC1000     | AR1242ICC1000    | 01/06/2025       | 21:51            | PP068922.D | 10.53       | 4.67        |
| AR1242ICC750      | AR1242ICC750     | 01/06/2025       | 22:07            | PP068923.D | 10.52       | 4.67        |
| AR1242ICC500      | AR1242ICC500     | 01/06/2025       | 22:24            | PP068924.D | 10.53       | 4.67        |
| AR1242ICC250      | AR1242ICC250     | 01/06/2025       | 22:40            | PP068925.D | 10.53       | 4.67        |
| AR1242ICC050      | AR1242ICC050     | 01/06/2025       | 22:56            | PP068926.D | 10.53       | 4.67        |
| AR1248ICC1000     | AR1248ICC1000    | 01/06/2025       | 23:12            | PP068927.D | 10.52       | 4.67        |
| AR1248ICC750      | AR1248ICC750     | 01/06/2025       | 23:29            | PP068928.D | 10.52       | 4.67        |
| AR1248ICC500      | AR1248ICC500     | 01/06/2025       | 23:45            | PP068929.D | 10.53       | 4.67        |
| AR1248ICC250      | AR1248ICC250     | 01/07/2025       | 00:01            | PP068930.D | 10.52       | 4.67        |
| AR1248ICC050      | AR1248ICC050     | 01/07/2025       | 00:17            | PP068931.D | 10.53       | 4.68        |
| AR1254ICC1000     | AR1254ICC1000    | 01/07/2025       | 00:34            | PP068932.D | 10.52       | 4.67        |
| AR1254ICC750      | AR1254ICC750     | 01/07/2025       | 00:50            | PP068933.D | 10.52       | 4.67        |
| AR1254ICC500      | AR1254ICC500     | 01/07/2025       | 01:06            | PP068934.D | 10.52       | 4.67        |
| AR1254ICC250      | AR1254ICC250     | 01/07/2025       | 01:22            | PP068935.D | 10.52       | 4.67        |
| AR1254ICC050      | AR1254ICC050     | 01/07/2025       | 01:39            | PP068936.D | 10.53       | 4.67        |
| AR1262ICC500      | AR1262ICC500     | 01/07/2025       | 01:55            | PP068937.D | 10.53       | 4.68        |
| AR1268ICC1000     | AR1268ICC1000    | 01/07/2025       | 02:11            | PP068938.D | 10.53       | 4.67        |
| AR1268ICC750      | AR1268ICC750     | 01/07/2025       | 02:27            | PP068939.D | 10.52       | 4.67        |
| AR1268ICC500      | AR1268ICC500     | 01/07/2025       | 02:44            | PP068940.D | 10.53       | 4.68        |
| AR1268ICC250      | AR1268ICC250     | 01/07/2025       | 03:00            | PP068941.D | 10.53       | 4.67        |
| AR1268ICC050      | AR1268ICC050     | 01/07/2025       | 03:16            | PP068942.D | 10.53       | 4.67        |
| AR1660CCC500      | AR1660CCC500     | 01/20/2025       | 09:00            | PP069214.D | 10.52       | 4.67        |
| IBLK              | IBLK             | 01/20/2025       | 10:05            | PP069218.D | 10.51       | 4.67        |
| PB166124BL        | PB166124BL       | 01/20/2025       | 10:21            | PP069219.D | 10.51       | 4.67        |
| PB166124BS        | PB166124BS       | 01/20/2025       | 10:37            | PP069220.D | 10.51       | 4.67        |
| PB166124BSD       | PB166124BSD      | 01/20/2025       | 10:54            | PP069221.D | 10.51       | 4.67        |
| RW10A-20250116    | Q1122-01         | 01/20/2025       | 11:10            | PP069222.D | 10.51       | 4.67        |
| AR1660CCC500      | AR1660CCC500     | 01/20/2025       | 15:32            | PP069229.D | 10.50       | 4.67        |
| IBLK              | IBLK             | 01/20/2025       | 16:37            | PP069233.D | 10.51       | 4.67        |

## Analytical Sequence

|                                        |                                                                     |
|----------------------------------------|---------------------------------------------------------------------|
| Client: Tetra Tech NUS, Inc.           | SDG No.: Q1122                                                      |
| Project: NWIRP Bethpage 112G08005-WE13 | Instrument ID: ECD_P                                                |
| GC Column: ZB-MR2                      | ID: 0.32 (mm)      Inst. Calib. Date(s): 01/06/2025      01/06/2025 |

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES,  
AND STANDARDS IS GIVEN BELOW:

| EPA<br>SAMPLE NO. | LAB<br>SAMPLE ID | DATE<br>ANALYZED | TIME<br>ANALYZED | DATAFILE   | DCB<br>RT # | TCX<br>RT # |
|-------------------|------------------|------------------|------------------|------------|-------------|-------------|
| IBLK              | IBLK             | 01/06/2025       | 19:41            | PP068914.D | 9.11        | 3.98        |
| AR1660ICC1000     | AR1660ICC1000    | 01/06/2025       | 19:57            | PP068915.D | 9.11        | 3.98        |
| AR1660ICC750      | AR1660ICC750     | 01/06/2025       | 20:13            | PP068916.D | 9.11        | 3.98        |
| AR1660ICC500      | AR1660ICC500     | 01/06/2025       | 20:30            | PP068917.D | 9.11        | 3.98        |
| AR1660ICC250      | AR1660ICC250     | 01/06/2025       | 20:46            | PP068918.D | 9.11        | 3.98        |
| AR1660ICC050      | AR1660ICC050     | 01/06/2025       | 21:02            | PP068919.D | 9.11        | 3.98        |
| AR1221ICC500      | AR1221ICC500     | 01/06/2025       | 21:19            | PP068920.D | 9.11        | 3.98        |
| AR1232ICC500      | AR1232ICC500     | 01/06/2025       | 21:35            | PP068921.D | 9.11        | 3.98        |
| AR1242ICC1000     | AR1242ICC1000    | 01/06/2025       | 21:51            | PP068922.D | 9.11        | 3.98        |
| AR1242ICC750      | AR1242ICC750     | 01/06/2025       | 22:07            | PP068923.D | 9.11        | 3.98        |
| AR1242ICC500      | AR1242ICC500     | 01/06/2025       | 22:24            | PP068924.D | 9.11        | 3.98        |
| AR1242ICC250      | AR1242ICC250     | 01/06/2025       | 22:40            | PP068925.D | 9.11        | 3.98        |
| AR1242ICC050      | AR1242ICC050     | 01/06/2025       | 22:56            | PP068926.D | 9.11        | 3.98        |
| AR1248ICC1000     | AR1248ICC1000    | 01/06/2025       | 23:12            | PP068927.D | 9.11        | 3.98        |
| AR1248ICC750      | AR1248ICC750     | 01/06/2025       | 23:29            | PP068928.D | 9.11        | 3.98        |
| AR1248ICC500      | AR1248ICC500     | 01/06/2025       | 23:45            | PP068929.D | 9.11        | 3.98        |
| AR1248ICC250      | AR1248ICC250     | 01/07/2025       | 00:01            | PP068930.D | 9.11        | 3.98        |
| AR1248ICC050      | AR1248ICC050     | 01/07/2025       | 00:17            | PP068931.D | 9.11        | 3.98        |
| AR1254ICC1000     | AR1254ICC1000    | 01/07/2025       | 00:34            | PP068932.D | 9.11        | 3.98        |
| AR1254ICC750      | AR1254ICC750     | 01/07/2025       | 00:50            | PP068933.D | 9.11        | 3.98        |
| AR1254ICC500      | AR1254ICC500     | 01/07/2025       | 01:06            | PP068934.D | 9.11        | 3.98        |
| AR1254ICC250      | AR1254ICC250     | 01/07/2025       | 01:22            | PP068935.D | 9.11        | 3.98        |
| AR1254ICC050      | AR1254ICC050     | 01/07/2025       | 01:39            | PP068936.D | 9.11        | 3.98        |
| AR1262ICC500      | AR1262ICC500     | 01/07/2025       | 01:55            | PP068937.D | 9.11        | 3.98        |
| AR1268ICC1000     | AR1268ICC1000    | 01/07/2025       | 02:11            | PP068938.D | 9.11        | 3.98        |
| AR1268ICC750      | AR1268ICC750     | 01/07/2025       | 02:27            | PP068939.D | 9.11        | 3.99        |
| AR1268ICC500      | AR1268ICC500     | 01/07/2025       | 02:44            | PP068940.D | 9.11        | 3.98        |
| AR1268ICC250      | AR1268ICC250     | 01/07/2025       | 03:00            | PP068941.D | 9.11        | 3.99        |
| AR1268ICC050      | AR1268ICC050     | 01/07/2025       | 03:16            | PP068942.D | 9.11        | 3.99        |
| AR1660CCC500      | AR1660CCC500     | 01/20/2025       | 09:00            | PP069214.D | 9.10        | 3.98        |
| IBLK              | IBLK             | 01/20/2025       | 10:05            | PP069218.D | 9.10        | 3.98        |
| PB166124BL        | PB166124BL       | 01/20/2025       | 10:21            | PP069219.D | 9.10        | 3.98        |
| PB166124BS        | PB166124BS       | 01/20/2025       | 10:37            | PP069220.D | 9.10        | 3.98        |
| PB166124BSD       | PB166124BSD      | 01/20/2025       | 10:54            | PP069221.D | 9.10        | 3.98        |
| RW10A-20250116    | Q1122-01         | 01/20/2025       | 11:10            | PP069222.D | 9.10        | 3.98        |
| AR1660CCC500      | AR1660CCC500     | 01/20/2025       | 15:32            | PP069229.D | 9.10        | 3.98        |
| IBLK              | IBLK             | 01/20/2025       | 16:37            | PP069233.D | 9.10        | 3.98        |



# QC SAMPLE DATA

## Report of Analysis

|                    |                               |           |                    |       |           |
|--------------------|-------------------------------|-----------|--------------------|-------|-----------|
| Client:            | Tetra Tech NUS, Inc.          |           | Date Collected:    |       |           |
| Project:           | NWIRP Bethpage 112G08005-WE13 |           | Date Received:     |       |           |
| Client Sample ID:  | PB166124BL                    |           | SDG No.:           | Q1122 |           |
| Lab Sample ID:     | PB166124BL                    |           | Matrix:            | WATER |           |
| Analytical Method: | SW8082A                       |           | % Solid:           | 0     | Decanted: |
| Sample Wt/Vol:     | 1000                          | Units: mL | Final Vol:         | 10000 | uL        |
| Soil Aliquot Vol:  |                               | uL        | Test:              | PCB   |           |
| Extraction Type:   |                               |           | Injection Volume : |       |           |
| GPC Factor :       | 1.0                           | PH :      |                    |       |           |
| Prep Method :      | 3510C                         |           |                    |       |           |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| PP069219.D        | 1         | 01/17/25 11:30 | 01/20/25 10:21 | PB166124      |

| CAS Number        | Parameter            | Conc. | Qualifier | MDL      | LOD  | LOQ / CRQL | Units   |
|-------------------|----------------------|-------|-----------|----------|------|------------|---------|
| <b>TARGETS</b>    |                      |       |           |          |      |            |         |
| 12674-11-2        | Aroclor-1016         | 0.40  | U         | 0.15     | 0.40 | 0.50       | ug/L    |
| 11104-28-2        | Aroclor-1221         | 0.40  | U         | 0.23     | 0.40 | 0.50       | ug/L    |
| 11141-16-5        | Aroclor-1232         | 0.40  | U         | 0.37     | 0.40 | 0.50       | ug/L    |
| 53469-21-9        | Aroclor-1242         | 0.40  | U         | 0.16     | 0.40 | 0.50       | ug/L    |
| 12672-29-6        | Aroclor-1248         | 0.40  | U         | 0.12     | 0.40 | 0.50       | ug/L    |
| 11097-69-1        | Aroclor-1254         | 0.40  | U         | 0.11     | 0.40 | 0.50       | ug/L    |
| 37324-23-5        | Aroclor-1262         | 0.40  | U         | 0.14     | 0.40 | 0.50       | ug/L    |
| 11100-14-4        | Aroclor-1268         | 0.40  | U         | 0.12     | 0.40 | 0.50       | ug/L    |
| 11096-82-5        | Aroclor-1260         | 0.40  | U         | 0.15     | 0.40 | 0.50       | ug/L    |
| <b>SURROGATES</b> |                      |       |           |          |      |            |         |
| 877-09-8          | Tetrachloro-m-xylene | 21.4  |           | 35 - 137 |      | 107%       | SPK: 20 |
| 2051-24-3         | Decachlorobiphenyl   | 21.5  |           | 40 - 135 |      | 107%       | SPK: 20 |

### Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates &gt;25% difference for detected concentrations between the two GC columns

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

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

## Report of Analysis

|                    |                               |           |                    |          |           |
|--------------------|-------------------------------|-----------|--------------------|----------|-----------|
| Client:            | Tetra Tech NUS, Inc.          |           | Date Collected:    | 01/06/25 |           |
| Project:           | NWIRP Bethpage 112G08005-WE13 |           | Date Received:     | 01/06/25 |           |
| Client Sample ID:  | PIBLK-PP068914.D              |           | SDG No.:           | Q1122    |           |
| Lab Sample ID:     | I.BLK-PP068914.D              |           | Matrix:            | WATER    |           |
| Analytical Method: | SW8082A                       |           | % Solid:           | 0        | Decanted: |
| Sample Wt/Vol:     | 1000                          | Units: mL | Final Vol:         | 10000    | uL        |
| Soil Aliquot Vol:  |                               | uL        | Test:              | PCB      |           |
| Extraction Type:   |                               |           | Injection Volume : |          |           |
| GPC Factor :       | 1.0                           | PH :      |                    |          |           |
| Prep Method :      | 5030                          |           |                    |          |           |

|                   |           |           |               |               |
|-------------------|-----------|-----------|---------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
| PP068914.D        | 1         |           | 01/06/25      | PP010625      |

| CAS Number        | Parameter            | Conc. | Qualifier | MDL      | LOD  | LOQ / CRQL | Units   |
|-------------------|----------------------|-------|-----------|----------|------|------------|---------|
| <b>TARGETS</b>    |                      |       |           |          |      |            |         |
| 12674-11-2        | Aroclor-1016         | 0.40  | U         | 0.15     | 0.40 | 0.50       | ug/L    |
| 11104-28-2        | Aroclor-1221         | 0.40  | U         | 0.23     | 0.40 | 0.50       | ug/L    |
| 11141-16-5        | Aroclor-1232         | 0.40  | U         | 0.37     | 0.40 | 0.50       | ug/L    |
| 53469-21-9        | Aroclor-1242         | 0.40  | U         | 0.16     | 0.40 | 0.50       | ug/L    |
| 12672-29-6        | Aroclor-1248         | 0.40  | U         | 0.12     | 0.40 | 0.50       | ug/L    |
| 11097-69-1        | Aroclor-1254         | 0.40  | U         | 0.11     | 0.40 | 0.50       | ug/L    |
| 11096-82-5        | Aroclor-1260         | 0.40  | U         | 0.15     | 0.40 | 0.50       | ug/L    |
| 37324-23-5        | Aroclor-1262         | 0.40  | U         | 0.14     | 0.40 | 0.50       | ug/L    |
| 11100-14-4        | Aroclor-1268         | 0.40  | U         | 0.12     | 0.40 | 0.50       | ug/L    |
| <b>SURROGATES</b> |                      |       |           |          |      |            |         |
| 877-09-8          | Tetrachloro-m-xylene | 21.4  |           | 60 - 140 |      | 107%       | SPK: 20 |
| 2051-24-3         | Decachlorobiphenyl   | 22.9  |           | 60 - 140 |      | 115%       | SPK: 20 |

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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

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() = Laboratory InHouse Limit

## Report of Analysis

|                    |                               |           |                    |          |           |
|--------------------|-------------------------------|-----------|--------------------|----------|-----------|
| Client:            | Tetra Tech NUS, Inc.          |           | Date Collected:    | 01/20/25 |           |
| Project:           | NWIRP Bethpage 112G08005-WE13 |           | Date Received:     | 01/20/25 |           |
| Client Sample ID:  | PIBLK-PP069218.D              |           | SDG No.:           | Q1122    |           |
| Lab Sample ID:     | I.BLK-PP069218.D              |           | Matrix:            | WATER    |           |
| Analytical Method: | SW8082A                       |           | % Solid:           | 0        | Decanted: |
| Sample Wt/Vol:     | 1000                          | Units: mL | Final Vol:         | 10000    | uL        |
| Soil Aliquot Vol:  |                               | uL        | Test:              | PCB      |           |
| Extraction Type:   |                               |           | Injection Volume : |          |           |
| GPC Factor :       | 1.0                           | PH :      |                    |          |           |
| Prep Method :      | 5030                          |           |                    |          |           |

|                   |           |           |               |               |
|-------------------|-----------|-----------|---------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
| PP069218.D        | 1         |           | 01/20/25      | PP012025      |

| CAS Number        | Parameter            | Conc. | Qualifier | MDL      | LOD  | LOQ / CRQL | Units   |
|-------------------|----------------------|-------|-----------|----------|------|------------|---------|
| <b>TARGETS</b>    |                      |       |           |          |      |            |         |
| 12674-11-2        | Aroclor-1016         | 0.40  | U         | 0.15     | 0.40 | 0.50       | ug/L    |
| 11104-28-2        | Aroclor-1221         | 0.40  | U         | 0.23     | 0.40 | 0.50       | ug/L    |
| 11141-16-5        | Aroclor-1232         | 0.40  | U         | 0.37     | 0.40 | 0.50       | ug/L    |
| 53469-21-9        | Aroclor-1242         | 0.40  | U         | 0.16     | 0.40 | 0.50       | ug/L    |
| 12672-29-6        | Aroclor-1248         | 0.40  | U         | 0.12     | 0.40 | 0.50       | ug/L    |
| 11097-69-1        | Aroclor-1254         | 0.40  | U         | 0.11     | 0.40 | 0.50       | ug/L    |
| 11096-82-5        | Aroclor-1260         | 0.40  | U         | 0.15     | 0.40 | 0.50       | ug/L    |
| 37324-23-5        | Aroclor-1262         | 0.40  | U         | 0.14     | 0.40 | 0.50       | ug/L    |
| 11100-14-4        | Aroclor-1268         | 0.40  | U         | 0.12     | 0.40 | 0.50       | ug/L    |
| <b>SURROGATES</b> |                      |       |           |          |      |            |         |
| 877-09-8          | Tetrachloro-m-xylene | 17.0  |           | 60 - 140 |      | 85%        | SPK: 20 |
| 2051-24-3         | Decachlorobiphenyl   | 18.0  |           | 60 - 140 |      | 90%        | SPK: 20 |

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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

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

## Report of Analysis

|                    |                               |           |                    |          |           |
|--------------------|-------------------------------|-----------|--------------------|----------|-----------|
| Client:            | Tetra Tech NUS, Inc.          |           | Date Collected:    | 01/20/25 |           |
| Project:           | NWIRP Bethpage 112G08005-WE13 |           | Date Received:     | 01/20/25 |           |
| Client Sample ID:  | PIBLK-PP069233.D              |           | SDG No.:           | Q1122    |           |
| Lab Sample ID:     | I.BLK-PP069233.D              |           | Matrix:            | WATER    |           |
| Analytical Method: | SW8082A                       |           | % Solid:           | 0        | Decanted: |
| Sample Wt/Vol:     | 1000                          | Units: mL | Final Vol:         | 10000    | uL        |
| Soil Aliquot Vol:  |                               | uL        | Test:              | PCB      |           |
| Extraction Type:   |                               |           | Injection Volume : |          |           |
| GPC Factor :       | 1.0                           | PH :      |                    |          |           |
| Prep Method :      | 5030                          |           |                    |          |           |

|                   |           |           |               |               |
|-------------------|-----------|-----------|---------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
| PP069233.D        | 1         |           | 01/20/25      | PP012025      |

| CAS Number        | Parameter            | Conc. | Qualifier | MDL      | LOD  | LOQ / CRQL | Units   |
|-------------------|----------------------|-------|-----------|----------|------|------------|---------|
| <b>TARGETS</b>    |                      |       |           |          |      |            |         |
| 12674-11-2        | Aroclor-1016         | 0.40  | U         | 0.15     | 0.40 | 0.50       | ug/L    |
| 11104-28-2        | Aroclor-1221         | 0.40  | U         | 0.23     | 0.40 | 0.50       | ug/L    |
| 11141-16-5        | Aroclor-1232         | 0.40  | U         | 0.37     | 0.40 | 0.50       | ug/L    |
| 53469-21-9        | Aroclor-1242         | 0.40  | U         | 0.16     | 0.40 | 0.50       | ug/L    |
| 12672-29-6        | Aroclor-1248         | 0.40  | U         | 0.12     | 0.40 | 0.50       | ug/L    |
| 11097-69-1        | Aroclor-1254         | 0.40  | U         | 0.11     | 0.40 | 0.50       | ug/L    |
| 11096-82-5        | Aroclor-1260         | 0.40  | U         | 0.15     | 0.40 | 0.50       | ug/L    |
| 37324-23-5        | Aroclor-1262         | 0.40  | U         | 0.14     | 0.40 | 0.50       | ug/L    |
| 11100-14-4        | Aroclor-1268         | 0.40  | U         | 0.12     | 0.40 | 0.50       | ug/L    |
| <b>SURROGATES</b> |                      |       |           |          |      |            |         |
| 877-09-8          | Tetrachloro-m-xylene | 17.9  |           | 60 - 140 |      | 89%        | SPK: 20 |
| 2051-24-3         | Decachlorobiphenyl   | 17.7  |           | 60 - 140 |      | 88%        | SPK: 20 |

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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

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

## Report of Analysis

|                    |                               |           |                    |       |           |
|--------------------|-------------------------------|-----------|--------------------|-------|-----------|
| Client:            | Tetra Tech NUS, Inc.          |           | Date Collected:    |       |           |
| Project:           | NWIRP Bethpage 112G08005-WE13 |           | Date Received:     |       |           |
| Client Sample ID:  | PB166124BS                    |           | SDG No.:           | Q1122 |           |
| Lab Sample ID:     | PB166124BS                    |           | Matrix:            | WATER |           |
| Analytical Method: | SW8082A                       |           | % Solid:           | 0     | Decanted: |
| Sample Wt/Vol:     | 1000                          | Units: mL | Final Vol:         | 10000 | uL        |
| Soil Aliquot Vol:  |                               | uL        | Test:              | PCB   |           |
| Extraction Type:   |                               |           | Injection Volume : |       |           |
| GPC Factor :       | 1.0                           | PH :      |                    |       |           |
| Prep Method :      | 3510C                         |           |                    |       |           |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| PP069220.D        | 1         | 01/17/25 11:30 | 01/20/25 10:37 | PB166124      |

| CAS Number        | Parameter            | Conc. | Qualifier | MDL      | LOD  | LOQ / CRQL | Units   |
|-------------------|----------------------|-------|-----------|----------|------|------------|---------|
| <b>TARGETS</b>    |                      |       |           |          |      |            |         |
| 12674-11-2        | Aroclor-1016         | 4.50  |           | 0.15     | 0.40 | 0.50       | ug/L    |
| 11104-28-2        | Aroclor-1221         | 0.40  | U         | 0.23     | 0.40 | 0.50       | ug/L    |
| 11141-16-5        | Aroclor-1232         | 0.40  | U         | 0.37     | 0.40 | 0.50       | ug/L    |
| 53469-21-9        | Aroclor-1242         | 0.40  | U         | 0.16     | 0.40 | 0.50       | ug/L    |
| 12672-29-6        | Aroclor-1248         | 0.40  | U         | 0.12     | 0.40 | 0.50       | ug/L    |
| 11097-69-1        | Aroclor-1254         | 0.40  | U         | 0.11     | 0.40 | 0.50       | ug/L    |
| 37324-23-5        | Aroclor-1262         | 0.40  | U         | 0.14     | 0.40 | 0.50       | ug/L    |
| 11100-14-4        | Aroclor-1268         | 0.40  | U         | 0.12     | 0.40 | 0.50       | ug/L    |
| 11096-82-5        | Aroclor-1260         | 4.10  |           | 0.15     | 0.40 | 0.50       | ug/L    |
| <b>SURROGATES</b> |                      |       |           |          |      |            |         |
| 877-09-8          | Tetrachloro-m-xylene | 21.9  |           | 35 - 137 |      | 110%       | SPK: 20 |
| 2051-24-3         | Decachlorobiphenyl   | 21.1  |           | 40 - 135 |      | 106%       | SPK: 20 |

### Comments:

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LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates &gt;25% difference for detected concentrations between the two GC columns

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

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

## Report of Analysis

|                    |                               |           |                    |       |           |
|--------------------|-------------------------------|-----------|--------------------|-------|-----------|
| Client:            | Tetra Tech NUS, Inc.          |           | Date Collected:    |       |           |
| Project:           | NWIRP Bethpage 112G08005-WE13 |           | Date Received:     |       |           |
| Client Sample ID:  | PB166124BSD                   |           | SDG No.:           | Q1122 |           |
| Lab Sample ID:     | PB166124BSD                   |           | Matrix:            | WATER |           |
| Analytical Method: | SW8082A                       |           | % Solid:           | 0     | Decanted: |
| Sample Wt/Vol:     | 1000                          | Units: mL | Final Vol:         | 10000 | uL        |
| Soil Aliquot Vol:  |                               | uL        | Test:              | PCB   |           |
| Extraction Type:   |                               |           | Injection Volume : |       |           |
| GPC Factor :       | 1.0                           | PH :      |                    |       |           |
| Prep Method :      | 3510C                         |           |                    |       |           |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| PP069221.D        | 1         | 01/17/25 11:30 | 01/20/25 10:54 | PB166124      |

| CAS Number        | Parameter            | Conc. | Qualifier | MDL      | LOD  | LOQ / CRQL | Units   |
|-------------------|----------------------|-------|-----------|----------|------|------------|---------|
| <b>TARGETS</b>    |                      |       |           |          |      |            |         |
| 12674-11-2        | Aroclor-1016         | 4.60  |           | 0.15     | 0.40 | 0.50       | ug/L    |
| 11104-28-2        | Aroclor-1221         | 0.40  | U         | 0.23     | 0.40 | 0.50       | ug/L    |
| 11141-16-5        | Aroclor-1232         | 0.40  | U         | 0.37     | 0.40 | 0.50       | ug/L    |
| 53469-21-9        | Aroclor-1242         | 0.40  | U         | 0.16     | 0.40 | 0.50       | ug/L    |
| 12672-29-6        | Aroclor-1248         | 0.40  | U         | 0.12     | 0.40 | 0.50       | ug/L    |
| 11097-69-1        | Aroclor-1254         | 0.40  | U         | 0.11     | 0.40 | 0.50       | ug/L    |
| 37324-23-5        | Aroclor-1262         | 0.40  | U         | 0.14     | 0.40 | 0.50       | ug/L    |
| 11100-14-4        | Aroclor-1268         | 0.40  | U         | 0.12     | 0.40 | 0.50       | ug/L    |
| 11096-82-5        | Aroclor-1260         | 4.10  |           | 0.15     | 0.40 | 0.50       | ug/L    |
| <b>SURROGATES</b> |                      |       |           |          |      |            |         |
| 877-09-8          | Tetrachloro-m-xylene | 21.9  |           | 35 - 137 |      | 110%       | SPK: 20 |
| 2051-24-3         | Decachlorobiphenyl   | 21.6  |           | 40 - 135 |      | 108%       | SPK: 20 |

### Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

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

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

## LAB CHRONICLE

|                 |                      |                   |                               |
|-----------------|----------------------|-------------------|-------------------------------|
| <b>OrderID:</b> | Q1122                | <b>OrderDate:</b> | 1/17/2025 8:43:00 AM          |
| <b>Client:</b>  | Tetra Tech NUS, Inc. | <b>Project:</b>   | NWIRP Bethpage 112G08005-WE13 |
| <b>Contact:</b> | Ernie Wu             | <b>Location:</b>  | E11,M11                       |

| LabID    | ClientID         | Matrix | Test                     | Method | Sample Date | Prep Date | Anal Date | Received |
|----------|------------------|--------|--------------------------|--------|-------------|-----------|-----------|----------|
| Q1122-01 | RW10A-20250116   | Water  |                          |        | 01/16/25    |           |           | 01/16/25 |
|          |                  |        | Mercury                  | 7470A  |             | 01/22/25  | 01/23/25  |          |
|          |                  |        | Metals ICP-TAL           | 6010D  |             | 01/21/25  | 01/21/25  |          |
| Q1122-02 | RW10A-F-20250116 | Water  |                          |        | 01/16/25    |           |           | 01/16/25 |
|          |                  |        | Dissolved ICP-TAL Metals | 6010D  |             | 01/21/25  | 01/21/25  |          |
|          |                  |        | Dissolved Mercury        | 7470A  |             | 01/22/25  | 01/23/25  |          |

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

**SDG No.:** Q1122 **Order ID:** Q1122  
**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 : RW10A-20250116</b>   |                  |        |           |               |   |      |      |      |       |
| Q1122-01                            | RW10A-20250116   | Water  | Aluminum  | 704           |   | 28.3 | 40.0 | 50.0 | ug/L  |
| Q1122-01                            | RW10A-20250116   | Water  | Barium    | 10.5          | J | 6.28 | 12.5 | 50.0 | ug/L  |
| Q1122-01                            | RW10A-20250116   | Water  | Beryllium | 0.14          | J | 0.13 | 0.75 | 3.00 | ug/L  |
| Q1122-01                            | RW10A-20250116   | Water  | Calcium   | 9470          |   | 33.0 | 250  | 1000 | ug/L  |
| Q1122-01                            | RW10A-20250116   | Water  | Chromium  | 0.70          | J | 0.66 | 2.50 | 5.00 | ug/L  |
| Q1122-01                            | RW10A-20250116   | Water  | Cobalt    | 17.4          |   | 0.50 | 3.75 | 15.0 | ug/L  |
| Q1122-01                            | RW10A-20250116   | Water  | Copper    | 25.7          |   | 7.07 | 8.00 | 10.0 | ug/L  |
| Q1122-01                            | RW10A-20250116   | Water  | Iron      | 2190          |   | 18.5 | 40.0 | 50.0 | ug/L  |
| Q1122-01                            | RW10A-20250116   | Water  | Magnesium | 3880          |   | 39.4 | 250  | 1000 | ug/L  |
| Q1122-01                            | RW10A-20250116   | Water  | Manganese | 113           |   | 1.46 | 2.50 | 10.0 | ug/L  |
| Q1122-01                            | RW10A-20250116   | Water  | Nickel    | 18.4          | J | 0.85 | 5.00 | 20.0 | ug/L  |
| Q1122-01                            | RW10A-20250116   | Water  | Potassium | 3090          |   | 685  | 800  | 1000 | ug/L  |
| Q1122-01                            | RW10A-20250116   | Water  | Silver    | 0.65          | J | 0.58 | 2.50 | 5.00 | ug/L  |
| Q1122-01                            | RW10A-20250116   | Water  | Sodium    | 47400         |   | 237  | 500  | 1000 | ug/L  |
| Q1122-01                            | RW10A-20250116   | Water  | Zinc      | 78.2          |   | 1.75 | 5.00 | 20.0 | ug/L  |
| <b>Client ID : RW10A-F-20250116</b> |                  |        |           |               |   |      |      |      |       |
| Q1122-02                            | RW10A-F-20250116 | Water  | Aluminum  | 696           |   | 28.3 | 40.0 | 50.0 | ug/L  |
| Q1122-02                            | RW10A-F-20250116 | Water  | Barium    | 10.2          | J | 6.28 | 12.5 | 50.0 | ug/L  |
| Q1122-02                            | RW10A-F-20250116 | Water  | Beryllium | 0.14          | J | 0.13 | 0.75 | 3.00 | ug/L  |
| Q1122-02                            | RW10A-F-20250116 | Water  | Calcium   | 9420          |   | 33.0 | 250  | 1000 | ug/L  |
| Q1122-02                            | RW10A-F-20250116 | Water  | Cobalt    | 17.4          |   | 0.50 | 3.75 | 15.0 | ug/L  |
| Q1122-02                            | RW10A-F-20250116 | Water  | Copper    | 18.4          |   | 7.07 | 8.00 | 10.0 | ug/L  |
| Q1122-02                            | RW10A-F-20250116 | Water  | Iron      | 2190          |   | 18.5 | 40.0 | 50.0 | ug/L  |
| Q1122-02                            | RW10A-F-20250116 | Water  | Magnesium | 3880          |   | 39.4 | 250  | 1000 | ug/L  |
| Q1122-02                            | RW10A-F-20250116 | Water  | Manganese | 114           |   | 1.46 | 2.50 | 10.0 | ug/L  |
| Q1122-02                            | RW10A-F-20250116 | Water  | Nickel    | 18.5          | J | 0.85 | 5.00 | 20.0 | ug/L  |
| Q1122-02                            | RW10A-F-20250116 | Water  | Potassium | 3030          |   | 685  | 800  | 1000 | ug/L  |
| Q1122-02                            | RW10A-F-20250116 | Water  | Sodium    | 47700         |   | 237  | 500  | 1000 | ug/L  |
| Q1122-02                            | RW10A-F-20250116 | Water  | Zinc      | 77.8          |   | 1.75 | 5.00 | 20.0 | ug/L  |



# SAMPLE DATA

## Report of Analysis

|                   |                               |                 |          |
|-------------------|-------------------------------|-----------------|----------|
| Client:           | Tetra Tech NUS, Inc.          | Date Collected: | 01/16/25 |
| Project:          | NWIRP Bethpage 112G08005-WE13 | Date Received:  | 01/16/25 |
| Client Sample ID: | RW10A-20250116                | SDG No.:        | Q1122    |
| Lab Sample ID:    | Q1122-01                      | 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  | 704   | N    | 1  | 28.3  | 40.0 | 50.0       | ug/L  | 01/21/25 10:40 | 01/21/25 14:26 | SW6010   | SW3010    |
| 7440-36-0 | Antimony  | 6.25  | U    | 1  | 2.06  | 6.25 | 25.0       | ug/L  | 01/21/25 10:40 | 01/21/25 14:26 | SW6010   | SW3010    |
| 7440-38-2 | Arsenic   | 8.00  | U    | 1  | 3.48  | 8.00 | 10.0       | ug/L  | 01/21/25 10:40 | 01/21/25 14:26 | SW6010   | SW3010    |
| 7440-39-3 | Barium    | 10.5  | JN   | 1  | 6.28  | 12.5 | 50.0       | ug/L  | 01/21/25 10:40 | 01/21/25 14:26 | SW6010   | SW3010    |
| 7440-41-7 | Beryllium | 0.14  | JN   | 1  | 0.13  | 0.75 | 3.00       | ug/L  | 01/21/25 10:40 | 01/21/25 14:26 | SW6010   | SW3010    |
| 7440-43-9 | Cadmium   | 0.75  | U    | 1  | 0.094 | 0.75 | 3.00       | ug/L  | 01/21/25 10:40 | 01/21/25 14:26 | SW6010   | SW3010    |
| 7440-70-2 | Calcium   | 9470  |      | 1  | 33.0  | 250  | 1000       | ug/L  | 01/21/25 10:40 | 01/21/25 14:26 | SW6010   | SW3010    |
| 7440-47-3 | Chromium  | 0.70  | J    | 1  | 0.66  | 2.50 | 5.00       | ug/L  | 01/21/25 10:40 | 01/21/25 14:26 | SW6010   | SW3010    |
| 7440-48-4 | Cobalt    | 17.4  |      | 1  | 0.50  | 3.75 | 15.0       | ug/L  | 01/21/25 10:40 | 01/21/25 14:26 | SW6010   | SW3010    |
| 7440-50-8 | Copper    | 25.7  |      | 1  | 7.07  | 8.00 | 10.0       | ug/L  | 01/21/25 10:40 | 01/21/25 14:26 | SW6010   | SW3010    |
| 7439-89-6 | Iron      | 2190  | N    | 1  | 18.5  | 40.0 | 50.0       | ug/L  | 01/21/25 10:40 | 01/21/25 14:26 | SW6010   | SW3010    |
| 7439-92-1 | Lead      | 4.80  | U    | 1  | 3.51  | 4.80 | 6.00       | ug/L  | 01/21/25 10:40 | 01/21/25 14:26 | SW6010   | SW3010    |
| 7439-95-4 | Magnesium | 3880  | N    | 1  | 39.4  | 250  | 1000       | ug/L  | 01/21/25 10:40 | 01/21/25 14:26 | SW6010   | SW3010    |
| 7439-96-5 | Manganese | 113   | N    | 1  | 1.46  | 2.50 | 10.0       | ug/L  | 01/21/25 10:40 | 01/21/25 14:26 | SW6010   | SW3010    |
| 7439-97-6 | Mercury   | 0.16  | U    | 1  | 0.081 | 0.16 | 0.20       | ug/L  | 01/22/25 15:10 | 01/23/25 10:39 | SW7470A  |           |
| 7440-02-0 | Nickel    | 18.4  | J    | 1  | 0.85  | 5.00 | 20.0       | ug/L  | 01/21/25 10:40 | 01/21/25 14:26 | SW6010   | SW3010    |
| 7440-09-7 | Potassium | 3090  |      | 1  | 685   | 800  | 1000       | ug/L  | 01/21/25 10:40 | 01/21/25 14:26 | SW6010   | SW3010    |
| 7782-49-2 | Selenium  | 8.00  | U    | 1  | 5.88  | 8.00 | 10.0       | ug/L  | 01/21/25 10:40 | 01/21/25 14:26 | SW6010   | SW3010    |
| 7440-22-4 | Silver    | 0.65  | J    | 1  | 0.58  | 2.50 | 5.00       | ug/L  | 01/21/25 10:40 | 01/21/25 14:26 | SW6010   | SW3010    |
| 7440-23-5 | Sodium    | 47400 |      | 1  | 237   | 500  | 1000       | ug/L  | 01/21/25 10:40 | 01/21/25 14:26 | SW6010   | SW3010    |
| 7440-28-0 | Thallium  | 10.0  | U    | 1  | 2.32  | 10.0 | 20.0       | ug/L  | 01/21/25 10:40 | 01/21/25 14:26 | SW6010   | SW3010    |
| 7440-62-2 | Vanadium  | 10.0  | UN   | 1  | 3.06  | 10.0 | 20.0       | ug/L  | 01/21/25 10:40 | 01/21/25 14:26 | SW6010   | SW3010    |
| 7440-66-6 | Zinc      | 78.2  |      | 1  | 1.75  | 5.00 | 20.0       | ug/L  | 01/21/25 10:40 | 01/21/25 14:26 | SW6010   | 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: | 01/16/25 |
| Project:          | NWIRP Bethpage 112G08005-WE13 | Date Received:  | 01/16/25 |
| Client Sample ID: | RW10A-F-20250116              | SDG No.:        | Q1122    |
| Lab Sample ID:    | Q1122-02                      | Matrix:         | Water    |
| Level (low/med):  | low                           | % Solid:        | 0        |

| Cas       | Parameter | Conc. | Qua. | DF | MDL   | LOD  | LOQ / CRQL | Units | Prep Date      | Date Ana.      | Ana Met. | Prep Met. |
|-----------|-----------|-------|------|----|-------|------|------------|-------|----------------|----------------|----------|-----------|
| 7429-90-5 | Aluminum  | 696   | N    | 1  | 28.3  | 40.0 | 50.0       | ug/L  | 01/21/25 10:40 | 01/21/25 14:30 | SW6010   | SW3010    |
| 7440-36-0 | Antimony  | 6.25  | U    | 1  | 2.06  | 6.25 | 25.0       | ug/L  | 01/21/25 10:40 | 01/21/25 14:30 | SW6010   | SW3010    |
| 7440-38-2 | Arsenic   | 8.00  | U    | 1  | 3.48  | 8.00 | 10.0       | ug/L  | 01/21/25 10:40 | 01/21/25 14:30 | SW6010   | SW3010    |
| 7440-39-3 | Barium    | 10.2  | JN   | 1  | 6.28  | 12.5 | 50.0       | ug/L  | 01/21/25 10:40 | 01/21/25 14:30 | SW6010   | SW3010    |
| 7440-41-7 | Beryllium | 0.14  | JN   | 1  | 0.13  | 0.75 | 3.00       | ug/L  | 01/21/25 10:40 | 01/21/25 14:30 | SW6010   | SW3010    |
| 7440-43-9 | Cadmium   | 0.75  | U    | 1  | 0.094 | 0.75 | 3.00       | ug/L  | 01/21/25 10:40 | 01/21/25 14:30 | SW6010   | SW3010    |
| 7440-70-2 | Calcium   | 9420  |      | 1  | 33.0  | 250  | 1000       | ug/L  | 01/21/25 10:40 | 01/21/25 14:30 | SW6010   | SW3010    |
| 7440-47-3 | Chromium  | 2.50  | U    | 1  | 0.66  | 2.50 | 5.00       | ug/L  | 01/21/25 10:40 | 01/21/25 14:30 | SW6010   | SW3010    |
| 7440-48-4 | Cobalt    | 17.4  |      | 1  | 0.50  | 3.75 | 15.0       | ug/L  | 01/21/25 10:40 | 01/21/25 14:30 | SW6010   | SW3010    |
| 7440-50-8 | Copper    | 18.4  |      | 1  | 7.07  | 8.00 | 10.0       | ug/L  | 01/21/25 10:40 | 01/21/25 14:30 | SW6010   | SW3010    |
| 7439-89-6 | Iron      | 2190  | N    | 1  | 18.5  | 40.0 | 50.0       | ug/L  | 01/21/25 10:40 | 01/21/25 14:30 | SW6010   | SW3010    |
| 7439-92-1 | Lead      | 4.80  | U    | 1  | 3.51  | 4.80 | 6.00       | ug/L  | 01/21/25 10:40 | 01/21/25 14:30 | SW6010   | SW3010    |
| 7439-95-4 | Magnesium | 3880  | N    | 1  | 39.4  | 250  | 1000       | ug/L  | 01/21/25 10:40 | 01/21/25 14:30 | SW6010   | SW3010    |
| 7439-96-5 | Manganese | 114   | N    | 1  | 1.46  | 2.50 | 10.0       | ug/L  | 01/21/25 10:40 | 01/21/25 14:30 | SW6010   | SW3010    |
| 7439-97-6 | Mercury   | 0.16  | U    | 1  | 0.081 | 0.16 | 0.20       | ug/L  | 01/22/25 15:10 | 01/23/25 10:42 | SW7470A  |           |
| 7440-02-0 | Nickel    | 18.5  | J    | 1  | 0.85  | 5.00 | 20.0       | ug/L  | 01/21/25 10:40 | 01/21/25 14:30 | SW6010   | SW3010    |
| 7440-09-7 | Potassium | 3030  |      | 1  | 685   | 800  | 1000       | ug/L  | 01/21/25 10:40 | 01/21/25 14:30 | SW6010   | SW3010    |
| 7782-49-2 | Selenium  | 8.00  | U    | 1  | 5.88  | 8.00 | 10.0       | ug/L  | 01/21/25 10:40 | 01/21/25 14:30 | SW6010   | SW3010    |
| 7440-22-4 | Silver    | 2.50  | U    | 1  | 0.58  | 2.50 | 5.00       | ug/L  | 01/21/25 10:40 | 01/21/25 14:30 | SW6010   | SW3010    |
| 7440-23-5 | Sodium    | 47700 |      | 1  | 237   | 500  | 1000       | ug/L  | 01/21/25 10:40 | 01/21/25 14:30 | SW6010   | SW3010    |
| 7440-28-0 | Thallium  | 10.0  | U    | 1  | 2.32  | 10.0 | 20.0       | ug/L  | 01/21/25 10:40 | 01/21/25 14:30 | SW6010   | SW3010    |
| 7440-62-2 | Vanadium  | 10.0  | UN   | 1  | 3.06  | 10.0 | 20.0       | ug/L  | 01/21/25 10:40 | 01/21/25 14:30 | SW6010   | SW3010    |
| 7440-66-6 | Zinc      | 77.8  |      | 1  | 1.75  | 5.00 | 20.0       | ug/L  | 01/21/25 10:40 | 01/21/25 14:30 | SW6010   | SW3010    |

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



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|                                       |                             |                  |              |                  |              |                 |              |
|---------------------------------------|-----------------------------|------------------|--------------|------------------|--------------|-----------------|--------------|
| <b>Client:</b>                        | <u>Tetra Tech NUS, Inc.</u> | <b>SDG No.:</b>  | <u>Q1122</u> |                  |              |                 |              |
| <b>Contract:</b>                      | <u>TETR06</u>               | <b>Lab Code:</b> | <u>CHEM</u>  | <b>Case No.:</b> | <u>Q1122</u> | <b>SAS No.:</b> | <u>Q1122</u> |
| <b>Initial Calibration Source:</b>    | <u>EPA</u>                  |                  |              |                  |              |                 |              |
| <b>Continuing Calibration Source:</b> | <u>PLASMA-PURE</u>          |                  |              |                  |              |                 |              |

| 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 |
|-----------|---------|----------------|------------|---------------|---------------------------|----|------------------|------------------|---------------|
| ICV66     | Mercury | 4.06           | 4.0        | 102           | 90 - 110                  | CV | 01/23/2025       | 10:19            | LB134375      |

**Metals**

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**INITIAL AND CONTINUING CALIBRATION VERIFICATION**

**Client:** Tetra Tech NUS, Inc. **SDG No.:** Q1122

**Contract:** TETR06 **Lab Code:** CHEM **Case No.:** Q1122 **SAS No.:** Q1122

**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 |
|-----------|---------|----------------|------------|---------------|---------------------------|----|------------------|------------------|---------------|
| CCV62     | Mercury | 5.08           | 5.0        | 102           | 90 - 110                  | CV | 01/23/2025       | 10:23            | LB134375      |
| CCV63     | Mercury | 5.17           | 5.0        | 103           | 90 - 110                  | CV | 01/23/2025       | 10:56            | LB134375      |
| CCV64     | Mercury | 5.10           | 5.0        | 102           | 90 - 110                  | CV | 01/23/2025       | 11:10            | LB134375      |

## Metals

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### INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Tetra Tech NUS, Inc. SDG No.: Q1122  
Contract: TETR06 Lab Code: CHEM Case No.: Q1122 SAS No.: Q1122  
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  | 2400           | 2500       | 96            | 90 - 110                  | P | 01/21/2025       | 11:26            | LB134358      |
|           | Antimony  | 1020           | 1000       | 102           | 90 - 110                  | P | 01/21/2025       | 11:26            | LB134358      |
|           | Arsenic   | 1030           | 1000       | 103           | 90 - 110                  | P | 01/21/2025       | 11:26            | LB134358      |
|           | Barium    | 477            | 520        | 92            | 90 - 110                  | P | 01/21/2025       | 11:26            | LB134358      |
|           | Beryllium | 485            | 510        | 95            | 90 - 110                  | P | 01/21/2025       | 11:26            | LB134358      |
|           | Cadmium   | 505            | 510        | 99            | 90 - 110                  | P | 01/21/2025       | 11:26            | LB134358      |
|           | Calcium   | 9610           | 10000      | 96            | 90 - 110                  | P | 01/21/2025       | 11:26            | LB134358      |
|           | Chromium  | 529            | 520        | 102           | 90 - 110                  | P | 01/21/2025       | 11:26            | LB134358      |
|           | Cobalt    | 509            | 520        | 98            | 90 - 110                  | P | 01/21/2025       | 11:26            | LB134358      |
|           | Copper    | 524            | 510        | 103           | 90 - 110                  | P | 01/21/2025       | 11:26            | LB134358      |
|           | Iron      | 10300          | 10000      | 103           | 90 - 110                  | P | 01/21/2025       | 11:26            | LB134358      |
|           | Lead      | 1010           | 1000       | 101           | 90 - 110                  | P | 01/21/2025       | 11:26            | LB134358      |
|           | Magnesium | 5700           | 6000       | 95            | 90 - 110                  | P | 01/21/2025       | 11:26            | LB134358      |
|           | Manganese | 494            | 520        | 95            | 90 - 110                  | P | 01/21/2025       | 11:26            | LB134358      |
|           | Nickel    | 511            | 530        | 96            | 90 - 110                  | P | 01/21/2025       | 11:26            | LB134358      |
|           | Potassium | 10000          | 9900       | 101           | 90 - 110                  | P | 01/21/2025       | 11:26            | LB134358      |
|           | Selenium  | 1040           | 1000       | 104           | 90 - 110                  | P | 01/21/2025       | 11:26            | LB134358      |
|           | Silver    | 252            | 250        | 101           | 90 - 110                  | P | 01/21/2025       | 11:26            | LB134358      |
|           | Sodium    | 9990           | 10000      | 100           | 90 - 110                  | P | 01/21/2025       | 11:26            | LB134358      |
|           | Thallium  | 1040           | 1000       | 104           | 90 - 110                  | P | 01/21/2025       | 11:26            | LB134358      |
|           | Vanadium  | 483            | 500        | 97            | 90 - 110                  | P | 01/21/2025       | 11:26            | LB134358      |
|           | Zinc      | 1020           | 1000       | 102           | 90 - 110                  | P | 01/21/2025       | 11:26            | LB134358      |

# Metals

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## INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Tetra Tech NUS, Inc. SDG No.: Q1122  
Contract: TETR06 Lab Code: CHEM Case No.: Q1122 SAS No.: Q1122  
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  | 90.4           | 100        | 90            | 80 - 120                  | P | 01/21/2025       | 11:35            | LB134358      |
|           | Antimony  | 49.2           | 50.0       | 98            | 80 - 120                  | P | 01/21/2025       | 11:35            | LB134358      |
|           | Arsenic   | 20.6           | 20.0       | 103           | 80 - 120                  | P | 01/21/2025       | 11:35            | LB134358      |
|           | Barium    | 93.4           | 100        | 93            | 80 - 120                  | P | 01/21/2025       | 11:35            | LB134358      |
|           | Beryllium | 5.63           | 6.0        | 94            | 80 - 120                  | P | 01/21/2025       | 11:35            | LB134358      |
|           | Cadmium   | 5.80           | 6.0        | 97            | 80 - 120                  | P | 01/21/2025       | 11:35            | LB134358      |
|           | Calcium   | 1930           | 2000       | 96            | 80 - 120                  | P | 01/21/2025       | 11:35            | LB134358      |
|           | Chromium  | 9.51           | 10.0       | 95            | 80 - 120                  | P | 01/21/2025       | 11:35            | LB134358      |
|           | Cobalt    | 28.9           | 30.0       | 96            | 80 - 120                  | P | 01/21/2025       | 11:35            | LB134358      |
|           | Copper    | 21.6           | 20.0       | 108           | 80 - 120                  | P | 01/21/2025       | 11:35            | LB134358      |
|           | Iron      | 109            | 100        | 109           | 80 - 120                  | P | 01/21/2025       | 11:35            | LB134358      |
|           | Lead      | 11.8           | 12.0       | 98            | 80 - 120                  | P | 01/21/2025       | 11:35            | LB134358      |
|           | Magnesium | 2030           | 2000       | 102           | 80 - 120                  | P | 01/21/2025       | 11:35            | LB134358      |
|           | Manganese | 19.8           | 20.0       | 99            | 80 - 120                  | P | 01/21/2025       | 11:35            | LB134358      |
|           | Nickel    | 38.6           | 40.0       | 96            | 80 - 120                  | P | 01/21/2025       | 11:35            | LB134358      |
|           | Potassium | 1980           | 2000       | 99            | 80 - 120                  | P | 01/21/2025       | 11:35            | LB134358      |
|           | Selenium  | 19.4           | 20.0       | 97            | 80 - 120                  | P | 01/21/2025       | 11:35            | LB134358      |
|           | Silver    | 10.3           | 10.0       | 103           | 80 - 120                  | P | 01/21/2025       | 11:35            | LB134358      |
|           | Sodium    | 2000           | 2000       | 100           | 80 - 120                  | P | 01/21/2025       | 11:35            | LB134358      |
|           | Thallium  | 39.3           | 40.0       | 98            | 80 - 120                  | P | 01/21/2025       | 11:35            | LB134358      |
|           | Vanadium  | 38.6           | 40.0       | 96            | 80 - 120                  | P | 01/21/2025       | 11:35            | LB134358      |
|           | Zinc      | 41.9           | 40.0       | 105           | 80 - 120                  | P | 01/21/2025       | 11:35            | LB134358      |

# Metals

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## INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Tetra Tech NUS, Inc. SDG No.: Q1122  
 Contract: TETR06 Lab Code: CHEM Case No.: Q1122 SAS No.: Q1122  
 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  | 9840           | 10000      | 98            | 90 - 110                  | P | 01/21/2025       | 12:12            | LB134358      |
|           | Antimony  | 4970           | 5000       | 100           | 90 - 110                  | P | 01/21/2025       | 12:12            | LB134358      |
|           | Arsenic   | 4890           | 5000       | 98            | 90 - 110                  | P | 01/21/2025       | 12:12            | LB134358      |
|           | Barium    | 9850           | 10000      | 98            | 90 - 110                  | P | 01/21/2025       | 12:12            | LB134358      |
|           | Beryllium | 240            | 250        | 96            | 90 - 110                  | P | 01/21/2025       | 12:12            | LB134358      |
|           | Cadmium   | 2450           | 2500       | 98            | 90 - 110                  | P | 01/21/2025       | 12:12            | LB134358      |
|           | Calcium   | 24500          | 25000      | 98            | 90 - 110                  | P | 01/21/2025       | 12:12            | LB134358      |
|           | Chromium  | 992            | 1000       | 99            | 90 - 110                  | P | 01/21/2025       | 12:12            | LB134358      |
|           | Cobalt    | 2450           | 2500       | 98            | 90 - 110                  | P | 01/21/2025       | 12:12            | LB134358      |
|           | Copper    | 1240           | 1250       | 100           | 90 - 110                  | P | 01/21/2025       | 12:12            | LB134358      |
|           | Iron      | 5040           | 5000       | 101           | 90 - 110                  | P | 01/21/2025       | 12:12            | LB134358      |
|           | Lead      | 4890           | 5000       | 98            | 90 - 110                  | P | 01/21/2025       | 12:12            | LB134358      |
|           | Magnesium | 24300          | 25000      | 97            | 90 - 110                  | P | 01/21/2025       | 12:12            | LB134358      |
|           | Manganese | 2450           | 2500       | 98            | 90 - 110                  | P | 01/21/2025       | 12:12            | LB134358      |
|           | Nickel    | 2450           | 2500       | 98            | 90 - 110                  | P | 01/21/2025       | 12:12            | LB134358      |
|           | Potassium | 25300          | 25000      | 101           | 90 - 110                  | P | 01/21/2025       | 12:12            | LB134358      |
|           | Selenium  | 4940           | 5000       | 99            | 90 - 110                  | P | 01/21/2025       | 12:12            | LB134358      |
|           | Silver    | 1240           | 1250       | 99            | 90 - 110                  | P | 01/21/2025       | 12:12            | LB134358      |
|           | Sodium    | 25300          | 25000      | 101           | 90 - 110                  | P | 01/21/2025       | 12:12            | LB134358      |
|           | Thallium  | 5100           | 5000       | 102           | 90 - 110                  | P | 01/21/2025       | 12:12            | LB134358      |
|           | Vanadium  | 2460           | 2500       | 98            | 90 - 110                  | P | 01/21/2025       | 12:12            | LB134358      |
|           | Zinc      | 2490           | 2500       | 100           | 90 - 110                  | P | 01/21/2025       | 12:12            | LB134358      |
| CCV02     | Aluminum  | 9660           | 10000      | 97            | 90 - 110                  | P | 01/21/2025       | 13:01            | LB134358      |
|           | Antimony  | 4910           | 5000       | 98            | 90 - 110                  | P | 01/21/2025       | 13:01            | LB134358      |
|           | Arsenic   | 4820           | 5000       | 96            | 90 - 110                  | P | 01/21/2025       | 13:01            | LB134358      |
|           | Barium    | 9770           | 10000      | 98            | 90 - 110                  | P | 01/21/2025       | 13:01            | LB134358      |
|           | Beryllium | 238            | 250        | 95            | 90 - 110                  | P | 01/21/2025       | 13:01            | LB134358      |
|           | Cadmium   | 2420           | 2500       | 97            | 90 - 110                  | P | 01/21/2025       | 13:01            | LB134358      |
|           | Calcium   | 24000          | 25000      | 96            | 90 - 110                  | P | 01/21/2025       | 13:01            | LB134358      |
|           | Chromium  | 984            | 1000       | 98            | 90 - 110                  | P | 01/21/2025       | 13:01            | LB134358      |
|           | Cobalt    | 2420           | 2500       | 97            | 90 - 110                  | P | 01/21/2025       | 13:01            | LB134358      |
|           | Copper    | 1230           | 1250       | 98            | 90 - 110                  | P | 01/21/2025       | 13:01            | LB134358      |
|           | Iron      | 5050           | 5000       | 101           | 90 - 110                  | P | 01/21/2025       | 13:01            | LB134358      |
|           | Lead      | 4820           | 5000       | 96            | 90 - 110                  | P | 01/21/2025       | 13:01            | LB134358      |

**Metals**

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**INITIAL AND CONTINUING CALIBRATION VERIFICATION**

**Client:** Tetra Tech NUS, Inc. **SDG No.:** Q1122

**Contract:** TETR06 **Lab Code:** CHEM **Case No.:** Q1122 **SAS No.:** Q1122

**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 | 23800          | 25000      | 95            | 90 - 110                  | P | 01/21/2025       | 13:01            | LB134358      |
|           | Manganese | 2400           | 2500       | 96            | 90 - 110                  | P | 01/21/2025       | 13:01            | LB134358      |
|           | Nickel    | 2420           | 2500       | 97            | 90 - 110                  | P | 01/21/2025       | 13:01            | LB134358      |
|           | Potassium | 25100          | 25000      | 101           | 90 - 110                  | P | 01/21/2025       | 13:01            | LB134358      |
|           | Selenium  | 4870           | 5000       | 97            | 90 - 110                  | P | 01/21/2025       | 13:01            | LB134358      |
|           | Silver    | 1230           | 1250       | 99            | 90 - 110                  | P | 01/21/2025       | 13:01            | LB134358      |
|           | Sodium    | 25100          | 25000      | 100           | 90 - 110                  | P | 01/21/2025       | 13:01            | LB134358      |
|           | Thallium  | 5100           | 5000       | 102           | 90 - 110                  | P | 01/21/2025       | 13:01            | LB134358      |
|           | Vanadium  | 2420           | 2500       | 97            | 90 - 110                  | P | 01/21/2025       | 13:01            | LB134358      |
|           | Zinc      | 2470           | 2500       | 99            | 90 - 110                  | P | 01/21/2025       | 13:01            | LB134358      |
| CCV03     | Aluminum  | 9610           | 10000      | 96            | 90 - 110                  | P | 01/21/2025       | 13:18            | LB134358      |
|           | Antimony  | 4940           | 5000       | 99            | 90 - 110                  | P | 01/21/2025       | 13:18            | LB134358      |
|           | Arsenic   | 4870           | 5000       | 97            | 90 - 110                  | P | 01/21/2025       | 13:18            | LB134358      |
|           | Barium    | 9590           | 10000      | 96            | 90 - 110                  | P | 01/21/2025       | 13:18            | LB134358      |
|           | Beryllium | 233            | 250        | 93            | 90 - 110                  | P | 01/21/2025       | 13:18            | LB134358      |
|           | Cadmium   | 2410           | 2500       | 96            | 90 - 110                  | P | 01/21/2025       | 13:18            | LB134358      |
|           | Calcium   | 23700          | 25000      | 95            | 90 - 110                  | P | 01/21/2025       | 13:18            | LB134358      |
|           | Chromium  | 974            | 1000       | 97            | 90 - 110                  | P | 01/21/2025       | 13:18            | LB134358      |
|           | Cobalt    | 2410           | 2500       | 96            | 90 - 110                  | P | 01/21/2025       | 13:18            | LB134358      |
|           | Copper    | 1230           | 1250       | 98            | 90 - 110                  | P | 01/21/2025       | 13:18            | LB134358      |
|           | Iron      | 4840           | 5000       | 97            | 90 - 110                  | P | 01/21/2025       | 13:18            | LB134358      |
|           | Lead      | 4810           | 5000       | 96            | 90 - 110                  | P | 01/21/2025       | 13:18            | LB134358      |
|           | Magnesium | 23700          | 25000      | 95            | 90 - 110                  | P | 01/21/2025       | 13:18            | LB134358      |
|           | Manganese | 2360           | 2500       | 94            | 90 - 110                  | P | 01/21/2025       | 13:18            | LB134358      |
|           | Nickel    | 2410           | 2500       | 96            | 90 - 110                  | P | 01/21/2025       | 13:18            | LB134358      |
|           | Potassium | 24200          | 25000      | 97            | 90 - 110                  | P | 01/21/2025       | 13:18            | LB134358      |
|           | Selenium  | 4910           | 5000       | 98            | 90 - 110                  | P | 01/21/2025       | 13:18            | LB134358      |
|           | Silver    | 1200           | 1250       | 96            | 90 - 110                  | P | 01/21/2025       | 13:18            | LB134358      |
|           | Sodium    | 24400          | 25000      | 98            | 90 - 110                  | P | 01/21/2025       | 13:18            | LB134358      |
|           | Thallium  | 5090           | 5000       | 102           | 90 - 110                  | P | 01/21/2025       | 13:18            | LB134358      |
|           | Vanadium  | 2390           | 2500       | 96            | 90 - 110                  | P | 01/21/2025       | 13:18            | LB134358      |
|           | Zinc      | 2430           | 2500       | 97            | 90 - 110                  | P | 01/21/2025       | 13:18            | LB134358      |
| CCV04     | Aluminum  | 9510           | 10000      | 95            | 90 - 110                  | P | 01/21/2025       | 13:56            | LB134358      |
|           | Antimony  | 5020           | 5000       | 100           | 90 - 110                  | P | 01/21/2025       | 13:56            | LB134358      |

# Metals

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## INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Tetra Tech NUS, Inc. SDG No.: Q1122  
Contract: TETR06 Lab Code: CHEM Case No.: Q1122 SAS No.: Q1122  
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 | 01/21/2025       | 13:56            | LB134358      |
|           | Barium    | 9550           | 10000      | 96            | 90 - 110                  | P | 01/21/2025       | 13:56            | LB134358      |
|           | Beryllium | 226            | 250        | 90            | 90 - 110                  | P | 01/21/2025       | 13:56            | LB134358      |
|           | Cadmium   | 2410           | 2500       | 96            | 90 - 110                  | P | 01/21/2025       | 13:56            | LB134358      |
|           | Calcium   | 23300          | 25000      | 93            | 90 - 110                  | P | 01/21/2025       | 13:56            | LB134358      |
|           | Chromium  | 959            | 1000       | 96            | 90 - 110                  | P | 01/21/2025       | 13:56            | LB134358      |
|           | Cobalt    | 2410           | 2500       | 96            | 90 - 110                  | P | 01/21/2025       | 13:56            | LB134358      |
|           | Copper    | 1240           | 1250       | 99            | 90 - 110                  | P | 01/21/2025       | 13:56            | LB134358      |
|           | Iron      | 4930           | 5000       | 99            | 90 - 110                  | P | 01/21/2025       | 13:56            | LB134358      |
|           | Lead      | 4790           | 5000       | 96            | 90 - 110                  | P | 01/21/2025       | 13:56            | LB134358      |
|           | Magnesium | 22900          | 25000      | 92            | 90 - 110                  | P | 01/21/2025       | 13:56            | LB134358      |
|           | Manganese | 2310           | 2500       | 92            | 90 - 110                  | P | 01/21/2025       | 13:56            | LB134358      |
|           | Nickel    | 2410           | 2500       | 96            | 90 - 110                  | P | 01/21/2025       | 13:56            | LB134358      |
|           | Potassium | 25100          | 25000      | 101           | 90 - 110                  | P | 01/21/2025       | 13:56            | LB134358      |
|           | Selenium  | 5040           | 5000       | 101           | 90 - 110                  | P | 01/21/2025       | 13:56            | LB134358      |
|           | Silver    | 1210           | 1250       | 96            | 90 - 110                  | P | 01/21/2025       | 13:56            | LB134358      |
|           | Sodium    | 25300          | 25000      | 101           | 90 - 110                  | P | 01/21/2025       | 13:56            | LB134358      |
|           | Thallium  | 5060           | 5000       | 101           | 90 - 110                  | P | 01/21/2025       | 13:56            | LB134358      |
|           | Vanadium  | 2360           | 2500       | 94            | 90 - 110                  | P | 01/21/2025       | 13:56            | LB134358      |
|           | Zinc      | 2420           | 2500       | 97            | 90 - 110                  | P | 01/21/2025       | 13:56            | LB134358      |
| CCV05     | Aluminum  | 9740           | 10000      | 97            | 90 - 110                  | P | 01/21/2025       | 15:03            | LB134358      |
|           | Antimony  | 5040           | 5000       | 101           | 90 - 110                  | P | 01/21/2025       | 15:03            | LB134358      |
|           | Arsenic   | 4970           | 5000       | 99            | 90 - 110                  | P | 01/21/2025       | 15:03            | LB134358      |
|           | Barium    | 9770           | 10000      | 98            | 90 - 110                  | P | 01/21/2025       | 15:03            | LB134358      |
|           | Beryllium | 230            | 250        | 92            | 90 - 110                  | P | 01/21/2025       | 15:03            | LB134358      |
|           | Cadmium   | 2430           | 2500       | 97            | 90 - 110                  | P | 01/21/2025       | 15:03            | LB134358      |
|           | Calcium   | 23900          | 25000      | 96            | 90 - 110                  | P | 01/21/2025       | 15:03            | LB134358      |
|           | Chromium  | 978            | 1000       | 98            | 90 - 110                  | P | 01/21/2025       | 15:03            | LB134358      |
|           | Cobalt    | 2430           | 2500       | 97            | 90 - 110                  | P | 01/21/2025       | 15:03            | LB134358      |
|           | Copper    | 1250           | 1250       | 100           | 90 - 110                  | P | 01/21/2025       | 15:03            | LB134358      |
|           | Iron      | 5010           | 5000       | 100           | 90 - 110                  | P | 01/21/2025       | 15:03            | LB134358      |
|           | Lead      | 4840           | 5000       | 97            | 90 - 110                  | P | 01/21/2025       | 15:03            | LB134358      |
|           | Magnesium | 23700          | 25000      | 95            | 90 - 110                  | P | 01/21/2025       | 15:03            | LB134358      |
|           | Manganese | 2380           | 2500       | 95            | 90 - 110                  | P | 01/21/2025       | 15:03            | LB134358      |

**Metals**

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**INITIAL AND CONTINUING CALIBRATION VERIFICATION**

**Client:** Tetra Tech NUS, Inc. **SDG No.:** Q1122

**Contract:** TETR06 **Lab Code:** CHEM **Case No.:** Q1122 **SAS No.:** Q1122

**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    | 2430           | 2500       | 97            | 90 - 110                  | P | 01/21/2025       | 15:03            | LB134358      |
|           | Potassium | 25400          | 25000      | 102           | 90 - 110                  | P | 01/21/2025       | 15:03            | LB134358      |
|           | Selenium  | 5030           | 5000       | 101           | 90 - 110                  | P | 01/21/2025       | 15:03            | LB134358      |
|           | Silver    | 1220           | 1250       | 97            | 90 - 110                  | P | 01/21/2025       | 15:03            | LB134358      |
|           | Sodium    | 25600          | 25000      | 102           | 90 - 110                  | P | 01/21/2025       | 15:03            | LB134358      |
|           | Thallium  | 5110           | 5000       | 102           | 90 - 110                  | P | 01/21/2025       | 15:03            | LB134358      |
|           | Vanadium  | 2420           | 2500       | 97            | 90 - 110                  | P | 01/21/2025       | 15:03            | LB134358      |
|           | Zinc      | 2450           | 2500       | 98            | 90 - 110                  | P | 01/21/2025       | 15:03            | LB134358      |

**Metals**

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**CRDL STANDARD FOR AA & ICP**

**Client:** Tetra Tech NUS, Inc. **SDG No.:** Q1122  
**Contract:** TETR06 **Lab Code:** CHEM **Case No.:** Q1122 **SAS No.:** Q1122  
**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 |
|--------------|-----------|----------------|--------------------|---------------|---------------------------|----|------------------|------------------|---------------|
| <b>CRI01</b> | Aluminum  | 91.5           | 100                | 92            | 40 - 160                  | P  | 01/21/2025       | 11:59            | LB134358      |
|              | Antimony  | 48.9           | 50.0               | 98            | 40 - 160                  | P  | 01/21/2025       | 11:59            | LB134358      |
|              | Arsenic   | 20.8           | 20.0               | 104           | 40 - 160                  | P  | 01/21/2025       | 11:59            | LB134358      |
|              | Barium    | 87.2           | 100                | 87            | 40 - 160                  | P  | 01/21/2025       | 11:59            | LB134358      |
|              | Beryllium | 5.73           | 6.0                | 96            | 40 - 160                  | P  | 01/21/2025       | 11:59            | LB134358      |
|              | Cadmium   | 5.73           | 6.0                | 96            | 40 - 160                  | P  | 01/21/2025       | 11:59            | LB134358      |
|              | Calcium   | 1890           | 2000               | 94            | 40 - 160                  | P  | 01/21/2025       | 11:59            | LB134358      |
|              | Chromium  | 9.51           | 10.0               | 95            | 40 - 160                  | P  | 01/21/2025       | 11:59            | LB134358      |
|              | Cobalt    | 29.0           | 30.0               | 97            | 40 - 160                  | P  | 01/21/2025       | 11:59            | LB134358      |
|              | Copper    | 21.6           | 20.0               | 108           | 40 - 160                  | P  | 01/21/2025       | 11:59            | LB134358      |
|              | Iron      | 101            | 100                | 101           | 40 - 160                  | P  | 01/21/2025       | 11:59            | LB134358      |
|              | Lead      | 11.6           | 12.0               | 97            | 40 - 160                  | P  | 01/21/2025       | 11:59            | LB134358      |
|              | Magnesium | 1990           | 2000               | 100           | 40 - 160                  | P  | 01/21/2025       | 11:59            | LB134358      |
|              | Manganese | 19.3           | 20.0               | 96            | 40 - 160                  | P  | 01/21/2025       | 11:59            | LB134358      |
|              | Nickel    | 38.7           | 40.0               | 97            | 40 - 160                  | P  | 01/21/2025       | 11:59            | LB134358      |
|              | Potassium | 1910           | 2000               | 96            | 40 - 160                  | P  | 01/21/2025       | 11:59            | LB134358      |
|              | Selenium  | 19.8           | 20.0               | 99            | 40 - 160                  | P  | 01/21/2025       | 11:59            | LB134358      |
|              | Silver    | 11.1           | 10.0               | 111           | 40 - 160                  | P  | 01/21/2025       | 11:59            | LB134358      |
|              | Sodium    | 1960           | 2000               | 98            | 40 - 160                  | P  | 01/21/2025       | 11:59            | LB134358      |
|              | Thallium  | 40.3           | 40.0               | 101           | 40 - 160                  | P  | 01/21/2025       | 11:59            | LB134358      |
|              | Vanadium  | 38.1           | 40.0               | 95            | 40 - 160                  | P  | 01/21/2025       | 11:59            | LB134358      |
|              | Zinc      | 42.1           | 40.0               | 105           | 40 - 160                  | P  | 01/21/2025       | 11:59            | LB134358      |
| <b>CRA</b>   | Mercury   | 0.17           | 0.2                | 85            | 40 - 160                  | CV | 01/23/2025       | 10:28            | LB134375      |



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

**Metals**

**- 3a -**

**INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY**

| <b>Client:</b>   | Tetra Tech NUS, Inc. |                  |                     |                  | <b>SDG No.:</b> | Q1122           |       |                  |                  |               |
|------------------|----------------------|------------------|---------------------|------------------|-----------------|-----------------|-------|------------------|------------------|---------------|
| <b>Contract:</b> | TETR06               | <b>Lab Code:</b> | CHEM                | <b>Case No.:</b> | Q1122           | <b>SAS No.:</b> | Q1122 |                  |                  |               |
| 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 |
| ICB66            | Mercury              | 0.20             | +/-0.20             | U                | 0.16            | 0.20            | CV    | 01/23/2025       | 10:21            | LB134375      |

**Metals**

- 3a -

**INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY**

**Client:** Tetra Tech NUS, Inc. **SDG No.:** Q1122  
**Contract:** TETR06 **Lab Code:** CHEM **Case No.:** Q1122 **SAS No.:** Q1122

| 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 |
|-----------|---------|----------------|---------------------|--------------|------|------|----|------------------|------------------|---------------|
| CCB62     | Mercury | 0.20           | +/-0.20             | U            | 0.16 | 0.20 | CV | 01/23/2025       | 10:26            | LB134375      |
| CCB63     | Mercury | 0.20           | +/-0.20             | U            | 0.16 | 0.20 | CV | 01/23/2025       | 10:58            | LB134375      |
| CCB64     | Mercury | 0.20           | +/-0.20             | U            | 0.16 | 0.20 | CV | 01/23/2025       | 11:12            | LB134375      |

# Metals

- 3a -

## INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Tetra Tech NUS, Inc. SDG No.: Q1122  
Contract: TETR06 Lab Code: CHEM Case No.: Q1122 SAS No.: Q1122

| 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 | 01/21/2025       | 11:51            | LB134358      |
|           | Antimony  | 50.0           | +/-50.0             | U            | 12.5 | 50.0 | P | 01/21/2025       | 11:51            | LB134358      |
|           | Arsenic   | 20.0           | +/-20.0             | U            | 16.0 | 20.0 | P | 01/21/2025       | 11:51            | LB134358      |
|           | Barium    | 100            | +/-100              | U            | 25.0 | 100  | P | 01/21/2025       | 11:51            | LB134358      |
|           | Beryllium | 6.00           | +/-6.00             | U            | 1.50 | 6.00 | P | 01/21/2025       | 11:51            | LB134358      |
|           | Cadmium   | 6.00           | +/-6.00             | U            | 1.50 | 6.00 | P | 01/21/2025       | 11:51            | LB134358      |
|           | Calcium   | 2000           | +/-2000             | U            | 500  | 2000 | P | 01/21/2025       | 11:51            | LB134358      |
|           | Chromium  | 10.0           | +/-10.0             | U            | 5.00 | 10.0 | P | 01/21/2025       | 11:51            | LB134358      |
|           | Cobalt    | 30.0           | +/-30.0             | U            | 7.50 | 30.0 | P | 01/21/2025       | 11:51            | LB134358      |
|           | Copper    | 20.0           | +/-20.0             | U            | 16.0 | 20.0 | P | 01/21/2025       | 11:51            | LB134358      |
|           | Iron      | 100            | +/-100              | U            | 80.0 | 100  | P | 01/21/2025       | 11:51            | LB134358      |
|           | Lead      | 12.0           | +/-12.0             | U            | 9.60 | 12.0 | P | 01/21/2025       | 11:51            | LB134358      |
|           | Magnesium | 2000           | +/-2000             | U            | 500  | 2000 | P | 01/21/2025       | 11:51            | LB134358      |
|           | Manganese | 20.0           | +/-20.0             | U            | 5.00 | 20.0 | P | 01/21/2025       | 11:51            | LB134358      |
|           | Nickel    | 40.0           | +/-40.0             | U            | 10.0 | 40.0 | P | 01/21/2025       | 11:51            | LB134358      |
|           | Potassium | 2000           | +/-2000             | U            | 1600 | 2000 | P | 01/21/2025       | 11:51            | LB134358      |
|           | Selenium  | 20.0           | +/-20.0             | U            | 16.0 | 20.0 | P | 01/21/2025       | 11:51            | LB134358      |
|           | Silver    | 10.0           | +/-10.0             | U            | 5.00 | 10.0 | P | 01/21/2025       | 11:51            | LB134358      |
|           | Sodium    | 2000           | +/-2000             | U            | 1000 | 2000 | P | 01/21/2025       | 11:51            | LB134358      |
|           | Thallium  | 40.0           | +/-40.0             | U            | 20.0 | 40.0 | P | 01/21/2025       | 11:51            | LB134358      |
|           | Vanadium  | 40.0           | +/-40.0             | U            | 20.0 | 40.0 | P | 01/21/2025       | 11:51            | LB134358      |
|           | Zinc      | 40.0           | +/-40.0             | U            | 10.0 | 40.0 | P | 01/21/2025       | 11:51            | LB134358      |

# Metals

- 3a -

## INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Tetra Tech NUS, Inc. SDG No.: Q1122  
Contract: TETR06 Lab Code: CHEM Case No.: Q1122 SAS No.: Q1122

| 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  | 100            | +/-100              | U            | 80.0 | 100  | P | 01/21/2025       | 12:16            | LB134358      |
|           | Antimony  | 50.0           | +/-50.0             | U            | 12.5 | 50.0 | P | 01/21/2025       | 12:16            | LB134358      |
|           | Arsenic   | 20.0           | +/-20.0             | U            | 16.0 | 20.0 | P | 01/21/2025       | 12:16            | LB134358      |
|           | Barium    | 100            | +/-100              | U            | 25.0 | 100  | P | 01/21/2025       | 12:16            | LB134358      |
|           | Beryllium | 6.00           | +/-6.00             | U            | 1.50 | 6.00 | P | 01/21/2025       | 12:16            | LB134358      |
|           | Cadmium   | 6.00           | +/-6.00             | U            | 1.50 | 6.00 | P | 01/21/2025       | 12:16            | LB134358      |
|           | Calcium   | 2000           | +/-2000             | U            | 500  | 2000 | P | 01/21/2025       | 12:16            | LB134358      |
|           | Chromium  | 10.0           | +/-10.0             | U            | 5.00 | 10.0 | P | 01/21/2025       | 12:16            | LB134358      |
|           | Cobalt    | 30.0           | +/-30.0             | U            | 7.50 | 30.0 | P | 01/21/2025       | 12:16            | LB134358      |
|           | Copper    | 20.0           | +/-20.0             | U            | 16.0 | 20.0 | P | 01/21/2025       | 12:16            | LB134358      |
|           | Iron      | 100            | +/-100              | U            | 80.0 | 100  | P | 01/21/2025       | 12:16            | LB134358      |
|           | Lead      | 12.0           | +/-12.0             | U            | 9.60 | 12.0 | P | 01/21/2025       | 12:16            | LB134358      |
|           | Magnesium | 2000           | +/-2000             | U            | 500  | 2000 | P | 01/21/2025       | 12:16            | LB134358      |
|           | Manganese | 20.0           | +/-20.0             | U            | 5.00 | 20.0 | P | 01/21/2025       | 12:16            | LB134358      |
|           | Nickel    | 40.0           | +/-40.0             | U            | 10.0 | 40.0 | P | 01/21/2025       | 12:16            | LB134358      |
|           | Potassium | 2000           | +/-2000             | U            | 1600 | 2000 | P | 01/21/2025       | 12:16            | LB134358      |
|           | Selenium  | 20.0           | +/-20.0             | U            | 16.0 | 20.0 | P | 01/21/2025       | 12:16            | LB134358      |
|           | Silver    | 1.24           | +/-10.0             | J            | 5.00 | 10.0 | P | 01/21/2025       | 12:16            | LB134358      |
|           | Sodium    | 2000           | +/-2000             | U            | 1000 | 2000 | P | 01/21/2025       | 12:16            | LB134358      |
|           | Thallium  | 40.0           | +/-40.0             | U            | 20.0 | 40.0 | P | 01/21/2025       | 12:16            | LB134358      |
|           | Vanadium  | 40.0           | +/-40.0             | U            | 20.0 | 40.0 | P | 01/21/2025       | 12:16            | LB134358      |
|           | Zinc      | 40.0           | +/-40.0             | U            | 10.0 | 40.0 | P | 01/21/2025       | 12:16            | LB134358      |
| CCB02     | Aluminum  | 100            | +/-100              | U            | 80.0 | 100  | P | 01/21/2025       | 13:06            | LB134358      |
|           | Antimony  | 50.0           | +/-50.0             | U            | 12.5 | 50.0 | P | 01/21/2025       | 13:06            | LB134358      |
|           | Arsenic   | 20.0           | +/-20.0             | U            | 16.0 | 20.0 | P | 01/21/2025       | 13:06            | LB134358      |
|           | Barium    | 100            | +/-100              | U            | 25.0 | 100  | P | 01/21/2025       | 13:06            | LB134358      |
|           | Beryllium | 6.00           | +/-6.00             | U            | 1.50 | 6.00 | P | 01/21/2025       | 13:06            | LB134358      |
|           | Cadmium   | 6.00           | +/-6.00             | U            | 1.50 | 6.00 | P | 01/21/2025       | 13:06            | LB134358      |
|           | Calcium   | 2000           | +/-2000             | U            | 500  | 2000 | P | 01/21/2025       | 13:06            | LB134358      |
|           | Chromium  | 10.0           | +/-10.0             | U            | 5.00 | 10.0 | P | 01/21/2025       | 13:06            | LB134358      |
|           | Cobalt    | 30.0           | +/-30.0             | U            | 7.50 | 30.0 | P | 01/21/2025       | 13:06            | LB134358      |
|           | Copper    | 20.0           | +/-20.0             | U            | 16.0 | 20.0 | P | 01/21/2025       | 13:06            | LB134358      |
|           | Iron      | 100            | +/-100              | U            | 80.0 | 100  | P | 01/21/2025       | 13:06            | LB134358      |
|           | Lead      | 12.0           | +/-12.0             | U            | 9.60 | 12.0 | P | 01/21/2025       | 13:06            | LB134358      |
|           | Magnesium | 2000           | +/-2000             | U            | 500  | 2000 | P | 01/21/2025       | 13:06            | LB134358      |
|           | Manganese | 20.0           | +/-20.0             | U            | 5.00 | 20.0 | P | 01/21/2025       | 13:06            | LB134358      |
|           | Nickel    | 40.0           | +/-40.0             | U            | 10.0 | 40.0 | P | 01/21/2025       | 13:06            | LB134358      |
|           | Potassium | 2000           | +/-2000             | U            | 1600 | 2000 | P | 01/21/2025       | 13:06            | LB134358      |
|           | Selenium  | 20.0           | +/-20.0             | U            | 16.0 | 20.0 | P | 01/21/2025       | 13:06            | LB134358      |

**Metals**

- 3a -

**INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY**

| <b>Client:</b> Tetra Tech NUS, Inc. |                       | <b>SDG No.:</b> Q1122  |                       |              |      |      |   |                  |                  |               |
|-------------------------------------|-----------------------|------------------------|-----------------------|--------------|------|------|---|------------------|------------------|---------------|
| <b>Contract:</b> TETR06             | <b>Lab Code:</b> CHEM | <b>Case No.:</b> Q1122 | <b>SAS No.:</b> Q1122 |              |      |      |   |                  |                  |               |
| 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 |
| CCB02                               | Silver                | 10.0                   | +/-10.0               | U            | 5.00 | 10.0 | P | 01/21/2025       | 13:06            | LB134358      |
|                                     | Sodium                | 2000                   | +/-2000               | U            | 1000 | 2000 | P | 01/21/2025       | 13:06            | LB134358      |
|                                     | Thallium              | 40.0                   | +/-40.0               | U            | 20.0 | 40.0 | P | 01/21/2025       | 13:06            | LB134358      |
|                                     | Vanadium              | 40.0                   | +/-40.0               | U            | 20.0 | 40.0 | P | 01/21/2025       | 13:06            | LB134358      |
|                                     | Zinc                  | 40.0                   | +/-40.0               | U            | 10.0 | 40.0 | P | 01/21/2025       | 13:06            | LB134358      |
| CCB03                               | Aluminum              | 100                    | +/-100                | U            | 80.0 | 100  | P | 01/21/2025       | 13:22            | LB134358      |
|                                     | Antimony              | 50.0                   | +/-50.0               | U            | 12.5 | 50.0 | P | 01/21/2025       | 13:22            | LB134358      |
|                                     | Arsenic               | 20.0                   | +/-20.0               | U            | 16.0 | 20.0 | P | 01/21/2025       | 13:22            | LB134358      |
|                                     | Barium                | 100                    | +/-100                | U            | 25.0 | 100  | P | 01/21/2025       | 13:22            | LB134358      |
|                                     | Beryllium             | 6.00                   | +/-6.00               | U            | 1.50 | 6.00 | P | 01/21/2025       | 13:22            | LB134358      |
|                                     | Cadmium               | 6.00                   | +/-6.00               | U            | 1.50 | 6.00 | P | 01/21/2025       | 13:22            | LB134358      |
|                                     | Calcium               | 2000                   | +/-2000               | U            | 500  | 2000 | P | 01/21/2025       | 13:22            | LB134358      |
|                                     | Chromium              | 10.0                   | +/-10.0               | U            | 5.00 | 10.0 | P | 01/21/2025       | 13:22            | LB134358      |
|                                     | Cobalt                | 30.0                   | +/-30.0               | U            | 7.50 | 30.0 | P | 01/21/2025       | 13:22            | LB134358      |
|                                     | Copper                | 20.0                   | +/-20.0               | U            | 16.0 | 20.0 | P | 01/21/2025       | 13:22            | LB134358      |
|                                     | Iron                  | 100                    | +/-100                | U            | 80.0 | 100  | P | 01/21/2025       | 13:22            | LB134358      |
|                                     | Lead                  | 12.0                   | +/-12.0               | U            | 9.60 | 12.0 | P | 01/21/2025       | 13:22            | LB134358      |
|                                     | Magnesium             | 2000                   | +/-2000               | U            | 500  | 2000 | P | 01/21/2025       | 13:22            | LB134358      |
|                                     | Manganese             | 20.0                   | +/-20.0               | U            | 5.00 | 20.0 | P | 01/21/2025       | 13:22            | LB134358      |
|                                     | Nickel                | 40.0                   | +/-40.0               | U            | 10.0 | 40.0 | P | 01/21/2025       | 13:22            | LB134358      |
|                                     | Potassium             | 2000                   | +/-2000               | U            | 1600 | 2000 | P | 01/21/2025       | 13:22            | LB134358      |
|                                     | Selenium              | 20.0                   | +/-20.0               | U            | 16.0 | 20.0 | P | 01/21/2025       | 13:22            | LB134358      |
|                                     | Silver                | 10.0                   | +/-10.0               | U            | 5.00 | 10.0 | P | 01/21/2025       | 13:22            | LB134358      |
|                                     | Sodium                | 2000                   | +/-2000               | U            | 1000 | 2000 | P | 01/21/2025       | 13:22            | LB134358      |
|                                     | Thallium              | 40.0                   | +/-40.0               | U            | 20.0 | 40.0 | P | 01/21/2025       | 13:22            | LB134358      |
|                                     | Vanadium              | 40.0                   | +/-40.0               | U            | 20.0 | 40.0 | P | 01/21/2025       | 13:22            | LB134358      |
|                                     | Zinc                  | 40.0                   | +/-40.0               | U            | 10.0 | 40.0 | P | 01/21/2025       | 13:22            | LB134358      |
| CCB04                               | Aluminum              | 100                    | +/-100                | U            | 80.0 | 100  | P | 01/21/2025       | 14:00            | LB134358      |
|                                     | Antimony              | 50.0                   | +/-50.0               | U            | 12.5 | 50.0 | P | 01/21/2025       | 14:00            | LB134358      |
|                                     | Arsenic               | 20.0                   | +/-20.0               | U            | 16.0 | 20.0 | P | 01/21/2025       | 14:00            | LB134358      |
|                                     | Barium                | 100                    | +/-100                | U            | 25.0 | 100  | P | 01/21/2025       | 14:00            | LB134358      |
|                                     | Beryllium             | 6.00                   | +/-6.00               | U            | 1.50 | 6.00 | P | 01/21/2025       | 14:00            | LB134358      |
|                                     | Cadmium               | 6.00                   | +/-6.00               | U            | 1.50 | 6.00 | P | 01/21/2025       | 14:00            | LB134358      |
|                                     | Calcium               | 2000                   | +/-2000               | U            | 500  | 2000 | P | 01/21/2025       | 14:00            | LB134358      |
|                                     | Chromium              | 10.0                   | +/-10.0               | U            | 5.00 | 10.0 | P | 01/21/2025       | 14:00            | LB134358      |
|                                     | Cobalt                | 30.0                   | +/-30.0               | U            | 7.50 | 30.0 | P | 01/21/2025       | 14:00            | LB134358      |
|                                     | Copper                | 20.0                   | +/-20.0               | U            | 16.0 | 20.0 | P | 01/21/2025       | 14:00            | LB134358      |
|                                     | Iron                  | 100                    | +/-100                | U            | 80.0 | 100  | P | 01/21/2025       | 14:00            | LB134358      |
|                                     | Lead                  | 12.0                   | +/-12.0               | U            | 9.60 | 12.0 | P | 01/21/2025       | 14:00            | LB134358      |

## Metals

- 3a -

## INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Tetra Tech NUS, Inc.

SDG No.: Q1122

Contract: TETR06

Lab Code: CHEM

Case No.: Q1122

SAS No.: Q1122

| 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 | 01/21/2025       | 14:00            | LB134358      |
|           | Manganese | 20.0           | +/-20.0             | U            | 5.00 | 20.0 | P | 01/21/2025       | 14:00            | LB134358      |
|           | Nickel    | 40.0           | +/-40.0             | U            | 10.0 | 40.0 | P | 01/21/2025       | 14:00            | LB134358      |
|           | Potassium | 2000           | +/-2000             | U            | 1600 | 2000 | P | 01/21/2025       | 14:00            | LB134358      |
|           | Selenium  | 20.0           | +/-20.0             | U            | 16.0 | 20.0 | P | 01/21/2025       | 14:00            | LB134358      |
|           | Silver    | 10.0           | +/-10.0             | U            | 5.00 | 10.0 | P | 01/21/2025       | 14:00            | LB134358      |
|           | Sodium    | 2000           | +/-2000             | U            | 1000 | 2000 | P | 01/21/2025       | 14:00            | LB134358      |
|           | Thallium  | 40.0           | +/-40.0             | U            | 20.0 | 40.0 | P | 01/21/2025       | 14:00            | LB134358      |
|           | Vanadium  | 40.0           | +/-40.0             | U            | 20.0 | 40.0 | P | 01/21/2025       | 14:00            | LB134358      |
|           | Zinc      | 40.0           | +/-40.0             | U            | 10.0 | 40.0 | P | 01/21/2025       | 14:00            | LB134358      |
| CCB05     | Aluminum  | 100            | +/-100              | U            | 80.0 | 100  | P | 01/21/2025       | 15:07            | LB134358      |
|           | Antimony  | 50.0           | +/-50.0             | U            | 12.5 | 50.0 | P | 01/21/2025       | 15:07            | LB134358      |
|           | Arsenic   | 20.0           | +/-20.0             | U            | 16.0 | 20.0 | P | 01/21/2025       | 15:07            | LB134358      |
|           | Barium    | 100            | +/-100              | U            | 25.0 | 100  | P | 01/21/2025       | 15:07            | LB134358      |
|           | Beryllium | 6.00           | +/-6.00             | U            | 1.50 | 6.00 | P | 01/21/2025       | 15:07            | LB134358      |
|           | Cadmium   | 6.00           | +/-6.00             | U            | 1.50 | 6.00 | P | 01/21/2025       | 15:07            | LB134358      |
|           | Calcium   | 2000           | +/-2000             | U            | 500  | 2000 | P | 01/21/2025       | 15:07            | LB134358      |
|           | Chromium  | 10.0           | +/-10.0             | U            | 5.00 | 10.0 | P | 01/21/2025       | 15:07            | LB134358      |
|           | Cobalt    | 30.0           | +/-30.0             | U            | 7.50 | 30.0 | P | 01/21/2025       | 15:07            | LB134358      |
|           | Copper    | 20.0           | +/-20.0             | U            | 16.0 | 20.0 | P | 01/21/2025       | 15:07            | LB134358      |
|           | Iron      | 100            | +/-100              | U            | 80.0 | 100  | P | 01/21/2025       | 15:07            | LB134358      |
|           | Lead      | 12.0           | +/-12.0             | U            | 9.60 | 12.0 | P | 01/21/2025       | 15:07            | LB134358      |
|           | Magnesium | 2000           | +/-2000             | U            | 500  | 2000 | P | 01/21/2025       | 15:07            | LB134358      |
|           | Manganese | 20.0           | +/-20.0             | U            | 5.00 | 20.0 | P | 01/21/2025       | 15:07            | LB134358      |
|           | Nickel    | 40.0           | +/-40.0             | U            | 10.0 | 40.0 | P | 01/21/2025       | 15:07            | LB134358      |
|           | Potassium | 2000           | +/-2000             | U            | 1600 | 2000 | P | 01/21/2025       | 15:07            | LB134358      |
|           | Selenium  | 20.0           | +/-20.0             | U            | 16.0 | 20.0 | P | 01/21/2025       | 15:07            | LB134358      |
|           | Silver    | 10.0           | +/-10.0             | U            | 5.00 | 10.0 | P | 01/21/2025       | 15:07            | LB134358      |
|           | Sodium    | 2000           | +/-2000             | U            | 1000 | 2000 | P | 01/21/2025       | 15:07            | LB134358      |
|           | Thallium  | 40.0           | +/-40.0             | U            | 20.0 | 40.0 | P | 01/21/2025       | 15:07            | LB134358      |
|           | Vanadium  | 40.0           | +/-40.0             | U            | 20.0 | 40.0 | P | 01/21/2025       | 15:07            | LB134358      |
|           | Zinc      | 40.0           | +/-40.0             | U            | 10.0 | 40.0 | P | 01/21/2025       | 15:07            | LB134358      |

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

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

**SDG No.:** Q1122

**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>PB166192BL</b> |         | <b>WATER</b>     |                     | <b>Batch Number:</b> |             | <b>PB166192</b> |    | <b>Prep Date:</b> | <b>01/22/2025</b> |          |
|                   | Mercury | 0.20             | <0.20               | U                    | 0.16        | 0.20            | CV | 01/23/2025        | 10:35             | LB134375 |

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

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

**SDG No.:** Q1122

**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>PB166153BL</b> | <b>WATER</b> |                  |                     | <b>Batch Number:</b> |             | <b>PB166153</b> |   | <b>Prep Date:</b> | <b>01/21/2025</b> |          |
|                   | Aluminum     | 50.0             | <50.0               | U                    | 40.0        | 50.0            | P | 01/21/2025        | 14:55             | LB134358 |
|                   | Antimony     | 25.0             | <25.0               | U                    | 6.25        | 25.0            | P | 01/21/2025        | 14:55             | LB134358 |
|                   | Arsenic      | 10.0             | <10.0               | U                    | 8.00        | 10.0            | P | 01/21/2025        | 14:55             | LB134358 |
|                   | Barium       | 50.0             | <50.0               | U                    | 12.5        | 50.0            | P | 01/21/2025        | 14:55             | LB134358 |
|                   | Beryllium    | 3.00             | <3.00               | U                    | 0.75        | 3.00            | P | 01/21/2025        | 14:55             | LB134358 |
|                   | Cadmium      | 3.00             | <3.00               | U                    | 0.75        | 3.00            | P | 01/21/2025        | 14:55             | LB134358 |
|                   | Calcium      | 1000             | <1000               | U                    | 250         | 1000            | P | 01/21/2025        | 14:55             | LB134358 |
|                   | Chromium     | 5.00             | <5.00               | U                    | 2.50        | 5.00            | P | 01/21/2025        | 14:55             | LB134358 |
|                   | Cobalt       | 15.0             | <15.0               | U                    | 3.75        | 15.0            | P | 01/21/2025        | 14:55             | LB134358 |
|                   | Copper       | 10.0             | <10.0               | U                    | 8.00        | 10.0            | P | 01/21/2025        | 14:55             | LB134358 |
|                   | Iron         | 50.0             | <50.0               | U                    | 40.0        | 50.0            | P | 01/21/2025        | 14:55             | LB134358 |
|                   | Lead         | 6.00             | <6.00               | U                    | 4.80        | 6.00            | P | 01/21/2025        | 14:55             | LB134358 |
|                   | Magnesium    | 1000             | <1000               | U                    | 250         | 1000            | P | 01/21/2025        | 14:55             | LB134358 |
|                   | Manganese    | 10.0             | <10.0               | U                    | 2.50        | 10.0            | P | 01/21/2025        | 14:55             | LB134358 |
|                   | Nickel       | 20.0             | <20.0               | U                    | 5.00        | 20.0            | P | 01/21/2025        | 14:55             | LB134358 |
|                   | Potassium    | 1000             | <1000               | U                    | 800         | 1000            | P | 01/21/2025        | 14:55             | LB134358 |
|                   | Selenium     | 10.0             | <10.0               | U                    | 8.00        | 10.0            | P | 01/21/2025        | 14:55             | LB134358 |
|                   | Silver       | 5.00             | <5.00               | U                    | 2.50        | 5.00            | P | 01/21/2025        | 14:55             | LB134358 |
|                   | Sodium       | 1000             | <1000               | U                    | 500         | 1000            | P | 01/21/2025        | 14:55             | LB134358 |
|                   | Thallium     | 20.0             | <20.0               | U                    | 10.0        | 20.0            | P | 01/21/2025        | 14:55             | LB134358 |
|                   | Vanadium     | 20.0             | <20.0               | U                    | 10.0        | 20.0            | P | 01/21/2025        | 14:55             | LB134358 |
|                   | Zinc         | 20.0             | <20.0               | U                    | 5.00        | 20.0            | P | 01/21/2025        | 14:55             | LB134358 |

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

**Client:** Tetra Tech NUS, Inc. **SDG No.:** Q1122  
**Contract:** TETR06 **Lab Code:** CHEM **Case No.:** Q1122 **SAS No.:** Q1122  
**ICS Source:** EPA **Instrument ID:** P4

| Sample ID | Analyte   | Result<br>ug/L | True Value<br>ug/L | %<br>Recovery | Low<br>Limit<br>(ug/L) | High<br>Limit<br>(ug/L) | Analysis<br>Date | Analysis<br>Time | Run<br>Number |
|-----------|-----------|----------------|--------------------|---------------|------------------------|-------------------------|------------------|------------------|---------------|
| ICSA01    | Aluminum  | 242000         | 255000             | 95            | 216000                 | 294000                  | 01/21/2025       | 12:03            | LB134358      |
|           | Antimony  | -1.90          |                    |               | -50                    | 50                      | 01/21/2025       | 12:03            | LB134358      |
|           | Arsenic   | -1.38          |                    |               | -20                    | 20                      | 01/21/2025       | 12:03            | LB134358      |
|           | Barium    | 1.39           | 6.0                | 23            | -94                    | 106                     | 01/21/2025       | 12:03            | LB134358      |
|           | Beryllium | 1.25           |                    |               | -6                     | 6                       | 01/21/2025       | 12:03            | LB134358      |
|           | Cadmium   | -1.84          | 1.0                | 184           | -5                     | 7                       | 01/21/2025       | 12:03            | LB134358      |
|           | Calcium   | 229000         | 245000             | 94            | 208000                 | 282000                  | 01/21/2025       | 12:03            | LB134358      |
|           | Chromium  | 58.1           | 52.0               | 112           | 42                     | 62                      | 01/21/2025       | 12:03            | LB134358      |
|           | Cobalt    | 1.29           |                    |               | -30                    | 30                      | 01/21/2025       | 12:03            | LB134358      |
|           | Copper    | 1.63           | 2.0                | 82            | -18                    | 22                      | 01/21/2025       | 12:03            | LB134358      |
|           | Iron      | 103000         | 101000             | 102           | 85600                  | 116500                  | 01/21/2025       | 12:03            | LB134358      |
|           | Lead      | 8.78           |                    |               | -12                    | 12                      | 01/21/2025       | 12:03            | LB134358      |
|           | Magnesium | 243000         | 255000             | 95            | 216000                 | 294000                  | 01/21/2025       | 12:03            | LB134358      |
|           | Manganese | 5.90           | 7.0                | 84            | -13                    | 27                      | 01/21/2025       | 12:03            | LB134358      |
|           | Nickel    | 2.86           | 2.0                | 143           | -38                    | 42                      | 01/21/2025       | 12:03            | LB134358      |
|           | Potassium | 65.9           |                    |               | 0                      | 0                       | 01/21/2025       | 12:03            | LB134358      |
|           | Selenium  | -12.5          |                    |               | -20                    | 20                      | 01/21/2025       | 12:03            | LB134358      |
|           | Silver    | 2.40           |                    |               | -10                    | 10                      | 01/21/2025       | 12:03            | LB134358      |
|           | Sodium    | 42.8           |                    |               | 0                      | 0                       | 01/21/2025       | 12:03            | LB134358      |
|           | Thallium  | 13.6           |                    |               | -40                    | 40                      | 01/21/2025       | 12:03            | LB134358      |
|           | Vanadium  | 4.87           |                    |               | -40                    | 40                      | 01/21/2025       | 12:03            | LB134358      |
|           | Zinc      | 3.58           |                    |               | -40                    | 40                      | 01/21/2025       | 12:03            | LB134358      |
| ICSAB01   | Aluminum  | 240000         | 247000             | 97            | 209000                 | 285000                  | 01/21/2025       | 12:08            | LB134358      |
|           | Antimony  | 631            | 618                | 102           | 525                    | 711                     | 01/21/2025       | 12:08            | LB134358      |
|           | Arsenic   | 108            | 104                | 104           | 88.4                   | 120                     | 01/21/2025       | 12:08            | LB134358      |
|           | Barium    | 476            | 537                | 89            | 437                    | 637                     | 01/21/2025       | 12:08            | LB134358      |
|           | Beryllium | 476            | 495                | 96            | 420                    | 570                     | 01/21/2025       | 12:08            | LB134358      |
|           | Cadmium   | 1010           | 972                | 104           | 826                    | 1120                    | 01/21/2025       | 12:08            | LB134358      |
|           | Calcium   | 228000         | 235000             | 97            | 199000                 | 271000                  | 01/21/2025       | 12:08            | LB134358      |
|           | Chromium  | 570            | 542                | 105           | 460                    | 624                     | 01/21/2025       | 12:08            | LB134358      |
|           | Cobalt    | 511            | 476                | 107           | 404                    | 548                     | 01/21/2025       | 12:08            | LB134358      |
|           | Copper    | 497            | 511                | 97            | 434                    | 588                     | 01/21/2025       | 12:08            | LB134358      |
|           | Iron      | 104000         | 99300              | 105           | 84400                  | 114500                  | 01/21/2025       | 12:08            | LB134358      |
|           | Lead      | 56.1           | 49.0               | 114           | 37                     | 61                      | 01/21/2025       | 12:08            | LB134358      |
|           | Magnesium | 242000         | 248000             | 98            | 210000                 | 286000                  | 01/21/2025       | 12:08            | LB134358      |
|           | Manganese | 472            | 507                | 93            | 430                    | 584                     | 01/21/2025       | 12:08            | LB134358      |
|           | Nickel    | 1010           | 954                | 106           | 810                    | 1100                    | 01/21/2025       | 12:08            | LB134358      |
|           | Potassium | 54.5           |                    |               | 0                      | 0                       | 01/21/2025       | 12:08            | LB134358      |
|           | Selenium  | 38.8           | 46.0               | 84            | 26                     | 66                      | 01/21/2025       | 12:08            | LB134358      |
|           | Silver    | 225            | 201                | 112           | 170                    | 232                     | 01/21/2025       | 12:08            | LB134358      |
|           | Sodium    | 38.8           |                    |               | 0                      | 0                       | 01/21/2025       | 12:08            | LB134358      |
|           | Thallium  | 102            | 108                | 94            | 68                     | 148                     | 01/21/2025       | 12:08            | LB134358      |

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

|                                                             |                                                            |
|-------------------------------------------------------------|------------------------------------------------------------|
| <b>Client:</b> <u>Tetra Tech NUS, Inc.</u>                  | <b>SDG No.:</b> <u>Q1122</u>                               |
| <b>Contract:</b> <u>TETR06</u> <b>Lab Code:</b> <u>CHEM</u> | <b>Case No.:</b> <u>Q1122</u> <b>SAS No.:</b> <u>Q1122</u> |
| <b>ICS Source:</b> <u>EPA</u>                               | <b>Instrument ID:</b> <u>P4</u>                            |

| 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 | 471            | 491                | 96            | 417                    | 565                     | 01/21/2025       | 12:08            | LB134358      |
|           | Zinc     | 1070           | 952                | 112           | 809                    | 1095                    | 01/21/2025       | 12:08            | LB134358      |



# METAL QC DATA

A

B

C

D

E

F

G

H

**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>Q1122</u>              |
| <b>contract:</b>                  | <u>TETR06</u>               | <b>lab code:</b>  | <u>CHEM</u>       | <b>case no.:</b>                        | <u>Q1122</u>              |
| <b>matrix:</b>                    | <u>Water</u>                | <b>sample id:</b> | <u>Q1122-02</u>   | <b>client id:</b>                       | <u>RW10A-F-20250116MS</u> |
| <b>Percent Solids for Sample:</b> | <u>NA</u>                   | <b>Spiked ID:</b> | <u>Q1122-02MS</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               | 1540             |   | 696              |   | 1000           | 84            | N    | P |
| Antimony  | ug/L  | 88 - 113               | 377              |   | 25.0             | U | 400            | 94            |      | P |
| Arsenic   | ug/L  | 87 - 113               | 379              |   | 10.0             | U | 400            | 95            |      | P |
| Barium    | ug/L  | 88 - 113               | 94.7             |   | 10.2             | J | 100            | 85            | N    | P |
| Beryllium | ug/L  | 89 - 112               | 85.3             |   | 0.14             | J | 100            | 85            | N    | P |
| Cadmium   | ug/L  | 88 - 113               | 89.6             |   | 3.00             | U | 100            | 90            |      | P |
| Calcium   | ug/L  | 87 - 113               | 9470             |   | 9420             |   | 500            | 9             |      | P |
| Chromium  | ug/L  | 90 - 113               | 190              |   | 5.00             | U | 200            | 95            |      | P |
| Cobalt    | ug/L  | 89 - 114               | 109              |   | 17.4             |   | 100            | 91            |      | P |
| Copper    | ug/L  | 86 - 114               | 158              |   | 18.4             |   | 150            | 93            |      | P |
| Iron      | ug/L  | 87 - 115               | 3400             |   | 2190             |   | 1500           | 81            | N    | P |
| Lead      | ug/L  | 86 - 113               | 442              |   | 6.00             | U | 500            | 88            |      | P |
| Magnesium | ug/L  | 85 - 113               | 4520             |   | 3880             |   | 1000           | 64            | N    | P |
| Manganese | ug/L  | 90 - 114               | 196              |   | 114              |   | 100            | 82            | N    | P |
| Nickel    | ug/L  | 88 - 113               | 246              |   | 18.5             | J | 250            | 91            |      | P |
| Potassium | ug/L  | 86 - 114               | 7480             |   | 3030             |   | 5000           | 89            |      | P |
| Selenium  | ug/L  | 83 - 114               | 904              |   | 10.0             | U | 1000           | 90            |      | P |
| Silver    | ug/L  | 84 - 115               | 34.6             |   | 5.00             | U | 37.5           | 92            |      | P |
| Sodium    | ug/L  | 87 - 115               | 44500            |   | 47700            |   | 1500           | -211          |      | P |
| Thallium  | ug/L  | 85 - 114               | 929              |   | 20.0             | U | 1000           | 93            |      | P |
| Vanadium  | ug/L  | 90 - 111               | 134              |   | 20.0             | U | 150            | 89            | N    | P |
| Zinc      | ug/L  | 87 - 115               | 171              |   | 77.8             |   | 100            | 93            |      | 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>Q1122</u>               |
| <b>contract:</b>                  | <u>TETR06</u>               | <b>lab code:</b>  | <u>CHEM</u>        | <b>case no.:</b>                        | <u>Q1122</u>               |
| <b>matrix:</b>                    | <u>Water</u>                | <b>sample id:</b> | <u>Q1122-02</u>    | <b>client id:</b>                       | <u>RW10A-F-20250116MSD</u> |
| <b>Percent Solids for Sample:</b> | <u>NA</u>                   | <b>Spiked ID:</b> | <u>Q1122-02MSD</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               | 1560          |   | 696              |   | 1000           | 87            |      | P |
| Antimony  | ug/L  | 88 - 113               | 384           |   | 25.0             | U | 400            | 96            |      | P |
| Arsenic   | ug/L  | 87 - 113               | 390           |   | 10.0             | U | 400            | 98            |      | P |
| Barium    | ug/L  | 88 - 113               | 101           |   | 10.2             | J | 100            | 91            |      | P |
| Beryllium | ug/L  | 89 - 112               | 81.8          |   | 0.14             | J | 100            | 82            | N    | P |
| Cadmium   | ug/L  | 88 - 113               | 91.4          |   | 3.00             | U | 100            | 91            |      | P |
| Calcium   | ug/L  | 87 - 113               | 9710          |   | 9420             |   | 500            | 56            |      | P |
| Chromium  | ug/L  | 90 - 113               | 190           |   | 5.00             | U | 200            | 95            |      | P |
| Cobalt    | ug/L  | 89 - 114               | 110           |   | 17.4             |   | 100            | 93            |      | P |
| Copper    | ug/L  | 86 - 114               | 160           |   | 18.4             |   | 150            | 95            |      | P |
| Iron      | ug/L  | 87 - 115               | 3600          |   | 2190             |   | 1500           | 94            |      | P |
| Lead      | ug/L  | 86 - 113               | 450           |   | 6.00             | U | 500            | 90            |      | P |
| Magnesium | ug/L  | 85 - 113               | 4650          |   | 3880             |   | 1000           | 77            | N    | P |
| Manganese | ug/L  | 90 - 114               | 202           |   | 114              |   | 100            | 87            | N    | P |
| Nickel    | ug/L  | 88 - 113               | 251           |   | 18.5             | J | 250            | 93            |      | P |
| Potassium | ug/L  | 86 - 114               | 7910          |   | 3030             |   | 5000           | 98            |      | P |
| Selenium  | ug/L  | 83 - 114               | 930           |   | 10.0             | U | 1000           | 93            |      | P |
| Silver    | ug/L  | 84 - 115               | 34.6          |   | 5.00             | U | 37.5           | 92            |      | P |
| Sodium    | ug/L  | 87 - 115               | 47100         |   | 47700            |   | 1500           | -38           |      | P |
| Thallium  | ug/L  | 85 - 114               | 945           |   | 20.0             | U | 1000           | 94            |      | P |
| Vanadium  | ug/L  | 90 - 111               | 137           |   | 20.0             | U | 150            | 91            |      | P |
| Zinc      | ug/L  | 87 - 115               | 170           |   | 77.8             |   | 100            | 92            |      | 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>Q1122</u>                               |
| <b>contract:</b> <u>TETR06</u>              | <b>lab code:</b> <u>CHEM</u>        | <b>case no.:</b> <u>Q1122</u> <b>sas no.:</b> <u>Q1122</u> |
| <b>matrix:</b> <u>Water</u>                 | <b>sample id:</b> <u>Q1140-01</u>   | <b>client id:</b> <u>FRAC-TANK-F06078MS</u>                |
| <b>Percent Solids for Sample:</b> <u>NA</u> | <b>Spiked ID:</b> <u>Q1140-01MS</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               | 3.78             |   | 0.22             |   | 4.0            | 89            |      | 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>Q1122</u>                               |
| <b>contract:</b> <u>TETR06</u>              | <b>lab code:</b> <u>CHEM</u>         | <b>case no.:</b> <u>Q1122</u> <b>sas no.:</b> <u>Q1122</u> |
| <b>matrix:</b> <u>Water</u>                 | <b>sample id:</b> <u>Q1140-01</u>    | <b>client id:</b> <u>FRAC-TANK-F06078MSD</u>               |
| <b>Percent Solids for Sample:</b> <u>NA</u> | <b>Spiked ID:</b> <u>Q1140-01MSD</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               | 3.74          |   | 0.22             |   | 4.0            | 88            |      | CV |

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

**Client:** Tetra Tech NUS, Inc. **SDG No.:** Q1122

**Contract:** TETR06 **Lab Code:** CHEM **Case No.:** Q1122 **SAS No.:** Q1122

**Matrix:** Water **Level:** LOW **Client ID:** RW10A-F-20250116A

**Sample ID:** Q1122-02 **Spiked ID:** Q1122-02A

| 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               | 1550             |   | 696              |   | 10000          | 9             |      | P |
| Barium    | ug/L  | 88 - 113               | 97.4             |   | 10.2             | J | 100            | 87            |      | P |
| Beryllium | ug/L  | 89 - 112               | 81.6             |   | 0.14             | J | 100            | 81            |      | P |
| Iron      | ug/L  | 87 - 115               | 3520             |   | 2190             |   | 1500           | 89            |      | P |
| Magnesium | ug/L  | 85 - 113               | 4570             |   | 3880             |   | 1000           | 68            |      | P |
| Manganese | ug/L  | 90 - 114               | 197              |   | 114              |   | 100            | 82            |      | P |
| Vanadium  | ug/L  | 90 - 111               | 134              |   | 20.0             | U | 150            | 89            |      | P |

# Metals

- 6 -

## DUPLICATE SAMPLE SUMMARY

**Client:** Tetra Tech NUS, Inc. **Level:** LOW **SDG No.:** Q1122  
**Contract:** TETR06 **Lab Code:** CHEM **Case No.:** Q1122 **SAS No.:** Q1122  
**Matrix:** Water **Sample ID:** Q1122-02 **Client ID:** RW10A-F-20250116DUP  
**Percent Solids for Sample:** NA **Duplicate ID** Q1122-02DUP **Percent Solids for Spike Sample:** NA

| Analyte   | Units | Acceptance Limit | Sample Result | C | Duplicate Result | C | RPD   | Qual | M |
|-----------|-------|------------------|---------------|---|------------------|---|-------|------|---|
| Aluminum  | ug/L  | 20               | 696           |   | 692              |   | 1     |      | 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               | 10.2          | J | 9.27             | J | 10    |      | P |
| Beryllium | ug/L  | 20               | 0.14          | J | 0.13             | J | 7     |      | P |
| Cadmium   | ug/L  | 20               | 3.00          | U | 3.00             | U |       |      | P |
| Calcium   | ug/L  | 20               | 9420          |   | 9380             |   | 0     |      | P |
| Chromium  | ug/L  | 20               | 5.00          | U | 0.69             | J | 200.0 |      | P |
| Cobalt    | ug/L  | 20               | 17.4          |   | 17.4             |   | 0     |      | P |
| Copper    | ug/L  | 20               | 18.4          |   | 18.4             |   | 0     |      | P |
| Iron      | ug/L  | 20               | 2190          |   | 2100             |   | 4     |      | P |
| Lead      | ug/L  | 20               | 6.00          | U | 6.00             | U |       |      | P |
| Magnesium | ug/L  | 20               | 3880          |   | 3870             |   | 0     |      | P |
| Manganese | ug/L  | 20               | 114           |   | 113              |   | 1     |      | P |
| Nickel    | ug/L  | 20               | 18.5          | J | 18.3             | J | 1     |      | P |
| Potassium | ug/L  | 20               | 3030          |   | 2890             |   | 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               | 47700         |   | 45400            |   | 5     |      | P |
| Thallium  | ug/L  | 20               | 20.0          | U | 20.0             | U |       |      | P |
| Vanadium  | ug/L  | 20               | 20.0          | U | 20.0             | U |       |      | P |
| Zinc      | ug/L  | 20               | 77.8          |   | 76.8             |   | 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**

**Client:** Tetra Tech NUS, Inc. **Level:** LOW **SDG No.:** Q1122  
**Contract:** TETR06 **Lab Code:** CHEM **Case No.:** Q1122 **SAS No.:** Q1122  
**Matrix:** Water **Sample ID:** Q1122-02MS **Client ID:** RW10A-F-20250116MSD  
**Percent Solids for Sample:** NA **Duplicate ID** Q1122-02MSD **Percent Solids for Spike Sample:** NA

| Analyte   | Units | Acceptance Limit | Sample Result | C | Duplicate Result | C | RPD | Qual | M |
|-----------|-------|------------------|---------------|---|------------------|---|-----|------|---|
| Aluminum  | ug/L  | 20               | 1540          |   | 1560             |   | 1   |      | P |
| Antimony  | ug/L  | 20               | 377           |   | 384              |   | 2   |      | P |
| Arsenic   | ug/L  | 20               | 379           |   | 390              |   | 3   |      | P |
| Barium    | ug/L  | 20               | 94.7          |   | 101              |   | 6   |      | P |
| Beryllium | ug/L  | 20               | 85.3          |   | 81.8             |   | 4   |      | P |
| Cadmium   | ug/L  | 20               | 89.6          |   | 91.4             |   | 2   |      | P |
| Calcium   | ug/L  | 20               | 9470          |   | 9710             |   | 3   |      | P |
| Chromium  | ug/L  | 20               | 190           |   | 190              |   | 0   |      | P |
| Cobalt    | ug/L  | 20               | 109           |   | 110              |   | 1   |      | P |
| Copper    | ug/L  | 20               | 158           |   | 160              |   | 1   |      | P |
| Iron      | ug/L  | 20               | 3400          |   | 3600             |   | 6   |      | P |
| Lead      | ug/L  | 20               | 442           |   | 450              |   | 2   |      | P |
| Magnesium | ug/L  | 20               | 4520          |   | 4650             |   | 3   |      | P |
| Manganese | ug/L  | 20               | 196           |   | 202              |   | 3   |      | P |
| Nickel    | ug/L  | 20               | 246           |   | 251              |   | 2   |      | P |
| Potassium | ug/L  | 20               | 7480          |   | 7910             |   | 6   |      | P |
| Selenium  | ug/L  | 20               | 904           |   | 930              |   | 3   |      | P |
| Silver    | ug/L  | 20               | 34.6          |   | 34.6             |   | 0   |      | P |
| Sodium    | ug/L  | 20               | 44500         |   | 47100            |   | 6   |      | P |
| Thallium  | ug/L  | 20               | 929           |   | 945              |   | 2   |      | P |
| Vanadium  | ug/L  | 20               | 134           |   | 137              |   | 2   |      | P |
| Zinc      | ug/L  | 20               | 171           |   | 170              |   | 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**

**Client:** Tetra Tech NUS, Inc. **Level:** LOW **SDG No.:** Q1122  
**Contract:** TETR06 **Lab Code:** CHEM **Case No.:** Q1122 **SAS No.:** Q1122  
**Matrix:** Water **Sample ID:** Q1140-01 **Client ID:** FRAC-TANK-F06078DUP  
**Percent Solids for Sample:** NA **Duplicate ID** Q1140-01DUP **Percent Solids for Spike Sample:** NA

| Analyte | Units | Acceptance Limit | Sample Result | C | Duplicate Result | C | RPD | Qual | M  |
|---------|-------|------------------|---------------|---|------------------|---|-----|------|----|
| Mercury | ug/L  | 20               | 0.22          |   | 0.18             | J | 18  |      | 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.:** Q1122  
**Contract:** TETR06 **Lab Code:** CHEM **Case No.:** Q1122 **SAS No.:** Q1122  
**Matrix:** Water **Sample ID:** Q1140-01MS **Client ID:** FRAC-TANK-F06078MSD  
**Percent Solids for Sample:** NA **Duplicate ID** Q1140-01MSD **Percent Solids for Spike Sample:** NA

| Analyte | Units | Acceptance Limit | Sample Result | C | Duplicate Result | C | RPD | Qual | M  |
|---------|-------|------------------|---------------|---|------------------|---|-----|------|----|
| Mercury | ug/L  | 20               | 3.78          |   | 3.74             |   | 1   |      | 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.:** Q1122  
**Contract:** TETR06 **Lab Code:** CHEM **Case No.:** Q1122 **SAS No.:** Q1122

| Analyte    | Units | True Value | Result | C | %<br>Recovery | Acceptance<br>Limits | M |
|------------|-------|------------|--------|---|---------------|----------------------|---|
| PB166153BS |       |            |        |   |               |                      |   |
| Aluminum   | ug/L  | 1000       | 903    |   | 90            | 86 - 115             | P |
| Antimony   | ug/L  | 400        | 381    |   | 95            | 88 - 113             | P |
| Arsenic    | ug/L  | 400        | 385    |   | 96            | 87 - 113             | P |
| Barium     | ug/L  | 100        | 88.3   |   | 88            | 88 - 113             | P |
| Beryllium  | ug/L  | 100        | 90.1   |   | 90            | 89 - 112             | P |
| Cadmium    | ug/L  | 100        | 92.3   |   | 92            | 88 - 113             | P |
| Calcium    | ug/L  | 500        | 479    | J | 96            | 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        | 149    |   | 99            | 86 - 114             | P |
| Iron       | ug/L  | 1500       | 1470   |   | 98            | 87 - 115             | P |
| Lead       | ug/L  | 500        | 464    |   | 93            | 86 - 113             | P |
| Magnesium  | ug/L  | 1000       | 897    | J | 90            | 85 - 113             | P |
| Manganese  | ug/L  | 100        | 92.9   |   | 93            | 90 - 114             | P |
| Nickel     | ug/L  | 250        | 234    |   | 94            | 88 - 113             | P |
| Potassium  | ug/L  | 5000       | 4830   |   | 97            | 86 - 114             | P |
| Selenium   | ug/L  | 1000       | 955    |   | 96            | 83 - 114             | P |
| Silver     | ug/L  | 37.5       | 36.3   |   | 97            | 84 - 115             | P |
| Sodium     | ug/L  | 1500       | 1510   |   | 101           | 87 - 115             | P |
| Thallium   | ug/L  | 1000       | 1020   |   | 102           | 85 - 114             | P |
| Vanadium   | ug/L  | 150        | 136    |   | 91            | 90 - 111             | P |
| Zinc       | ug/L  | 100        | 97.6   |   | 98            | 87 - 115             | P |

**Metals**

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**LABORATORY CONTROL SAMPLE SUMMARY**

**Client:** Tetra Tech NUS, Inc. **SDG No.:** Q1122  
**Contract:** TETR06 **Lab Code:** CHEM **Case No.:** Q1122 **SAS No.:** Q1122

| Analyte               | Units | True Value | Result | C | %<br>Recovery | Acceptance<br>Limits | M  |
|-----------------------|-------|------------|--------|---|---------------|----------------------|----|
| PB166192BS<br>Mercury | ug/L  | 4.0        | 4.02   |   | 100           | 82 - 119             | CV |

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

SAMPLE NO.

RW10A-F-20250116L

Lab Name: Chemtech Consulting Group

Contract: TETR06

Lab Code: CHEM Lb No.: lb134358 Lab Sample ID : Q1122-02L SDG No.: Q1122

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

Concentration Units: ug/L

| Analyte   | Initial Sample Result (I) |   | Serial Dilution Result (S) |   | % Difference | Q | M |
|-----------|---------------------------|---|----------------------------|---|--------------|---|---|
|           |                           | C |                            | C |              |   |   |
| Aluminum  | 696                       |   | 718                        |   | 3            |   | P |
| Antimony  | 25.0                      | U | 125                        | U |              |   | P |
| Arsenic   | 10.0                      | U | 50.0                       | U |              |   | P |
| Barium    | 10.2                      | J | 250                        | U | 100.0        |   | P |
| Beryllium | 0.14                      | J | 15.0                       | U | 100.0        |   | P |
| Cadmium   | 3.00                      | U | 15.0                       | U |              |   | P |
| Calcium   | 9420                      |   | 10100                      |   | 7            |   | P |
| Chromium  | 5.00                      | U | 25.0                       | U |              |   | P |
| Cobalt    | 17.4                      |   | 18.0                       | J | 4            |   | P |
| Copper    | 18.4                      |   | 50.0                       | U | 100.0        |   | P |
| Iron      | 2190                      |   | 2280                       |   | 4            |   | P |
| Lead      | 6.00                      | U | 30.0                       | U |              |   | P |
| Magnesium | 3880                      |   | 4180                       | J | 8            |   | P |
| Manganese | 114                       |   | 122                        |   | 7            |   | P |
| Nickel    | 18.5                      | J | 18.7                       | J | 1            |   | P |
| Potassium | 3030                      |   | 5000                       | U | 100.0        |   | P |
| Selenium  | 10.0                      | U | 50.0                       | U |              |   | P |
| Silver    | 5.00                      | U | 25.0                       | U |              |   | P |
| Sodium    | 47700                     |   | 48900                      |   | 3            |   | P |
| Thallium  | 20.0                      | U | 100                        | U |              |   | P |
| Vanadium  | 20.0                      | U | 100                        | U |              |   | P |
| Zinc      | 77.8                      |   | 78.5                       | J | 1            |   | P |

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

**SAMPLE NO.**

FRAC-TANK-F06078L

**Lab Name:** Chemtech Consulting Group **Contract:** TETR06  
**Lab Code:** CHEM **Lb No.:** lb134375 **Lab Sample ID :** Q1140-01L **SDG No.:** Q1122  
**Matrix (soil/water):** Water **Level (low/med):** LOW  
**Concentration Units:** ug/L

| Analyte | Initial Sample<br>Result (I)<br>C | Serial Dilution<br>Result (S)<br>C | % Differ-<br>ence | Q | M  |
|---------|-----------------------------------|------------------------------------|-------------------|---|----|
| Mercury | 0.22                              | 1.00 U                             | 100.0             |   | CV |



# METAL PREPARATION & INSTRUMENT DATA

**Metals**

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**ICP INTERELEMENT CORRECTION FACTORS**

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

**SDG No.:** Q1122

**Contract:** TETR06

**Lab Code:** CHEM

**Case No.:** Q1122

**SAS No.:** Q1122

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

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

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

| Analyte   | Wave-<br>Length<br>(nm) | ICP Interelement Correction Factors For: |            |            |           |           |
|-----------|-------------------------|------------------------------------------|------------|------------|-----------|-----------|
|           |                         | Al                                       | Ca         | Fe         | Mg        | Ag        |
| 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.:** Q1122

**Contract:** TETR06

**Lab Code:** CHEM

**Case No.:** Q1122

**SAS No.:** Q1122

**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.:** Q1122

**Contract:** TETR06

**Lab Code:** CHEM

**Case No.:** Q1122

**SAS No.:** Q1122

**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**

- 11 -

**ICP INTERELEMENT CORRECTION FACTORS**

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

**SDG No.:** Q1122

**Contract:** TETR06

**Lab Code:** CHEM

**Case No.:** Q1122

**SAS No.:** Q1122

**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.:** Q1122

**Contract:** TETR06

**Lab Code:** CHEM

**Case No.:** Q1122

**SAS No.:** Q1122

**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**  
**- 13 -**

**SAMPLE PREPARATION SUMMARY**

|                  |                             |                  |              |
|------------------|-----------------------------|------------------|--------------|
| <b>Client:</b>   | <u>Tetra Tech NUS, Inc.</u> | <b>SDG No.:</b>  | <u>Q1122</u> |
| <b>Contract:</b> | <u>TETR06</u>               | <b>Lab Code:</b> | <u>CHEM</u>  |
|                  |                             | <b>Method:</b>   | <u></u>      |
|                  |                             | <b>Case No.:</b> | <u>Q1122</u> |
|                  |                             | <b>SAS No.:</b>  | <u>Q1122</u> |

| Sample ID                     | Client ID           | Sample Type | Matrix | Prep Date  | Initial Sample Size(mL) | Final Sample Volume (mL) | Percent Solids |
|-------------------------------|---------------------|-------------|--------|------------|-------------------------|--------------------------|----------------|
| <b>Batch Number: PB166153</b> |                     |             |        |            |                         |                          |                |
| PB166153BL                    | PB166153BL          | MB          | WATER  | 01/21/2025 | 50.0                    | 25.0                     |                |
| PB166153BS                    | PB166153BS          | LCS         | WATER  | 01/21/2025 | 50.0                    | 25.0                     |                |
| Q1122-01                      | RW10A-20250116      | SAM         | WATER  | 01/21/2025 | 50.0                    | 25.0                     |                |
| Q1122-02                      | RW10A-F-20250116    | SAM         | WATER  | 01/21/2025 | 50.0                    | 25.0                     |                |
| Q1122-02DUP                   | RW10A-F-20250116DUP | DUP         | WATER  | 01/21/2025 | 50.0                    | 25.0                     |                |
| Q1122-02MS                    | RW10A-F-20250116MS  | MS          | WATER  | 01/21/2025 | 50.0                    | 25.0                     |                |
| Q1122-02MSD                   | RW10A-F-20250116MSD | MSD         | WATER  | 01/21/2025 | 50.0                    | 25.0                     |                |

**Metals**  
**- 13 -**

**SAMPLE PREPARATION SUMMARY**

|                  |                             |                  |              |
|------------------|-----------------------------|------------------|--------------|
| <b>Client:</b>   | <u>Tetra Tech NUS, Inc.</u> | <b>SDG No.:</b>  | <u>Q1122</u> |
| <b>Contract:</b> | <u>TETR06</u>               | <b>Lab Code:</b> | <u>CHEM</u>  |
|                  |                             | <b>Method:</b>   | <u></u>      |
|                  |                             | <b>Case No.:</b> | <u>Q1122</u> |
|                  |                             | <b>SAS No.:</b>  | <u>Q1122</u> |

| Sample ID                     | Client ID           | Sample Type | Matrix | Prep Date  | Initial Sample Size(mL) | Final Sample Volume (mL) | Percent Solids |
|-------------------------------|---------------------|-------------|--------|------------|-------------------------|--------------------------|----------------|
| <b>Batch Number: PB166192</b> |                     |             |        |            |                         |                          |                |
| PB166192BL                    | PB166192BL          | MB          | WATER  | 01/22/2025 | 30.0                    | 30.0                     |                |
| PB166192BS                    | PB166192BS          | LCS         | WATER  | 01/22/2025 | 30.0                    | 30.0                     |                |
| Q1122-01                      | RW10A-20250116      | SAM         | WATER  | 01/22/2025 | 30.0                    | 30.0                     |                |
| Q1122-02                      | RW10A-F-20250116    | SAM         | WATER  | 01/22/2025 | 30.0                    | 30.0                     |                |
| Q1140-01DUP                   | FRAC-TANK-F06078DUP | DUP         | WATER  | 01/22/2025 | 30.0                    | 30.0                     |                |
| Q1140-01MS                    | FRAC-TANK-F06078MS  | MS          | WATER  | 01/22/2025 | 30.0                    | 30.0                     |                |
| Q1140-01MSD                   | FRAC-TANK-F06078MSD | MSD         | WATER  | 01/22/2025 | 30.0                    | 30.0                     |                |

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

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

**Lab code:** CHEM **Case no.:** Q1122 **Sas no.:** Q1122 **Sdg no.:** Q1122

**Instrument id number:**                      **Method:**                      **Run number:** LB134358

**Start date:** 01/21/2025 **End date:** 01/21/2025

| Lab sample id. | Client Sample Id    | d/f | Time | Parameter list                                                  |
|----------------|---------------------|-----|------|-----------------------------------------------------------------|
| S0             | S0                  | 1   | 1101 | 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   | 1105 | 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   | 1109 | 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   | 1114 | 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   | 1118 | 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   | 1122 | 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   | 1126 | 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   | 1135 | 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   | 1151 | 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   | 1159 | 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   | 1203 | 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   | 1208 | 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   | 1212 | 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   | 1216 | 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   | 1301 | 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   | 1306 | 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   | 1318 | 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   | 1322 | 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   | 1356 | 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   | 1400 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| Q1122-01       | RW10A-20250116      | 1   | 1426 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| Q1122-02       | RW10A-F-20250116    | 1   | 1430 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| Q1122-02DUP    | RW10A-F-20250116DUP | 1   | 1434 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| Q1122-02L      | RW10A-F-20250116L   | 5   | 1439 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| Q1122-02MS     | RW10A-F-20250116MS  | 1   | 1443 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| Q1122-02MSD    | RW10A-F-20250116MSD | 1   | 1447 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| Q1122-02A      | RW10A-F-20250116A   | 1   | 1451 | Al,Ba,Be,Fe,Mg,Mn,V                                             |
| PB166153BL     | PB166153BL          | 1   | 1455 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| PB166153BS     | PB166153BS          | 1   | 1459 | 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   | 1503 | 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   | 1507 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |

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

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

**Lab code:** CHEM **Case no.:** Q1122 **Sas no.:** Q1122 **Sdg no.:** Q1122

**Instrument id number:**                      **Method:**                      **Run number:** LB134375

**Start date:** 01/23/2025 **End date:** 01/23/2025

| Lab sample id. | Client Sample Id    | d/f | Time | Parameter list |
|----------------|---------------------|-----|------|----------------|
| S0             | S0                  | 1   | 0952 | HG             |
| S0.2           | S0.2                | 1   | 0954 | HG             |
| S2.5           | S2.5                | 1   | 0957 | HG             |
| S5             | S5                  | 1   | 0959 | HG             |
| S7.5           | S7.5                | 1   | 1004 | HG             |
| S10            | S10                 | 1   | 1011 | HG             |
| ICV66          | ICV66               | 1   | 1019 | HG             |
| ICB66          | ICB66               | 1   | 1021 | HG             |
| CCV62          | CCV62               | 1   | 1023 | HG             |
| CCB62          | CCB62               | 1   | 1026 | HG             |
| CRA            | CRA                 | 1   | 1028 | HG             |
| PB166192BL     | PB166192BL          | 1   | 1035 | HG             |
| PB166192BS     | PB166192BS          | 1   | 1037 | HG             |
| Q1122-01       | RW10A-20250116      | 1   | 1039 | HG             |
| Q1122-02       | RW10A-F-20250116    | 1   | 1042 | HG             |
| Q1140-01DUP    | FRAC-TANK-F06078DUP | 1   | 1051 | HG             |
| Q1140-01MS     | FRAC-TANK-F06078MS  | 1   | 1053 | HG             |
| CCV63          | CCV63               | 1   | 1056 | HG             |
| CCB63          | CCB63               | 1   | 1058 | HG             |
| Q1140-01MSD    | FRAC-TANK-F06078MSD | 1   | 1100 | HG             |
| Q1140-01L      | FRAC-TANK-F06078L   | 5   | 1105 | HG             |
| CCV64          | CCV64               | 1   | 1110 | HG             |
| CCB64          | CCB64               | 1   | 1112 | HG             |

## LAB CHRONICLE

|                 |                      |                   |                               |
|-----------------|----------------------|-------------------|-------------------------------|
| <b>OrderID:</b> | Q1122                | <b>OrderDate:</b> | 1/17/2025 8:43:00 AM          |
| <b>Client:</b>  | Tetra Tech NUS, Inc. | <b>Project:</b>   | NWIRP Bethpage 112G08005-WE13 |
| <b>Contact:</b> | Ernie Wu             | <b>Location:</b>  | E11,M11                       |

| LabID    | ClientID       | Matrix | Test             | Method   | Sample Date       | Prep Date | Anal Date         | Received |
|----------|----------------|--------|------------------|----------|-------------------|-----------|-------------------|----------|
| Q1122-01 | RW10A-20250116 | Water  |                  |          | 01/16/25<br>10:40 |           |                   | 01/16/25 |
|          |                |        | Alkalinity       | SM2320 B |                   |           | 01/22/25<br>14:28 |          |
|          |                |        | pH               | 9040C    |                   |           | 01/20/25<br>08:45 |          |
|          |                |        | Phosphorus-Total | 365.3    |                   | 01/22/25  | 01/22/25<br>15:06 |          |
|          |                |        | TDS              | SM2540 C |                   |           | 01/17/25<br>12:30 |          |
|          |                |        | TSS              | SM2540 D |                   |           | 01/17/25<br>09:45 |          |



# SAMPLE DATA

## Report of Analysis

|                   |                               |                 |                |
|-------------------|-------------------------------|-----------------|----------------|
| Client:           | Tetra Tech NUS, Inc.          | Date Collected: | 01/16/25 10:40 |
| Project:          | NWIRP Bethpage 112G08005-WE13 | Date Received:  | 01/16/25       |
| Client Sample ID: | RW10A-20250116                | SDG No.:        | Q1122          |
| Lab Sample ID:    | Q1122-01                      | Matrix:         | Water          |
|                   |                               | % Solid:        | 0              |

| Parameter         | Conc. | Qua. | DF | MDL    | LOD   | LOQ / CRQL | Units | Prep Date      | Date Ana.      | Ana Met.     |
|-------------------|-------|------|----|--------|-------|------------|-------|----------------|----------------|--------------|
| Alkalinity        | 1.00  | U    | 1  | 1.00   | 1.00  | 2.00       | mg/L  |                | 01/22/25 14:28 | SM 2320 B-11 |
| pH                | 4.35  | H    | 1  | 0      | 0     | 0          | pH    |                | 01/20/25 08:45 | 9040C        |
| Phosphorus, Total | 0.016 | J    | 1  | 0.0050 | 0.025 | 0.050      | mg/L  | 01/22/25 13:00 | 01/22/25 15:06 | 365.3        |
| TDS               | 232   |      | 1  | 1.00   | 10.0  | 10.0       | mg/L  |                | 01/17/25 12:30 | SM 2540 C-15 |
| TSS               | 3.10  | J    | 1  | 1.00   | 4.00  | 4.00       | mg/L  |                | 01/17/25 09:45 | SM 2540 D-15 |

Comments: pH result reported at temperature 20.6 °C

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

D = Dilution

Q = indicates LCS control criteria did not meet requirements

H = Sample Analysis Out Of Hold Time

J = Estimated Value

B = Analyte Found in Associated Method Blank

\* = indicates the duplicate analysis is not within control limits.

E = Indicates the reported value is estimated because of the presence of interference.

OR = Over Range

N =Spiked sample recovery not within control limits



# QC RESULT SUMMARY

## Initial and Continuing Calibration Verification

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

**SDG No.:** Q1122

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

**RunNo.:** LB134337

| Analyte                      | Units | Result | True Value | % Recovery | Acceptance Window (%R) | Analysis Date |
|------------------------------|-------|--------|------------|------------|------------------------|---------------|
| Sample ID: <b>ICV</b><br>pH  | pH    | 7.01   | 7          | 100        | 90-110                 | 01/20/2025    |
| Sample ID: <b>CCV1</b><br>pH | pH    | 2.01   | 2.00       | 101        | 90-110                 | 01/20/2025    |
| Sample ID: <b>CCV2</b><br>pH | pH    | 12.02  | 12.00      | 100        | 90-110                 | 01/20/2025    |

## Initial and Continuing Calibration Verification

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

**SDG No.:** Q1122

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

**RunNo.:** LB134369

| Analyte                                     | Units | Result | True Value | %<br>Recovery | Acceptance<br>Window (%R) | Analysis<br>Date |
|---------------------------------------------|-------|--------|------------|---------------|---------------------------|------------------|
| Sample ID: <b>ICV</b><br>Phosphorus, Total  | mg/L  | 0.482  | 0.50       | 96            | 90-110                    | 01/22/2025       |
| Sample ID: <b>CCV1</b><br>Phosphorus, Total | mg/L  | 0.490  | 0.50       | 98            | 90-110                    | 01/22/2025       |
| Sample ID: <b>CCV2</b><br>Phosphorus, Total | mg/L  | 0.490  | 0.50       | 98            | 90-110                    | 01/22/2025       |

### Initial and Continuing Calibration Blank Summary

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

**SDG No.:** Q1122

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

**RunNo.:** LB134369

| Analyte                                     | Units | Result | Acceptance Limits | Conc Qual | MDL    | RDL  | Analysis Date |
|---------------------------------------------|-------|--------|-------------------|-----------|--------|------|---------------|
| Sample ID: <b>ICB</b><br>Phosphorus, Total  | mg/L  | 0.008  | 0.0250            | J         | 0.0047 | 0.05 | 01/22/2025    |
| Sample ID: <b>CCB1</b><br>Phosphorus, Total | mg/L  | 0.008  | 0.0250            | J         | 0.0047 | 0.05 | 01/22/2025    |
| Sample ID: <b>CCB2</b><br>Phosphorus, Total | mg/L  | 0.008  | 0.0250            | J         | 0.0047 | 0.05 | 01/22/2025    |

## Preparation Blank Summary

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

**SDG No.:** Q1122

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

| Analyte                                           | Units | Result   | Acceptance Limits | Conc Qual | MDL   | RDL  | Analysis Date |
|---------------------------------------------------|-------|----------|-------------------|-----------|-------|------|---------------|
| Sample ID: <b>LB134326BL</b><br>TDS               | mg/L  | < 5.0000 | 5.0000            | U         | 1.0   | 10   | 01/17/2025    |
| Sample ID: <b>LB134342BL</b><br>TSS               | mg/L  | < 2.0000 | 2.0000            | U         | 1     | 4    | 01/17/2025    |
| Sample ID: <b>LB134367BL</b><br>Alkalinity        | mg/L  | < 1.0000 | 1.0000            | U         | 1     | 2    | 01/22/2025    |
| Sample ID: <b>PB166181BL</b><br>Phosphorus, Total | mg/L  | 0.008    | 0.0250            | J         | 0.005 | 0.05 | 01/22/2025    |

## Matrix Spike Summary

|                   |                               |                                         |          |
|-------------------|-------------------------------|-----------------------------------------|----------|
| <b>Client:</b>    | Tetra Tech NUS, Inc.          | <b>SDG No.:</b>                         | Q1122    |
| <b>Project:</b>   | NWIRP Bethpage 112G08005-WE13 | <b>Sample ID:</b>                       | Q1122-01 |
| <b>Client ID:</b> | RW10A-20250116MS              | <b>Percent Solids for Spike Sample:</b> | 0        |

| Analyte           | Units | Acceptance<br>Limit %R | Spiked<br>Result | Conc.<br>Qualifier | Sample<br>Result | Conc.<br>Qualifier | Spike<br>Added | Dilution<br>Factor | %<br>Rec | Qual | Analysis<br>Date |
|-------------------|-------|------------------------|------------------|--------------------|------------------|--------------------|----------------|--------------------|----------|------|------------------|
| Phosphorus, Total | mg/L  | 90-110                 | 0.48             |                    | 0.016            | J                  | 0.5            | 1                  | 93       |      | 01/22/2025       |

## Matrix Spike Summary

|                   |                               |                                         |          |
|-------------------|-------------------------------|-----------------------------------------|----------|
| <b>Client:</b>    | Tetra Tech NUS, Inc.          | <b>SDG No.:</b>                         | Q1122    |
| <b>Project:</b>   | NWIRP Bethpage 112G08005-WE13 | <b>Sample ID:</b>                       | Q1122-01 |
| <b>Client ID:</b> | RW10A-20250116MSD             | <b>Percent Solids for Spike Sample:</b> | 0        |

| Analyte           | Units | Acceptance<br>Limit %R | Spiked<br>Result | Conc.<br>Qualifier | Sample<br>Result | Conc.<br>Qualifier | Spike<br>Added | Dilution<br>Factor | %<br>Rec | Qual | Analysis<br>Date |
|-------------------|-------|------------------------|------------------|--------------------|------------------|--------------------|----------------|--------------------|----------|------|------------------|
| Phosphorus, Total | mg/L  | 90-110                 | 0.48             |                    | 0.016            | J                  | 0.5            | 1                  | 93       |      | 01/22/2025       |

## Duplicate Sample Summary

|                                                                                                                                 |                                                                                                  |
|---------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|
| <b>Client:</b> Tetra Tech NUS, Inc.<br><b>Project:</b> NWIRP Bethpage 112G08005-WE13<br><b>Client ID:</b> DRAIN WATER TANK-1DUP | <b>SDG No.:</b> Q1122<br><b>Sample ID:</b> Q1111-01<br><b>Percent Solids for Spike Sample:</b> 0 |
|---------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|

| Analyte | Units | Acceptance Limit | Sample Result | Conc. Qualifier | Duplicate Result | Conc. Qualifier | Dilution Factor | RPD/AD | Qual | Analysis Date |
|---------|-------|------------------|---------------|-----------------|------------------|-----------------|-----------------|--------|------|---------------|
| TSS     | mg/L  | +/-5             | 290           |                 | 294              |                 | 1               | 1.37   |      | 01/17/2025    |

## Duplicate Sample Summary

|                   |                               |                                         |          |
|-------------------|-------------------------------|-----------------------------------------|----------|
| <b>Client:</b>    | Tetra Tech NUS, Inc.          | <b>SDG No.:</b>                         | Q1122    |
| <b>Project:</b>   | NWIRP Bethpage 112G08005-WE13 | <b>Sample ID:</b>                       | Q1122-01 |
| <b>Client ID:</b> | RW10A-20250116DUP             | <b>Percent Solids for Spike Sample:</b> | 0        |

| Analyte           | Units | Acceptance Limit | Sample Result | Conc. Qualifier | Duplicate Result | Conc. Qualifier | Dilution Factor | RPD/AD | Qual | Analysis Date |
|-------------------|-------|------------------|---------------|-----------------|------------------|-----------------|-----------------|--------|------|---------------|
| TDS               | mg/L  | +/-5             | 232           |                 | 230              |                 | 1               | 0.87   |      | 01/17/2025    |
| pH                | pH    | +/-20            | 4.35          |                 | 4.36             |                 | 1               | 0.23   |      | 01/20/2025    |
| Alkalinity        | mg/L  | +/-20            | 1.00          | U               | 1.00             | U               | 1               | 0      |      | 01/22/2025    |
| Phosphorus, Total | mg/L  | +/-20            | 0.016         | J               | 0.017            | J               | 1               | 6.06   |      | 01/22/2025    |

## Duplicate Sample Summary

|                   |                               |                                         |          |
|-------------------|-------------------------------|-----------------------------------------|----------|
| <b>Client:</b>    | Tetra Tech NUS, Inc.          | <b>SDG No.:</b>                         | Q1122    |
| <b>Project:</b>   | NWIRP Bethpage 112G08005-WE13 | <b>Sample ID:</b>                       | Q1122-01 |
| <b>Client ID:</b> | RW10A-20250116MSD             | <b>Percent Solids for Spike Sample:</b> | 0        |

| Analyte           | Units | Acceptance Limit | Sample Result | Conc. Qualifier | Duplicate Result | Conc. Qualifier | Dilution Factor | RPD/AD | Qual | Analysis Date |
|-------------------|-------|------------------|---------------|-----------------|------------------|-----------------|-----------------|--------|------|---------------|
| Phosphorus, Total | mg/L  | +/-20            | 0.48          |                 | 0.48             |                 | 1               | 0.62   |      | 01/22/2025    |

## Laboratory Control Sample Summary

|                 |                               |                 |          |
|-----------------|-------------------------------|-----------------|----------|
| <b>Client:</b>  | Tetra Tech NUS, Inc.          | <b>SDG No.:</b> | Q1122    |
| <b>Project:</b> | NWIRP Bethpage 112G08005-WE13 | <b>Run No.:</b> | LB134326 |

| Analyte   | Units      | True Value | Result | Conc. Qualifier | % Recovery | Dilution Factor | Acceptance Limit %R | Analysis Date |
|-----------|------------|------------|--------|-----------------|------------|-----------------|---------------------|---------------|
| Sample ID | LB134326BS |            |        |                 |            |                 |                     |               |
| TDS       | mg/L       | 100        | 94.0   |                 | 94         | 1               | 90-110              | 01/17/2025    |

### Laboratory Control Sample Summary

|                 |                               |                 |          |
|-----------------|-------------------------------|-----------------|----------|
| <b>Client:</b>  | Tetra Tech NUS, Inc.          | <b>SDG No.:</b> | Q1122    |
| <b>Project:</b> | NWIRP Bethpage 112G08005-WE13 | <b>Run No.:</b> | LB134342 |

| Analyte   | Units      | True Value | Result | Conc. Qualifier | % Recovery | Dilution Factor | Acceptance Limit %R | Analysis Date |
|-----------|------------|------------|--------|-----------------|------------|-----------------|---------------------|---------------|
| Sample ID | LB134342BS |            |        |                 |            |                 |                     |               |
| TSS       | mg/L       | 550        | 520    |                 | 94         | 1               | 90-110              | 01/17/2025    |

### Laboratory Control Sample Summary

|                 |                               |                 |          |
|-----------------|-------------------------------|-----------------|----------|
| <b>Client:</b>  | Tetra Tech NUS, Inc.          | <b>SDG No.:</b> | Q1122    |
| <b>Project:</b> | NWIRP Bethpage 112G08005-WE13 | <b>Run No.:</b> | LB134367 |

| Analyte    | Units      | True Value | Result | Conc. Qualifier | % Recovery | Dilution Factor | Acceptance Limit %R | Analysis Date |
|------------|------------|------------|--------|-----------------|------------|-----------------|---------------------|---------------|
| Sample ID  | LB134367BS |            |        |                 |            |                 |                     |               |
| Alkalinity | mg/L       | 50         | 50.4   |                 | 101        | 1               | 80-120              | 01/22/2025    |

## Laboratory Control Sample Summary

|                 |                               |                 |          |
|-----------------|-------------------------------|-----------------|----------|
| <b>Client:</b>  | Tetra Tech NUS, Inc.          | <b>SDG No.:</b> | Q1122    |
| <b>Project:</b> | NWIRP Bethpage 112G08005-WE13 | <b>Run No.:</b> | LB134369 |

| Analyte           | Units      | True Value | Result | Conc. Qualifier | % Recovery | Dilution Factor | Acceptance Limit %R | Analysis Date |
|-------------------|------------|------------|--------|-----------------|------------|-----------------|---------------------|---------------|
| Sample ID         | PB166181BS |            |        |                 |            |                 |                     |               |
| Phosphorus, Total | mg/L       | 0.50       | 0.49   |                 | 98         | 1               | 90-110              | 01/22/2025    |



# SHIPPING DOCUMENTS

# CHEMTECH

## CHAIN OF CUSTODY RECORD

284 Sheffield Street, Mountainside, NJ 07092  
(908) 789-8900 • Fax (908) 789-8922  
www.chemtech.net

CHEMTECH PROJECT NO. **Q1122**  
QUOTE NO.  
COC Number **2041596**

10  
10.1

### CLIENT INFORMATION

REPORT TO BE SENT TO:  
COMPANY: Tetra Tech Inc.  
ADDRESS: 4433 Corporation Lane Suite 300  
CITY: Virginia Beach STATE: VA ZIP: 23462  
ATTENTION: Ernie Wu  
PHONE: 757-466-4901 FAX:

### CLIENT PROJECT INFORMATION

PROJECT NAME: NWIRP Beth page  
PROJECT NO.: 112608005-WE13 LOCATION: Bethpage, NY  
PROJECT MANAGER: Ernie Wu  
e-mail: ernie.wu@tetra-tech.com  
PHONE: 757-466-4901 FAX:

### CLIENT BILLING INFORMATION

BILL TO: See Contract PO#:  
ADDRESS:  
CITY STATE: ZIP:  
ATTENTION: PHONE:

### ANALYSIS

### DATA TURNAROUND INFORMATION

FAX (RUSH) DAYS\*  
HARDCOPY (DATA PACKAGE): Standard TAT DAYS\*  
EDD: Standard TAT DAYS\*  
\*TO BE APPROVED BY CHEMTECH  
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS DAYS

### DATA DELIVERABLE INFORMATION

☐ Level 1 (Results Only) ☐ Level 4 (QC + Full Raw Data)  
☐ Level 2 (Results + QC) ☐ NJ Reduced ☐ US EPA CLP  
☐ Level 3 (Results + QC) ☐ NYS ASP A ☐ NYS ASP B  
+ Raw Data ☒ Other See Contract  
☐ EDD FORMAT

1. TAL Metals  
2. Filtered Metals  
3. TCL SVOCs  
4. PCB/Pesticides  
5. PH  
6. Total Phosphorus  
7. TSS  
8. TDS  
9. Alkalinity

| CHEMTECH<br>SAMPLE<br>ID | PROJECT<br>SAMPLE IDENTIFICATION | SAMPLE<br>MATRIX | SAMPLE<br>TYPE |      | SAMPLE<br>COLLECTION |      | # OF BOTTLES | PRESERVATIVES |     |   |   |   |     |   |   |   | COMMENTS       |
|--------------------------|----------------------------------|------------------|----------------|------|----------------------|------|--------------|---------------|-----|---|---|---|-----|---|---|---|----------------|
|                          |                                  |                  | COMP           | GRAB | DATE                 | TIME |              | B/E           | B/E | E | E | E | C/E | E | E | E |                |
| 1.                       | RW10A - 20250116                 | G-W              |                | X    | 1-16-25              | 1040 | 8            | 1             |     | 1 | 1 | 1 | 1   | 1 | 1 | 1 |                |
| 2.                       | RW10A - F - 20250116             | G-W              |                | X    | 1-16-25              | 1040 | 1            |               | 1   |   |   |   |     |   |   |   | Field Filtered |
| 3.                       |                                  |                  |                |      |                      |      |              |               |     |   |   |   |     |   |   |   |                |
| 4.                       |                                  |                  |                |      |                      |      |              |               |     |   |   |   |     |   |   |   |                |
| 5.                       |                                  |                  |                |      |                      |      |              |               |     |   |   |   |     |   |   |   |                |
| 6.                       |                                  |                  |                |      |                      |      |              |               |     |   |   |   |     |   |   |   |                |
| 7.                       |                                  |                  |                |      |                      |      |              |               |     |   |   |   |     |   |   |   |                |
| 8.                       |                                  |                  |                |      |                      |      |              |               |     |   |   |   |     |   |   |   |                |
| 9.                       |                                  |                  |                |      |                      |      |              |               |     |   |   |   |     |   |   |   |                |
| 10.                      |                                  |                  |                |      |                      |      |              |               |     |   |   |   |     |   |   |   |                |

### SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

|                                                   |                                   |                                                                     |                                                                                                                                                                           |
|---------------------------------------------------|-----------------------------------|---------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| RELINQUISHED BY SAMPLER:<br>1. <u>[Signature]</u> | DATE/TIME:<br><u>1-16-25/1530</u> | RECEIVED BY:<br>1. <u>[Signature]</u> <u>1530</u><br><u>1-16-25</u> | Conditions of bottles or coolers at receipt: <input type="checkbox"/> COMPLIANT <input type="checkbox"/> NON COMPLIANT <input type="checkbox"/> COOLER TEMP <u>2.7</u> °C |
| RELINQUISHED BY SAMPLER:<br>2. <u>[Signature]</u> | DATE/TIME:                        | RECEIVED BY:<br>2. <u>[Signature]</u>                               | Comments:                                                                                                                                                                 |
| RELINQUISHED BY SAMPLER:<br>3. <u>[Signature]</u> | DATE/TIME: <u>1-16-25</u>         | RECEIVED BY:<br>3. <u>[Signature]</u>                               |                                                                                                                                                                           |

Page 1 of 2

CLIENT: ☐ Hand Delivered ☐ Other  
CHEMTECH: ☒ Picked Up ☐ Field Sampling

Shipment Complete  
☐ YES ☐ NO

Q1122

WHITE - CHEMTECH COPY FOR RETURN TO CLIENT

205 of 209

YELLOW - CHEMTECH COPY

PINK - SAMPLER COPY

---

**From:** Kiran Saleem <Kiran.Saleem@alliancetg.com>  
**Sent:** Friday, January 17, 2025 10:32 AM  
**Subject:** Re: NWIRP BethPage - Q1122

10  
10.2

Jake,

Got it, thank you!

As we discussed on the phone, we have one 1-liter amber container for PCB/Pesticides. We will divide the volume for each test.

*Thank you!*

**NOTE:** Chemtech is now an Alliance Technical Group company. Please add [AllianceTG.com](https://www.alliancetg.com) to your safe senders list to ensure receipt of important emails.

Regards,



**Kiran Saleem**  
**Project Manager**  
**Alliance Technical Group**  
**Main:** 908-789-8900  
**Direct:** 908-728-3148  
**Address:** 284 Sheffield St, Ste 1, Mountainside, NJ 07092  
[www.alliancetg.com](https://www.alliancetg.com)

---

**From:** Kiran Saleem <Kiran.Saleem@alliancetg.com>  
**Sent:** Friday, January 17, 2025 9:33 AM  
**To:** Wu, Ernie <Ernie.Wu@tetrattech.com>; Jake.Marlow@tetrattech.com <Jake.Marlow@tetrattech.com>  
**Cc:** Yazmeen Gomez <Yazmeen.Gomez@alliancetg.com>  
**Subject:** NWIRP BethPage - Q1122

Good Morning Jake,

Can you please share the compounds list that need to be analyzed under pesticides for attached COC?

Let me know.

Thanks.

**NOTE:** Chemtech is now an Alliance Technical Group company. Please add [AllianceTG.com](https://www.alliancetg.com) to your safe senders list to ensure receipt of important emails.

Regards,



**Kiran Saleem**  
**Project Manager**  
**Alliance Technical Group**  
**Main:** 908-789-8900  
**Direct:** 908-728-3148  
**Address:** 284 Sheffield St, Ste 1, Mountainside, NJ 07092  
[www.alliancetg.com](http://www.alliancetg.com)

10

10.2

**From:** Marlow, Jake <Jake.Marlow@tetrattech.com>  
**Sent:** Monday, January 20, 2025 9:27 AM  
**Subject:** RE: Q1122 - NWIRP Bethpage 112G08005-WE13

10  
10.2

EXTERNAL EMAIL - This email was sent by a person from outside your organization. Exercise caution when clicking links, opening attachments or taking further action, before validating its authenticity.

Secured by Check Point

Hi Kiran,

Yes that is a mistake, the collection date should be 1-16-25.

Thank you,  
Jake

---

**From:** Kiran Saleem <Kiran.Saleem@alliancetg.com>  
**Sent:** Monday, January 20, 2025 9:00 AM  
**To:** Marlow, Jake <Jake.Marlow@tetrattech.com>  
**Cc:** Wu, Ernie <Ernie.Wu@tetrattech.com>  
**Subject:** Q1122 - NWIRP Bethpage 112G08005-WE13

⚠ **CAUTION:** This email originated from an external sender. Verify the source before opening links or attachments.  
⚠

Good Morning Ernie,

I am reaching out regarding the samples collection date. It could be a mistake; the COC collection date says 1-16-24 while the relinquished date says 1-16-25. Please confirm the collection date. Please find attached COC.

Thank you!

**NOTE:** Chemtech is now an Alliance Technical Group company. Please add [AllianceTG.com](https://www.alliancetg.com) to your safe senders list to ensure receipt of important emails.

Regards,



**Kiran Saleem**  
**Project Manager**  
**Alliance Technical Group**  
**Main:** 908-789-8900  
**Direct:** 908-728-3148  
**Address:** 284 Sheffield St, Ste 1, Mountainside, NJ 07092  
[www.alliancetg.com](https://www.alliancetg.com)

**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       |