

LAB CHRONICLE

OrderID:	Q3527	OrderDate:	11/3/2025 9:29:00 AM
Client:	Tetra Tech NUS, Inc.	Project:	NWIRP Bethpage 112G08005-WE13
Contact:	Ernie Wu	Location:	J32

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3527-01	RW8-SP100-20251030	Water			10/30/25			11/03/25
			SVOC-SIMGroup1	8270-Modified		11/03/25	11/04/25	
Q3527-02	RW8-SP303-20251030	Water			10/30/25			11/03/25
			SVOC-SIMGroup1	8270-Modified		11/03/25	11/04/25	



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

Hit Summary Sheet
SW-846

SDG No.: Q3527
Client: Tetra Tech NUS, Inc.

Sample ID	Client ID	Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID :	RW8-SP100-20251030							
Q3527-01	RW8-SP100-20251030	WATER	1,4-Dioxane	0.070	JQ	0.07	0.2	0.2 ug/L
Total Svoc :				0.07				
Total Concentration:				0.07				



SAMPLE DATA

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	10/30/25
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	11/03/25
Client Sample ID:	RW8-SP100-20251030		SDG No.:	Q3527
Lab Sample ID:	Q3527-01		Matrix:	Water
Analytical Method:	SW8270ESIM	Level: LOW	% Solid:	0
Sample Wt/Vol:	1000 mL	Final Vol: 1000 uL	Test:	SVOC-SIMGroup1
Prep Method :	3510C	Prep Date: 11/03/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS										
123-91-1	1,4-Dioxane	0.070	JQ	1	0.070	0.20	0.20	ug/L	11/04/25 18:22	PB170381
SURROGATES										
7297-45-2	2-Methylnaphthalene-d10	0.34			30 - 150		84%	SPK: 0.4		
93951-69-0	Fluoranthene-d10	0.36			30 - 150		89%	SPK: 0.4		
4165-60-0	Nitrobenzene-d5	0.34			55 - 111		85%	SPK: 0.4		
321-60-8	2-Fluorobiphenyl	0.35			53 - 106		87%	SPK: 0.4		
1718-51-0	Terphenyl-d14	0.59	*		58 - 132		148%	SPK: 0.4		
INTERNAL STANDARDS										
		Area Count								
3855-82-1	1,4-Dichlorobenzene-d4	8520								
1146-65-2	Naphthalene-d8	24900								
15067-26-2	Acenaphthene-d10	14100								
1517-22-2	Phenanthrene-d10	26500								
1719-03-5	Chrysene-d12	14900								
1520-96-3	Perylene-d12	12100								

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	10/30/25
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	11/03/25
Client Sample ID:	RW8-SP303-20251030		SDG No.:	Q3527
Lab Sample ID:	Q3527-02		Matrix:	Water
Analytical Method:	SW8270ESIM	Level: LOW	% Solid:	0
Sample Wt/Vol:	1000 mL	Final Vol: 1000 uL	Test:	SVOC-SIMGroup1
Prep Method :	3510C	Prep Date: 11/03/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS										
123-91-1	1,4-Dioxane	0.20	UQ	1	0.070	0.20	0.20	ug/L	11/04/25 18:59	PB170381
SURROGATES										
7297-45-2	2-Methylnaphthalene-d10	0.34			30 - 150		85%	SPK: 0.4		
93951-69-0	Fluoranthene-d10	0.34			30 - 150		84%	SPK: 0.4		
4165-60-0	Nitrobenzene-d5	0.36			55 - 111		90%	SPK: 0.4		
321-60-8	2-Fluorobiphenyl	0.40			53 - 106		101%	SPK: 0.4		
1718-51-0	Terphenyl-d14	0.52			58 - 132		129%	SPK: 0.4		
INTERNAL STANDARDS		Area Count								
3855-82-1	1,4-Dichlorobenzene-d4	8020								
1146-65-2	Naphthalene-d8	22400								
15067-26-2	Acenaphthene-d10	11600								
1517-22-2	Phenanthrene-d10	19700								
1719-03-5	Chrysene-d12	12300								
1520-96-3	Perylene-d12	11500								

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QC SUMMARY

Surrogate Summary

SW-846

SDG No.: Q3527

Client: Tetra Tech NUS, Inc.

Analytical Method: 8270-Modified

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
							Low	High
PB170381BL	PB170381BL	2-Methylnaphthalene-d10	0.4	0.33	83		30	150
		Fluoranthene-d10	0.4	0.35	88		30	150
		Nitrobenzene-d5	0.4	0.35	88		55	111
		2-Fluorobiphenyl	0.4	0.39	97		53	106
		Terphenyl-d14	0.4	0.46	114		58	132
PB170381BS	PB170381BS	2-Methylnaphthalene-d10	0.4	0.35	88		30	150
		Fluoranthene-d10	0.4	0.30	76		30	150
		Nitrobenzene-d5	0.4	0.37	92		55	111
		2-Fluorobiphenyl	0.4	0.42	104		53	106
		Terphenyl-d14	0.4	0.48	121		58	132
PB170381BSD	PB170381BSD	2-Methylnaphthalene-d10	0.4	0.29	73		30	150
		Fluoranthene-d10	0.4	0.25	63		30	150
		Nitrobenzene-d5	0.4	0.31	76		55	111
		2-Fluorobiphenyl	0.4	0.32	81		53	106
		Terphenyl-d14	0.4	0.36	91		58	132
Q3527-01	RW8-SP100-20251030	2-Methylnaphthalene-d10	0.4	0.34	84		30	150
		Fluoranthene-d10	0.4	0.36	89		30	150
		Nitrobenzene-d5	0.4	0.34	85		55	111
		2-Fluorobiphenyl	0.4	0.35	87		53	106
		Terphenyl-d14	0.4	0.59	148	*	58	132
Q3527-02	RW8-SP303-20251030	2-Methylnaphthalene-d10	0.4	0.34	85		30	150
		Fluoranthene-d10	0.4	0.34	84		30	150
		Nitrobenzene-d5	0.4	0.36	90		55	111
		2-Fluorobiphenyl	0.4	0.40	101		53	106
		Terphenyl-d14	0.4	0.52	129		58	132

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3527

Analytical Method: 8270-Modified

Client: Tetra Tech NUS, Inc.

DataFile: BN038132.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB170381BS	1,4-Dioxane	0.4	0.33	ug/L	83				70	130	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3527

Analytical Method: 8270-Modified

Client: Tetra Tech NUS, Inc.

DataFile: BN038133.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Low	Limits		RPD
								Qual			High		
PB170381BSD	1,4-Dioxane	0.4	0.26	ug/L	65	24	*	*		70	130		20

4B

SEMIVOLATILE METHOD BLANK SUMMARY

Client ID

PB170381BL

Lab Name: Alliance

Contract: TETR06

Lab Code: ACE

SDG NO.: Q3527

Lab File ID: BN038131.D

Lab Sample ID: PB170381BL

Instrument ID: BNA_N

Date Extracted: 11/03/2025

Matrix: (soil/water) Water

Date Analyzed: 11/04/2025

Level: (low/med) LOW

Time Analyzed: 11:43

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB170381BS	PB170381BS	BN038132.D	11/04/2025
PB170381BSD	PB170381BSD	BN038133.D	11/04/2025
RW8-SP100-20251030	Q3527-01	BN038142.D	11/04/2025
RW8-SP303-20251030	Q3527-02	BN038143.D	11/04/2025

COMMENTS: _____

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance
Lab Code: ACE
Lab File ID: BN038110.D
Instrument ID: BNA_N

Contract: TETR06
SDG NO.: Q3527
DFTPP Injection Date: 10/28/2025
DFTPP Injection Time: 12:05

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.7 (1.8) 1
69	Mass 69 relative abundance	100
70	Less than 2.0% of mass 69	0.2 (0.5) 1
197	Less than 2.0% of mass 198	0.2
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.5
365	Greater than 1% of mass 198	3.4
441	Present, but less than mass 443	83.9
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	17 (19.9) 2

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDICC0.1	SSTDICC0.1	BN038111.D	10/28/2025	13:00
SSTDICC0.2	SSTDICC0.2	BN038112.D	10/28/2025	13:36
SSTDICCC0.4	SSTDICCC0.4	BN038113.D	10/28/2025	14:13
SSTDICC0.8	SSTDICC0.8	BN038114.D	10/28/2025	14:49
SSTDICC1.6	SSTDICC1.6	BN038115.D	10/28/2025	15:25
SSTDICC3.2	SSTDICC3.2	BN038116.D	10/28/2025	16:02
SSTDICC5.0	SSTDICC5.0	BN038117.D	10/28/2025	16:38

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance
Lab Code: ACE
Lab File ID: BN038129.D
Instrument ID: BNA_N

Contract: TETR06
SDG NO.: Q3527
DFTPP Injection Date: 11/04/2025
DFTPP Injection Time: 10:00

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.7 (1.8) 1
69	Mass 69 relative abundance	100
70	Less than 2.0% of mass 69	0.2 (0.5) 1
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.9
365	Greater than 1% of mass 198	3.8
441	Present, but less than mass 443	77.2
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19 (20) 2

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC0.4	SSTDCCC0.4	BN038130.D	11/04/2025	10:40
PB170381BL	PB170381BL	BN038131.D	11/04/2025	11:43
PB170381BS	PB170381BS	BN038132.D	11/04/2025	12:19
PB170381BSD	PB170381BSD	BN038133.D	11/04/2025	12:56
RW8-SP100-20251030	Q3527-01	BN038142.D	11/04/2025	18:22
RW8-SP303-20251030	Q3527-02	BN038143.D	11/04/2025	18:59
SSTDCCC0.4EC	SSTDCCC0.4	BN038145.D	11/04/2025	20:12

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE

SDG NO.: Q3527

Client ID : SSTDCCC0.4

Date Analyzed: 11/04/2025

Lab File ID: BN038130.D

Time Analyzed: 10:40

Instrument ID: BNA_N

GC Column: ZB-GR ID: 0.25 (mm)

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	8599	7.775	24973	10.57	13947	14.44
UPPER LIMIT	17198	8.275	49946	11.073	27894	14.941
LOWER LIMIT	4299.5	7.275	12486.5	10.073	6973.5	13.941
EPA SAMPLE NO.						
01 RW8-SP100-20251030	8515	7.78	24948	10.57	14106	14.43
02 RW8-SP303-20251030	8023	7.78	22420	10.57	11638	14.43
03 PB170381BL	8221	7.79	22221	10.59	11601	14.44
04 PB170381BS	11523	7.78	31801	10.57	16154	14.44
05 PB170381BSD	10823	7.78	30534	10.57	15616	14.43

IS1 (DCB) = 1,4-Dichlorobenzene-d4

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.

* Values outside of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE

SDG NO.: Q3527

Client ID: SSTDCCC0.4

Date Analyzed: 11/04/2025

Lab File ID: BN038130.D

Time Analyzed: 10:40

Instrument ID: BNA_N

GC Column: ZB-GR ID: 0.25 (mm)

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	27056	17.186	17059	21.375	13607	23.686
UPPER LIMIT	54112	17.686	34118	21.875	27214	24.186
LOWER LIMIT	13528	16.686	8529.5	20.875	6803.5	23.186
EPA SAMPLE NO.						
01 RW8-SP100-20251030	26508	17.19	14881	21.38	12146	23.68
02 RW8-SP303-20251030	19728	17.19	12346	21.38	11504	23.68
03 PB170381BL	21781	17.20	15202	21.38	13241	23.70
04 PB170381BS	30417	17.19	16510	21.38	13194	23.69
05 PB170381BSD	28756	17.19	18053	21.38	14856	23.68

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.

* Values outside of QC limits.



QC SAMPLE DATA

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	
Client Sample ID:	PB170381BL		SDG No.:	Q3527
Lab Sample ID:	PB170381BL		Matrix:	Water
Analytical Method:	SW8270ESIM	Level: LOW	% Solid:	0
Sample Wt/Vol:	1000 mL	Final Vol: 1000 uL	Test:	SVOC-SIMGroup1
Prep Method :	3510C	Prep Date: 11/03/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS										
123-91-1	1,4-Dioxane	0.20	U	1	0.070	0.20	0.20	ug/L	11/04/25 11:43	PB170381
SURROGATES										
7297-45-2	2-Methylnaphthalene-d10	0.33			30 - 150		83%	SPK: 0.4		
93951-69-0	Fluoranthene-d10	0.35			30 - 150		88%	SPK: 0.4		
4165-60-0	Nitrobenzene-d5	0.35			55 - 111		88%	SPK: 0.4		
321-60-8	2-Fluorobiphenyl	0.39			53 - 106		97%	SPK: 0.4		
1718-51-0	Terphenyl-d14	0.46			58 - 132		114%	SPK: 0.4		
INTERNAL STANDARDS		Area Count								
3855-82-1	1,4-Dichlorobenzene-d4	8220								
1146-65-2	Naphthalene-d8	22200								
15067-26-2	Acenaphthene-d10	11600								
1517-22-2	Phenanthrene-d10	21800								
1719-03-5	Chrysene-d12	15200								
1520-96-3	Perylene-d12	13200								

U = Not Detected

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J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

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D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	
Client Sample ID:	PB170381BS		SDG No.:	Q3527
Lab Sample ID:	PB170381BS		Matrix:	Water
Analytical Method:	SW8270ESIM	Level: LOW	% Solid:	0
Sample Wt/Vol:	1000 mL	Final Vol: 1000 uL	Test:	SVOC-SIMGroup1
Prep Method :	3510C	Prep Date: 11/03/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS										
123-91-1	1,4-Dioxane	0.33		1	0.070	0.20	0.20	ug/L	11/04/25 12:19	PB170381
SURROGATES										
7297-45-2	2-Methylnaphthalene-d10	0.35			30 - 150		88%	SPK: 0.4		
93951-69-0	Fluoranthene-d10	0.30			30 - 150		76%	SPK: 0.4		
4165-60-0	Nitrobenzene-d5	0.37			55 - 111		92%	SPK: 0.4		
321-60-8	2-Fluorobiphenyl	0.42			53 - 106		104%	SPK: 0.4		
1718-51-0	Terphenyl-d14	0.48			58 - 132		121%	SPK: 0.4		
INTERNAL STANDARDS		Area Count								
3855-82-1	1,4-Dichlorobenzene-d4	11500								
1146-65-2	Naphthalene-d8	31800								
15067-26-2	Acenaphthene-d10	16200								
1517-22-2	Phenanthrene-d10	30400								
1719-03-5	Chrysene-d12	16500								
1520-96-3	Perylene-d12	13200								

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Report of Analysis

Client: Tetra Tech NUS, Inc.
Project: NWIRP Bethpage 112G08005-WE13
Client Sample ID: PB170381BSD
Lab Sample ID: PB170381BSD
Analytical Method: SW8270ESIM Level: LOW
Sample Wt/Vol: 1000 mL Final Vol: 1000 uL
Prep Method : 3510C Prep Date: 11/03/25

Date Collected:
Date Received:
SDG No.: Q3527
Matrix: Water
% Solid: 0
Test: SVOC-SIMGroup1

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS										
123-91-1	1,4-Dioxane	0.26		1	0.070	0.20	0.20	ug/L	11/04/25 12:56	PB170381
SURROGATES										
7297-45-2	2-Methylnaphthalene-d10	0.29			30 - 150		73%	SPK: 0.4		
93951-69-0	Fluoranthene-d10	0.25			30 - 150		63%	SPK: 0.4		
4165-60-0	Nitrobenzene-d5	0.31			55 - 111		76%	SPK: 0.4		
321-60-8	2-Fluorobiphenyl	0.32			53 - 106		81%	SPK: 0.4		
1718-51-0	Terphenyl-d14	0.36			58 - 132		91%	SPK: 0.4		
INTERNAL STANDARDS										
		Area Count								
3855-82-1	1,4-Dichlorobenzene-d4	10800								
1146-65-2	Naphthalene-d8	30500								
15067-26-2	Acenaphthene-d10	15600								
1517-22-2	Phenanthrene-d10	28800								
1719-03-5	Chrysene-d12	18100								
1520-96-3	Perylene-d12	14900								

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CALIBRATION SUMMARY

Method Path : Z:\svoasrv\HPCHEM1\BNA_N\Methods\
 Method File : 8270-SIM-BN102825.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Wed Oct 29 13:09:46 2025
 Response Via : Initial Calibration

Calibration Files

0.1 =BN038111.D 0.2 =BN038112.D 0.4 =BN038113.D 0.8 =BN038114.D 1.6 =BN038115.D 3.2 =BN038116.D 5 =BN038117.D

	Compound	0.1	0.2	0.4	0.8	1.6	3.2	5	Avg	%RSD

1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.446	0.424	0.405	0.416	0.400	0.389	0.413	4.87	
3)	n-Nitrosodimet...	0.528	0.537	0.527	0.547	0.534	0.518	0.532	1.85	
4) S	2-Fluorophenol	1.066	0.973	0.954	0.907	0.918	0.895	0.882	0.942	6.73
5) S	Phenol-d6	1.266	1.134	1.134	1.097	1.131	1.135	1.137	1.148	4.71
6)	bis(2-Chloroet...	1.164	1.140	1.126	1.122	1.148	1.114	1.079	1.128	2.42
7) I	Naphthalene-d8	-----ISTD-----								
8) S	Nitrobenzene-d5	0.403	0.312	0.313	0.301	0.316	0.307	0.307	0.323	11.11
9)	Naphthalene	1.139	1.097	1.081	1.080	1.125	1.107	1.084	1.102	2.08
10)	Hexachlorobuta...	0.198	0.187	0.187	0.182	0.188	0.183	0.177	0.186	3.49
11) SURR2	Methylnaphth...	0.581	0.569	0.551	0.549	0.586	0.584	0.579	0.571	2.69
12)	2-Methylnaphth...	0.765	0.712	0.709	0.713	0.757	0.749	0.738	0.735	3.22
13) I	Acenaphthene-d10	-----ISTD-----								
14) S	2,4,6-Tribromo...	0.156	0.151	0.149	0.152	0.171	0.182	0.194	0.165	10.70
15) S	2-Fluorobiphenyl	1.794	1.649	1.577	1.570	1.615	1.514	1.495	1.602	6.24
16)	Acenaphthylene	1.768	1.728	1.711	1.764	1.891	1.912	1.908	1.811	4.88
17)	Acenaphthene	1.260	1.242	1.211	1.234	1.318	1.310	1.297	1.267	3.25
18)	Fluorene	1.549	1.618	1.596	1.635	1.768	1.731	1.729	1.661	4.93
19) I	Phenanthrene-d10	-----ISTD-----								
20)	4,6-Dinitro-2-...	0.041	0.045	0.051	0.064	0.073		0.055	24.55	
21)	4-Bromophenyl-...	0.260	0.251	0.250	0.256	0.274	0.271	0.275	0.262	4.06
22)	Hexachlorobenzene	0.304	0.292	0.298	0.293	0.306	0.297	0.298	0.298	1.76
23)	Atrazine	0.190	0.176	0.176	0.179	0.203	0.209	0.211	0.192	8.19
24)	Pentachlorophenol	0.112	0.108	0.113	0.132	0.146	0.159	0.128	16.16	
25)	Phenanthrene	1.281	1.231	1.224	1.236	1.327	1.293	1.298	1.270	3.12
26)	Anthracene	1.076	1.029	1.047	1.057	1.182	1.183	1.202	1.111	6.72
27) SURR	Fluoranthene-d10	1.040	0.969	0.957	0.981	1.050	1.055	1.009	1.009	4.01
28)	Fluoranthene	1.448	1.349	1.345	1.394	1.492	1.491	1.414	1.419	4.30
29) I	Chrysene-d12	-----ISTD-----								
30)	Pyrene	1.834	1.853	1.842	1.664	1.835	1.766	1.846	1.806	3.82
31) S	Terphenyl-d14	0.878	0.881	0.872	0.807	0.892	0.862	0.891	0.869	3.37
32)	Benzo(a)anthra...	1.491	1.379	1.358	1.363	1.469	1.474	1.456	1.427	4.06
33)	Chrysene	1.623	1.586	1.543	1.523	1.558	1.518	1.490	1.549	2.91
34)	Bis(2-ethylhex...	0.910	0.722	0.700	0.721	0.754	0.703	0.752	10.60	
35) I	Perylene-d12	-----ISTD-----								

Method Path : Z:\svoasrv\HPCHEM1\BNA_N\Methods\

Method File : 8270-SIM-BN102825.M

36)	Indeno(1,2,3-c...	1.521	1.512	1.604	1.620	1.730	1.739	1.778	1.643	6.53
37)	Benzo(b)fluora...	1.603	1.543	1.630	1.729	1.806	1.839	1.822	1.710	6.94
38)	Benzo(k)fluora...	1.652	1.590	1.619	1.669	1.831	1.835	1.855	1.721	6.62
39) C	Benzo(a)pyrene	1.344	1.276	1.316	1.314	1.420	1.451	1.462	1.369	5.44
40)	Dibenzo(a,h)an...	1.149	1.150	1.196	1.240	1.352	1.363	1.402	1.265	8.42
41)	Benzo(g,h,i)pe...	1.402	1.365	1.426	1.432	1.499	1.477	1.509	1.444	3.66

(#) = Out of Range

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>TETR06</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3527</u>
Instrument ID:	<u>BNA_N</u>	Calibration Date/Time:	<u>11/04/2025 10:40</u>
Lab File ID:	<u>BN038130.D</u>	Init. Calib. Date(s):	<u>10/28/2025 10/28/2025</u>
EPA Sample No.:	<u>SSTDCCC0.4</u>	Init. Calib. Time(s):	<u>13:00 16:38</u>
GC Column:	<u>ZB-GR</u>	ID:	<u>0.25</u> (mm)

COMPOUND	RRF	RRF0.4	MIN RRF	%D	MAX%D
2-Methylnaphthalene-d10	0.571	0.541		-5.3	20.0
Fluoranthene-d10	1.008	0.889		-11.8	20.0
2-Fluorophenol	0.943	0.856		-9.2	20.0
Phenol-d6	1.148	1.025		-10.7	20.0
Nitrobenzene-d5	0.323	0.277		-14.2	20.0
2-Fluorobiphenyl	1.602	1.514		-5.5	20.0
2,4,6-Tribromophenol	0.165	0.134		-18.8	20.0
Terphenyl-d14	0.869	0.916		5.4	20.0
1,4-Dioxane	0.416	0.433		4.1	20.0

All other compounds must meet a minimum RRF of 0.010.

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: TETR06
Lab Code: ACE SDG No.: Q3527
Instrument ID: BNA_N Calibration Date/Time: 11/04/2025 20:12
Lab File ID: BN038145.D Init. Calib. Date(s): 10/28/2025 10/28/2025
EPA Sample No.: SSTDCCC0.4EC Init. Calib. Time(s): 13:00 16:38
GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF0.4	MIN RRF	%D	MAX%D
2-Methylnaphthalene-d10	0.571	0.538		-5.8	50.0
Fluoranthene-d10	1.008	0.826		-18.1	50.0
2-Fluorophenol	0.943	0.881		-6.6	50.0
Phenol-d6	1.148	1.042		-9.2	50.0
Nitrobenzene-d5	0.323	0.273		-15.5	50.0
2-Fluorobiphenyl	1.602	1.511		-5.7	50.0
2,4,6-Tribromophenol	0.165	0.126		-23.6	50.0
Terphenyl-d14	0.869	0.962		10.7	50.0
1,4-Dioxane	0.416	0.430		3.4	50.0

All other compounds must meet a minimum RRF of 0.010.



LAB CHRONICLE

OrderID:	Q3527	OrderDate:	11/3/2025 9:29:00 AM
Client:	Tetra Tech NUS, Inc.	Project:	NWIRP Bethpage 112G08005-WE13
Contact:	Ernie Wu	Location:	J32

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3527-01	RW8-SP100-20251030	Water			10/30/25			11/03/25
			Metals Group4	6010D		11/03/25	11/04/25	
Q3527-02	RW8-SP303-20251030	Water			10/30/25			11/03/25
			Metals Group4	6010D		11/03/25	11/04/25	



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Hit Summary Sheet
SW-846

SDG No.: Q3527

Order ID: Q3527

Client: Tetra Tech NUS, Inc.

Project ID: NWIRP Bethpage 112G08005-WE13

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID : RW8-SP100-20251030									
Q3527-01	RW8-SP100-20251030	Water	Iron	668		11.7	40.0	50.0	ug/L
Client ID : RW8-SP303-20251030									
Q3527-02	RW8-SP303-20251030	Water	Iron	40.2	J	11.7	40.0	50.0	ug/L



SAMPLE DATA

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	10/30/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	11/03/25
Client Sample ID:	RW8-SP100-20251030	SDG No.:	Q3527
Lab Sample ID:	Q3527-01	Matrix:	Water
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7439-89-6	Iron	668		1	11.7	40.0	50.0	ug/L	11/03/25 11:55	11/04/25 16:18	6010D	SW3010

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

D = Dilution

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

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

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

OR = Over Range

N = Spiked sample recovery not within control limits

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	10/30/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	11/03/25
Client Sample ID:	RW8-SP303-20251030	SDG No.:	Q3527
Lab Sample ID:	Q3527-02	Matrix:	Water
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7439-89-6	Iron	40.2	J	1	11.7	40.0	50.0	ug/L	11/03/25 11:55	11/04/25 16:23	6010D	SW3010

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

D = Dilution

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

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

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

OR = Over Range

N =Spiked sample recovery not within control limits



METAL CALIBRATION DATA

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Tetra Tech NUS, Inc.

SDG No.: Q3527

Contract: TETR06

Lab Code: ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV01	Iron	4030	4000	101	90 - 110	P	11/04/2025	11:58	LB137761

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Tetra Tech NUS, Inc.

SDG No.: Q3527

Contract: TETR06

Lab Code: ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
LLICV01	Iron	101	100	101	80 - 120	P	11/04/2025	12:16	LB137761

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Tetra Tech NUS, Inc.

SDG No.: Q3527

Contract: TETR06

Lab Code: ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV01	Iron	5010	5000	100	90 - 110	P	11/04/2025	12:56	LB137761
CCV02	Iron	5090	5000	102	90 - 110	P	11/04/2025	13:55	LB137761
CCV03	Iron	5000	5000	100	90 - 110	P	11/04/2025	15:06	LB137761
CCV04	Iron	5000	5000	100	90 - 110	P	11/04/2025	16:10	LB137761
CCV05	Iron	5030	5000	101	90 - 110	P	11/04/2025	16:55	LB137761



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Metals

- 2b -

CRDL STANDARD FOR AA & ICP

Client: Tetra Tech NUS, Inc.

SDG No.: Q3527

Contract: TETR06

Lab Code: ACE

Initial Calibration Source: _____

Continuing Calibration Source: _____

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CRI01	Iron	103	100	103	65 - 135	P	11/04/2025	12:24	LB137761



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Fax : 908 789 8922

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Tetra Tech NUS, Inc.

SDG No.: Q3527

Contract: TETR06

Lab Code: ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB01	Iron	23.4	+/-50	U	80.0	100	P	11/04/2025	12:20	LB137761

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Tetra Tech NUS, Inc.

SDG No.: Q3527

Contract: TETR06

Lab Code: ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB01	Iron	31.4	+/-50	J	80.0	100	P	11/04/2025	13:00	LB137761
CCB02	Iron	23.4	+/-50	U	80.0	100	P	11/04/2025	14:03	LB137761
CCB03	Iron	23.4	+/-50	U	80.0	100	P	11/04/2025	15:10	LB137761
CCB04	Iron	23.4	+/-50	U	80.0	100	P	11/04/2025	16:14	LB137761
CCB05	Iron	23.4	+/-50	U	80.0	100	P	11/04/2025	16:59	LB137761

Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: Tetra Tech NUS, Inc.

SDG No.: Q3527

Instrument: P4

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	LOD ug/L	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB170382BL		WATER		Batch Number:		PB170382		Prep Date:	11/03/2025	
	Iron	11.7	<25	U	40.0	50.0	P	11/04/2025	16:02	LB137761

Metals

- 4 -

INTERFERENCE CHECK SAMPLE

Client: Tetra Tech NUS, Inc.

SDG No.: Q3527

Contract: TETR06

Lab Code: ACE

ICS Source: EPA

Instrument ID: P4

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Low Limit (ug/L)	High Limit (ug/L)	Analysis Date	Analysis Time	Run Number
ICSA01	Iron	99300	101000	98	85600	116500	11/04/2025	12:34	LB137761
ICSAB01	Iron	99600	99300	100	84400	114500	11/04/2025	12:38	LB137761



METAL QC DATA



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metals
- 5a -
MATRIX SPIKE SUMMARY

client:

Tetra Tech NUS, Inc.

level:

low

sdg no.:

Q3527

contract:

TETR06

lab code:

ACE

matrix:

Water

sample id:

Q3527-02

client id:

RW8-SP303-20251030MS

Percent Solids for Sample:

NA

Spiked ID:

Q3527-02MS

Percent Solids for Spike Sample:

NA

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Iron	ug/L	87 - 115	1460		40.2	J	1500	95		P



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metals
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client:

Tetra Tech NUS, Inc.

level:

low

sdg no.:

Q3527

contract:

TETR06

lab code:

ACE

matrix:

Water

sample id:

Q3527-02

client id:

RW8-SP303-20251030MSD

Percent Solids for Sample:

NA

Spiked ID:

Q3527-02MSD

Percent Solids for Spike Sample:

NA

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Iron	ug/L	87 - 115	1500		40.2	J	1500	98		P

Metals
- 5b -

Client: Tetra Tech NUS, Inc.

SDG No.: Q3527

Contract: TETR06

Lab Code: ACE

Matrix: _____

Level: LOW

Client ID: _____

Sample ID: _____ **Spiked ID:** _____

Analyte	Units	Acceptance Limit %R	C	Sample Result	C	Spike Added	% Recovery	Qual	M
---------	-------	------------------------	---	------------------	---	----------------	---------------	------	---

.....

A
B
C
D
E
F
G
H

Metals

- 6 -

DUPLICATE SAMPLE SUMMARY

Client:	<u>Tetra Tech NUS, Inc.</u>	Level:	<u>LOW</u>	SDG No.:	<u>Q3527</u>
Contract:	<u>TETR06</u>			Lab Code:	<u>ACE</u>
Matrix:	<u>Water</u>	Sample ID:	<u>Q3527-02</u>	Client ID:	<u>RW8-SP303-20251030DUP</u>
Percent Solids for Sample:	NA	Duplicate ID	Q3527-02DUP	Percent Solids for Spike Sample:	NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Iron	ug/L	20	40.2	J	44.1	J	9		P

Metals

- 6 -

DUPLICATE SAMPLE SUMMARY

Client:	<u>Tetra Tech NUS, Inc.</u>	Level:	<u>LOW</u>	SDG No.:	<u>Q3527</u>
Contract:	<u>TETR06</u>			Lab Code:	<u>ACE</u>
Matrix:	<u>Water</u>	Sample ID:	<u>Q3527-02MS</u>	Client ID:	<u>RW8-SP303-20251030MSD</u>
Percent Solids for Sample:	NA	Duplicate ID	Q3527-02MSD	Percent Solids for Spike Sample:	NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Iron	ug/L	20	1460		1500		3		P

Metals

- 7 -

LABORATORY CONTROL SAMPLE SUMMARY

Client: Tetra Tech NUS, Inc.

SDG No.: Q3527

Contract: TETR06

Lab Code: ACE

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB170382BS Iron	ug/L	1500	1470		98	87 - 115	P

Metals
-9 -
ICP SERIAL DILUTIONS

SAMPLE NO.

RW8-SP303-20251030L

Lab Name: Alliance **Contract:** TETR06
Lab Code: ACE **Lb No.:** lb137761 **Lab Sample ID :** Q3527-02L **SDG No.:** Q3527
Matrix (soil/water): Water **Level (low/med):** LOW
Concentration Units: ug/L

Analyte	Initial Sample Result (I)		Serial Dilution Result (S)		% Differ- ence	Q	M
	C		C				
Iron	40.2	J	250	U	100.0		P



METAL PREPARATION & INSTRUMENT DATA

Metals

- 11 -

ICP INTERELEMENT CORRECTION FACTORS

Client: Tetra Tech NUS, Inc.

SDG No.: Q3527

Contract: TETR06

Lab Code: ACE

Instrument ID:

Date:

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave- Length (nm)	ICP Interement Correction Factors For:				
		Al	Ca	Fe	Mg	Ag
Iron	240.488	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Metals

- 11 -

ICP INTERELEMENT CORRECTION FACTORS

Client: Tetra Tech NUS, Inc.

SDG No.: Q3527

Contract: TETR06

Lab Code: ACE

Instrument ID:

Date:

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave- Length (nm)	ICP Interelement Correction Factors For:				
		As	Ba	Be	Cd	Co
Iron	240.488	0.0000000	0.0000000	0.0000000	0.0000000	-0.0039600

Metals

- 11 -

ICP INTERELEMENT CORRECTION FACTORS

Client: Tetra Tech NUS, Inc.

SDG No.: Q3527

Contract: TETR06

Lab Code: ACE

Instrument ID:

Date:

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave- Length (nm)	ICP Interelement Correction Factors For:				
		Cr	Cu	K	Mn	Mo
Iron	240.488	0.0000000	0.0000000	0.0000730	0.0000000	-0.0015250

Metals

- 11 -

ICP INTERELEMENT CORRECTION FACTORS

Client: Tetra Tech NUS, Inc.

SDG No.: Q3527

Contract: TETR06

Lab Code: ACE

Instrument ID: _____

Date: _____

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave- Length (nm)	ICP Interement Correction Factors For:				
		Na	Ni	Pb	Sb	Se
Iron	240.488	0.0000000	-0.0017000	0.0000000	0.0000000	0.0000000

Metals

- 11 -

ICP INTERELEMENT CORRECTION FACTORS

Client: Tetra Tech NUS, Inc.

SDG No.: Q3527

Contract: TETR06

Lab Code: ACE

Instrument ID: _____

Date: _____

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave- Length (nm)	ICP Interelement Correction Factors For:				
		Sn	Ti	Tl	V	Zn
Iron	240.488	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

METAL PREPARATION & ANALYICAL SUMMARY

Metals

- 13 -

SAMPLE PREPARATION SUMMARY

Client: Tetra Tech NUS, Inc.

SDG No.: Q3527

Contract: TETR06

Lab Code: ACE

Method: _____

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(mL)	Final Sample Volume (mL)	Percent Solids
Batch Number: PB170382							
PB170382BL	PB170382BL	MB	WATER	11/03/2025	50.0	25.0	
PB170382BS	PB170382BS	LCS	WATER	11/03/2025	50.0	25.0	
Q3527-01	RW8-SP100-20251030	SAM	WATER	11/03/2025	50.0	25.0	
Q3527-02	RW8-SP303-20251030	SAM	WATER	11/03/2025	50.0	25.0	
Q3527-02DUP	RW8-SP303-20251030DUP	DUP	WATER	11/03/2025	50.0	25.0	
Q3527-02MS	RW8-SP303-20251030MS	MS	WATER	11/03/2025	50.0	25.0	
Q3527-02MSD	RW8-SP303-20251030MSD	MSD	WATER	11/03/2025	50.0	25.0	

metals
- 14 -
ANALYSIS RUN LOG

Client: Tetra Tech NUS, Inc.

Contract: TETR06

Lab code: ACE

Sdg no.: Q3527

Instrument id number: _____

Method: _____

Run number: LB137761

Start date: 11/04/2025

End date: 11/04/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1133	Fe
S1	S1	1	1137	Fe
S2	S2	1	1142	Fe
S3	S3	1	1146	Fe
S4	S4	1	1150	Fe
S5	S5	1	1154	Fe
ICV01	ICV01	1	1158	Fe
LLICV01	LLICV01	1	1216	Fe
ICB01	ICB01	1	1220	Fe
CRI01	CRI01	1	1224	Fe
ICSA01	ICSA01	1	1234	Fe
ICSAB01	ICSAB01	1	1238	Fe
CCV01	CCV01	1	1256	Fe
CCB01	CCB01	1	1300	Fe
CCV02	CCV02	1	1355	Fe
CCB02	CCB02	1	1403	Fe
CCV03	CCV03	1	1506	Fe
CCB03	CCB03	1	1510	Fe
PB170382BL	PB170382BL	1	1602	Fe
PB170382BS	PB170382BS	1	1606	Fe
CCV04	CCV04	1	1610	Fe
CCB04	CCB04	1	1614	Fe
Q3527-01	RW8-SP100-20251030	1	1618	Fe
Q3527-02	RW8-SP303-20251030	1	1623	Fe
Q3527-02DUP	RW8-SP303-20251030DUP	1	1627	Fe
Q3527-02L	RW8-SP303-20251030L	5	1631	Fe
Q3527-02MS	RW8-SP303-20251030MS	1	1635	Fe
Q3527-02MSD	RW8-SP303-20251030MSD	1	1639	Fe
CCV05	CCV05	1	1655	Fe
CCB05	CCB05	1	1659	Fe

LAB CHRONICLE

OrderID:	Q3527	OrderDate:	11/3/2025 9:29:00 AM
Client:	Tetra Tech NUS, Inc.	Project:	NWIRP Bethpage 112G08005-WE13
Contact:	Ernie Wu	Location:	J32

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3527-01	RW8-SP100-2025103 0	WATER			10/30/25 13:05			11/03/25
			TDS	SM2540 C			11/03/25 16:00	
			TSS	SM2540 D			11/05/25 10:30	
Q3527-02	RW8-SP303-2025103 0	WATER			10/30/25 13:13			11/03/25
			TDS	SM2540 C			11/03/25 16:00	
			TSS	SM2540 D			11/05/25 10:30	



SAMPLE DATA

A

B

C

D

Report of Analysis

Client: Tetra Tech NUS, Inc.
Project: NWIRP Bethpage 112G08005-WE13
Client Sample ID: RW8-SP100-20251030
Lab Sample ID: Q3527-01

Date Collected: 10/30/25 13:05
Date Received: 11/03/25
SDG No.: Q3527
Matrix: WATER
% Solid: 0

Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
TDS	3.00	J	1	1.00	10.0	10.0	mg/L		11/03/25 16:00	SM 2540 C-20
TSS	4.00	U	1	1.00	4.00	4.00	mg/L		11/05/25 10:30	SM 2540 D-20

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.
Project: NWIRP Bethpage 112G08005-WE13
Client Sample ID: RW8-SP303-20251030
Lab Sample ID: Q3527-02

Date Collected: 10/30/25 13:13
Date Received: 11/03/25
SDG No.: Q3527
Matrix: WATER
% Solid: 0

Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
TDS	2.00	J	1	1.00	10.0	10.0	mg/L		11/03/25 16:00	SM 2540 C-20
TSS	4.00	U	1	1.00	4.00	4.00	mg/L		11/05/25 10:30	SM 2540 D-20

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

Preparation Blank Summary

Client: Tetra Tech NUS, Inc.

SDG No.: Q3527

Project: NWIRP Bethpage 112G08005-WE13

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: LB137742BL							
TDS	mg/L	1	5.0000	J	1.0	10	11/03/2025
Sample ID: LB137774BL							
TSS	mg/L	< 2.0000	2.0000	U	1	4	11/05/2025

Duplicate Sample Summary

Client:	Tetra Tech NUS, Inc.	SDG No.:	Q3527
Project:	NWIRP Bethpage 112G08005-WE13	Sample ID:	Q3527-02
Client ID:	RW8-SP303-20251030DUP	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	2.00	J	2.00	J	1	0		11/03/2025

Duplicate Sample Summary

Client:	Tetra Tech NUS, Inc.	SDG No.:	Q3527
Project:	NWIRP Bethpage 112G08005-WE13	Sample ID:	Q3528-01
Client ID:	SW-2DUP	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	324		325		1	0.18		11/05/2025

Laboratory Control Sample Summary

Client: Tetra Tech NUS, Inc.

SDG No.: Q3527

Project: NWIRP Bethpage 112G08005-WE13

Run No.: LB137742

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	LB137742BS							
TDS	mg/L	100	95.0		95	1	90-110	11/03/2025

Laboratory Control Sample Summary

Client: Tetra Tech NUS, Inc.

SDG No.: Q3527

Project: NWIRP Bethpage 112G08005-WE13

Run No.: LB137774

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	LB137774BS							
TSS	mg/L	550	533		97	1	90-110	11/05/2025