

ANALYTICAL RESULTS SUMMARY

SEMI-VOLATILE ORGANICS

PROJECT NAME : NWIRP BETHPAGE 112G08005-WE13

TETRA TECH NUS, INC.

661 Andersen Drive

Suite 200

Pittsburgh, PA - 15220-2745

Phone No: 412-921-7090

ORDER ID : Q2885

ATTENTION : Ernie Wu



Laboratory Certification ID # 20012



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Cover Page

Order ID : Q2885

Project ID : NWIRP Bethpage 112G08005-WE13

Client : Tetra Tech NUS, Inc.

Lab Sample Number

Q2885-01
Q2885-02
Q2885-03

Client Sample Number

RW5-SP100-20250814
RW5-SP201-20250814
RW5-SP303-20250814

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Signature : _____

Date: 8/27/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

CASE NARRATIVE

Tetra Tech NUS, Inc.

Project Name: NWIRP Bethpage 112G08005-WE13

Project Manager : Ernie Wu

Order ID # Q2885

Test Name: SVOC-SIMGroup1

A. Number of Samples and Date of Receipt:

3 Water samples were received on 08/15/2025.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: SVOC-SIMGroup1. This data package contains results for SVOC-SIMGroup1.

C. Analytical Techniques:

The samples were analyzed on instrument BNA_N using GC Column ZB-SemiVolatiles Guardian which is 30 meters, 0.25 mm ID, 0.5 um df, Catalog # 7HG-G027-17-GGA. The analysis of SVOC-SIMGroup1 was based on method 8270-Modified and extraction was done based on method 3510.

D. QA/ QC Samples:

The Holding Times were met for all analysis.

The Surrogate recoveries were met for all analysis.

The Internal Standards Areas were met for all analysis.

The Retention Times were met for all analysis.

The RPD were met for all analysis.

The Blank Spike met requirements for all compounds.

The Blank Spike Duplicate met requirements for all compounds.

The Blank analysis did not indicate the presence of lab contamination.

The Initial Calibration met the requirements.

The Continuous Calibration File ID BN037641.D met the requirements except for Phenol-d6. Failed surrogate is not associated with DOD, Therefore no further corrective action was taken.

The Tuning criteria met requirements.

Sample RW5-SP100-20250814 was diluted due to high concentration.

E. Additional Comments:

The laboratory certifies that the all-electronic diskette deliverable exactly match the data summary forms (i.e. Form Is)."

The Form 6 is not included in the data package because the Initial Calibration was performed using 7 points.

Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <20% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 20% for the Initial Calibration curve for SW-846 analysis.

F. Manual Integration Comments:

Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature_____

DATA REPORTING QUALIFIERS- ORGANIC

For reporting results, the following “Results Qualifiers” are used:

Value	If the result is a value greater than or equal to the detection limit, report the value
U	Indicates the compound was analyzed for but was not detected. Report the minimum detection limit for the sample with the U, i.e. “10 U”. This is not necessarily the instrument detection limit attainable for this particular sample based on any concentration or dilution that may have been required.
ND	Indicates the analyte was analyzed for, but not detected
J	Indicates an estimated value. This flag is used: (1) When estimating a concentration for a tentatively identified compound (library search hits, where a 1:1 response is assumed.) (2) When the mass spectral data indicated the identification, however the result was less than the specified detection limit greater than zero. If the detection limit was 10ug/L and a concentration of 3 ug/L was calculated report as 3 J. This flag is used when similar situation arise on any organic parameter i.e. Pest, PCB and others.
B	Indicates the analyte was found in the blank as well as the sample report as “12 B”.
E	Indicates the analyte ‘s concentration exceeds the calibrated range of the instrument for that specific analysis.
D	This flag identifies all compounds identified in an analysis at a secondary dilution factor.
P	This flag is used for Pesticide/PCB target analyte when there is >25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on Form 1 and flagged with a “P”.
N	This flag indicates presumptive evidence of a compound. This is only used for tentatively identified compounds (TICs), where the identification is based on a mass spectral library search. It applies to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the flag is not used.
A	This flag indicates that a Tentatively Identified Compound is a suspected aldol-condensation product.
Q	Indicates the LCS did not meet the control limits requirements

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q2885

Completed

For thorough review, the report must have the following:

GENERAL:

Are all original paperwork present (chain of custody, record of communication,airbill, sample management lab chronicle, login page)

✓

Check chain-of-custody for proper relinquish/return of samples

✓

Is the chain of custody signed and complete

✓

Check internal chain-of-custody for proper relinquish/return of samples /sample extracts

✓

Collect information for each project id from server. Were all requirements followed

✓

COVER PAGE:

Do numbers of samples correspond to the number of samples in the Chain of Custody on login page

✓

Do lab numbers and client Ids on cover page agree with the Chain of Custody

✓

CHAIN OF CUSTODY:

Do requested analyses on Chain of Custody agree with form I results

✓

Do requested analyses on Chain of Custody agree with the log-in page

✓

Were the correct method log-in for analysis according to the Analytical Request and Chain of Castody

✓

Were the samples received within hold time

✓

Were any problems found with the samples at arrival recorded in the Sample Management Laboratory Chronicle

✓

ANALYTICAL:

Was method requirement followed?

✓

Was client requirement followed?

✓

Does the case narrative summarize all QC failure?

✓

All runlogs and manual integration are reviewed for requirements

✓

All manual calculations and /or hand notations verified

✓

QA Review Signature: SOHIL JODHANI

Date: 08/27/2025

LAB CHRONICLE

OrderID:	Q2885	OrderDate:	8/15/2025 11:07:00 AM
Client:	Tetra Tech NUS, Inc.	Project:	NWIRP Bethpage 112G08005-WE13
Contact:	Ernie Wu	Location:	J22

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2885-01	RW5-SP100-2025081 4	Water			08/14/25			08/15/25
			SVOC-SIMGroup1	8270-Modified		08/20/25	08/20/25	
Q2885-01DL	RW5-SP100-2025081 4DL	Water			08/14/25			08/15/25
			SVOC-SIMGroup1	8270-Modified		08/20/25	08/21/25	
Q2885-02	RW5-SP201-2025081 4	Water			08/14/25			08/15/25
			SVOC-SIMGroup1	8270-Modified		08/20/25	08/20/25	
Q2885-03	RW5-SP303-2025081 4	Water			08/14/25			08/15/25
			SVOC-SIMGroup1	8270-Modified		08/20/25	08/20/25	



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

Hit Summary Sheet SW-846

SDG No.: Q2885

Client: Tetra Tech NUS, Inc.

Sample ID	Client ID	Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID : RW5-SP100-20250814								
Q2885-01	RW5-SP100-20250814	WATER	1,4-Dioxane	5.700	E	0.07	0.2	0.2 ug/L
			Total Svoc :	5.70				
			Total Concentration:	5.70				
Client ID : RW5-SP100-20250814DL								
Q2885-01DL	RW5-SP100-20250814DI	WATER	1,4-Dioxane	5.800	D	0.13	0.41	0.41 ug/L
			Total Svoc :	5.80				
			Total Concentration:	5.80				



SAMPLE DATA

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	08/14/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	08/15/25
Client Sample ID:	RW5-SP100-20250814	SDG No.:	Q2885
Lab Sample ID:	Q2885-01	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
BN037637.D	1	08/20/25 09:05	08/20/25 19:22	PB169328

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	5.70	E	0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.28		30 - 150		70%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.37		30 - 150		92%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.36		55 - 111		90%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.33		53 - 106		81%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.45		58 - 132		112%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	2110	7.71				
1146-65-2	Naphthalene-d8	4910	10.487				
15067-26-2	Acenaphthene-d10	2330	14.345				
1517-22-2	Phenanthrene-d10	5060	17.086				
1719-03-5	Chrysene-d12	4260	21.268				
1520-96-3	Perylene-d12	3740	23.499				

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:	08/14/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	08/15/25
Client Sample ID:	RW5-SP100-20250814DL	SDG No.:	Q2885
Lab Sample ID:	Q2885-01DL	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
BN037645.D	2	08/20/25 09:05	08/21/25 11:45	PB169328

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	5.80	D	0.13	0.41	0.41	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.28		30 - 150		70%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.37		30 - 150		93%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.37		55 - 111		91%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.33		53 - 106		83%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.44		58 - 132		109%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	3000	7.71				
1146-65-2	Naphthalene-d8	6900	10.488				
15067-26-2	Acenaphthene-d10	3210	14.345				
1517-22-2	Phenanthrene-d10	6870	17.087				
1719-03-5	Chrysene-d12	5760	21.268				
1520-96-3	Perylene-d12	5260	23.499				

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Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	08/14/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	08/15/25
Client Sample ID:	RW5-SP201-20250814	SDG No.:	Q2885
Lab Sample ID:	Q2885-02	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
BN037638.D	1	08/20/25 09:05	08/20/25 19:58	PB169328

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	0.30		30 - 150		75%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.41		30 - 150		103%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.37		55 - 111		94%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.36		53 - 106		89%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.48		58 - 132		120%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	1990	7.71				
1146-65-2	Naphthalene-d8	4570	10.488				
15067-26-2	Acenaphthene-d10	2150	14.345				
1517-22-2	Phenanthrene-d10	4480	17.087				
1719-03-5	Chrysene-d12	4020	21.268				
1520-96-3	Perylene-d12	3440	23.499				

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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:	08/14/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	08/15/25
Client Sample ID:	RW5-SP303-20250814	SDG No.:	Q2885
Lab Sample ID:	Q2885-03	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
BN037639.D	1	08/20/25 09:05	08/20/25 20:34	PB169328

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	0.40		30 - 150		99%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.39		55 - 111		97%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.36		53 - 106		90%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.43		58 - 132		108%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	1820	7.71				
1146-65-2	Naphthalene-d8	4110	10.487				
15067-26-2	Acenaphthene-d10	1990	14.345				
1517-22-2	Phenanthrene-d10	4380	17.086				
1719-03-5	Chrysene-d12	3680	21.268				
1520-96-3	Perylene-d12	3230	23.499				

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D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products



QC SUMMARY

Surrogate Summary

SW-846

SDG No.: Q2885

Client: Tetra Tech NUS, Inc.

Analytical Method: 8270-Modified

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
							Low	High
PB169328BL	PB169328BL	2-Methylnaphthalene-d10	0.4	0.31	78		30	150
		Fluoranthene-d10	0.4	0.34	84		30	150
		Nitrobenzene-d5	0.4	0.36	91		55	111
		2-Fluorobiphenyl	0.4	0.36	90		53	106
		Terphenyl-d14	0.4	0.36	91		58	132
PB169328BS	PB169328BS	2-Methylnaphthalene-d10	0.4	0.34	86		30	150
		Fluoranthene-d10	0.4	0.33	81		30	150
		Nitrobenzene-d5	0.4	0.38	95		55	111
		2-Fluorobiphenyl	0.4	0.39	97		53	106
		Terphenyl-d14	0.4	0.38	95		58	132
PB169328BSD	PB169328BSD	2-Methylnaphthalene-d10	0.4	0.34	84		30	150
		Fluoranthene-d10	0.4	0.32	79		30	150
		Nitrobenzene-d5	0.4	0.37	93		55	111
		2-Fluorobiphenyl	0.4	0.36	90		53	106
		Terphenyl-d14	0.4	0.38	95		58	132
Q2885-01	RW5-SP100-20250814	2-Methylnaphthalene-d10	0.4	0.28	70		30	150
		Fluoranthene-d10	0.4	0.37	92		30	150
		Nitrobenzene-d5	0.4	0.36	90		55	111
		2-Fluorobiphenyl	0.4	0.33	81		53	106
		Terphenyl-d14	0.4	0.45	112		58	132
Q2885-01DL	RW5-SP100-20250814DL	2-Methylnaphthalene-d10	0.4	0.28	70		30	150
		Fluoranthene-d10	0.4	0.37	93		30	150
		Nitrobenzene-d5	0.4	0.37	91		55	111
		2-Fluorobiphenyl	0.4	0.33	83		53	106
		Terphenyl-d14	0.4	0.44	109		58	132
Q2885-02	RW5-SP201-20250814	2-Methylnaphthalene-d10	0.4	0.30	75		30	150
		Fluoranthene-d10	0.4	0.41	103		30	150
		Nitrobenzene-d5	0.4	0.37	94		55	111
		2-Fluorobiphenyl	0.4	0.36	89		53	106
		Terphenyl-d14	0.4	0.48	120		58	132
Q2885-03	RW5-SP303-20250814	2-Methylnaphthalene-d10	0.4	0.32	79		30	150
		Fluoranthene-d10	0.4	0.40	99		30	150
		Nitrobenzene-d5	0.4	0.39	97		55	111
		2-Fluorobiphenyl	0.4	0.36	90		53	106
		Terphenyl-d14	0.4	0.43	108		58	132

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2885

Analytical Method: 8270-Modified

Client: Tetra Tech NUS, Inc.

DataFile: BN037635.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB169328BS	1,4-Dioxane	0.4	0.32	ug/L	80				70	130	

A
B
C
D
E
F
G

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q2885</u>	Analytical Method:	<u>8270-Modified</u>
Client:	<u>Tetra Tech NUS, Inc.</u>	DataFile:	<u>BN037636.D</u>

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits		RPD
								Qual	Low	High		
PB169328BSD	1,4-Dioxane	0.4	0.31	ug/L	78	3			70	130		20

4B

SEMIVOLATILE METHOD BLANK SUMMARY

Client ID

PB169328BL

Lab Name: Alliance

Contract: TETR06

Lab Code: ACE

SDG NO.: Q2885

Lab File ID: BN037634.D

Lab Sample ID: PB169328BL

Instrument ID: BNA_N

Date Extracted: 08/20/2025

Matrix: (soil/water) Water

Date Analyzed: 08/20/2025

Level: (low/med) LOW

Time Analyzed: 17:33

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB169328BS	PB169328BS	BN037635.D	08/20/2025
PB169328BSD	PB169328BSD	BN037636.D	08/20/2025
RW5-SP100-20250814	Q2885-01	BN037637.D	08/20/2025
RW5-SP201-20250814	Q2885-02	BN037638.D	08/20/2025
RW5-SP303-20250814	Q2885-03	BN037639.D	08/20/2025

COMMENTS: _____

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance
Lab Code: ACE
Lab File ID: BN037576.D
Instrument ID: BNA_N

Contract: TETR06
SDG NO.: Q2885
DFTPP Injection Date: 08/12/2025
DFTPP Injection Time: 15:05

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.0 (0.0) 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	7.1
365	Greater than 1% of mass 198	3.9
441	Present, but less than mass 443	87.2
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	16.2 (19.2) 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	BN037578.D	08/12/2025	16:26
SSTDICC0.2	SSTDICC0.2	BN037579.D	08/12/2025	17:03
SSTDICCC0.4	SSTDICCC0.4	BN037580.D	08/12/2025	17:39
SSTDICC0.8	SSTDICC0.8	BN037581.D	08/12/2025	18:16
SSTDICC1.6	SSTDICC1.6	BN037582.D	08/12/2025	18:52
SSTDICC3.2	SSTDICC3.2	BN037583.D	08/12/2025	19:29
SSTDICC5.0	SSTDICC5.0	BN037584.D	08/12/2025	20:05

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance
Lab Code: ACE
Lab File ID: BN037632.D
Instrument ID: BNA_N

Contract: TETR06
SDG NO.: Q2885
DFTPP Injection Date: 08/20/2025
DFTPP Injection Time: 16:18

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.0 (0.0) 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	3.7
441	Present, but less than mass 443	81.1
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	16 (19.6) 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	BN037633.D	08/20/2025	16:57
PB169328BL	PB169328BL	BN037634.D	08/20/2025	17:33
PB169328BS	PB169328BS	BN037635.D	08/20/2025	18:10
PB169328BSD	PB169328BSD	BN037636.D	08/20/2025	18:46
RW5-SP100-20250814	Q2885-01	BN037637.D	08/20/2025	19:22
RW5-SP201-20250814	Q2885-02	BN037638.D	08/20/2025	19:58
RW5-SP303-20250814	Q2885-03	BN037639.D	08/20/2025	20:34
SSTDCCC0.4EC	SSTDCCC0.4	BN037641.D	08/20/2025	21:47

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance
Lab Code: ACE
Lab File ID: BN037642.D
Instrument ID: BNA_N

Contract: TETR06
SDG NO.: Q2885
DFTPP Injection Date: 08/21/2025
DFTPP Injection Time: 09:12

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.7 (1.9) 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	6.8
365	Greater than 1% of mass 198	3.7
441	Present, but less than mass 443	76.6
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	17.2 (20.4) 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	BN037643.D	08/21/2025	09:51
RW5-SP100-20250814DL	Q2885-01DL	BN037645.D	08/21/2025	11:45
SSTDCCC0.4EC	SSTDCCC0.4	BN037646.D	08/21/2025	13:11

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE

SDG NO.: Q2885

Client ID : SSTDCCC0.4

Date Analyzed: 08/20/2025

Lab File ID: BN037633.D

Time Analyzed: 16:57

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	2754	7.71	6418	10.49	3102	14.35
UPPER LIMIT	5508	8.21	12836	10.987	6204	14.845
LOWER LIMIT	1377	7.21	3209	9.987	1551	13.845
EPA SAMPLE NO.						
01 PB169328BL	2138	7.71	4908	10.49	2089	14.35
02 PB169328BS	2188	7.71	5030	10.49	2230	14.35
03 PB169328BSD	2346	7.71	5382	10.49	2393	14.35
04 RW5-SP100-20250814	2105	7.71	4906	10.49	2332	14.35
05 RW5-SP201-20250814	1991	7.71	4567	10.49	2148	14.35
06 RW5-SP303-20250814	1820	7.71	4111	10.49	1992	14.35

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.: Q2885

Client ID: SSTDCCC0.4

Date Analyzed: 08/20/2025

Lab File ID: BN037633.D

Time Analyzed: 16:57

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	6405	17.086	5848	21.268	4933	23.502
UPPER LIMIT	12810	17.586	11696	21.768	9866	24.002
LOWER LIMIT	3202.5	16.586	2924	20.768	2466.5	23.002
EPA SAMPLE NO.						
01 PB169328BL	4205	17.09	3648	21.27	3405	23.51
02 PB169328BS	4276	17.09	3523	21.27	3228	23.50
03 PB169328BSD	4365	17.09	3473	21.27	3177	23.50
04 RW5-SP100-20250814	5055	17.09	4261	21.27	3736	23.50
05 RW5-SP201-20250814	4480	17.09	4020	21.27	3442	23.50
06 RW5-SP303-20250814	4379	17.09	3682	21.27	3234	23.50

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.

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE

SDG NO.: Q2885

Client ID : SSTDCCC0.4

Date Analyzed: 08/21/2025

Lab File ID: BN037643.D

Time Analyzed: 09:51

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	2301	7.71	5449	10.49	2612	14.35
UPPER LIMIT	4602	8.21	10898	10.987	5224	14.845
LOWER LIMIT	1150.5	7.21	2724.5	9.987	1306	13.845
EPA SAMPLE NO.						
01 RW5-SP100-20250814DL	3001	7.71	6896	10.49	3211	14.35

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.: Q2885

Client ID: SSTDCCC0.4

Date Analyzed: 08/21/2025

Lab File ID: BN037643.D

Time Analyzed: 09:51

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	5478	17.086	4711	21.268	4025	23.499
UPPER LIMIT	10956	17.586	9422	21.768	8050	23.999
LOWER LIMIT	2739	16.586	2355.5	20.768	2012.5	22.999
EPA SAMPLE NO.						
01 RW5-SP100-20250814DL	6869	17.09	5758	21.27	5260	23.50

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:	PB169328BL		SDG No.:	Q2885	
Lab Sample ID:	PB169328BL		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
BN037634.D	1	08/20/25 09:05	08/20/25 17:33	PB169328

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		78%	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		91%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.36		53 - 106		90%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.36		58 - 132		91%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	2140	7.71				
1146-65-2	Naphthalene-d8	4910	10.488				
15067-26-2	Acenaphthene-d10	2090	14.345				
1517-22-2	Phenanthrene-d10	4210	17.087				
1719-03-5	Chrysene-d12	3650	21.268				
1520-96-3	Perylene-d12	3410	23.505				

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:		
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:		
Client Sample ID:	PB169328BS		SDG No.:	Q2885	
Lab Sample ID:	PB169328BS		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
BN037635.D	1	08/20/25 09:05	08/20/25 18:10	PB169328

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.32		0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.34		30 - 150		86%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.33		30 - 150		81%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.38		55 - 111		95%	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	2190	7.71				
1146-65-2	Naphthalene-d8	5030	10.488				
15067-26-2	Acenaphthene-d10	2230	14.345				
1517-22-2	Phenanthrene-d10	4280	17.087				
1719-03-5	Chrysene-d12	3520	21.268				
1520-96-3	Perylene-d12	3230	23.499				

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:		
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:		
Client Sample ID:	PB169328BSD		SDG No.:	Q2885	
Lab Sample ID:	PB169328BSD		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
BN037636.D	1	08/20/25 09:05	08/20/25 18:46	PB169328

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.31		0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.34		30 - 150		84%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.32		30 - 150		79%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.37		55 - 111		93%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.36		53 - 106		90%	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	2350	7.71				
1146-65-2	Naphthalene-d8	5380	10.487				
15067-26-2	Acenaphthene-d10	2390	14.345				
1517-22-2	Phenanthrene-d10	4370	17.086				
1719-03-5	Chrysene-d12	3470	21.268				
1520-96-3	Perylene-d12	3180	23.501				

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



CALIBRATION SUMMARY

Method Path : Z:\svoasrv\HPCHEM1\BNA_N\Methods\
 Method File : 8270-SIM-BN081225.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Wed Aug 13 05:00:58 2025
 Response Via : Initial Calibration

Calibration Files

0.1 =BN037578.D 0.2 =BN037579.D 0.4 =BN037580.D 0.8 =BN037581.D 1.6 =BN037582.D 3.2 =BN037583.D 5 =BN037584.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	0.395	0.368	0.397	0.375	0.348	0.383		6.08
3)	n-Nitrosodimet...	0.471	0.488	0.471	0.493	0.503	0.508	0.489		3.19
4) S	2-Fluorophenol	0.922	0.945	0.888	0.823	0.886	0.906	0.977	0.907	5.41
5) S	Phenol-d6	1.045	1.051	1.044	0.983	1.198	1.117	1.201	1.091	7.66
6)	bis(2-Chloroet...	0.935	0.987	0.976	0.936	1.020	1.008	1.022	0.983	3.75
7) I	Naphthalene-d8	-----ISTD-----								
8) S	Nitrobenzene-d5	0.270	0.257	0.262	0.264	0.292	0.301	0.326	0.282	9.03
9)	Naphthalene	1.044	1.050	1.037	1.012	1.089	1.096	1.127	1.065	3.78
10)	Hexachlorobuta...	0.252	0.258	0.262	0.253	0.267	0.264	0.265	0.260	2.22
11) SURR2	Methylnaphth...	0.488	0.492	0.508	0.493	0.543	0.578	0.705	0.544	14.39
12)	2-Methylnaphth...	0.589	0.631	0.635	0.629	0.701	0.731	0.760	0.668	9.39
13) I	Acenaphthene-d10	-----ISTD-----								
14) S	2,4,6-Tribromo...	0.139	0.149	0.156	0.160	0.185	0.203	0.234	0.175	19.39
15) S	2-Fluorobiphenyl	2.226	2.243	2.300	2.251	2.341	2.391	2.440	2.313	3.50
16)	Acenaphthylene	1.740	1.760	1.710	1.653	1.850	1.858	1.980	1.793	6.15
17)	Acenaphthene	1.144	1.150	1.172	1.154	1.283	1.286	1.348	1.220	6.86
18)	Fluorene	1.466	1.510	1.524	1.521	1.686	1.693	1.770	1.596	7.38
19) I	Phenanthrene-d10	-----ISTD-----								
20)	4,6-Dinitro-2-...	0.042	0.046	0.047	0.061	0.070		0.053		22.37
21)	4-Bromophenyl-...	0.226	0.236	0.234	0.237	0.265	0.271	0.292	0.251	9.77
22)	Hexachlorobenzene	0.360	0.360	0.356	0.332	0.364	0.354	0.370	0.356	3.37
23)	Atrazine	0.127	0.126	0.130	0.134	0.160	0.176		0.142	14.76
24)	Pentachlorophenol		0.108	0.113	0.113	0.139	0.152		0.125	15.36
25)	Phenanthrene	1.146	1.162	1.170	1.138	1.281	1.269	1.347	1.216	6.72
26)	Anthracene	0.950	0.985	0.995	0.988	1.145	1.186	1.286	1.077	11.93
27) SURR	Fluoranthene-d10	0.932	0.966	0.954	0.935	1.050	1.110	1.419	1.052	16.61
28)	Fluoranthene	1.241	1.264	1.299	1.291	1.503	1.533	1.648	1.397	11.53
29) I	Chrysene-d12	-----ISTD-----								
30)	Pyrene	1.539	1.486	1.464	1.403	1.502	1.520	1.552	1.495	3.38
31) S	Terphenyl-d14	0.814	0.801	0.796	0.763	0.833	0.853	0.901	0.823	5.45
32)	Benzo(a)anthra...	1.266	1.275	1.263	1.253	1.351	1.458	1.487	1.336	7.40
33)	Chrysene	1.547	1.515	1.433	1.379	1.511	1.489	1.551	1.489	4.21
34)	Bis(2-ethylhex...		0.518	0.522	0.483	0.522	0.593	0.671	0.551	12.47
35) I	Perylene-d12	-----ISTD-----								

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

Method File : 8270-SIM-BN081225.M

36)	Indeno(1,2,3-c...	1.446	1.462	1.612	1.568	1.816	1.883	2.011	1.686	13.01
37)	Benzo(b)fluora...	1.351	1.375	1.338	1.432	1.615	1.674	1.825	1.516	12.52
38)	Benzo(k)fluora...	1.597	1.580	1.651	1.628	1.821	1.797	1.898	1.710	7.36
39) C	Benzo(a)pyrene	1.146	1.136	1.149	1.157	1.322	1.382	1.508	1.257	11.77
40)	Dibenzo(a,h)an...	1.023	1.118	1.222	1.215	1.439	1.516	1.621	1.308	16.85
41)	Benzo(g,h,i)pe...	1.207	1.274	1.262	1.261	1.467	1.532	1.643	1.378	12.17

(#) = Out of Range

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: TETR06
 Lab Code: ACE SDG No.: Q2885
 Instrument ID: BNA_N Calibration Date/Time: 08/20/2025 16:57
 Lab File ID: BN037633.D Init. Calib. Date(s): 08/12/2025 08/12/2025
 EPA Sample No.: SSTDCCC0.4 Init. Calib. Time(s): 16:26 20:05
 GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF0.4	MIN RRF	%D	MAX%D
2-Methylnaphthalene-d10	0.544	0.500		-8.1	20.0
Fluoranthene-d10	1.052	0.958		-8.9	20.0
2-Fluorophenol	0.907	0.835		-7.9	20.0
Phenol-d6	1.091	1.002		-8.2	20.0
Nitrobenzene-d5	0.282	0.274		-2.8	20.0
2-Fluorobiphenyl	2.313	2.325		0.5	20.0
2,4,6-Tribromophenol	0.175	0.180		2.9	20.0
Terphenyl-d14	0.823	0.755		-8.3	20.0
1,4-Dioxane	0.383	0.377		-1.6	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.: Q2885
 Instrument ID: BNA_N Calibration Date/Time: 08/20/2025 21:47
 Lab File ID: BN037641.D Init. Calib. Date(s): 08/12/2025 08/12/2025
 EPA Sample No.: SSTDCCC0.4EC Init. Calib. Time(s): 16:26 20:05
 GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF0.4	MIN RRF	%D	MAX%D
2-Methylnaphthalene-d10	0.544	0.462		-15.1	50.0
Fluoranthene-d10	1.052	0.964		-8.4	50.0
2-Fluorophenol	0.907	1.118		23.3	50.0
Phenol-d6	1.091	2.134		95.6	50.0
Nitrobenzene-d5	0.282	0.380		34.8	50.0
2-Fluorobiphenyl	2.313	2.315		0.1	50.0
2,4,6-Tribromophenol	0.175	0.178		1.7	50.0
Terphenyl-d14	0.823	0.809		-1.7	50.0
1,4-Dioxane	0.383	0.350		-8.6	50.0

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>Q2885</u>
Instrument ID:	<u>BNA_N</u>	Calibration Date/Time:	<u>08/21/2025 09:51</u>
Lab File ID:	<u>BN037643.D</u>	Init. Calib. Date(s):	<u>08/12/2025 08/12/2025</u>
EPA Sample No.:	<u>SSTDCCC0.4</u>	Init. Calib. Time(s):	<u>16:26 20:05</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	0.544	0.487		-10.5	20.0
Fluoranthene-d10	1.052	0.955		-9.2	20.0
2-Fluorophenol	0.907	0.826		-8.9	20.0
Phenol-d6	1.091	1.009		-7.5	20.0
Nitrobenzene-d5	0.282	0.277		-1.8	20.0
2-Fluorobiphenyl	2.313	2.301		-0.5	20.0
2,4,6-Tribromophenol	0.175	0.178		1.7	20.0
Terphenyl-d14	0.823	0.790		-4.0	20.0
1,4-Dioxane	0.383	0.382		-0.3	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.: Q2885
 Instrument ID: BNA_N Calibration Date/Time: 08/21/2025 13:11
 Lab File ID: BN037646.D Init. Calib. Date(s): 08/12/2025 08/12/2025
 EPA Sample No.: SSTDCCC0.4EC Init. Calib. Time(s): 16:26 20:05
 GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF0.4	MIN RRF	%D	MAX%D
2-Methylnaphthalene-d10	0.544	0.490		-9.9	50.0
Fluoranthene-d10	1.052	0.948		-9.9	50.0
2-Fluorophenol	0.907	0.842		-7.2	50.0
Phenol-d6	1.091	0.978		-10.4	50.0
Nitrobenzene-d5	0.282	0.282		0.0	50.0
2-Fluorobiphenyl	2.313	2.202		-4.8	50.0
2,4,6-Tribromophenol	0.175	0.175		0.0	50.0
Terphenyl-d14	0.823	0.792		-3.8	50.0
1,4-Dioxane	0.383	0.390		1.8	50.0

All other compounds must meet a minimum RRF of 0.010.



SHIPPING DOCUMENTS

CHEMTECH CHAIN OF CUSTODY RECORD		284 Sheffield Street, Mountainside, NJ 07092 (908) 789-8900 Fax: (908) 78-8922 www.chemtech.net		Chemtech Project Number: Q2885 COC Number:	
CLIENT INFORMATION		PROJECT INFORMATION		BILLING INFORMATION	
COMPANY: Tetra Tech		PROJECT NAME: NWIRP Bethpage		BILL TO: PO#	
ADDRESS: 4433 Corporation Ln, Suite 300		PROJECT #: 112G08005-WE13 LOCATION: RW5B		ADDRESS:	
CITY: Virginia Beach STATE: VA ZIP: 23462		PROJECT MANAGER: Ernie Wu		CITY: STATE: ZIP:	
ATTENTION: Ernie Wu		E-MAIL: ernie.wu@tetratech.com		ATTENTION: PHONE:	
PHONE: 757-466-4901 FAX: 757-461-4148		PHONE: 757-466-4901 FAX: 757-461-4148			
DATA TURNAROUND INFORMATION		DATA DELIVERABLE INFORMATION		ANALYSIS	
FAX: 10 DAYS* HARD COPY: 10 DAYS* EDD: 10 DAYS* * TO BE APPROVED BY CHEMTECH STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS		☐ RESULTS ONLY ☐ USEPA CLP ☐ RESULTS + QC ☐ New York State ASP "B" ☐ New Jersey REDUCED ☐ New York State ASP "A" ☐ New Jersey CLP ☐ Other _____ ☐ EDD Format _____		1,4-Dioxane SW846 8270 SIM	
				PRESERVATIVES	
				COMMENTS	
CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE	SAMPLE COLLECTION	# of Bottles
			COMP GRAB	DATE TIME	
1.	RW5-SP100-20250814	GW		8/14/25 10:45	1
2.	RW5-SP201-20250814	GW		8/14/25 10:47	1
3.	RW5-SP303-20250814	GW		8/14/25 10:53	1
4.					
5.					
6.					
7.					
8.					
9.					
10.					

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE PROSESSION INCLUDING COURIER DELIVERY					
RELINQUISHED BY SAMPLER	DATE/TIME	RECEIVED BY	Conditions of bottles or coolers at receipt: ☐ Compliant ☐ Non Compliant ☐ Cooler Temp 21°C MeOH extraction requires an additional 4oz. Jar for percent solid Comments:		
1.	8/14/25 1500	1.			
RELINQUISHED BY	DATE/TIME	RECEIVED BY			
2. FedEx	10:45 8/15/25	2.			
RELINQUISHED BY	DATE/TIME	RECEIVED FOR LAB BY			
3.		3.			

SHIPPED VIA: CLIENT: ☐ Hand Delivered ☐ Overnight CHEMTECH: ☐ Picked Up ☐ Overnight	Shipment Complete ☐ YES ☐ NO
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WHITE - CHEMTECH COPY FOR RETURN TO CLIENT
YELLOW - CHEMTECH COPY
PINK - SAMPLER COPY

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255424 Rev 1
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	TX-C25-00189
Virginia	460312