

LAB CHRONICLE

OrderID:	Q1120	OrderDate:	1/16/2025 4:25:00 PM
Client:	Tetra Tech NUS, Inc.	Project:	NWIRP Bethpage 112G08005-WE13
Contact:	Ernie Wu	Location:	M11

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1120-01	RW10A-20250116	WATER			01/16/25 10:40			01/16/25
			Ammonia	SM4500-NH3		01/17/25	01/17/25 11:53	
			Anions Group2	300.0			01/17/25 10:09	
			BOD5	SM5210 B			01/16/25 18:50	
			COD	SM5220 D			01/22/25 13:39	
			Cyanide	SM4500-CN C,E		01/17/25	01/17/25 15:20	
			Sulfide	9034		01/21/25	01/21/25 14:36	
			TOC	9060A			01/17/25 12:24	
Q1120-01DL	RW10A-20250116DL	WATER			01/16/25 10:40			01/16/25
			Anions Group2	300.0			01/17/25 11:13	



SAMPLE DATA

A

B

C

D

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.:	Q1120
Lab Sample ID:	Q1120-01	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Ammonia as N	0.061	J	1	0.045	0.080	0.10	mg/L	01/17/25 08:45	01/17/25 11:53	SM 4500-NH3 B plus G-11
Chloride	128	OR	1	0.011	0.30	0.60	mg/L		01/17/25 10:09	300.0
Nitrite	0.30	U	1	0.011	0.30	0.60	mg/L		01/17/25 10:09	300.0
Nitrate	0.19	J	1	0.0034	0.25	0.50	mg/L		01/17/25 10:09	300.0
Sulfate	29.8		1	0.032	1.50	3.00	mg/L		01/17/25 10:09	300.0
Nitrate+Nitrite	0.19	J	1	0.010	0.55	1.10	mg/L		01/17/25 10:09	300.0
BOD5	18.8		1	0.17	2.00	2.00	mg/L		01/16/25 18:50	SM 5210 B-16
COD	5.00	U	1	2.35	5.00	10.0	mg/L		01/22/25 13:39	SM 5220 D-11
Cyanide	0.0011	J	1	0.00093	0.0025	0.0050	mg/L	01/17/25 12:15	01/17/25 15:20	SM 4500-CN C-16 plus E-16
Sulfide	0.50	U	1	0.43	0.50	1.00	mg/L	01/21/25 10:45	01/21/25 14:36	9034
TOC	0.77	J	1	0.19	0.50	1.00	mg/L		01/17/25 12:24	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:	01/16/25 10:40
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	01/16/25
Client Sample ID:	RW10A-20250116DL	SDG No.:	Q1120
Lab Sample ID:	Q1120-01DL	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Chloride	100	D	50	0.55	15.0	30.0	mg/L		01/17/25 11:13	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.: Q1120

Project: NWIRP Bethpage 112G08005-WE13

RunNo.: LB134317

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV1 TOC	mg/L	10.4	10	104	90-110	01/15/2025
Sample ID: CCV1 TOC	mg/L	10.2	10	102	90-110	01/17/2025
Sample ID: CCV2 TOC	mg/L	10.2	10	102	90-110	01/17/2025

Initial and Continuing Calibration Verification

Client: Tetra Tech NUS, Inc.

SDG No.: Q1120

Project: NWIRP Bethpage 112G08005-WE13

RunNo.: LB134320

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: CCV1						
Bromide	mg/L	10.4	10	104	90-110	01/17/2025
Chloride	mg/L	3.1	3	103	90-110	01/17/2025
Fluoride	mg/L	2.1	2	105	90-110	01/17/2025
Nitrite	mg/L	3.1	3	103	90-110	01/17/2025
Nitrate	mg/L	2.6	2.5	104	90-110	01/17/2025
Sulfate	mg/L	15.5	15	103	90-110	01/17/2025
Orthophosphate as P	mg/L	5.2	5	104	90-110	01/17/2025
Sample ID: CCV2						
Bromide	mg/L	10.5	10	105	90-110	01/17/2025
Chloride	mg/L	3.1	3	103	90-110	01/17/2025
Fluoride	mg/L	2.1	2	105	90-110	01/17/2025
Nitrite	mg/L	3.1	3	103	90-110	01/17/2025
Nitrate	mg/L	2.6	2.5	104	90-110	01/17/2025
Sulfate	mg/L	15.6	15	104	90-110	01/17/2025
Orthophosphate as P	mg/L	5.4	5	108	90-110	01/17/2025
Sample ID: ICV1						
Bromide	mg/L	10.3	10	103	90-110	12/18/2024
Chloride	mg/L	3.1	3	103	90-110	12/18/2024
Fluoride	mg/L	2	2	100	90-110	12/18/2024
Nitrite	mg/L	3.1	3	103	90-110	12/18/2024
Nitrate	mg/L	2.6	2.5	104	90-110	12/18/2024
Sulfate	mg/L	15.3	15	102	90-110	12/18/2024
Orthophosphate as P	mg/L	5.1	5	102	90-110	12/18/2024

Initial and Continuing Calibration Verification

Client: Tetra Tech NUS, Inc.

SDG No.: Q1120

Project: NWIRP Bethpage 112G08005-WE13

RunNo.: LB134325

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV1 Ammonia as N	mg/L	1	1	100	90-110	01/17/2025
Sample ID: CCV1 Ammonia as N	mg/L	1	1	100	90-110	01/17/2025
Sample ID: CCV2 Ammonia as N	mg/L	1	1	100	90-110	01/17/2025
Sample ID: CCV3 Ammonia as N	mg/L	1.1	1	110	90-110	01/17/2025
Sample ID: CCV4 Ammonia as N	mg/L	1	1	100	90-110	01/17/2025

Initial and Continuing Calibration Verification

Client: Tetra Tech NUS, Inc.

SDG No.: Q1120

Project: NWIRP Bethpage 112G08005-WE13

RunNo.: LB134333

Analyte		Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: Cyanide	ICV1	mg/L	0.098	0.099	99	85-115	01/17/2025
Sample ID: Cyanide	CCV1	mg/L	0.25	0.25	100	90-110	01/17/2025
Sample ID: Cyanide	CCV2	mg/L	0.27	0.25	108	90-110	01/17/2025

Initial and Continuing Calibration Verification

Client: Tetra Tech NUS, Inc.

SDG No.: Q1120

Project: NWIRP Bethpage 112G08005-WE13

RunNo.: LB134365

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV COD	mg/L	49.329	50	99	95-105	01/22/2025
Sample ID: CCV1 COD	mg/L	50.319	50	101	95-105	01/22/2025
Sample ID: CCV2 COD	mg/L	49.329	50	99	95-105	01/22/2025
Sample ID: CCV3 COD	mg/L	49.329	50	99	95-105	01/22/2025

Initial and Continuing Calibration Blank Summary

Client: Tetra Tech NUS, Inc.

SDG No.: Q1120

Project: NWIRP Bethpage 112G08005-WE13

RunNo.: LB134317

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: ICB1 TOC	mg/L	0.2	0.5000	J	0.19	1	01/15/2025
Sample ID: CCB1 TOC	mg/L	< 0.5000	0.5000	U	0.19	1	01/17/2025
Sample ID: CCB2 TOC	mg/L	0.24	0.5000	J	0.19	1	01/17/2025

Initial and Continuing Calibration Blank Summary

Client: Tetra Tech NUS, Inc.

SDG No.: Q1120

Project: NWIRP Bethpage 112G08005-WE13

RunNo.: LB134320

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: CCB1							
Bromide	mg/L	< 1.0000	1.0000	U	0.034	2	01/17/2025
Chloride	mg/L	< 0.3000	0.3000	U	0.011	0.6	01/17/2025
Fluoride	mg/L	< 0.2000	0.2000	U	0.057	0.4	01/17/2025
Nitrite	mg/L	< 0.3000	0.3000	U	0.011	0.6	01/17/2025
Nitrate	mg/L	< 0.2500	0.2500	U	0.0034	0.5	01/17/2025
Sulfate	mg/L	< 1.5000	1.5000	U	0.032	3	01/17/2025
Orthophosphate as P	mg/L	< 0.5000	0.5000	U	0.079	1	01/17/2025
Sample ID: CCB2							
Bromide	mg/L	< 1.0000	1.0000	U	0.034	2	01/17/2025
Chloride	mg/L	< 0.3000	0.3000	U	0.011	0.6	01/17/2025
Fluoride	mg/L	< 0.2000	0.2000	U	0.057	0.4	01/17/2025
Nitrite	mg/L	< 0.3000	0.3000	U	0.011	0.6	01/17/2025
Nitrate	mg/L	< 0.2500	0.2500	U	0.0034	0.5	01/17/2025
Sulfate	mg/L	< 1.5000	1.5000	U	0.032	3	01/17/2025
Orthophosphate as P	mg/L	< 0.5000	0.5000	U	0.079	1	01/17/2025
Sample ID: ICB1							
Bromide	mg/L	< 1.0000	1.0000	U	0.034	2	12/18/2024
Chloride	mg/L	< 0.3000	0.3000	U	0.011	0.6	12/18/2024
Fluoride	mg/L	< 0.2000	0.2000	U	0.057	0.4	12/18/2024
Nitrite	mg/L	< 0.3000	0.3000	U	0.011	0.6	12/18/2024
Nitrate	mg/L	< 0.2500	0.2500	U	0.0034	0.5	12/18/2024
Sulfate	mg/L	< 1.5000	1.5000	U	0.032	3	12/18/2024
Orthophosphate as P	mg/L	< 0.5000	0.5000	U	0.079	1	12/18/2024

Initial and Continuing Calibration Blank Summary

Client: Tetra Tech NUS, Inc.

SDG No.: Q1120

Project: NWIRP Bethpage 112G08005-WE13

RunNo.: LB134325

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: ICB1 Ammonia as N	mg/L	< 0.0500	0.0500	U	0.045	0.1	01/17/2025
Sample ID: CCB1 Ammonia as N	mg/L	< 0.0500	0.0500	U	0.045	0.1	01/17/2025
Sample ID: CCB2 Ammonia as N	mg/L	< 0.0500	0.0500	U	0.045	0.1	01/17/2025
Sample ID: CCB3 Ammonia as N	mg/L	< 0.0500	0.0500	U	0.045	0.1	01/17/2025
Sample ID: CCB4 Ammonia as N	mg/L	< 0.0500	0.0500	U	0.045	0.1	01/17/2025

Initial and Continuing Calibration Blank Summary

Client: Tetra Tech NUS, Inc.

SDG No.: Q1120

Project: NWIRP Bethpage 112G08005-WE13

RunNo.: LB134333

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: ICB1 Cyanide	mg/L	< 0.0025	0.0025	U	0.00093	0.005	01/17/2025
Sample ID: CCB1 Cyanide	mg/L	< 0.0025	0.0025	U	0.00093	0.005	01/17/2025
Sample ID: CCB2 Cyanide	mg/L	< 0.0025	0.0025	U	0.00093	0.005	01/17/2025

Initial and Continuing Calibration Blank Summary

Client: Tetra Tech NUS, Inc.

SDG No.: Q1120

Project: NWIRP Bethpage 112G08005-WE13

RunNo.: LB134365

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: ICB COD	mg/L	< 5.0000	5.0000	U	2.35	10	01/22/2025
Sample ID: CCB1 COD	mg/L	< 5.0000	5.0000	U	2.35	10	01/22/2025
Sample ID: CCB2 COD	mg/L	< 5.0000	5.0000	U	2.35	10	01/22/2025
Sample ID: CCB3 COD	mg/L	< 5.0000	5.0000	U	2.35	10	01/22/2025

Preparation Blank Summary

Client: Tetra Tech NUS, Inc.

SDG No.: Q1120

Project: NWIRP Bethpage 112G08005-WE13

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: LB134317BLW							
TOC	mg/L	0.19	0.5000	J	0.19	1	01/17/2025
Sample ID: LB134320BLW							
Bromide	mg/L	< 1.0000	1.0000	U	0.034	2	01/17/2025
Chloride	mg/L	< 0.3000	0.3000	U	0.011	0.6	01/17/2025
Fluoride	mg/L	< 0.2000	0.2000	U	0.057	0.4	01/17/2025
Nitrite	mg/L	< 0.3000	0.3000	U	0.011	0.6	01/17/2025
Nitrate	mg/L	< 0.2500	0.2500	U	0.0034	0.5	01/17/2025
Sulfate	mg/L	< 1.5000	1.5000	U	0.032	3	01/17/2025
Orthophosphate as P	mg/L	< 0.5000	0.5000	U	0.079	1	01/17/2025
Sample ID: LB134322BL							
BOD5	mg/L	< 0.2000	0.2000	U	0.17	2.0	01/16/2025
Sample ID: LB134365BL							
COD	mg/L	< 5.0000	5.0000	U	2.35	10.0	01/22/2025
Sample ID: PB166092BL							
Ammonia as N	mg/L	< 0.0500	0.0500	U	0.045	0.1	01/17/2025
Sample ID: PB166125BL							
Cyanide	mg/L	< 0.0025	0.0025	U	0.00093	0.005	01/17/2025
Sample ID: PB166159BL							
Sulfide	mg/L	< 0.5000	0.5000	U	0.43	1.0	01/21/2025

Matrix Spike Summary

Client:	Tetra Tech NUS, Inc.	SDG No.:	Q1120
Project:	NWIRP Bethpage 112G08005-WE13	Sample ID:	Q1109-01
Client ID:	TAPIAL1-MW04I-011525-00-T3MS	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	10.5		0.98	J	10	1	95		01/17/2025

Matrix Spike Summary

Client: Tetra Tech NUS, Inc. **SDG No.:** Q1120
Project: NWIRP Bethpage 112G08005-WE13 **Sample ID:** Q1109-01
Client ID: TAPIAL1-MW04I-011525-00-T3MSD **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	10.6		0.98	J	10	1	96		01/17/2025

Matrix Spike Summary

Client:	Tetra Tech NUS, Inc.	SDG No.:	Q1120
Project:	NWIRP Bethpage 112G08005-WE13	Sample ID:	Q1113-01
Client ID:	DSN002MS	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
Ammonia as N	mg/L	75-125	4.30	OR	3.40	OR	1	1	90		01/17/2025
COD	mg/L	75-125	102		54.3		50.0	1	95		01/22/2025

Matrix Spike Summary

Client:	Tetra Tech NUS, Inc.	SDG No.:	Q1120
Project:	NWIRP Bethpage 112G08005-WE13	Sample ID:	Q1113-01
Client ID:	DSN002MSD	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
Ammonia as N	mg/L	75-125	4.10	OR	3.40	OR	1	1	70	*	01/17/2025
COD	mg/L	75-125	101		54.3		50.0	1	93		01/22/2025

Matrix Spike Summary

Client:	Tetra Tech NUS, Inc.	SDG No.:	Q1120
Project:	NWIRP Bethpage 112G08005-WE13	Sample ID:	Q1120-01
Client ID:	RW10A-20250116MS	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		0.69	J	10	1	95		01/17/2025
Sulfide	mg/L	75-125	24.0		0.43	U	25.0	1	96		01/21/2025
Cyanide	mg/L	75-125	0.045		0.0011	J	0.04	1	110		01/17/2025
Chloride	mg/L	80-120	127	OR	128	OR	3	1	-33	*	01/17/2025
Fluoride	mg/L	80-120	2.10		0.15	J	2	1	98		01/17/2025
Nitrite	mg/L	80-120	3.00		0.011	U	3	1	100		01/17/2025
Nitrate	mg/L	80-120	2.60		0.19	J	2.5	1	96		01/17/2025
Sulfate	mg/L	80-120	43.2	OR	29.8		15	1	89		01/17/2025
Orthophosphate as P	mg/L	80-120	5.60		0.079	U	5	1	112		01/17/2025

Matrix Spike Summary

Client:	Tetra Tech NUS, Inc.	SDG No.:	Q1120
Project:	NWIRP Bethpage 112G08005-WE13	Sample ID:	Q1120-01
Client ID:	RW10A-20250116MSD	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		0.69	J	10	1	95		01/17/2025
Sulfide	mg/L	75-125	24.2		0.43	U	25.0	1	97		01/21/2025
Cyanide	mg/L	75-125	0.044		0.0011	J	0.04	1	107		01/17/2025
Chloride	mg/L	80-120	127	OR	128	OR	3	1	-33	*	01/17/2025
Fluoride	mg/L	80-120	2.10		0.15	J	2	1	98		01/17/2025
Nitrite	mg/L	80-120	3.00		0.011	U	3	1	100		01/17/2025
Nitrate	mg/L	80-120	2.60		0.19	J	2.5	1	96		01/17/2025
Sulfate	mg/L	80-120	43.4	OR	29.8		15	1	91		01/17/2025
Orthophosphate as P	mg/L	80-120	5.50		0.079	U	5	1	110		01/17/2025

Duplicate Sample Summary

Client:	Tetra Tech NUS, Inc.	SDG No.:	Q1120
Project:	NWIRP Bethpage 112G08005-WE13	Sample ID:	Q1109-01
Client ID:	TAPIAL1-MW04I-011525-00-T3MSD	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	10.5		10.6		1	1		01/17/2025

Duplicate Sample Summary

Client:	Tetra Tech NUS, Inc.	SDG No.:	Q1120
Project:	NWIRP Bethpage 112G08005-WE13	Sample ID:	Q1113-01
Client ID:	DSN002DUP	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
Ammonia as N	mg/L	+/-20	3.40	OR	3.30	OR	1	3		01/17/2025
COD	mg/L	+/-20	54.3		55.3		1	1.82		01/22/2025

Duplicate Sample Summary

Client:	Tetra Tech NUS, Inc.	SDG No.:	Q1120
Project:	NWIRP Bethpage 112G08005-WE13	Sample ID:	Q1113-01
Client ID:	DSN002MSD	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
Ammonia as N	mg/L	+/-20	4.30	OR	4.10	OR	1	5		01/17/2025
COD	mg/L	+/-20	102		101		1	0.99		01/22/2025

Duplicate Sample Summary

Client:	Tetra Tech NUS, Inc.	SDG No.:	Q1120
Project:	NWIRP Bethpage 112G08005-WE13	Sample ID:	Q1120-01
Client ID:	RW10A-20250116DUP	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	18.8		18.8		1	0.32		01/16/2025
Cyanide	mg/L	+/-20	0.0011	J	0.0010	J	1	10		01/17/2025
Sulfide	mg/L	+/-20	0.43	U	0.43	U	1	0		01/21/2025

Duplicate Sample Summary

Client:	Tetra Tech NUS, Inc.	SDG No.:	Q1120
Project:	NWIRP Bethpage 112G08005-WE13	Sample ID:	Q1120-01
Client ID:	RW10A-20250116MSD	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
Bromide	mg/L	+/-20	10.2		10.2		1	0		01/17/2025
Fluoride	mg/L	+/-20	2.10		2.10		1	0		01/17/2025
Nitrate	mg/L	+/-20	2.60		2.60		1	0		01/17/2025
Nitrite	mg/L	+/-20	3.00		3.00		1	0		01/17/2025
Chloride	mg/L	+/-20	127	OR	127	OR	1	0		01/17/2025
Sulfate	mg/L	+/-20	43.2	OR	43.4	OR	1	0		01/17/2025
Orthophosphate as P	mg/L	+/-20	5.60		5.50		1	2		01/17/2025
Cyanide	mg/L	+/-20	0.045		0.044		1	2		01/17/2025
Sulfide	mg/L	+/-20	24.0		24.2		1	0.83		01/21/2025

Laboratory Control Sample Summary

Client: Tetra Tech NUS, Inc.

SDG No.: Q1120

Project: NWIRP Bethpage 112G08005-WE13

Run No.: LB134317

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	LB134317BSW							
TOC	mg/L	10	10.3		103	1	90-110	01/17/2025

Laboratory Control Sample Summary

Client:	Tetra Tech NUS, Inc.	SDG No.:	Q1120
Project:	NWIRP Bethpage 112G08005-WE13	Run No.:	LB134320

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	LB134320BSW							
Bromide	mg/L	10	10.4		104	1	90-110	01/17/2025
Chloride	mg/L	3	3.10		103	1	90-110	01/17/2025
Fluoride	mg/L	2	2.10		105	1	90-110	01/17/2025
Nitrite	mg/L	3	3.10		103	1	90-110	01/17/2025
Nitrate	mg/L	2.5	2.60		104	1	90-110	01/17/2025
Sulfate	mg/L	15	15.5		103	1	90-110	01/17/2025
Orthophosphate as P	mg/L	5	5.40		108	1	90-110	01/17/2025

Laboratory Control Sample Summary

Client: Tetra Tech NUS, Inc.

SDG No.: Q1120

Project: NWIRP Bethpage 112G08005-WE13

Run No.: LB134322

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	LB134322BS							
BOD5	mg/L	198	192		97	1	84.6-115.4	01/16/2025

Laboratory Control Sample Summary

Client: Tetra Tech NUS, Inc.

SDG No.: Q1120

Project: NWIRP Bethpage 112G08005-WE13

Run No.: LB134365

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	LB134365BS							
COD	mg/L	50	50.3		101	1	90-110	01/22/2025

Laboratory Control Sample Summary

Client:	Tetra Tech NUS, Inc.	SDG No.:	Q1120
Project:	NWIRP Bethpage 112G08005-WE13	Run No.:	LB134325

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	PB166092BS							
Ammonia as N	mg/L	1	0.99		99	1	90-110	01/17/2025

Laboratory Control Sample Summary

Client: Tetra Tech NUS, Inc.

SDG No.: Q1120

Project: NWIRP Bethpage 112G08005-WE13

Run No.: LB134333

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	PB166125BS							
Cyanide	mg/L	0.1	0.099		99	1	85-115	01/17/2025

Laboratory Control Sample Summary

Client: Tetra Tech NUS, Inc.

SDG No.: Q1120

Project: NWIRP Bethpage 112G08005-WE13

Run No.: LB134363

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	PB166159BS							
Sulfide	mg/L	25	24.2		97	1	80-120	01/21/2025