

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 10:40			01/16/25
			Alkalinity	SM2320 B			01/22/25 14:28	
			pH	9040C			01/20/25 08:45	
			Phosphorus-Total	365.3		01/22/25	01/22/25 15:06	
			TDS	SM2540 C			01/17/25 12:30	
			TSS	SM2540 D			01/17/25 09:45	



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.:	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: ICV pH	pH	7.01	7	100	90-110	01/20/2025
Sample ID: CCV1 pH	pH	2.01	2.00	101	90-110	01/20/2025
Sample ID: CCV2 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	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV Phosphorus, Total	mg/L	0.482	0.50	96	90-110	01/22/2025
Sample ID: CCV1 Phosphorus, Total	mg/L	0.490	0.50	98	90-110	01/22/2025
Sample ID: CCV2 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: ICB Phosphorus, Total	mg/L	0.008	0.0250	J	0.0047	0.05	01/22/2025
Sample ID: CCB1 Phosphorus, Total	mg/L	0.008	0.0250	J	0.0047	0.05	01/22/2025
Sample ID: CCB2 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: LB134326BL TDS	mg/L	< 5.0000	5.0000	U	1.0	10	01/17/2025
Sample ID: LB134342BL TSS	mg/L	< 2.0000	2.0000	U	1	4	01/17/2025
Sample ID: LB134367BL Alkalinity	mg/L	< 1.0000	1.0000	U	1	2	01/22/2025
Sample ID: PB166181BL Phosphorus, Total	mg/L	0.008	0.0250	J	0.005	0.05	01/22/2025

Matrix Spike Summary

Client:	Tetra Tech NUS, Inc.	SDG No.:	Q1122
Project:	NWIRP Bethpage 112G08005-WE13	Sample ID:	Q1122-01
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
Phosphorus, Total	mg/L	90-110	0.48		0.016	J	0.5	1	93		01/22/2025

Matrix Spike Summary

Client:	Tetra Tech NUS, Inc.	SDG No.:	Q1122
Project:	NWIRP Bethpage 112G08005-WE13	Sample ID:	Q1122-01
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
Phosphorus, Total	mg/L	90-110	0.48		0.016	J	0.5	1	93		01/22/2025

Duplicate Sample Summary

Client:	Tetra Tech NUS, Inc.	SDG No.:	Q1122
Project:	NWIRP Bethpage 112G08005-WE13	Sample ID:	Q1111-01
Client ID:	DRAIN WATER TANK-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
TSS	mg/L	+/-5	290		294		1	1.37		01/17/2025

Duplicate Sample Summary

Client:	Tetra Tech NUS, Inc.	SDG No.:	Q1122
Project:	NWIRP Bethpage 112G08005-WE13	Sample ID:	Q1122-01
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
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

Client: Tetra Tech NUS, Inc.	SDG No.: Q1122
Project: NWIRP Bethpage 112G08005-WE13	Sample ID: Q1122-01
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
Phosphorus, Total	mg/L	+/-20	0.48		0.48		1	0.62		01/22/2025

Laboratory Control Sample Summary

Client: Tetra Tech NUS, Inc.

SDG No.: Q1122

Project: NWIRP Bethpage 112G08005-WE13

Run No.: 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

Client: Tetra Tech NUS, Inc.

SDG No.: Q1122

Project: NWIRP Bethpage 112G08005-WE13

Run No.: 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

Client:	Tetra Tech NUS, Inc.	SDG No.:	Q1122
Project:	NWIRP Bethpage 112G08005-WE13	Run No.:	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

Client: Tetra Tech NUS, Inc.

SDG No.: Q1122

Project: NWIRP Bethpage 112G08005-WE13

Run No.: 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