

LAB CHRONICLE

OrderID:	Q3237	OrderDate:	9/29/2025 11:28:00 AM
Client:	Tetra Tech NUS, Inc.	Project:	NWIRP Bethpage 112G08005-WE13
Contact:	Ernie Wu	Location:	D31

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3237-01	RW8-SP100-2025092 6	Water	SVOC-SIMGroup1	8270-Modified	09/26/25	10/01/25	10/07/25	09/29/25
Q3237-02	RW8-SP303-2025092 6	Water	SVOC-SIMGroup1	8270-Modified	09/26/25	10/01/25	10/07/25	09/29/25



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Hit Summary Sheet
SW-846

SDG No.: Q3237
Client: Tetra Tech NUS, Inc.

Sample ID	Client ID	Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID :	RW8-SP100-20250926							
Q3237-01	RW8-SP100-20250926	WATER	1,4-Dioxane	0.080	J	0.07	0.2	0.2 ug/L
			Total Svoc :	0.08				
			Total Concentration:	0.08				



SAMPLE DATA

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	09/26/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	09/29/25
Client Sample ID:	RW8-SP100-20250926	SDG No.:	Q3237
Lab Sample ID:	Q3237-01	Matrix:	Water
Analytical Method:	SW8270ESIM	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-SIMGroup1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN038052.D	1	10/01/25 12:31	10/07/25 18:44	PB169939

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.080	J	0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.28		30 - 150		71%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.33		30 - 150		83%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.38		55 - 111		95%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.37		53 - 106		93%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.55	*	58 - 132		137%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	7720		7.804			
1146-65-2	Naphthalene-d8	21000		10.605			
15067-26-2	Acenaphthene-d10	9700		14.452			
1517-22-2	Phenanthrene-d10	16700		17.211			
1719-03-5	Chrysene-d12	10200		21.384			
1520-96-3	Perylene-d12	9680		23.709			

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:	09/26/25
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	09/29/25
Client Sample ID:	RW8-SP303-20250926		SDG No.:	Q3237
Lab Sample ID:	Q3237-02		Matrix:	Water
Analytical Method:	SW8270ESIM		% Solid:	0
Sample Wt/Vol:	1000	Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:		uL	Test:	SVOC-SIMGroup1
Extraction Type :		Decanted : N	Level :	LOW
Injection Volume :		GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN038053.D	1	10/01/25 12:31	10/07/25 19:20	PB169939

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.20	U	0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.31		30 - 150		77%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.37		30 - 150		93%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.40		55 - 111		101%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.42		53 - 106		104%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.68	*	58 - 132		171%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	7180		7.804			
1146-65-2	Naphthalene-d8	19600		10.605			
15067-26-2	Acenaphthene-d10	9680		14.452			
1517-22-2	Phenanthrene-d10	18600		17.211			
1719-03-5	Chrysene-d12	10300		21.384			
1520-96-3	Perylene-d12	8160		23.703			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

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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

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* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products



QC SUMMARY

Surrogate Summary

SW-846

SDG No.: Q3237

Client: Tetra Tech NUS, Inc.

Analytical Method: 8270-Modified

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
							Low	High
PB169939BL	PB169939BL	2-Methylnaphthalene-d10	0.4	0.32	79		30	150
		Fluoranthene-d10	0.4	0.29	72		30	150
		Nitrobenzene-d5	0.4	0.41	101		55	111
		2-Fluorobiphenyl	0.4	0.40	100		53	106
		Terphenyl-d14	0.4	0.51	127		58	132
PB169939BS	PB169939BS	2-Methylnaphthalene-d10	0.4	0.36	90		30	150
		Fluoranthene-d10	0.4	0.28	70		30	150
		Nitrobenzene-d5	0.4	0.43	107		55	111
		2-Fluorobiphenyl	0.4	0.45	112	*	53	106
		Terphenyl-d14	0.4	0.53	132		58	132
PB169939BSD	PB169939BSD	2-Methylnaphthalene-d10	0.4	0.35	88		30	150
		Fluoranthene-d10	0.4	0.30	75		30	150
		Nitrobenzene-d5	0.4	0.42	105		55	111
		2-Fluorobiphenyl	0.4	0.42	104		53	106
		Terphenyl-d14	0.4	0.53	133	*	58	132
Q3237-01	RW8-SP100-20250926	2-Methylnaphthalene-d10	0.4	0.28	71		30	150
		Fluoranthene-d10	0.4	0.33	83		30	150
		Nitrobenzene-d5	0.4	0.38	95		55	111
		2-Fluorobiphenyl	0.4	0.37	93		53	106
		Terphenyl-d14	0.4	0.55	137	*	58	132
Q3237-02	RW8-SP303-20250926	2-Methylnaphthalene-d10	0.4	0.31	77		30	150
		Fluoranthene-d10	0.4	0.37	93		30	150
		Nitrobenzene-d5	0.4	0.40	101		55	111
		2-Fluorobiphenyl	0.4	0.42	104		53	106
		Terphenyl-d14	0.4	0.68	171	*	58	132

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3237

Analytical Method: 8270-Modified

Client: Tetra Tech NUS, Inc.

DataFile: BN038043.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB169939BS	1,4-Dioxane	0.4	0.35	ug/L	88				70	130	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3237

Analytical Method: 8270-Modified

Client: Tetra Tech NUS, Inc.

DataFile: BN038044.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB169939BSD	1,4-Dioxane	0.4	0.35	ug/L	88	0			70	130	20

4B

SEMIVOLATILE METHOD BLANK SUMMARY

Client ID

PB169939BL

Lab Name: Alliance

Contract: TETR06

Lab Code: ACE

SDG NO.: Q3237

Lab File ID: BN038042.D

Lab Sample ID: PB169939BL

Instrument ID: BNA_N

Date Extracted: 10/01/2025

Matrix: (soil/water) Water

Date Analyzed: 10/07/2025

Level: (low/med) LOW

Time Analyzed: 12:39

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB169939BS	PB169939BS	BN038043.D	10/07/2025
PB169939BSD	PB169939BSD	BN038044.D	10/07/2025
RW8-SP100-20250926	Q3237-01	BN038052.D	10/07/2025
RW8-SP303-20250926	Q3237-02	BN038053.D	10/07/2025

COMMENTS: _____

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance
Lab Code: ACE
Lab File ID: BN037860.D
Instrument ID: BNA_N

Contract: TETR06
SDG NO.: Q3237
DFTPP Injection Date: 09/23/2025
DFTPP Injection Time: 11:33

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 (0.6) 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	4.2
441	Present, but less than mass 443	72.6
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	17.7 (20.8) 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	BN037861.D	09/23/2025	12:13
SSTDICC0.2	SSTDICC0.2	BN037862.D	09/23/2025	12:49
SSTDICCC0.4	SSTDICCC0.4	BN037863.D	09/23/2025	13:25
SSTDICC0.8	SSTDICC0.8	BN037864.D	09/23/2025	14:02
SSTDICC1.6	SSTDICC1.6	BN037865.D	09/23/2025	14:38
SSTDICC3.2	SSTDICC3.2	BN037866.D	09/23/2025	15:15
SSTDICC5.0	SSTDICC5.0	BN037867.D	09/23/2025	15:51

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance
Lab Code: ACE
Lab File ID: BN038040.D
Instrument ID: BNA_N

Contract: TETR06
SDG NO.: Q3237
DFTPP Injection Date: 10/07/2025
DFTPP Injection Time: 10:44

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.7 (1.7) 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	6.6
365	Greater than 1% of mass 198	3.4
441	Present, but less than mass 443	76.8
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	18.3 (18.9) 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
SSTDCCC0.4	SSTDCCC0.4	BN038041.D	10/07/2025	12:03
PB169939BL	PB169939BL	BN038042.D	10/07/2025	12:39
PB169939BS	PB169939BS	BN038043.D	10/07/2025	13:16
PB169939BSD	PB169939BSD	BN038044.D	10/07/2025	13:52
RW8-SP100-20250926	Q3237-01	BN038052.D	10/07/2025	18:44
RW8-SP303-20250926	Q3237-02	BN038053.D	10/07/2025	19:20
SSTDCCC0.4EC	SSTDCCC0.4	BN038058.D	10/07/2025	22:22

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE

SDG NO.: Q3237

Client ID : SSTDCCC0.4

Date Analyzed: 10/07/2025

Lab File ID: BN038041.D

Time Analyzed: 12:03

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	8417	7.804	24486	10.61	13140	14.46
UPPER LIMIT	16834	8.304	48972	11.105	26280	14.962
LOWER LIMIT	4208.5	7.304	12243	10.105	6570	13.962
EPA SAMPLE NO.						
01 RW8-SP303-20250926	7178	7.80	19583	10.61	9675	14.45
02 PB169939BL	8228	7.80	21819	10.61	10027	14.46
03 PB169939BS	8722	7.80	23265	10.61	10633	14.45
04 PB169939BSD	8275	7.80	22197	10.61	10577	14.45
05 RW8-SP100-20250926	7715	7.80	20976	10.61	9698	14.45

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.: Q3237

Client ID: SSTDCCC0.4

Date Analyzed: 10/07/2025

Lab File ID: BN038041.D

Time Analyzed: 12:03

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	24897	17.21	15245	21.393	11156	23.709
UPPER LIMIT	49794	17.71	30490	21.893	22312	24.209
LOWER LIMIT	12448.5	16.71	7622.5	20.893	5578	23.209
EPA SAMPLE NO.						
01 RW8-SP303-20250926	18567	17.21	10333	21.38	8163	23.70
02 PB169939BL	17932	17.21	9516	21.39	9042	23.71
03 PB169939BS	17722	17.21	8733	21.39	8119	23.71
04 PB169939BSD	20035	17.20	10845	21.39	8550	23.71
05 RW8-SP100-20250926	16691	17.21	10249	21.38	9677	23.71

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:	PB169939BL		SDG No.:	Q3237
Lab Sample ID:	PB169939BL		Matrix:	Water
Analytical Method:	SW8270ESIM		% Solid:	0
Sample Wt/Vol:	1000	Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:		uL	Test:	SVOC-SIMGroup1
Extraction Type :		Decanted : N	Level :	LOW
Injection Volume :		GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN038042.D	1	10/01/25 12:31	10/07/25 12:39	PB169939

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.20	U	0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.32		30 - 150		79%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.29		30 - 150		72%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.41		55 - 111		101%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.40		53 - 106		100%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.51		58 - 132		127%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	8230	7.804				
1146-65-2	Naphthalene-d8	21800	10.605				
15067-26-2	Acenaphthene-d10	10000	14.463				
1517-22-2	Phenanthrene-d10	17900	17.211				
1719-03-5	Chrysene-d12	9520	21.393				
1520-96-3	Perylene-d12	9040	23.709				

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:	PB169939BS		SDG No.:	Q3237	
Lab Sample ID:	PB169939BS		Matrix:	Water	
Analytical Method:	SW8270ESIM		% Solid:	0	
Sample Wt/Vol:	1000	Units: mL	Final Vol:	1000	uL
Soil Aliquot Vol:		uL	Test:	SVOC-SIMGroup1	
Extraction Type :		Decanted : N	Level :	LOW	
Injection Volume :		GPC Factor : 1.0	GPC Cleanup :	N	PH :
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN038043.D	1	10/01/25 12:31	10/07/25 13:16	PB169939

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.35		0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.36		30 - 150		90%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.28		30 - 150		70%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.43		55 - 111		107%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.45	*	53 - 106		112%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.53		58 - 132		132%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	8720	7.804				
1146-65-2	Naphthalene-d8	23300	10.605				
15067-26-2	Acenaphthene-d10	10600	14.452				
1517-22-2	Phenanthrene-d10	17700	17.21				
1719-03-5	Chrysene-d12	8730	21.393				
1520-96-3	Perylene-d12	8120	23.709				

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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:	PB169939BSD		SDG No.:	Q3237
Lab Sample ID:	PB169939BSD		Matrix:	Water
Analytical Method:	SW8270ESIM		% Solid:	0
Sample Wt/Vol:	1000	Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:		uL	Test:	SVOC-SIMGroup1
Extraction Type :		Decanted : N	Level :	LOW
Injection Volume :		GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN038044.D	1	10/01/25 12:31	10/07/25 13:52	PB169939

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.35		0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.35		30 - 150		88%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.30		30 - 150		75%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.42		55 - 111		105%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.42		53 - 106		104%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.53	*	58 - 132		133%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	8280	7.804				
1146-65-2	Naphthalene-d8	22200	10.605				
15067-26-2	Acenaphthene-d10	10600	14.452				
1517-22-2	Phenanthrene-d10	20000	17.198				
1719-03-5	Chrysene-d12	10800	21.393				
1520-96-3	Perylene-d12	8550	23.709				

U = Not Detected

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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



CALIBRATION SUMMARY

Method Path : Z:\svoasrv\HPCHEM1\BNA_N\Methods\
 Method File : 8270-SIM-BN092325.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Wed Sep 24 11:00:01 2025
 Response Via : Initial Calibration

Calibration Files

0.1 =BN037861.D 0.2 =BN037862.D 0.4 =BN037863.D 0.8 =BN037864.D 1.6 =BN037865.D 3.2 =BN037866.D 5 =BN037867.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	0.413	0.410	0.403	0.425	0.410	0.376	0.406	4.04	
3)	n-Nitrosodimet...	0.541	0.517	0.526	0.561	0.549	0.547	0.540	3.03	
4) S	2-Fluorophenol	0.944	0.921	0.856	0.839	0.908	0.923	0.998	0.913	5.84
5) S	Phenol-d6	1.190	1.200	1.118	1.088	1.211	1.236	1.353	1.199	7.15
6)	bis(2-Chloroet...	1.133	1.096	1.082	1.066	1.150	1.124	1.143	1.113	2.89
7) I	Naphthalene-d8	-----ISTD-----								
8) S	Nitrobenzene-d5	0.299	0.289	0.289	0.290	0.310	0.320	0.338	0.305	6.14
9)	Naphthalene	1.105	1.089	1.048	1.051	1.123	1.137	1.160	1.102	3.84
10)	Hexachlorobuta...	0.198	0.184	0.182	0.183	0.192	0.188	0.188	0.188	2.94
11) SURR2	Methylnaphth...	0.515	0.518	0.499	0.504	0.553	0.587	0.714	0.556	13.74
12)	2-Methylnaphth...	0.678	0.681	0.668	0.682	0.754	0.775	0.802	0.720	7.68
13) I	Acenaphthene-d10	-----ISTD-----								
14) S	2,4,6-Tribromo...	0.148	0.142	0.135	0.139	0.163	0.184	0.152	12.15	
15) S	2-Fluorobiphenyl	1.660	1.631	1.559	1.547	1.654	1.650	1.762	1.638	4.36
16)	Acenaphthylene	1.698	1.721	1.663	1.680	1.907	1.951	2.094	1.816	9.23
17)	Acenaphthene	1.262	1.230	1.198	1.208	1.351	1.371	1.437	1.294	7.16
18)	Fluorene	1.455	1.455	1.452	1.466	1.664	1.717	1.748	1.565	8.77
19) I	Phenanthrene-d10	-----ISTD-----								
20)	4,6-Dinitro-2-...	0.041	0.044	0.046	0.058	0.071	0.084	0.057	29.75	
21)	4-Bromophenyl-...	0.252	0.247	0.244	0.244	0.272	0.275	0.291	0.261	7.07
22)	Hexachlorobenzene	0.317	0.312	0.305	0.300	0.324	0.323	0.332	0.316	3.53
23)	Atrazine	0.180	0.181	0.172	0.178	0.205	0.224	0.249	0.199	14.70
24)	Pentachlorophenol	0.101	0.092	0.097	0.116	0.136	0.108	16.50		
25)	Phenanthrene	1.301	1.271	1.230	1.224	1.358	1.379	1.452	1.316	6.37
26)	Anthracene	1.034	1.035	1.023	1.057	1.209	1.275	1.361	1.142	12.10
27) SURR	Fluoranthene-d10	0.880	0.918	0.887	0.900	1.004	1.085	1.370	1.006	17.59
28)	Fluoranthene	1.278	1.315	1.311	1.358	1.555	1.617	1.713	1.450	12.07
29) I	Chrysene-d12	-----ISTD-----								
30)	Pyrene	1.576	1.600	1.521	1.476	1.607	1.595	1.679	1.579	4.12
31) S	Terphenyl-d14	0.799	0.791	0.753	0.735	0.798	0.809	0.893	0.797	6.34
32)	Benzo(a)anthra...	1.376	1.359	1.294	1.285	1.423	1.483	1.567	1.398	7.27
33)	Chrysene	1.508	1.526	1.462	1.446	1.559	1.512	1.569	1.512	3.03
34)	Bis(2-ethylhex...	0.592	0.487	0.476	0.518	0.569	0.676	0.553	13.57	
35) I	Perylene-d12	-----ISTD-----								

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

Method File : 8270-SIM-BN092325.M

36)	Indeno(1,2,3-c...	1.715	1.672	1.658	1.707	1.887	1.996	2.159	1.828	10.52
37)	Benzo(b)fluora...	1.599	1.606	1.641	1.590	1.810	1.848	1.981	1.725	8.95
38)	Benzo(k)fluora...	1.620	1.586	1.597	1.628	1.875	1.917	1.926	1.736	9.26
39) C	Benzo(a)pyrene	1.254	1.296	1.231	1.254	1.413	1.492	1.610	1.364	10.61
40)	Dibenzo(a,h)an...	1.285	1.283	1.303	1.333	1.495	1.587	1.705	1.427	11.87
41)	Benzo(g,h,i)pe...	1.407	1.381	1.404	1.397	1.521	1.613	1.773	1.499	9.85

(#) = 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>Q3237</u>
Instrument ID:	<u>BNA_N</u>	Calibration Date/Time:	<u>10/07/2025 12:03</u>
Lab File ID:	<u>BN038041.D</u>	Init. Calib. Date(s):	<u>09/23/2025 09/23/2025</u>
EPA Sample No.:	<u>SSTDCCC0.4</u>	Init. Calib. Time(s):	<u>12:13 15:51</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	0.556	0.513		-7.7	20.0
Fluoranthene-d10	1.006	0.830		-17.5	20.0
2-Fluorophenol	0.913	0.853		-6.6	20.0
Phenol-d6	1.199	1.108		-7.6	20.0
Nitrobenzene-d5	0.305	0.286		-6.2	20.0
2-Fluorobiphenyl	1.638	1.517		-7.4	20.0
2,4,6-Tribromophenol	0.152	0.120		-21.1	20.0
Terphenyl-d14	0.797	0.916		14.9	20.0
1,4-Dioxane	0.406	0.418		3.0	20.0

All other compounds must meet a minimum RRF of 0.010.

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>TETR06</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3237</u>
Instrument ID:	<u>BNA_N</u>	Calibration Date/Time:	<u>10/07/2025 22:22</u>
Lab File ID:	<u>BN038058.D</u>	Init. Calib. Date(s):	<u>09/23/2025 09/23/2025</u>
EPA Sample No.:	<u>SSTDCCC0.4EC</u>	Init. Calib. Time(s):	<u>12:13 15:51</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	0.556	0.505		-9.2	50.0
Fluoranthene-d10	1.006	0.755		-25.0	50.0
2-Fluorophenol	0.913	0.878		-3.8	50.0
Phenol-d6	1.199	1.126		-6.1	50.0
Nitrobenzene-d5	0.305	0.295		-3.3	50.0
2-Fluorobiphenyl	1.638	1.615		-1.4	50.0
2,4,6-Tribromophenol	0.152	0.112		-26.3	50.0
Terphenyl-d14	0.797	0.862		8.2	50.0
1,4-Dioxane	0.406	0.424		4.4	50.0

All other compounds must meet a minimum RRF of 0.010.

LAB CHRONICLE

OrderID:	Q3237	OrderDate:	9/29/2025 11:28:00 AM
Client:	Tetra Tech NUS, Inc.	Project:	NWIRP Bethpage 112G08005-WE13
Contact:	Ernie Wu	Location:	D31

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3237-01	RW8-SP100-2025092 6	Water			09/26/25			09/29/25
			Metals Group4	6010D		09/30/25	10/01/25	
Q3237-02	RW8-SP303-2025092 6	Water			09/26/25			09/29/25
			Metals Group4	6010D		09/30/25	10/01/25	



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Hit Summary Sheet
SW-846

SDG No.: Q3237

Order ID: Q3237

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 : Q3237-01	RW8-SP100-20250926 RW8-SP100-20250926	Water	Iron	693		11.7	40.0	50.0	ug/L
Client ID : Q3237-02	RW8-SP303-20250926 RW8-SP303-20250926	Water	Iron	51.3		11.7	40.0	50.0	ug/L



SAMPLE DATA

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	09/26/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	09/29/25
Client Sample ID:	RW8-SP100-20250926	SDG No.:	Q3237
Lab Sample ID:	Q3237-01	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	693		1	11.7	40.0	50.0	ug/L	09/30/25 10:35	10/01/25 17:54	6010D	SW3010

Color Before:	Colorless	Clarity Before:	Clear	Texture:
Color After:	Colorless	Clarity After:	Clear	Artifacts:
Comments:	Metals Group4			

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:	09/26/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	09/29/25
Client Sample ID:	RW8-SP303-20250926	SDG No.:	Q3237
Lab Sample ID:	Q3237-02	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	51.3		1	11.7	40.0	50.0	ug/L	09/30/25 10:35	10/01/25 17:58	6010D	SW3010

Color Before:	Colorless	Clarity Before:	Clear	Texture:
Color After:	Colorless	Clarity After:	Clear	Artifacts:
Comments:	Metals Group4			

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.: Q3237

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	3860	4000	96	90 - 110	P	10/01/2025	12:33	LB137389

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Tetra Tech NUS, Inc.

SDG No.: Q3237

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	107	100	107	80 - 120	P	10/01/2025	12:41	LB137389

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Tetra Tech NUS, Inc.

SDG No.: Q3237

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	4920	5000	98	90 - 110	P	10/01/2025	13:10	LB137389
CCV02	Iron	4910	5000	98	90 - 110	P	10/01/2025	14:02	LB137389
CCV03	Iron	4980	5000	100	90 - 110	P	10/01/2025	15:00	LB137389
CCV04	Iron	4960	5000	99	90 - 110	P	10/01/2025	15:51	LB137389
CCV05	Iron	4990	5000	100	90 - 110	P	10/01/2025	16:42	LB137389
CCV06	Iron	4940	5000	99	90 - 110	P	10/01/2025	17:32	LB137389
CCV07	Iron	5110	5000	102	90 - 110	P	10/01/2025	18:28	LB137389
CCV08	Iron	4870	5000	97	90 - 110	P	10/01/2025	19:19	LB137389



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Metals

- 2b -

CRDL STANDARD FOR AA & ICP

Client: Tetra Tech NUS, Inc.

SDG No.: Q3237

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	10/01/2025	12:49	LB137389



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Fax : 908 789 8922

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Tetra Tech NUS, Inc.

SDG No.: Q3237

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	10/01/2025	12:45	LB137389

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Tetra Tech NUS, Inc.

SDG No.: Q3237

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	23.4	+/-50	U	80.0	100	P	10/01/2025	13:14	LB137389
CCB02	Iron	23.4	+/-50	U	80.0	100	P	10/01/2025	14:06	LB137389
CCB03	Iron	23.4	+/-50	U	80.0	100	P	10/01/2025	15:04	LB137389
CCB04	Iron	23.4	+/-50	U	80.0	100	P	10/01/2025	15:55	LB137389
CCB05	Iron	23.4	+/-50	U	80.0	100	P	10/01/2025	16:46	LB137389
CCB06	Iron	23.4	+/-50	U	80.0	100	P	10/01/2025	17:41	LB137389
CCB07	Iron	23.4	+/-50	U	80.0	100	P	10/01/2025	18:32	LB137389
CCB08	Iron	23.4	+/-50	U	80.0	100	P	10/01/2025	19:23	LB137389

Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: Tetra Tech NUS, Inc.

SDG No.: Q3237

Instrument: P4

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	LOD ug/L	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB169912BL		WATER		Batch Number:		PB169912		Prep Date:	09/30/2025	
	Iron	11.7	<25	U	40.0	50.0	P	10/01/2025	15:25	LB137389

Metals
- 4 -
INTERFERENCE CHECK SAMPLE

Client: Tetra Tech NUS, Inc.

SDG No.: Q3237

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	97400	101000	96	85600	116500	10/01/2025	12:53	LB137389
ICSAB01	Iron	98100	99300	99	84400	114500	10/01/2025	12:57	LB137389



METAL QC DATA



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metals
- 5a -
MATRIX SPIKE SUMMARY

client:

Tetra Tech NUS, Inc.

level:

low

sdg no.:

Q3237

contract:

TETR06

lab code:

ACE

matrix:

Water

sample id:

Q3237-02

client id:

RW8-SP303-20250926MS

Percent Solids for Sample:

NA

Spiked ID:

Q3237-02MS

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	1500		51.3		1500	97		P

metals
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client:	Tetra Tech NUS, Inc.	level:	low	sdg no.:	Q3237
contract:	TETR06			lab code:	ACE
matrix:	Water	sample id:	Q3237-02	client id:	RW8-SP303-20250926MSD
Percent Solids for Sample:	NA	Spiked ID:	Q3237-02MSD	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	1510		51.3		1500	97		P

Metals
- 5b -

Client: Tetra Tech NUS, Inc.

SDG No.: Q3237

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
---------	-------	------------------------	---	------------------	---	----------------	---------------	------	---

.....

Metals

- 6 -

DUPLICATE SAMPLE SUMMARY

Client:	<u>Tetra Tech NUS, Inc.</u>	Level:	<u>LOW</u>	SDG No.:	<u>Q3237</u>
Contract:	<u>TETR06</u>			Lab Code:	<u>ACE</u>
Matrix:	<u>Water</u>	Sample ID:	<u>Q3237-02</u>	Client ID:	<u>RW8-SP303-20250926DUP</u>
Percent Solids for Sample:	NA	Duplicate ID	Q3237-02DUP	Percent Solids for Spike Sample:	NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Iron	ug/L	20	51.3		42.1	J	20		P

Metals

- 6 -

DUPLICATE SAMPLE SUMMARY

Client:	<u>Tetra Tech NUS, Inc.</u>	Level:	<u>LOW</u>	SDG No.:	<u>Q3237</u>
Contract:	<u>TETR06</u>			Lab Code:	<u>ACE</u>
Matrix:	<u>Water</u>	Sample ID:	<u>Q3237-02MS</u>	Client ID:	<u>RW8-SP303-20250926MSD</u>
Percent Solids for Sample:	NA	Duplicate ID	Q3237-02MSD	Percent Solids for Spike Sample:	NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Iron	ug/L	20	1500		1510		1		P

Metals

- 7 -

LABORATORY CONTROL SAMPLE SUMMARY

Client: Tetra Tech NUS, Inc.

SDG No.: Q3237

Contract: TETR06

Lab Code: ACE

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB169912BS Iron	ug/L	1500	1410		94	87 - 115	P

Metals
-9 -
ICP SERIAL DILUTIONS

SAMPLE NO.

RW8-SP303-20250926L

Lab Name: Alliance

Contract: TETR06

Lab Code: ACE

Lb No.: lb137389

Lab Sample ID : Q3237-02L

SDG No.: Q3237

Matrix (soil/water): Water

Level (low/med): LOW

Concentration Units: ug/L

Analyte	Initial Sample Result (I) C	Serial Dilution Result (S) C	% Differ- ence	Q	M
Iron	51.3	59.4 J	16		P



METAL PREPARATION & INSTRUMENT DATA

Metals

- 11 -

ICP INTERELEMENT CORRECTION FACTORS

Client: Tetra Tech NUS, Inc.

SDG No.: Q3237

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.: Q3237

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.: Q3237

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.: Q3237

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:				
		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.: Q3237

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:				
		Sn	Ti	Tl	V	Zn
Iron	240.488	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

METAL PREPARATION & ANALYICAL SUMMARY

Metals

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SAMPLE PREPARATION SUMMARY

Client: Tetra Tech NUS, Inc.

SDG No.: Q3237

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: PB169912							
PB169912BL	PB169912BL	MB	WATER	09/30/2025	50.0	25.0	
PB169912BS	PB169912BS	LCS	WATER	09/30/2025	50.0	25.0	
Q3237-01	RW8-SP100-20250926	SAM	WATER	09/30/2025	50.0	25.0	
Q3237-02	RW8-SP303-20250926	SAM	WATER	09/30/2025	50.0	25.0	
Q3237-02DUP	RW8-SP303-20250926DUP	DUP	WATER	09/30/2025	50.0	25.0	
Q3237-02MS	RW8-SP303-20250926MS	MS	WATER	09/30/2025	50.0	25.0	
Q3237-02MSD	RW8-SP303-20250926MSD	MSD	WATER	09/30/2025	50.0	25.0	

metals
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ANALYSIS RUN LOG

Client: Tetra Tech NUS, Inc.

Contract: TETR06

Lab code: ACE

Sdg no.: Q3237

Instrument id number: _____

Method: _____

Run number: LB137389

Start date: 10/01/2025

End date: 10/01/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1208	Fe
S1	S1	1	1212	Fe
S2	S2	1	1217	Fe
S3	S3	1	1221	Fe
S4	S4	1	1225	Fe
S5	S5	1	1229	Fe
ICV01	ICV01	1	1233	Fe
LLICV01	LLICV01	1	1241	Fe
ICB01	ICB01	1	1245	Fe
CRI01	CRI01	1	1249	Fe
ICSA01	ICSA01	1	1253	Fe
ICSAB01	ICSAB01	1	1257	Fe
CCV01	CCV01	1	1310	Fe
CCB01	CCB01	1	1314	Fe
CCV02	CCV02	1	1402	Fe
CCB02	CCB02	1	1406	Fe
CCV03	CCV03	1	1500	Fe
CCB03	CCB03	1	1504	Fe
PB169912BL	PB169912BL	1	1525	Fe
PB169912BS	PB169912BS	1	1530	Fe
CCV04	CCV04	1	1551	Fe
CCB04	CCB04	1	1555	Fe
CCV05	CCV05	1	1642	Fe
CCB05	CCB05	1	1646	Fe
CCV06	CCV06	1	1732	Fe
CCB06	CCB06	1	1741	Fe
Q3237-01	RW8-SP100-20250926	1	1754	Fe
Q3237-02	RW8-SP303-20250926	1	1758	Fe
Q3237-02DUP	RW8-SP303-20250926DUP	1	1803	Fe
Q3237-02L	RW8-SP303-20250926L	5	1807	Fe
Q3237-02MS	RW8-SP303-20250926MS	1	1811	Fe
Q3237-02MSD	RW8-SP303-20250926MSD	1	1815	Fe
CCV07	CCV07	1	1828	Fe
CCB07	CCB07	1	1832	Fe
CCV08	CCV08	1	1919	Fe
CCB08	CCB08	1	1923	Fe

LAB CHRONICLE

OrderID:	Q3237	OrderDate:	9/29/2025 11:28:00 AM
Client:	Tetra Tech NUS, Inc.	Project:	NWIRP Bethpage 112G08005-WE13
Contact:	Ernie Wu	Location:	D31

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3237-01	RW8-SP100-2025092 6	WATER			09/26/25 13:05			09/29/25
			TDS	SM2540 C			09/30/25 12:30	
			TSS	SM2540 D			09/30/25 10:00	
Q3237-02	RW8-SP303-2025092 6	WATER			09/26/25 13:13			09/29/25
			TDS	SM2540 C			09/30/25 12:30	
			TSS	SM2540 D			09/30/25 10:00	



SAMPLE DATA

A

B

C

D

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	09/26/25 13:05
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	09/29/25
Client Sample ID:	RW8-SP100-20250926	SDG No.:	Q3237
Lab Sample ID:	Q3237-01	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
TDS	24.0		1	1.00	10.0	10.0	mg/L		09/30/25 12:30	SM 2540 C-20
TSS	4.00	U	1	1.00	4.00	4.00	mg/L		09/30/25 10:00	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.	Date Collected:	09/26/25 13:13
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	09/29/25
Client Sample ID:	RW8-SP303-20250926	SDG No.:	Q3237
Lab Sample ID:	Q3237-02	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
TDS	16.0		1	1.00	10.0	10.0	mg/L		09/30/25 12:30	SM 2540 C-20
TSS	4.00	U	1	1.00	4.00	4.00	mg/L		09/30/25 10:00	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.: Q3237

Project: NWIRP Bethpage 112G08005-WE13

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: LB137356BL TSS	mg/L	1	2.0000	J	1	4	09/30/2025
Sample ID: LB137357BL TDS	mg/L	2	5.0000	J	1.0	10	09/30/2025

Duplicate Sample Summary

Client:	Tetra Tech NUS, Inc.	SDG No.:	Q3237
Project:	NWIRP Bethpage 112G08005-WE13	Sample ID:	Q3202-09
Client ID:	SY-3DDDUP	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	33.0		33.0		1	0		09/30/2025

Duplicate Sample Summary

Client:	Tetra Tech NUS, Inc.	SDG No.:	Q3237
Project:	NWIRP Bethpage 112G08005-WE13	Sample ID:	Q3202-11
Client ID:	SY-3DDUP	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	42.0		42.2		1	0.48		09/30/2025

Laboratory Control Sample Summary

Client: Tetra Tech NUS, Inc.

SDG No.: Q3237

Project: NWIRP Bethpage 112G08005-WE13

Run No.: LB137356

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	LB137356BS							
TSS	mg/L	550	532		97	1	90-110	09/30/2025

Laboratory Control Sample Summary

Client: Tetra Tech NUS, Inc.

SDG No.: Q3237

Project: NWIRP Bethpage 112G08005-WE13

Run No.: LB137357

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	LB137357BS							
TDS	mg/L	100	95.0		95	1	90-110	09/30/2025