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

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	

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

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-SP100-20250708**	**Water**			**07/08/25 13:05**		**07/09/25**
			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-SP100-20250708DL**	**WATER**			**07/08/25 13:05**		**07/09/25**
			Anions Group1	300.0		07/09/25 15:19	

SAMPLE DATA

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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		0.37	U	10	1	102		07/09/2025
Chloride	mg/L	80-120	14.3	OR	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

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

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		0.37	U	10	1	99		07/09/2025
Chloride	mg/L	80-120	14.2	OR	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

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

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

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

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

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

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**

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

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

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

Duplicate Sample Summary

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

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

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

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

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		2.00		1	0		07/09/2025
Chloride	mg/L	+/-20	14.3	OR	14.2	OR	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

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

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

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

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

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

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

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

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

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

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

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

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

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

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**

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

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

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

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**

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

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

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

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

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

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