

LAB CHRONICLE

OrderID:	Q2316	OrderDate:	6/12/2025 3:59:00 PM
Client:	Tetra Tech NUS, Inc.	Project:	NWIRP Bethpage 112G08005-WE13
Contact:	Ernie Wu	Location:	D41

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2316-01	RW8-SP100-2025061 2	Water	SVOC-SIMGroup1	8270-Modified	06/12/25	06/13/25	06/15/25	06/12/25
Q2316-02	RW8-SP303-2025061 2	Water	SVOC-SIMGroup1	8270-Modified	06/12/25	06/13/25	06/15/25	06/12/25



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

Hit Summary Sheet
SW-846

SDG No.: Q2316
Client: Tetra Tech NUS, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID :				0.000					
Total Svoc :					0.00				
Total Concentration:					0.00				



SAMPLE DATA

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	06/12/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	06/12/25
Client Sample ID:	RW8-SP100-20250612	SDG No.:	Q2316
Lab Sample ID:	Q2316-01	Matrix:	Water
Analytical Method:	SW8270ESIM	% Solid:	0
Sample Wt/Vol:	990 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
BN037278.D	1	06/13/25 11:00	06/15/25 01:30	PB168476

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	0.29		30 - 150		72%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.37		30 - 150		93%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.26		55 - 111		64%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.30		53 - 106		75%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.40		58 - 132		100%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	1040	7.575				
1146-65-2	Naphthalene-d8	2590	10.351				
15067-26-2	Acenaphthene-d10	1390	14.224				
1517-22-2	Phenanthrene-d10	2350	16.984				
1719-03-5	Chrysene-d12	1790	21.171				
1520-96-3	Perylene-d12	1730	23.354				

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:	06/12/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	06/12/25
Client Sample ID:	RW8-SP303-20250612	SDG No.:	Q2316
Lab Sample ID:	Q2316-02	Matrix:	Water
Analytical Method:	SW8270ESIM	% Solid:	0
Sample Wt/Vol:	980 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
BN037279.D	1	06/13/25 11:00	06/15/25 02:06	PB168476

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	0.26		30 - 150		65%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.36		30 - 150		89%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.24		55 - 111		61%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.27		53 - 106		67%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.41		58 - 132		102%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	1040	7.582				
1146-65-2	Naphthalene-d8	2640	10.351				
15067-26-2	Acenaphthene-d10	1420	14.224				
1517-22-2	Phenanthrene-d10	2530	16.971				
1719-03-5	Chrysene-d12	1830	21.171				
1520-96-3	Perylene-d12	1770	23.357				

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QC SUMMARY

Surrogate Summary

SW-846

SDG No.: Q2316

Client: Tetra Tech NUS, Inc.

Analytical Method: 8270-Modified

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
							Low	High
PB168476BL	PB168476BL	2-Methylnaphthalene-d10	0.4	0.33	83		30	150
		Fluoranthene-d10	0.4	0.36	90		30	150
		Nitrobenzene-d5	0.4	0.29	74		55	111
		2-Fluorobiphenyl	0.4	0.34	84		53	106
		Terphenyl-d14	0.4	0.38	95		58	132
PB168476BS	PB168476BS	2-Methylnaphthalene-d10	0.4	0.43	108		30	150
		Fluoranthene-d10	0.4	0.34	85		30	150
		Nitrobenzene-d5	0.4	0.38	94		55	111
		2-Fluorobiphenyl	0.4	0.39	97		53	106
		Terphenyl-d14	0.4	0.38	95		58	132
PB168476BSD	PB168476BSD	2-Methylnaphthalene-d10	0.4	0.40	99		30	150
		Fluoranthene-d10	0.4	0.32	81		30	150
		Nitrobenzene-d5	0.4	0.34	85		55	111
		2-Fluorobiphenyl	0.4	0.36	89		53	106
		Terphenyl-d14	0.4	0.36	90		58	132
Q2316-01	RW8-SP100-20250612	2-Methylnaphthalene-d10	0.4	0.29	72		30	150
		Fluoranthene-d10	0.4	0.37	93		30	150
		Nitrobenzene-d5	0.4	0.26	64		55	111
		2-Fluorobiphenyl	0.4	0.30	75		53	106
		Terphenyl-d14	0.4	0.40	100		58	132
Q2316-02	RW8-SP303-20250612	2-Methylnaphthalene-d10	0.4	0.26	65		30	150
		Fluoranthene-d10	0.4	0.36	89		30	150
		Nitrobenzene-d5	0.4	0.24	61		55	111
		2-Fluorobiphenyl	0.4	0.27	67		53	106
		Terphenyl-d14	0.4	0.41	102		58	132

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2316

Client: Tetra Tech NUS, Inc.

Analytical Method: 8270-Modified **DataFile:** BN037280.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Low	Limits	RPD
								Qual		High	
PB168476BS	1,4-Dioxane	0.4	0.30	ug/L	75				70	130	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2316

Client: Tetra Tech NUS, Inc.

Analytical Method: 8270-Modified DataFile: BN037281.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Low	Limits	RPD
								Qual		High	
PB168476BSD	1,4-Dioxane	0.4	0.28	ug/L	70	7			70	130	20

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB168476BL

Lab Name: CHEMTECH

Contract: TETR06

Lab Code: CHEM Case No.: Q2316

SAS No.: Q2316 SDG NO.: Q2316

Lab File ID: BN037274.D

Lab Sample ID: PB168476BL

Instrument ID: BNA_N

Date Extracted: 06/13/2025

Matrix: (soil/water) Water

Date Analyzed: 06/14/2025

Level: (low/med) LOW

Time Analyzed: 23:07

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB168476BS	PB168476BS	BN037280.D	06/15/2025
RW8-SP100-20250612	Q2316-01	BN037278.D	06/15/2025
RW8-SP303-20250612	Q2316-02	BN037279.D	06/15/2025
PB168476BSD	PB168476BSD	BN037281.D	06/15/2025

COMMENTS: _____

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: TETR06

Lab Code: CHEM

SAS No.: Q2316 SDG NO.: Q2316

Lab File ID: BN037223.D

DFTPP Injection Date: 06/13/2025

Instrument ID: BNA_N

DFTPP Injection Time: 11:34

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.7 (1.1) 1
69	Mass 69 relative abundance	100
70	Less than 2.0% of mass 69	0.3 (0.4) 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	6.7
365	Greater than 1% of mass 198	5.3
441	Present, but less than mass 443	90.1
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	12.6 (20.1) 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	BN037225.D	06/13/2025	13:33
SSTDICC0.2	SSTDICC0.2	BN037226.D	06/13/2025	14:10
SSTDICCC0.4	SSTDICCC0.4	BN037227.D	06/13/2025	14:46
SSTDICC0.8	SSTDICC0.8	BN037228.D	06/13/2025	15:22
SSTDICC1.6	SSTDICC1.6	BN037229.D	06/13/2025	15:59
SSTDICC3.2	SSTDICC3.2	BN037230.D	06/13/2025	16:35
SSTDICC5.0	SSTDICC5.0	BN037231.D	06/13/2025	17:11
SSTDCCC0.4EC	SSTDCCC0.4	BN037238.D	06/13/2025	22:01

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: TETR06

Lab Code: CHEM

SAS No.: Q2316

SDG NO.: Q2316

Lab File ID: BN037272.D

DFTPP Injection Date: 06/14/2025

Instrument ID: BNA_N

DFTPP Injection Time: 21:51

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	1 (1.5) 1
69	Mass 69 relative abundance	100
70	Less than 2.0% of mass 69	0.4 (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	7
365	Greater than 1% of mass 198	5.1
441	Present, but less than mass 443	82.8
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	12 (20.1) 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	BN037273.D	06/14/2025	22:31
PB168476BL	PB168476BL	BN037274.D	06/14/2025	23:07
RW8-SP100-20250612	Q2316-01	BN037278.D	06/15/2025	01:30
RW8-SP303-20250612	Q2316-02	BN037279.D	06/15/2025	02:06
PB168476BS	PB168476BS	BN037280.D	06/15/2025	02:42
PB168476BSD	PB168476BSD	BN037281.D	06/15/2025	03:18
SSTDCCC0.4EC	SSTDCCC0.4	BN037282.D	06/15/2025	03:54

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q2316 SAS No.: Q2316 SDG NO.: Q2316

EPA Sample No.: SSTDCCC0.4 Date Analyzed: 06/14/2025

Lab File ID: BN037273.D Time Analyzed: 22:31

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	1389	7.575	3410	10.35	1759	14.22
UPPER LIMIT	2778	8.075	6820	10.851	3518	14.724
LOWER LIMIT	694.5	7.075	1705	9.851	879.5	13.724
EPA SAMPLE NO.						
01 PB168476BL	1111	7.58	2537	10.36	1345	14.22
02 PB168476BS	1101	7.58	2637	10.35	1350	14.22
03 PB168476BSD	1070	7.58	2630	10.35	1332	14.22
04 RW8-SP100-20250612	1039	7.58	2587	10.35	1385	14.22
05 RW8-SP303-20250612	1035	7.58	2641	10.35	1419	14.22

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: CHEMTECH

Lab Code: CHEM Case No.: Q2316 SAS No.: Q2316 SDG NO.: Q2316

EPA Sample No.: SSTDCCC0.4 Date Analyzed: 06/14/2025

Lab File ID: BN037273.D Time Analyzed: 22:31

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	3220	16.971	2454	21.171	2514	23.357
UPPER LIMIT	6440	17.471	4908	21.671	5028	23.857
LOWER LIMIT	1610	16.471	1227	20.671	1257	22.857
EPA SAMPLE NO.						
01 PB168476BL	2242	16.98	1645	21.17	1590	23.36
02 PB168476BS	2251	16.97	1528	21.17	1224 *	23.36
03 PB168476BSD	2256	16.97	1565	21.17	1276	23.35
04 RW8-SP100-20250612	2353	16.98	1786	21.17	1731	23.35
05 RW8-SP303-20250612	2526	16.97	1833	21.17	1767	23.36

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:	PB168476BL		SDG No.:	Q2316
Lab Sample ID:	PB168476BL		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
BN037274.D	1	06/13/25 11:00	06/14/25 23:07	PB168476

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	0.33		30 - 150		83%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.36		30 - 150		90%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.29		55 - 111		74%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.34		53 - 106		84%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.38		58 - 132		95%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	1110	7.575				
1146-65-2	Naphthalene-d8	2540	10.361				
15067-26-2	Acenaphthene-d10	1350	14.224				
1517-22-2	Phenanthrene-d10	2240	16.984				
1719-03-5	Chrysene-d12	1650	21.171				
1520-96-3	Perylene-d12	1590	23.357				

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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:	PB168476BS		SDG No.:	Q2316
Lab Sample ID:	PB168476BS		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
BN037280.D	1	06/13/25 11:00	06/15/25 02:42	PB168476

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.30		0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.43		30 - 150		108%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.34		30 - 150		85%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.38		55 - 111		94%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.39		53 - 106		97%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.38		58 - 132		95%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	1100	7.575				
1146-65-2	Naphthalene-d8	2640	10.351				
15067-26-2	Acenaphthene-d10	1350	14.224				
1517-22-2	Phenanthrene-d10	2250	16.971				
1719-03-5	Chrysene-d12	1530	21.171				
1520-96-3	Perylene-d12	1220	23.357				

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Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	
Client Sample ID:	PB168476BSD		SDG No.:	Q2316
Lab Sample ID:	PB168476BSD		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
BN037281.D	1	06/13/25 11:00	06/15/25 03:18	PB168476

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.28		0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.40		30 - 150		99%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.32		30 - 150		81%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.34		55 - 111		85%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.36		53 - 106		89%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.36		58 - 132		90%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	1070	7.575				
1146-65-2	Naphthalene-d8	2630	10.351				
15067-26-2	Acenaphthene-d10	1330	14.223				
1517-22-2	Phenanthrene-d10	2260	16.971				
1719-03-5	Chrysene-d12	1570	21.17				
1520-96-3	Perylene-d12	1280	23.354				

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() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products



CALIBRATION SUMMARY

Method Path : Z:\svoasrv\HPCHEM1\BNA_N\Methods\
 Method File : 8270-SIM-BN061325.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Fri Jun 13 18:43:34 2025
 Response Via : Initial Calibration

Calibration Files

0.1 =BN037225.D 0.2 =BN037226.D 0.4 =BN037227.D 0.8 =BN037228.D 1.6 =BN037229.D 3.2 =BN037230.D 5.0 =BN037231.D

	Compound	0.1	0.2	0.4	0.8	1.6	3.2	5.0	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.683	0.525	0.535	0.549	0.515	0.486	0.549	12.56	
3)	n-Nitrosodimet...	1.357	1.277	1.208	1.295	1.232	1.134	1.250	6.18	
4) S	2-Fluorophenol	1.043	1.026	0.942	0.907	0.996	0.990	0.972	0.982	4.80
5) S	Phenol-d6	0.875	0.937	0.963	0.986	1.148	1.166	1.173	1.035	11.94
6)	bis(2-Chloroet...	0.768	0.709	0.870	0.955	1.086	1.064	1.040	0.927	16.08
7) I	Naphthalene-d8	-----ISTD-----								
8) S	Nitrobenzene-d5	0.366	0.304	0.384	0.377	0.440	0.442	0.453	0.395	13.53
9)	Naphthalene	1.186	1.153	1.133	1.109	1.208	1.161	1.159	1.158	2.83
10)	Hexachlorobuta...	0.299	0.290	0.302	0.271	0.285	0.267	0.258	0.282	5.91
11) SURR	2-Methylnaphth...	0.496	0.504	0.557	0.520	0.576	0.552	0.553	0.537	5.64
12)	2-Methylnaphth...	0.631	0.634	0.704	0.699	0.769	0.746	0.745	0.704	7.77
13) I	Acenaphthene-d10	-----ISTD-----								
14) S	2,4,6-Tribromo...	0.126	0.146	0.171	0.171	0.188	0.183	0.178	0.166	13.42
15) S	2-Fluorobiphenyl	1.566	1.530	1.699	1.658	1.822	1.777	1.715	1.681	6.31
16)	Acenaphthylene	1.907	1.870	1.870	1.915	2.077	2.062	2.021	1.960	4.61
17)	Acenaphthene	1.242	1.209	1.240	1.230	1.341	1.318	1.277	1.265	3.87
18)	Fluorene	1.544	1.509	1.593	1.610	1.757	1.714	1.649	1.625	5.46
19) I	Phenanthrene-d10	-----ISTD-----								
20)	4,6-Dinitro-2-...	0.074	0.066	0.086	0.100	0.110	0.116	0.092		21.86
21)	4-Bromophenyl-...	0.248	0.248	0.244	0.256	0.278	0.276	0.273	0.261	5.65
22)	Hexachlorobenzene	0.342	0.318	0.311	0.284	0.297	0.284	0.279	0.302	7.65
23)	Atrazine	0.223	0.229	0.222	0.228	0.241	0.241	0.244	0.232	3.84
24)	Pentachlorophenol	0.139	0.124	0.137	0.154	0.162	0.171	0.148		11.86
25)	Phenanthrene	1.253	1.225	1.186	1.238	1.324	1.328	1.327	1.269	4.54
26)	Anthracene	1.094	1.079	1.080	1.138	1.221	1.257	1.261	1.161	7.13
27) SURR	Fluoranthene-d10	1.015	1.073	1.053	1.017	1.053	1.043	1.073	1.046	2.27
28)	Fluoranthene	1.470	1.508	1.412	1.449	1.509	1.510	1.537	1.485	2.94
29) I	Chrysene-d12	-----ISTD-----								
30)	Pyrene	1.850	1.740	1.962	1.849	2.016	1.892	1.854	1.881	4.74
31) S	Terphenyl-d14	0.815	0.845	0.946	0.871	0.990	0.939	0.924	0.904	6.89
32)	Benzo(a)anthra...	1.175	1.204	1.225	1.332	1.512	1.507	1.499	1.351	11.36
33)	Chrysene	1.783	1.722	1.695	1.617	1.711	1.633	1.616	1.683	3.73
34)	Bis(2-ethylhex...	1.104	1.024	1.000	1.006	0.942	0.960	1.006		5.65
35) I	Perylene-d12	-----ISTD-----								

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

Method File : 8270-SIM-BN061325.M

36)	Indeno(1,2,3-c...	1.506	1.503	1.507	1.486	1.718	1.757	1.813	1.613	8.87
37)	Benzo(b)fluora...	1.309	1.288	1.376	1.456	1.618	1.576	1.620	1.463	9.81
38)	Benzo(k)fluora...	1.835	1.503	1.628	1.667	1.757	1.704	1.728	1.689	6.24
39) C	Benzo(a)pyrene	1.271	1.208	1.234	1.298	1.407	1.382	1.413	1.316	6.42
40)	Dibenzo(a,h)an...	1.106	1.102	1.049	1.118	1.362	1.425	1.427	1.227	13.76
41)	Benzo(g,h,i)pe...	1.504	1.460	1.441	1.386	1.557	1.566	1.557	1.496	4.63

(#) = Out of Range

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q2316 SAS No.: Q2316 SDG No.: Q2316

Instrument ID: BNA_N Calibration Date/Time: 06/14/2025 22:31

Lab File ID: BN037273.D Init. Calib. Date(s): 06/13/2025 06/13/2025

EPA Sample No.: SSTDCCC0.4 Init. Calib. Time(s): 13:33 17:11

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

COMPOUND	RRF	RRF0.4	MIN RRF	%D	MAX%D
2-Methylnaphthalene-d10	0.537	0.562		4.7	20.0
Fluoranthene-d10	1.047	1.055		0.9	20.0
2-Fluorophenol	0.982	0.959		-2.3	20.0
Phenol-d6	1.035	1.017		-1.7	20.0
Nitrobenzene-d5	0.395	0.415		5.1	20.0
2-Fluorobiphenyl	1.681	1.763		4.9	20.0
2,4,6-Tribromophenol	0.166	0.170		2.4	20.0
Terphenyl-d14	0.904	0.900		-0.4	20.0
1,4-Dioxane	0.549	0.499		-9.1	20.0

All other compounds must meet a minimum RRF of 0.010.

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q2316 SAS No.: Q2316 SDG No.: Q2316

Instrument ID: BNA_N Calibration Date/Time: 06/15/2025 03:54

Lab File ID: BN037282.D Init. Calib. Date(s): 06/13/2025 06/13/2025

EPA Sample No.: SSTDCCC0.4EC Init. Calib. Time(s): 13:33 17:11

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

COMPOUND	RRF	RRF0.4	MIN RRF	%D	MAX%D
2-Methylnaphthalene-d10	0.537	0.562		4.7	50.0
Fluoranthene-d10	1.047	1.054		0.8	50.0
2-Fluorophenol	0.982	0.915		-6.8	50.0
Phenol-d6	1.035	1.040		0.5	50.0
Nitrobenzene-d5	0.395	0.420		6.3	50.0
2-Fluorobiphenyl	1.681	1.736		3.3	50.0
2,4,6-Tribromophenol	0.166	0.171		3.0	50.0
Terphenyl-d14	0.904	0.949		5.0	50.0
1,4-Dioxane	0.549	0.485		-11.7	50.0

All other compounds must meet a minimum RRF of 0.010.

LAB CHRONICLE

OrderID:	Q2316	OrderDate:	6/12/2025 3:59:00 PM
Client:	Tetra Tech NUS, Inc.	Project:	NWIRP Bethpage 112G08005-WE13
Contact:	Ernie Wu	Location:	D41

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2316-01	RW8-SP100-2025061 2	Water	Metals Group4	6010D	06/12/25	06/13/25	06/17/25	06/12/25
Q2316-02	RW8-SP303-2025061 2	Water	Metals Group4	6010D	06/12/25	06/13/25	06/17/25	06/12/25



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Fax : 908 789 8922

Hit Summary Sheet
SW-846

SDG No.:	Q2316	Order ID:	Q2316
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-SP100-20250612									
Q2316-01	RW8-SP100-20250612	Water	Iron	953		11.7	40.0	50.0	ug/L
Client ID : RW8-SP303-20250612									
Q2316-02	RW8-SP303-20250612	Water	Iron	43.3	J	11.7	40.0	50.0	ug/L



SAMPLE DATA

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	06/12/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	06/12/25
Client Sample ID:	RW8-SP100-20250612	SDG No.:	Q2316
Lab Sample ID:	Q2316-01	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	953		1	11.7	40.0	50.0	ug/L	06/13/25 11:35	06/17/25 19:47	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:	06/12/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	06/12/25
Client Sample ID:	RW8-SP303-20250612	SDG No.:	Q2316
Lab Sample ID:	Q2316-02	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	43.3	J	1	11.7	40.0	50.0	ug/L	06/13/25 11:35	06/17/25 19:51	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.:** Q2316
Contract: TETR06 **Lab Code:** CHEM **Case No.:** Q2316 **SAS No.:** Q2316
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	3960	4000	99	90 - 110	P	06/17/2025	12:25	LB136187



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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client:

Tetra Tech NUS, Inc.

SDG No.:

Q2316

Contract:

TETR06

Lab Code:

CHEM

Case No.:

Q2316

SAS No.:

Q2316

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	110	100	110	80 - 120	P	06/17/2025	12:41	LB136187

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Tetra Tech NUS, Inc. **SDG No.:** Q2316

Contract: TETR06 **Lab Code:** CHEM **Case No.:** Q2316 **SAS No.:** Q2316

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	4850	5000	97	90 - 110	P	06/17/2025	13:40	LB136187
CCV02	Iron	4990	5000	100	90 - 110	P	06/17/2025	14:43	LB136187
CCV03	Iron	4870	5000	97	90 - 110	P	06/17/2025	15:38	LB136187
CCV04	Iron	4980	5000	100	90 - 110	P	06/17/2025	16:30	LB136187
CCV05	Iron	4900	5000	98	90 - 110	P	06/17/2025	17:37	LB136187
CCV06	Iron	4900	5000	98	90 - 110	P	06/17/2025	18:38	LB136187
CCV07	Iron	4900	5000	98	90 - 110	P	06/17/2025	19:25	LB136187
CCV08	Iron	4770	5000	95	90 - 110	P	06/17/2025	20:17	LB136187



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Metals

- 2b -

CRDL STANDARD FOR AA & ICP

Client: Tetra Tech NUS, Inc. **SDG No.:** Q2316
Contract: TETR06 **Lab Code:** CHEM **Case No.:** Q2316 **SAS No.:** Q2316
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	06/17/2025	12:50	LB136187



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Fax : 908 789 8922

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Tetra Tech NUS, Inc. **SDG No.:** Q2316
Contract: TETR06 **Lab Code:** CHEM **Case No.:** Q2316 **SAS No.:** Q2316

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB01	Iron	38.5	+/-50	J	80.0	100	P	06/17/2025	12:46	LB136187

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Tetra Tech NUS, Inc. **SDG No.:** Q2316
Contract: TETR06 **Lab Code:** CHEM **Case No.:** Q2316 **SAS No.:** Q2316

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	06/17/2025	13:48	LB136187
CCB02	Iron	23.4	+/-50	U	80.0	100	P	06/17/2025	14:50	LB136187
CCB03	Iron	27.5	+/-50	J	80.0	100	P	06/17/2025	15:42	LB136187
CCB04	Iron	23.4	+/-50	U	80.0	100	P	06/17/2025	16:34	LB136187
CCB05	Iron	23.4	+/-50	U	80.0	100	P	06/17/2025	17:41	LB136187
CCB06	Iron	23.4	+/-50	U	80.0	100	P	06/17/2025	18:42	LB136187
CCB07	Iron	27.8	+/-50	J	80.0	100	P	06/17/2025	19:30	LB136187
CCB08	Iron	41.7	+/-50	J	80.0	100	P	06/17/2025	20:22	LB136187

Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: Tetra Tech NUS, Inc.

SDG No.: Q2316

Instrument: P5

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	LOD ug/L	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB168475BL		WATER		Batch Number:		PB168475		Prep Date:	06/13/2025	
	Iron	11.7	<25	U	40.0	50.0	P	06/17/2025	17:10	LB136187

Metals

- 4 -

INTERFERENCE CHECK SAMPLE

Client: Tetra Tech NUS, Inc. **SDG No.:** Q2316
Contract: TETR06 **Lab Code:** CHEM **Case No.:** Q2316 **SAS No.:** Q2316
ICS Source: EPA **Instrument ID:** P5

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	103000	100000	103	85600	116500	06/17/2025	13:11	LB136187
ICSAB01	Iron	104000	99000	105	84400	114500	06/17/2025	13:22	LB136187



METAL QC DATA



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metals
- 5a -
MATRIX SPIKE SUMMARY

client:	Tetra Tech NUS, Inc.	level:	low	sdg no.:	Q2316		
contract:	TETR06	lab code:	CHEM	case no.:	Q2316	sas no.:	Q2316
matrix:	Water	sample id:	Q2316-02	client id:	RW8-SP303-20250612MS		
Percent Solids for Sample:	NA	Spiked ID:	Q2316-02MS	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	1620		43.3	J	1500	105		P

metals
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: Tetra Tech NUS, Inc. **level:** low **sdg no.:** Q2316
contract: TETR06 **lab code:** CHEM **case no.:** Q2316 **sas no.:** Q2316
matrix: Water **sample id:** Q2316-02 **client id:** RW8-SP303-20250612MSD
Percent Solids for Sample: NA **Spiked ID:** Q2316-02MSD **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	1570		43.3	J	1500	102		P

Metals
- 5b -

Client:

Tetra Tech NUS, Inc.

Contract:

TETR06

Matrix:

Sample ID:

SDG No.:

Q2316

Lab Code:

CHEM

Level:

LOW

Case No.:

Q2316

Client ID:

SAS No.:

Q2316

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>Q2316</u>
Contract:	<u>TETR06</u>	Lab Code:	<u>CHEM</u>	Case No.:	<u>Q2316</u>
Matrix:	<u>Water</u>	Sample ID:	<u>Q2316-02</u>	Client ID:	<u>RW8-SP303-20250612DUP</u>
Percent Solids for Sample:	NA	Duplicate ID	Q2316-02DUP	Percent Solids for Spike Sample:	NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Iron	ug/L	20	43.3	J	47.9	J	10		P

Metals

- 6 -

DUPLICATE SAMPLE SUMMARY

Client:	<u>Tetra Tech NUS, Inc.</u>	Level:	<u>LOW</u>	SDG No.:	<u>Q2316</u>
Contract:	<u>TETR06</u>	Lab Code:	<u>CHEM</u>	Case No.:	<u>Q2316</u>
Matrix:	<u>Water</u>	Sample ID:	<u>Q2316-02MS</u>	Client ID:	<u>RW8-SP303-20250612MSD</u>
Percent Solids for Sample:	NA	Duplicate ID	Q2316-02MSD	Percent Solids for Spike Sample:	NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Iron	ug/L	20	1620		1570		3		P

Metals

- 7 -

LABORATORY CONTROL SAMPLE SUMMARY

Client: Tetra Tech NUS, Inc.

SDG No.: Q2316

Contract: TETR06

Lab Code: CHEM

Case No.: Q2316

SAS No.: Q2316

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB168475BS Iron	ug/L	1500	1580		105	87 - 115	P

Metals
-9 -
ICP SERIAL DILUTIONS

SAMPLE NO.

RW8-SP303-20250612L

Lab Name: Chemtech Consulting Group

Contract: TETR06

Lab Code: CHEM

Lb No.: lb136187

Lab Sample ID : Q2316-02L

SDG No.: Q2316

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
Iron	43.3	J	59.0	J	36		P



METAL PREPARATION & INSTRUMENT DATA

Metals

- 11 -

ICP INTERELEMENT CORRECTION FACTORS

Client: Tetra Tech NUS, Inc.

SDG No.: Q2316

Contract: TETR06

Lab Code: CHEM

Case No.: Q2316

SAS No.: Q2316

Instrument ID: _____

Date: _____

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave- Length (nm)	ICP Interelement 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.: Q2316

Contract: TETR06

Lab Code: CHEM

Case No.: Q2316

SAS No.: Q2316

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	0.0000000

Metals

- 11 -

ICP INTERELEMENT CORRECTION FACTORS

Client: Tetra Tech NUS, Inc.

SDG No.: Q2316

Contract: TETR06

Lab Code: CHEM

Case No.: Q2316

SAS No.: Q2316

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	0.0000000	0.0000000	0.0000000

Metals

- 11 -

ICP INTERELEMENT CORRECTION FACTORS

Client: Tetra Tech NUS, Inc.

SDG No.: Q2316

Contract: TETR06

Lab Code: CHEM

Case No.: Q2316

SAS No.: Q2316

Instrument ID: _____

Date: _____

Interement 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	0.0000000	0.0000000	0.0000000	0.0000000

Metals

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ICP INTERELEMENT CORRECTION FACTORS

Client: Tetra Tech NUS, Inc.

SDG No.: Q2316

Contract: TETR06

Lab Code: CHEM

Case No.: Q2316

SAS No.: Q2316

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

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SAMPLE PREPARATION SUMMARY

Client:	<u>Tetra Tech NUS, Inc.</u>	SDG No.:	<u>Q2316</u>
Contract:	<u>TETR06</u>	Lab Code:	<u>CHEM</u>
		Method:	<u></u>
		Case No.:	<u>Q2316</u>
		SAS No.:	<u>Q2316</u>

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(mL)	Final Sample Volume (mL)	Percent Solids
Batch Number: PB168475							
PB168475BL	PB168475BL	MB	WATER	06/13/2025	50.0	25.0	
PB168475BS	PB168475BS	LCS	WATER	06/13/2025	50.0	25.0	
Q2316-01	RW8-SP100-20250612	SAM	WATER	06/13/2025	50.0	25.0	
Q2316-02	RW8-SP303-20250612	SAM	WATER	06/13/2025	50.0	25.0	
Q2316-02DUP	RW8-SP303-20250612DUP	DUP	WATER	06/13/2025	50.0	25.0	
Q2316-02MS	RW8-SP303-20250612MS	MS	WATER	06/13/2025	50.0	25.0	
Q2316-02MSD	RW8-SP303-20250612MSD	MSD	WATER	06/13/2025	50.0	25.0	

metals
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ANALYSIS RUN LOG

Client: Tetra Tech NUS, Inc. **Contract:** TETR06

Lab code: CHEM **Case no.:** Q2316 **Sas no.:** Q2316 **Sdg no.:** Q2316

Instrument id number: **Method:** **Run number:** LB136187

Start date: 06/17/2025 **End date:** 06/17/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1158	Fe
S1	S1	1	1203	Fe
S2	S2	1	1207	Fe
S3	S3	1	1211	Fe
S4	S4	1	1216	Fe
S5	S5	1	1220	Fe
ICV01	ICV01	1	1225	Fe
LLICV01	LLICV01	1	1241	Fe
ICB01	ICB01	1	1246	Fe
CRI01	CRI01	1	1250	Fe
ICSA01	ICSA01	1	1311	Fe
ICSAB01	ICSAB01	1	1322	Fe
CCV01	CCV01	1	1340	Fe
CCB01	CCB01	1	1348	Fe
CCV02	CCV02	1	1443	Fe
CCB02	CCB02	1	1450	Fe
CCV03	CCV03	1	1538	Fe
CCB03	CCB03	1	1542	Fe
CCV04	CCV04	1	1630	Fe
CCB04	CCB04	1	1634	Fe
PB168475BL	PB168475BL	1	1710	Fe
PB168475BS	PB168475BS	1	1714	Fe
CCV05	CCV05	1	1737	Fe
CCB05	CCB05	1	1741	Fe
CCV06	CCV06	1	1838	Fe
CCB06	CCB06	1	1842	Fe
CCV07	CCV07	1	1925	Fe
CCB07	CCB07	1	1930	Fe
Q2316-01	RW8-SP100-20250612	1	1947	Fe
Q2316-02	RW8-SP303-20250612	1	1951	Fe
Q2316-02DUP	RW8-SP303-20250612DUP	1	1956	Fe
Q2316-02L	RW8-SP303-20250612L	5	2000	Fe
Q2316-02MS	RW8-SP303-20250612MS	1	2004	Fe
Q2316-02MSD	RW8-SP303-20250612MSD	1	2009	Fe
CCV08	CCV08	1	2017	Fe
CCB08	CCB08	1	2022	Fe

LAB CHRONICLE

OrderID:	Q2316	OrderDate:	6/12/2025 3:59:00 PM
Client:	Tetra Tech NUS, Inc.	Project:	NWIRP Bethpage 112G08005-WE13
Contact:	Ernie Wu	Location:	D41

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2316-02	RW8-SP303-2025061 2	WATER			06/12/25 13:13			06/12/25
			TDS	SM2540 C			06/17/25 17:20	
			TSS	SM2540 D			06/18/25 18:00	



SAMPLE DATA

A

B

C

D

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	06/12/25 13:13
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	06/12/25
Client Sample ID:	RW8-SP303-20250612	SDG No.:	Q2316
Lab Sample ID:	Q2316-02	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
TDS	1.00	J	1	1.00	10.0	10.0	mg/L		06/17/25 17:20	SM 2540 C-15
TSS	4.00	U	1	1.00	4.00	4.00	mg/L		06/18/25 18:00	SM 2540 D-15

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.: Q2316

Project: NWIRP Bethpage 112G08005-WE13

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: LB136186BL							
TDS	mg/L	< 5.0000	5.0000	U	1.0	10	06/17/2025
Sample ID: LB136202BL							
TSS	mg/L	1	2.0000	J	1	4	06/18/2025

Duplicate Sample Summary

Client:	Tetra Tech NUS, Inc.	SDG No.:	Q2316
Project:	NWIRP Bethpage 112G08005-WE13	Sample ID:	Q2316-02
Client ID:	RW8-SP303-20250612DUP	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	1.00	J	1.00	J	1	0		06/17/2025

Duplicate Sample Summary

Client:	Tetra Tech NUS, Inc.	SDG No.:	Q2316
Project:	NWIRP Bethpage 112G08005-WE13	Sample ID:	Q2344-07
Client ID:	MW-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	11.6		12.1		1	4.22		06/18/2025

Laboratory Control Sample Summary

Client: Tetra Tech NUS, Inc.

SDG No.: Q2316

Project: NWIRP Bethpage 112G08005-WE13

Run No.: LB136186

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	LB136186BS							
TDS	mg/L	100	95.0		95	1	90-110	06/17/2025

Laboratory Control Sample Summary

Client: Tetra Tech NUS, Inc.

SDG No.: Q2316

Project: NWIRP Bethpage 112G08005-WE13

Run No.: LB136202

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	LB136202BS							
TSS	mg/L	550	533		97	1	90-110	06/18/2025