

ANALYTICAL RESULTS SUMMARY

GENERAL CHEMISTRY

PROJECT NAME : NWIRP BETHPAGE 112G08005-WE13

TETRA TECH NUS, INC.

661 Andersen Drive

Suite 200

Pittsburgh, PA - 15220-2745

Phone No: 412-921-7090

ORDER ID : Q2536

ATTENTION : Ernie Wu



Laboratory Certification ID # 20012



1) Signature Page	3
2) Case Narrative	4
2.1) Genchem- Case Narrative	4
3) Qualifier Page	6
4) QA Checklist	7
5) Genchem Data	8
6) Shipping Document	55
6.1) CHAIN OF CUSTODY	56
6.2) Lab Certificate	59

Cover Page

Order ID : Q2536

Project ID : NWIRP Bethpage 112G08005-WE13

Client : Tetra Tech NUS, Inc.

Lab Sample Number

Q2536-01
Q2536-02
Q2536-03

Client Sample Number

RW5-SP100-20250708
RW7-SP100-20250708
RW8-SP100-20250708

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

Signature :

APPROVED

By Nimisha Pandya, QA/QC Supervisor at 9:47 am, Jul 21, 2025

Date: 7/18/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

CASE NARRATIVE

Tetra Tech NUS, Inc.

Project Name: NWIRP Bethpage 112G08005-WE13

Project Manager : Ernie Wu

Order ID # Q2536

Test Name: Alkalinity,Ammonia,Anions Group1,BOD5,COD,Cyanide,Phosphorus-Total,Sulfide,TOC

A. Number of Samples and Date of Receipt:

3 Water samples were received on 07/09/2025.

B. Parameters:

According to the Chain of Custody document, the following analyses were requested: Alkalinity, Ammonia, Anions Group1, BOD5, COD, Cyanide, Phosphorus-Total, Sulfide, TOC. This data package contains results for Alkalinity, Ammonia, Anions Group1, BOD5, COD, Cyanide, Phosphorus-Total, Sulfide, and TOC.

C. Analytical Techniques:

The analysis of Anions Group1 was based on method 300.0, The analysis of Phosphorus-Total was based on method 365.3, The analysis of Cyanide was based on method 9012B, The analysis of Sulfide was based on method 9034, The analysis of TOC was based on method 9060A, The analysis of Alkalinity was based on method SM2320 B, The analysis of Ammonia was based on method SM4500-NH3, The analysis of BOD5 was based on method SM5210 B and The analysis of COD was based on method SM5220 D.

D. QA/ QC Samples:

The Holding Times were met for all analysis.

Sample RW5-SP100-20250708 was diluted due to high concentrations for Chloride &

Sample RW8-SP100-20250708 was diluted due to high concentrations for Chloride.

The Blank Spike met requirements for all compounds.

The Duplicate analysis met criteria for all compounds.

The Matrix Spike analysis met criteria for all compounds.

The Matrix Spike Duplicate analysis met criteria for all compounds.

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

The Calibration met the requirements.

E. Additional Comments:

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



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

Signature_____

APPROVED

By Nimisha Pandya, QA/QC Supervisor at 9:48 am, Jul 21, 2025

DATA REPORTING QUALIFIERS- INORGANIC

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

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

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q2536

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: 07/18/2025

LAB CHRONICLE

OrderID:	Q2536	OrderDate:	7/9/2025 10:41:00 AM
Client:	Tetra Tech NUS, Inc.	Project:	NWIRP Bethpage 112G08005-WE13
Contact:	Ernie Wu	Location:	O21

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2536-01	RW5-SP100-20250708	Water			07/08/25 10:45			07/09/25
			Alkalinity	SM2320 B			07/10/25 13:20	
			Ammonia	SM4500-NH3		07/14/25	07/14/25 12:03	
			Anions Group1	300.0			07/09/25 13:09	
			BOD5	SM5210 B			07/09/25 16:40	
			COD	SM5220 D			07/15/25 12:13	
			Cyanide	9012B		07/10/25	07/11/25 09:54	
			Phosphorus-Total	365.3		07/09/25	07/09/25 14:24	
			Sulfide	9034		07/10/25	07/10/25 13:26	
			TOC	9060A			07/10/25 12:12	
Q2536-01DL	RW5-SP100-20250708DL	WATER			07/08/25 10:45			07/09/25
			Anions Group1	300.0			07/09/25 14:57	
Q2536-02	RW7-SP100-20250708	Water			07/08/25 12:15			07/09/25
			Alkalinity	SM2320 B			07/10/25 13:30	
			Ammonia	SM4500-NH3		07/14/25	07/14/25 12:03	

LAB CHRONICLE

Anions Group1	300.0		07/09/25 13:31
BOD5	SM5210 B		07/09/25 16:40
COD	SM5220 D		07/15/25 12:13
Cyanide	9012B	07/10/25	07/11/25 10:00
Phosphorus-Total	365.3	07/09/25	07/09/25 14:25
Sulfide	9034	07/10/25	07/10/25 13:38
TOC	9060A		07/10/25 13:24

Q2536-03 RW8-SP100-2025070 Water 07/08/25 07/09/25
8 13:05

Alkalinity	SM2320 B		07/10/25 13:35
Ammonia	SM4500-NH3	07/14/25	07/14/25 12:03
Anions Group1	300.0		07/09/25 13:52
BOD5	SM5210 B		07/09/25 16:40
COD	SM5220 D		07/15/25 12:14
Cyanide	9012B	07/10/25	07/11/25 10:00
Phosphorus-Total	365.3	07/09/25	07/09/25 14:26
Sulfide	9034	07/10/25	07/10/25 13:41
TOC	9060A		07/10/25 13:48

Q2536-03DL RW8-SP100-2025070 WATER 07/08/25 07/09/25
8DL 13:05

Anions Group1	300.0		07/09/25 15:19
---------------	-------	--	-------------------



SAMPLE DATA

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	07/08/25 10:45
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	07/09/25
Client Sample ID:	RW5-SP100-20250708	SDG No.:	Q2536
Lab Sample ID:	Q2536-01	Matrix:	Water
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Alkalinity	4.40		1	1.00	1.00	2.00	mg/L		07/10/25 13:20	SM 2320 B-21
Ammonia as N	0.080	U	1	0.030	0.080	0.10	mg/L	07/14/25 08:45	07/14/25 12:03	SM 4500-NH3 B plus G-21
Chloride	10.4	OR	1	0.19	0.30	0.60	mg/L		07/09/25 13:09	300.0
Sulfate	2.40	J	1	0.46	1.50	3.00	mg/L		07/09/25 13:09	300.0
BOD5	2.00	U	1	0.20	2.00	2.00	mg/L		07/09/25 16:40	SM 5210 B-16
COD	5.00	U	1	1.50	5.00	10.0	mg/L		07/15/25 12:13	SM 5220 D-11
Cyanide	0.0025	U	1	0.00096	0.0025	0.0050	mg/L	07/10/25 15:00	07/11/25 09:54	9012B
Phosphorus, Total	0.013	J	1	0.0050	0.025	0.050	mg/L	07/09/25 11:30	07/09/25 14:24	365.3
Sulfide	0.50	U	1	0.43	0.50	1.00	mg/L	07/10/25 08:40	07/10/25 13:26	9034
TOC	0.54	J	1	0.40	0.50	1.00	mg/L		07/10/25 12:12	9060A

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

D = Dilution

Q = indicates LCS control criteria did not meet requirements

H = Sample Analysis Out Of Hold Time

J = Estimated Value

B = Analyte Found in Associated Method Blank

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

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

OR = Over Range

N = Spiked sample recovery not within control limits

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	07/08/25 10:45
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	07/09/25
Client Sample ID:	RW5-SP100-20250708DL	SDG No.:	Q2536
Lab Sample ID:	Q2536-01DL	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Chloride	10.0	D	5	0.95	1.50	3.00	mg/L		07/09/25 14:57	300.0

Comments: _____

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

D = Dilution

Q = indicates LCS control criteria did not meet requirements

H = Sample Analysis Out Of Hold Time

J = Estimated Value

B = Analyte Found in Associated Method Blank

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

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

OR = Over Range

N =Spiked sample recovery not within control limits

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	07/08/25 12:15
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	07/09/25
Client Sample ID:	RW7-SP100-20250708	SDG No.:	Q2536
Lab Sample ID:	Q2536-02	Matrix:	Water
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Alkalinity	1.80	J	1	1.00	1.00	2.00	mg/L		07/10/25 13:30	SM 2320 B-21
Ammonia as N	0.080	U	1	0.030	0.080	0.10	mg/L	07/14/25 08:45	07/14/25 12:03	SM 4500-NH3 B plus G-21
Chloride	7.40		1	0.19	0.30	0.60	mg/L		07/09/25 13:31	300.0
Sulfate	1.40	J	1	0.46	1.50	3.00	mg/L		07/09/25 13:31	300.0
BOD5	2.00	U	1	0.20	2.00	2.00	mg/L		07/09/25 16:40	SM 5210 B-16
COD	5.00	U	1	1.50	5.00	10.0	mg/L		07/15/25 12:13	SM 5220 D-11
Cyanide	0.0025	U	1	0.00096	0.0025	0.0050	mg/L	07/10/25 15:00	07/11/25 10:00	9012B
Phosphorus, Total	0.010	J	1	0.0050	0.025	0.050	mg/L	07/09/25 11:30	07/09/25 14:25	365.3
Sulfide	0.50	U	1	0.43	0.50	1.00	mg/L	07/10/25 08:40	07/10/25 13:38	9034
TOC	0.45	J	1	0.40	0.50	1.00	mg/L		07/10/25 13:24	9060A

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

D = Dilution

Q = indicates LCS control criteria did not meet requirements

H = Sample Analysis Out Of Hold Time

J = Estimated Value

B = Analyte Found in Associated Method Blank

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

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

OR = Over Range

N = Spiked sample recovery not within control limits

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	07/08/25 13:05
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	07/09/25
Client Sample ID:	RW8-SP100-20250708	SDG No.:	Q2536
Lab Sample ID:	Q2536-03	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		07/10/25 13:35	SM 2320 B-21
Ammonia as N	0.080	U	1	0.030	0.080	0.10	mg/L	07/14/25 08:45	07/14/25 12:03	SM 4500-NH3 B plus G-21
Chloride	11.5	OR	1	0.19	0.30	0.60	mg/L		07/09/25 13:52	300.0
Sulfate	8.70		1	0.46	1.50	3.00	mg/L		07/09/25 13:52	300.0
BOD5	2.00	U	1	0.20	2.00	2.00	mg/L		07/09/25 16:40	SM 5210 B-16
COD	5.00	U	1	1.50	5.00	10.0	mg/L		07/15/25 12:14	SM 5220 D-11
Cyanide	0.0025	U	1	0.00096	0.0025	0.0050	mg/L	07/10/25 15:00	07/11/25 10:00	9012B
Phosphorus, Total	0.010	J	1	0.0050	0.025	0.050	mg/L	07/09/25 11:30	07/09/25 14:26	365.3
Sulfide	0.50	U	1	0.43	0.50	1.00	mg/L	07/10/25 08:40	07/10/25 13:41	9034
TOC	0.45	J	1	0.40	0.50	1.00	mg/L		07/10/25 13:48	9060A

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

D = Dilution

Q = indicates LCS control criteria did not meet requirements

H = Sample Analysis Out Of Hold Time

J = Estimated Value

B = Analyte Found in Associated Method Blank

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

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

OR = Over Range

N =Spiked sample recovery not within control limits

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	07/08/25 13:05
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	07/09/25
Client Sample ID:	RW8-SP100-20250708DL	SDG No.:	Q2536
Lab Sample ID:	Q2536-03DL	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Chloride	11.0	D	5	0.95	1.50	3.00	mg/L		07/09/25 15:19	300.0

Comments: _____

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time

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



QC RESULT SUMMARY

Initial and Continuing Calibration Verification

Client: Tetra Tech NUS, Inc.

SDG No.: Q2536

Project: NWIRP Bethpage 112G08005-WE13

RunNo.: LB136410

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV1						
Bromide	mg/L	9.7	10	97	90-110	06/23/2025
Chloride	mg/L	2.9	3	97	90-110	06/23/2025
Fluoride	mg/L	2	2	100	90-110	06/23/2025
Nitrite	mg/L	2.9	3	97	90-110	06/23/2025
Nitrate	mg/L	2.4	2.5	96	90-110	06/23/2025
Sulfate	mg/L	14.3	15	95	90-110	06/23/2025
Orthophosphate as P	mg/L	4.9	5	98	90-110	06/23/2025
Sample ID: CCV1						
Bromide	mg/L	10	10	100	90-110	07/09/2025
Chloride	mg/L	3	3	100	90-110	07/09/2025
Fluoride	mg/L	2	2	100	90-110	07/09/2025
Nitrite	mg/L	3	3	100	90-110	07/09/2025
Nitrate	mg/L	2.5	2.5	100	90-110	07/09/2025
Sulfate	mg/L	14.8	15	99	90-110	07/09/2025
Orthophosphate as P	mg/L	5.1	5	102	90-110	07/09/2025
Sample ID: CCV2						
Bromide	mg/L	10	10	100	90-110	07/09/2025
Chloride	mg/L	3	3	100	90-110	07/09/2025
Fluoride	mg/L	2	2	100	90-110	07/09/2025
Nitrite	mg/L	3	3	100	90-110	07/09/2025
Nitrate	mg/L	2.5	2.5	100	90-110	07/09/2025
Sulfate	mg/L	14.9	15	99	90-110	07/09/2025
Orthophosphate as P	mg/L	5.1	5	102	90-110	07/09/2025

Initial and Continuing Calibration Verification

Client: Tetra Tech NUS, Inc.

SDG No.: Q2536

Project: NWIRP Bethpage 112G08005-WE13

RunNo.: LB136411

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV Phosphorus, Total	mg/L	0.531	0.50	106	90-110	07/09/2025
Sample ID: CCV1 Phosphorus, Total	mg/L	0.490	0.50	98	90-110	07/09/2025
Sample ID: CCV2 Phosphorus, Total	mg/L	0.507	0.50	101	90-110	07/09/2025
Sample ID: CCV3 Phosphorus, Total	mg/L	0.499	0.50	100	90-110	07/09/2025

Initial and Continuing Calibration Verification

Client: Tetra Tech NUS, Inc.

SDG No.: Q2536

Project: NWIRP Bethpage 112G08005-WE13

RunNo.: LB136416

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV1 TOC	mg/L	10.2	10	102	90-110	07/03/2025
Sample ID: CCV1 TOC	mg/L	9.5	10	95	90-110	07/10/2025
Sample ID: CCV2 TOC	mg/L	10.2	10	102	90-110	07/10/2025
Sample ID: CCV3 TOC	mg/L	10.2	10	102	90-110	07/10/2025

Initial and Continuing Calibration Verification

Client: Tetra Tech NUS, Inc.

SDG No.: Q2536

Project: NWIRP Bethpage 112G08005-WE13

RunNo.: LB136436

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV1 Cyanide	mg/L	0.096	0.099	97	90-110	07/11/2025
Sample ID: CCV1 Cyanide	mg/L	0.24	0.25	96	90-110	07/11/2025
Sample ID: CCV2 Cyanide	mg/L	0.24	0.25	96	90-110	07/11/2025
Sample ID: CCV3 Cyanide	mg/L	0.25	0.25	100	90-110	07/11/2025

Initial and Continuing Calibration Verification

Client: Tetra Tech NUS, Inc.

SDG No.: Q2536

Project: NWIRP Bethpage 112G08005-WE13

RunNo.: LB136459

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV1 Ammonia as N	mg/L	0.99	1	99	90-110	07/14/2025
Sample ID: CCV1 Ammonia as N	mg/L	1	1	100	90-110	07/14/2025
Sample ID: CCV2 Ammonia as N	mg/L	0.98	1	98	90-110	07/14/2025
Sample ID: CCV3 Ammonia as N	mg/L	1	1	100	90-110	07/14/2025
Sample ID: CCV4 Ammonia as N	mg/L	1	1	100	90-110	07/14/2025

Initial and Continuing Calibration Verification

Client: Tetra Tech NUS, Inc.

SDG No.: Q2536

Project: NWIRP Bethpage 112G08005-WE13

RunNo.: LB136477

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV COD	mg/L	50.962	50	102	95-105	05/28/2025
Sample ID: CCV1 COD	mg/L	47.915	50	96	95-105	07/15/2025
Sample ID: CCV2 COD	mg/L	48.931	50	98	95-105	07/15/2025
Sample ID: CCV3 COD	mg/L	49.946	50	100	95-105	07/15/2025

Initial and Continuing Calibration Blank Summary

Client: Tetra Tech NUS, Inc.

SDG No.: Q2536

Project: NWIRP Bethpage 112G08005-WE13

RunNo.: LB136410

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: ICB1							
Bromide	mg/L	< 1.0000	1.0000	U	0.37	2	06/23/2025
Chloride	mg/L	< 0.3000	0.3000	U	0.19	0.6	06/23/2025
Fluoride	mg/L	< 0.2000	0.2000	U	0.11	0.4	06/23/2025
Nitrite	mg/L	< 0.3000	0.3000	U	0.074	0.6	06/23/2025
Nitrate	mg/L	< 0.2500	0.2500	U	0.095	0.5	06/23/2025
Sulfate	mg/L	< 1.5000	1.5000	U	0.46	3	06/23/2025
Orthophosphate as P	mg/L	< 0.5000	0.5000	U	0.34	1	06/23/2025
Sample ID: CCB1							
Bromide	mg/L	< 1.0000	1.0000	U	0.37	2	07/09/2025
Chloride	mg/L	< 0.3000	0.3000	U	0.19	0.6	07/09/2025
Fluoride	mg/L	< 0.2000	0.2000	U	0.11	0.4	07/09/2025
Nitrite	mg/L	< 0.3000	0.3000	U	0.074	0.6	07/09/2025
Nitrate	mg/L	< 0.2500	0.2500	U	0.095	0.5	07/09/2025
Sulfate	mg/L	< 1.5000	1.5000	U	0.46	3	07/09/2025
Orthophosphate as P	mg/L	< 0.5000	0.5000	U	0.34	1	07/09/2025
Sample ID: CCB2							
Bromide	mg/L	< 1.0000	1.0000	U	0.37	2	07/09/2025
Chloride	mg/L	< 0.3000	0.3000	U	0.19	0.6	07/09/2025
Fluoride	mg/L	< 0.2000	0.2000	U	0.11	0.4	07/09/2025
Nitrite	mg/L	< 0.3000	0.3000	U	0.074	0.6	07/09/2025
Nitrate	mg/L	< 0.2500	0.2500	U	0.095	0.5	07/09/2025
Sulfate	mg/L	< 1.5000	1.5000	U	0.46	3	07/09/2025
Orthophosphate as P	mg/L	< 0.5000	0.5000	U	0.34	1	07/09/2025

Initial and Continuing Calibration Blank Summary

Client: Tetra Tech NUS, Inc.

SDG No.: Q2536

Project: NWIRP Bethpage 112G08005-WE13

RunNo.: LB136411

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: ICB Phosphorus, Total	mg/L	0.007	0.0250	J	0.0045	0.05	07/09/2025
Sample ID: CCB1 Phosphorus, Total	mg/L	0.008	0.0250	J	0.0045	0.05	07/09/2025
Sample ID: CCB2 Phosphorus, Total	mg/L	0.007	0.0250	J	0.0045	0.05	07/09/2025
Sample ID: CCB3 Phosphorus, Total	mg/L	0.008	0.0250	J	0.0045	0.05	07/09/2025

Initial and Continuing Calibration Blank Summary

Client: Tetra Tech NUS, Inc.	SDG No.: Q2536
Project: NWIRP Bethpage 112G08005-WE13	RunNo.: LB136416

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: ICB1 TOC	mg/L	< 0.5000	0.5000	U	0.40	1	07/03/2025
Sample ID: CCB1 TOC	mg/L	< 0.5000	0.5000	U	0.40	1	07/10/2025
Sample ID: CCB2 TOC	mg/L	< 0.5000	0.5000	U	0.40	1	07/10/2025
Sample ID: CCB3 TOC	mg/L	< 0.5000	0.5000	U	0.40	1	07/10/2025

Initial and Continuing Calibration Blank Summary

Client: Tetra Tech NUS, Inc.	SDG No.: Q2536
Project: NWIRP Bethpage 112G08005-WE13	RunNo.: LB136436

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: ICB1 Cyanide	mg/L	< 0.0025	0.0025	U	0.00096	0.005	07/11/2025
Sample ID: CCB1 Cyanide	mg/L	< 0.0025	0.0025	U	0.00096	0.005	07/11/2025
Sample ID: CCB2 Cyanide	mg/L	< 0.0025	0.0025	U	0.00096	0.005	07/11/2025
Sample ID: CCB3 Cyanide	mg/L	< 0.0025	0.0025	U	0.00096	0.005	07/11/2025

Initial and Continuing Calibration Blank Summary

Client: Tetra Tech NUS, Inc.

SDG No.: Q2536

Project: NWIRP Bethpage 112G08005-WE13

RunNo.: LB136459

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: ICB1 Ammonia as N	mg/L	< 0.0500	0.0500	U	0.030	0.1	07/14/2025
Sample ID: CCB1 Ammonia as N	mg/L	< 0.0500	0.0500	U	0.030	0.1	07/14/2025
Sample ID: CCB2 Ammonia as N	mg/L	< 0.0500	0.0500	U	0.030	0.1	07/14/2025
Sample ID: CCB3 Ammonia as N	mg/L	< 0.0500	0.0500	U	0.030	0.1	07/14/2025
Sample ID: CCB4 Ammonia as N	mg/L	< 0.0500	0.0500	U	0.030	0.1	07/14/2025

Initial and Continuing Calibration Blank Summary

Client: Tetra Tech NUS, Inc.

SDG No.: Q2536

Project: NWIRP Bethpage 112G08005-WE13

RunNo.: LB136477

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: ICB COD	mg/L	< 5.0000	5.0000	U	1.50	10	05/28/2025
Sample ID: CCB1 COD	mg/L	< 5.0000	5.0000	U	1.50	10	07/15/2025
Sample ID: CCB2 COD	mg/L	< 5.0000	5.0000	U	1.50	10	07/15/2025
Sample ID: CCB3 COD	mg/L	< 5.0000	5.0000	U	1.50	10	07/15/2025

Preparation Blank Summary

Client: Tetra Tech NUS, Inc.

SDG No.: Q2536

Project: NWIRP Bethpage 112G08005-WE13

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID:	LB136410BLW						
Bromide	mg/L	< 1.0000	1.0000	U	0.37	2	07/09/2025
Chloride	mg/L	< 0.3000	0.3000	U	0.19	0.6	07/09/2025
Fluoride	mg/L	< 0.2000	0.2000	U	0.11	0.4	07/09/2025
Nitrite	mg/L	< 0.3000	0.3000	U	0.074	0.6	07/09/2025
Nitrate	mg/L	< 0.2500	0.2500	U	0.095	0.5	07/09/2025
Sulfate	mg/L	< 1.5000	1.5000	U	0.46	3	07/09/2025
Orthophosphate as P	mg/L	< 0.5000	0.5000	U	0.34	1	07/09/2025
Sample ID:	LB136413BL						
BOD5	mg/L	< 0.2000	0.2000	U	0.20	2.0	07/09/2025
Sample ID:	LB136416BLW						
TOC	mg/L	< 0.5000	0.5000	U	0.4	1	07/10/2025
Sample ID:	LB136420BL						
Alkalinity	mg/L	< 1.0000	1.0000	U	1	2	07/10/2025
Sample ID:	LB136477BL						
COD	mg/L	< 5.0000	5.0000	U	1.5	10.0	07/15/2025
Sample ID:	PB168769BL						
Phosphorus, Total	mg/L	0.005	0.0250	J	0.005	0.05	07/09/2025
Sample ID:	PB168778BL						
Sulfide	mg/L	< 0.5000	0.5000	U	0.43	1.0	07/10/2025
Sample ID:	PB168782BL						
Cyanide	mg/L	< 0.0025	0.0025	U	0.00096	0.005	07/11/2025
Sample ID:	PB168835BL						
Ammonia as N	mg/L	< 0.0500	0.0500	U	0.03	0.1	07/14/2025

Matrix Spike Summary

Client:	Tetra Tech NUS, Inc.	SDG No.:	Q2536
Project:	NWIRP Bethpage 112G08005-WE13	Sample ID:	Q2470-01
Client ID:	SW-1MS	Percent Solids for Spike Sample:	0

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Phosphorus, Total	mg/L	90-110	0.66		0.18		0.5	1	95		07/09/2025

Matrix Spike Summary

Client:	Tetra Tech NUS, Inc.	SDG No.:	Q2536
Project:	NWIRP Bethpage 112G08005-WE13	Sample ID:	Q2470-01
Client ID:	SW-1MSD	Percent Solids for Spike Sample:	0

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Phosphorus, Total	mg/L	90-110	0.66		0.18		0.5	1	95		07/09/2025

Matrix Spike Summary

Client:	Tetra Tech NUS, Inc.	SDG No.:	Q2536
Project:	NWIRP Bethpage 112G08005-WE13	Sample ID:	Q2536-01
Client ID:	RW5-SP100-20250708MS	Percent Solids for Spike Sample:	0

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
TOC	mg/L	75-125	9.90		0.54	J	10	1	94		07/10/2025
Ammonia as N	mg/L	75-125	0.99		0.030	U	1	1	99		07/14/2025
Sulfide	mg/L	75-125	24.2		0.43	U	25.0	1	97		07/10/2025
Cyanide	mg/L	75-125	0.040		0.00096	U	0.04	1	100		07/11/2025

Matrix Spike Summary

Client:	Tetra Tech NUS, Inc.	SDG No.:	Q2536
Project:	NWIRP Bethpage 112G08005-WE13	Sample ID:	Q2536-01
Client ID:	RW5-SP100-20250708MSD	Percent Solids for Spike Sample:	0

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
TOC	mg/L	75-125	9.90		0.54	J	10	1	94		07/10/2025
Ammonia as N	mg/L	75-125	1.00		0.030	U	1	1	100		07/14/2025
Sulfide	mg/L	75-125	24.3		0.43	U	25.0	1	97		07/10/2025
Cyanide	mg/L	75-125	0.039		0.00096	U	0.04	1	98		07/11/2025

Matrix Spike Summary

Client:	Tetra Tech NUS, Inc.	SDG No.:	Q2536
Project:	NWIRP Bethpage 112G08005-WE13	Sample ID:	Q2536-03
Client ID:	RW8-SP100-20250708MS	Percent Solids for Spike Sample:	0

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Bromide	mg/L	80-120	10.2	OR	0.37	U	10	1	102		07/09/2025
Chloride	mg/L	80-120	14.3		11.5	OR	3	1	93		07/09/2025
Fluoride	mg/L	80-120	2.00		0.11	U	2	1	100		07/09/2025
Nitrite	mg/L	80-120	3.00		0.074	U	3	1	100		07/09/2025
Nitrate	mg/L	80-120	2.60		0.15	J	2.5	1	98		07/09/2025
Sulfate	mg/L	80-120	23.2		8.70		15	1	97		07/09/2025
Orthophosphate as P	mg/L	80-120	4.60		0.34	U	5	1	92		07/09/2025

Matrix Spike Summary

Client:	Tetra Tech NUS, Inc.	SDG No.:	Q2536
Project:	NWIRP Bethpage 112G08005-WE13	Sample ID:	Q2536-03
Client ID:	RW8-SP100-20250708MSD	Percent Solids for Spike Sample:	0

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Bromide	mg/L	80-120	9.90	OR	0.37	U	10	1	99		07/09/2025
Chloride	mg/L	80-120	14.2		11.5	OR	3	1	90		07/09/2025
Fluoride	mg/L	80-120	2.00		0.11	U	2	1	100		07/09/2025
Nitrite	mg/L	80-120	2.90		0.074	U	3	1	97		07/09/2025
Nitrate	mg/L	80-120	2.50		0.15	J	2.5	1	94		07/09/2025
Sulfate	mg/L	80-120	22.7		8.70		15	1	93		07/09/2025
Orthophosphate as P	mg/L	80-120	4.80		0.34	U	5	1	96		07/09/2025

Matrix Spike Summary

Client:

Tetra Tech NUS, Inc.

SDG No.:

Q2536

Project:

NWIRP Bethpage 112G08005-WE13

Sample ID:

Q2602-01

Client ID:

FRAC-TANK-266380MS

Percent Solids for Spike Sample:

0

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
COD	mg/L	75-125	46.9		1.50	U	50.0	1	94		07/15/2025

Matrix Spike Summary

Client:	Tetra Tech NUS, Inc.	SDG No.:	Q2536
Project:	NWIRP Bethpage 112G08005-WE13	Sample ID:	Q2602-01
Client ID:	FRAC-TANK-266380MSD	Percent Solids for Spike Sample:	0

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
COD	mg/L	75-125	47.9		1.50	U	50.0	1	96		07/15/2025

Duplicate Sample Summary

Client:	Tetra Tech NUS, Inc.	SDG No.:	Q2536
Project:	NWIRP Bethpage 112G08005-WE13	Sample ID:	Q2470-01
Client ID:	SW-1DUP	Percent Solids for Spike Sample:	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	0.18		0.19		1	1.63		07/09/2025

Duplicate Sample Summary

Client:	Tetra Tech NUS, Inc.	SDG No.:	Q2536
Project:	NWIRP Bethpage 112G08005-WE13	Sample ID:	Q2470-01
Client ID:	SW-1MSD	Percent Solids for Spike Sample:	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	0.66		0.66		1	0.46		07/09/2025

Duplicate Sample Summary

Client: Tetra Tech NUS, Inc. Project: NWIRP Bethpage 112G08005-WE13 Client ID: RW5-SP100-20250708DUP	SDG No.: Q2536 Sample ID: Q2536-01 Percent Solids for Spike Sample: 0
---	--

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/AD	Qual	Analysis Date
Alkalinity	mg/L	+/-20	4.40		4.00		1	9.52		07/10/2025
Sulfide	mg/L	+/-20	0.43	U	0.43	U	1	0		07/10/2025
Cyanide	mg/L	+/-20	0.00096	U	0.00096	U	1	0		07/11/2025
Ammonia as N	mg/L	+/-20	0.030	U	0.030	U	1	0		07/14/2025

Duplicate Sample Summary

Client:	Tetra Tech NUS, Inc.	SDG No.:	Q2536
Project:	NWIRP Bethpage 112G08005-WE13	Sample ID:	Q2536-01
Client ID:	RW5-SP100-20250708MSD	Percent Solids for Spike Sample:	0

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/AD	Qual	Analysis Date
TOC	mg/L	+/-20	9.90		9.90		1	0		07/10/2025
Sulfide	mg/L	+/-20	24.2		24.3		1	0.41		07/10/2025
Cyanide	mg/L	+/-20	0.040		0.039		1	3		07/11/2025
Ammonia as N	mg/L	+/-20	0.99		1.00		1	1		07/14/2025

Duplicate Sample Summary

Client: Tetra Tech NUS, Inc.	SDG No.: Q2536
Project: NWIRP Bethpage 112G08005-WE13	Sample ID: Q2536-03
Client ID: RW8-SP100-20250708MSD	Percent Solids for Spike Sample: 0

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/AD	Qual	Analysis Date
Fluoride	mg/L	+/-20	2.00	OR	2.00	OR	1	0		07/09/2025
Chloride	mg/L	+/-20	14.3		14.2		1	1		07/09/2025
Sulfate	mg/L	+/-20	23.2		22.7		1	2		07/09/2025
Bromide	mg/L	+/-20	10.2		9.90		1	3		07/09/2025
Nitrite	mg/L	+/-20	3.00		2.90		1	3		07/09/2025
Nitrate	mg/L	+/-20	2.60		2.50		1	4		07/09/2025
Orthophosphate as P	mg/L	+/-20	4.60		4.80		1	4		07/09/2025

Duplicate Sample Summary

Client:	Tetra Tech NUS, Inc.	SDG No.:	Q2536
Project:	NWIRP Bethpage 112G08005-WE13	Sample ID:	Q2548-02
Client ID:	COMPDUP	Percent Solids for Spike Sample:	0

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/AD	Qual	Analysis Date
BOD5	mg/L	+/-20	682		709		1	3.88		07/09/2025

Duplicate Sample Summary

Client: Tetra Tech NUS, Inc.	SDG No.: Q2536
Project: NWIRP Bethpage 112G08005-WE13	Sample ID: Q2602-01
Client ID: FRAC-TANK-266380DUP	Percent Solids for Spike Sample: 0

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/AD	Qual	Analysis Date
COD	mg/L	+/-20	1.50	U	1.50	U	1	0		07/15/2025

Duplicate Sample Summary

Client:	Tetra Tech NUS, Inc.	SDG No.:	Q2536
Project:	NWIRP Bethpage 112G08005-WE13	Sample ID:	Q2602-01
Client ID:	FRAC-TANK-266380MSD	Percent Solids for Spike Sample:	0

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/AD	Qual	Analysis Date
COD	mg/L	+/-20	46.9		47.9		1	2.11		07/15/2025

Laboratory Control Sample Summary

Client: Tetra Tech NUS, Inc.

SDG No.: Q2536

Project: NWIRP Bethpage 112G08005-WE13

Run No.: LB136410

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	LB136410BSW							
Bromide	mg/L	10	10.1		101	1	90-110	07/09/2025
Chloride	mg/L	3	3.00		100	1	90-110	07/09/2025
Fluoride	mg/L	2	2.00		100	1	90-110	07/09/2025
Nitrite	mg/L	3	3.00		100	1	90-110	07/09/2025
Nitrate	mg/L	2.5	2.50		100	1	90-110	07/09/2025
Sulfate	mg/L	15	14.9		99	1	90-110	07/09/2025
Orthophosphate as P	mg/L	5	5.10		102	1	90-110	07/09/2025

Laboratory Control Sample Summary

Client:	Tetra Tech NUS, Inc.	SDG No.:	Q2536
Project:	NWIRP Bethpage 112G08005-WE13	Run No.:	LB136413

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	LB136413BS							
BOD5	mg/L	198	212		107	1	84.6-115.4	07/09/2025

Laboratory Control Sample Summary

Client:	Tetra Tech NUS, Inc.	SDG No.:	Q2536
Project:	NWIRP Bethpage 112G08005-WE13	Run No.:	LB136416

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	LB136416BSW							
TOC	mg/L	10	9.50		95	1	90-110	07/10/2025

Laboratory Control Sample Summary

Client:	Tetra Tech NUS, Inc.	SDG No.:	Q2536
Project:	NWIRP Bethpage 112G08005-WE13	Run No.:	LB136420

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	LB136420BS							
Alkalinity	mg/L	50	44.2		88	1	80-120	07/10/2025

Laboratory Control Sample Summary

Client:	Tetra Tech NUS, Inc.	SDG No.:	Q2536
Project:	NWIRP Bethpage 112G08005-WE13	Run No.:	LB136477

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	LB136477BS							
COD	mg/L	50	51.0		102	1	90-110	07/15/2025

Laboratory Control Sample Summary

Client:	Tetra Tech NUS, Inc.	SDG No.:	Q2536
Project:	NWIRP Bethpage 112G08005-WE13	Run No.:	LB136411

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	PB168769BS							
Phosphorus, Total	mg/L	0.50	0.50		100	1	90-110	07/09/2025

Laboratory Control Sample Summary

Client:	Tetra Tech NUS, Inc.	SDG No.:	Q2536
Project:	NWIRP Bethpage 112G08005-WE13	Run No.:	LB136421

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	PB168778BS							
Sulfide	mg/L	25	24.0		96	1	80-120	07/10/2025

Laboratory Control Sample Summary

Client:	Tetra Tech NUS, Inc.	SDG No.:	Q2536
Project:	NWIRP Bethpage 112G08005-WE13	Run No.:	LB136436

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	PB168782BS							
Cyanide	mg/L	0.1	0.097		97	1	85-115	07/11/2025

Laboratory Control Sample Summary

Client:	Tetra Tech NUS, Inc.	SDG No.:	Q2536
Project:	NWIRP Bethpage 112G08005-WE13	Run No.:	LB136459

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	PB168835BS							
Ammonia as N	mg/L	1	0.96		96	1	90-110	07/14/2025



SHIPPING DOCUMENTS

 CHAIN OF CUSTODY RECORD		284 Sheffield Street, Mountainside, NJ 07092 (908) 789-8900 Fax: (908) 78-8922 www.chemtech.net		Chemtech Project Number: Q2536																				
				COC Number:																				
CLIENT INFORMATION		PROJECT INFORMATION		BILLING INFORMATION																				
COMPANY: Tetra Tech		PROJECT NAME: NWIRP Bethpage		BILL TO: PO#																				
ADDRESS: 4433 Corporation Ln, Suite 300		PROJECT #: 112G08005-WE13 LOCATION: RW5B		ADDRESS:																				
CITY: Virginia Beach STATE: VA ZIP: 23462		PROJECT MANAGER: Ernie Wu		CITY: STATE: ZIP:																				
ATTENTION: Ernie Wu		E-MAIL: ernie.wu@tetratech.com		ATTENTION: PHONE:																				
PHONE: 757-466-4901 FAX: 757-461-4148		PHONE: 757-466-4901 FAX: 757-461-4148																						
DATA TURNAROUND INFORMATION		DATA DELIVERABLE INFORMATION		ANALYSIS																				
FAX: _____ 10 _____ DAYS* HARD COPY: _____ 10 _____ DAYS* EDD _____ 10 _____ DAYS* * TO BE APPROVED BY CHEMTECH STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS		☐ RESULTS ONLY ☐ USEPA CLP ☐ RESULTS + QC ☐ New York State ASP "B" ☐ New Jersey REDUCED ☐ New York State ASP "A" ☐ New Jersey CLP ☐ Other _____ ☐ EDD Format _____		<table border="1" style="width:100%; border-collapse: collapse; text-align: center;"> <tr> <td style="writing-mode: vertical-rl; transform: rotate(180deg);">Total Phosphorus</td> <td style="writing-mode: vertical-rl; transform: rotate(180deg);">Anions, Sulfate</td> <td style="writing-mode: vertical-rl; transform: rotate(180deg);">Chloride</td> <td style="writing-mode: vertical-rl; transform: rotate(180deg);">Alkalinity</td> <td style="writing-mode: vertical-rl; transform: rotate(180deg);">BOD</td> <td style="writing-mode: vertical-rl; transform: rotate(180deg);">COD</td> <td style="writing-mode: vertical-rl; transform: rotate(180deg);">Sulfide</td> <td style="writing-mode: vertical-rl; transform: rotate(180deg);">Cyanide</td> <td style="writing-mode: vertical-rl; transform: rotate(180deg);">Ammonia</td> <td style="writing-mode: vertical-rl; transform: rotate(180deg);">TOC</td> </tr> <tr> <td>1</td> <td>2</td> <td>3</td> <td>4</td> <td>5</td> <td>6</td> <td>7</td> <td>8</td> <td>9</td> </tr> </table>		Total Phosphorus	Anions, Sulfate	Chloride	Alkalinity	BOD	COD	Sulfide	Cyanide	Ammonia	TOC	1	2	3	4	5	6	7	8	9
Total Phosphorus	Anions, Sulfate	Chloride	Alkalinity	BOD	COD	Sulfide	Cyanide	Ammonia	TOC															
1	2	3	4	5	6	7	8	9																
				PRESERVATIVES																				
				COMMENTS																				
CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE	SAMPLE COLLECTION	# of Bottles																			
			COMP GRAB	DATE TIME																				
1.	RW5-SP100-20250708	GW		7/8/25 10:45	9																			
2.																								
3.																								
4.																								
5.																								
6.																								
7.																								
8.																								
9.																								
10.																								
SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE PROSESSION INCLUDING COURIER DELIVERY																								
RELINQUISHED BY SAMPLER	DATE/TIME	RECEIVED BY	Conditions of bottles or coolers at receipt: ☐ Compliant ☐ Non Compliant ☐ Cooler Temp <u>2.3 C</u> MeOH extraction requires an additional 4oz. Jar for percent solid ☐ Ice in Cooler?: _____ Comments:																					
1.	7/8/25/1400	1008																						
RELINQUISHED BY	DATE/TIME	RECEIVED BY																						
2.		2.																						
RELINQUISHED BY	DATE/TIME	RECEIVED FOR LAB BY																						
3.		3.																						
			SHIPPED VIA: CLIENT: ☐ Hand Delivered ☐ Overnight CHEMTECH: ☐ Picked Up ☐ Overnight		Shipment Complete ☐ YES ☐ NO																			
WHITE - CHEMTECH COPY FOR RETURN TO CLIENT YELLOW - CHEMTECH COPY PINK - SAMPLER COPY																								

CHEMTECH CHAIN OF CUSTODY RECORD		284 Sheffield Street, Mountainside, NJ 07092 (908) 789-8900 Fax: (908) 78-8922 www.chemtech.net				Chemtech Project Number: Q2536 COC Number:																															
CLIENT INFORMATION				PROJECT INFORMATION				BILLING INFORMATION																													
COMPANY: Tetra Tech				PROJECT NAME: NWIRP Bethpage				BILL TO:					PO#																								
ADDRESS: 4433 Corporation Ln, Suite 300				PROJECT #: 112G08005-WE13 LOCATION: RW7B				ADDRESS:																													
CITY: Virginia Beach STATE: VA ZIP: 23462				PROJECT MANAGER: Ernie Wu				CITY:					STATE: ZIP:																								
ATTENTION: Ernie Wu				E-MAIL: ernie.wu@tetratech.com				ATTENTION:					PHONE:																								
PHONE: 757-466-4901 FAX: 757-461-4148				PHONE: 757-466-4901 FAX: 757-461-4148																																	
DATA TURNAROUND INFORMATION				DATA DELIVERABLE INFORMATION				ANALYSIS																													
FAX: 10 DAYS* HARD COPY: 10 DAYS* EDD 10 DAYS* * TO BE APPROVED BY CHEMTECH STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS				☐ RESEULTS ONLY ☐ USEPA CLP ☐ RESULTS + QC ☐ New York State ASP "B" ☐ New Jersey REDUCED ☐ New York State ASP "A" ☐ New Jersey CLP ☐ Other ☐ EDD Format				<table><tr><td>Total Phosphorus</td><td>Chloride</td><td>Anions, Sulfate</td><td>Alkalinity</td><td>BOD</td><td>COD</td><td>Sulfide</td><td>Cyanide</td><td>Ammonia</td><td>TOC</td></tr><tr><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td><td>8</td><td>9</td><td></td></tr></table>										Total Phosphorus	Chloride	Anions, Sulfate	Alkalinity	BOD	COD	Sulfide	Cyanide	Ammonia	TOC	1	2	3	4	5	6	7	8	9	
Total Phosphorus	Chloride	Anions, Sulfate	Alkalinity	BOD	COD	Sulfide	Cyanide	Ammonia	TOC																												
1	2	3	4	5	6	7	8	9																													
CHEMTECH SAMPLE ID				PROJECT SAMPLE IDENTIFICATION				SAMPLE MATRIX		SAMPLE TYPE		SAMPLE COLLECTION		# of Bottles		PRESERVATIVES					COMMENTS																
								COMP GRAB		DATE TIME				C		C		F		D		C		C		<- Specify Preservatives A-HCl B-HNO3 C-H2SO4 D-NaOH E-ICE F-Other											
1.				RW7-SP100-20250708				GW				7/8/25 12:15		9		X		X		X		X		X		X		pH 1.3									
2.																																					
3.																																					
4.																																					
5.																																					
6.																																					
7.																																					
8.																																					
9.																																					
10.																																					
SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE PROSESSION INCLUDING COURIER DELIVERY																																					
RELINQUISHED BY SAMPLER				DATE/TIME				RECEIVED BY				Conditions of bottles or coolers at receipt: ☐ Compliant ☐ Non Compliant ☐ Cooler Temp 2.3°C MeOH extraction requires an additional 4oz. Jar for percent solid Comments:																									
1. <i>[Signature]</i>				7/8/25 1400				1. <i>[Signature]</i>				7-9-25																									
RELINQUISHED BY				DATE/TIME				RECEIVED BY																													
2.								2.																													
RELINQUISHED BY				DATE/TIME				RECEIVED FOR LAB BY																													
3.								3.																													
Page of													SHIPPED VIA: CLIENT: ☐ Hand Delivered ☐ Overnight CHEMTECH: ☐ Picked Up ☐ Overnight										Shipment Complete ☐ YES ☐ NO														
WHITE - CHEMTECH COPYFOR RETURN TO CLIENT YELLOW - CHEMTECH COPY PINK - SAMPLER COPY																																					

CHEMTECH

CHAIN OF CUSTODY RECORD

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 Fax: (908) 78-8922
www.chemtech.net

Chemtech Project Number:

2 2536

COC Number:

CLIENT INFORMATION

COMPANY: Tetra Tech
ADDRESS: 4433 Corporation Ln, Suite 300
CITY: Virginia Beach STATE: VA ZIP: 23462
ATTENTION: Ernie Wu
PHONE: 757-466-4901 FAX: 757-461-4148

PROJECT INFORMATION

PROJECT NAME: NWIRP Bethpage
PROJECT #: 112G08005-WE13 LOCATION: RW8
PROJECT MANAGER: Ernie Wu
E-MAIL: ernie.wu@tetratech.com
PHONE: 757-466-4901 FAX: 757-461-4148

BILLING INFORMATION

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

ANALYSIS

Total Phosphorus	Chloride	Anions, Sulfate	Alkalinity	BOD	COD	Sulfide	Cyanide	Ammonia	TOC
1	2	3	4	5	6	7	8	9	

PRESERVATIVES

COMMENTS

FAX: 10 DAYS*
HARD COPY: 10 DAYS*
EDD: 10 DAYS*
* TO BE APPROVED BY CHEMTECH
STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS

☐ RESEULTS ONLY ☐ USEPA CLP
☐ RESULTS + QC ☐ New York State ASP "B"
☐ New Jersey REDUCED ☐ New York State ASP "A"
☐ New Jersey CLP ☐ Other
☐ EDD Format

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# of Bottles										
			COMP	GRAB	DATE	TIME		C				C	F	D	C	C	
1.	RW8-SP100-20250708	GW		X	7/8/25	13:05	9	X	X	X	X	X	X	X	X	X	ph 6.3
2.																	
3.																	
4.																	
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	

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

RELINQUISHED BY SAMPLER	DATE/TIME	RECEIVED BY	Conditions of bottles or coolers at receipt: ☐ Compliant ☐ Non Compliant ☐ Cooler Temp 23.5 MeOH extraction requires an additional 4oz. Jar for percent solid Comments:	☐ Cooler Temp 23.5 ☐ Ice in Cooler?: yes
1. <i>[Signature]</i>	7/8/25/1400	1. <i>[Signature]</i>		
RELINQUISHED BY	DATE/TIME	RECEIVED BY		
2. <i>[Signature]</i>	7/9/25/1008	2. <i>[Signature]</i>		
RELINQUISHED BY	DATE/TIME	RECEIVED FOR LAB BY		
3. <i>[Signature]</i>		3. <i>[Signature]</i>		

SHIPPED VIA: CLIENT: ☐ Hand Delivered ☐ Overnight
CHEMTECH: ☐ Picked Up ☐ Overnight

Shipment Complete
☐ YES ☐ NO

WHITE - CHEMTECH COPY FOR RETURN TO CLIENT YELLOW - CHEMTECH COPY PINK - SAMPLER COPY

Laboratory Certification

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