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

LAB CHRONICLE

OrderID:	Q3692	**OrderDate:**	11/20/2025 10:01:00 AM
Client:	Tetra Tech NUS, Inc.	**Project:**	NWIRP Bethpage 112G08005-WE13
Contact:	Ernie Wu	**Location:**	A11

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3692-01	**RW5-SP100-20251118**	**Water**			**11/18/25**			**11/20/25**
			SVOC-SIMGroup1	8270-Modified		11/21/25	12/02/25	
Q3692-02	**RW5-SP201-20251118**	**Water**			**11/18/25**			**11/20/25**
			SVOC-SIMGroup1	8270-Modified		11/21/25	12/02/25	
Q3692-03	**RW5-SP303-20251118**	**Water**			**11/18/25**			**11/20/25**
			SVOC-SIMGroup1	8270-Modified		11/21/25	12/02/25	

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

Hit Summary Sheet
SW-846

SDG No.: Q3692

Client: Tetra Tech NUS, Inc.

Sample ID	Client ID		Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID :	**RW5-SP100-20251118**								
Q3692-01	RW5-SP100-20251118	WATER	1,4-Dioxane	4.900		0.07	0.2	0.2	ug/L
			Total Svoc :		**4.90**				
			Total Concentration:		**4.90**				

SAMPLE DATA

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	11/18/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	11/20/25
Client Sample ID:	RW5-SP100-20251118	SDG No.:	Q3692
Lab Sample ID:	Q3692-01	Matrix:	Water
Analytical Method:	SW8270ESIM Level: LOW	% Solid:	0
Sample Wt/Vol:	1000 mL Final Vol: 1000 uL	Test:	SVOC-SIMGroup1
Prep Method :	3510C Prep Date: 11/21/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS										
123-91-1	1,4-Dioxane	4.90		1	0.070	0.20	0.20	ug/L	12/02/25 02:55	PB170712
SURROGATES										
7297-45-2	2-Methylnaphthalene-d10	0.29			30 - 150		73%	SPK: 0.4		
93951-69-0	Fluoranthene-d10	0.44			30 - 150		109%	SPK: 0.4		
4165-60-0	Nitrobenzene-d5	0.35			55 - 111		86%	SPK: 0.4		
321-60-8	2-Fluorobiphenyl	0.37			53 - 106		92%	SPK: 0.4		
1718-51-0	Terphenyl-d14	0.43			58 - 132		108%	SPK: 0.4		
INTERNAL STANDARDS		**Area Count**								
3855-82-1	1,4-Dichlorobenzene-d4	8500								
1146-65-2	Naphthalene-d8	23800								
15067-26-2	Acenaphthene-d10	10800								
1517-22-2	Phenanthrene-d10	17200								
1719-03-5	Chrysene-d12	13100								
1520-96-3	Perylene-d12	13400								

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

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	11/18/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	11/20/25
Client Sample ID:	RW5-SP201-20251118	SDG No.:	Q3692
Lab Sample ID:	Q3692-02	Matrix:	Water
Analytical Method:	SW8270ESIM Level: LOW	% Solid:	0
Sample Wt/Vol:	960 mL Final Vol: 1000 uL	Test:	SVOC-SIMGroup1
Prep Method :	3510C Prep Date: 11/21/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS										
123-91-1	1,4-Dioxane	0.21	U	1	0.070	0.21	0.21	ug/L	12/02/25 03:32	PB170712
SURROGATES										
7297-45-2	2-Methylnaphthalene-d10	0.33			30 - 150		83%	SPK: 0.4		
93951-69-0	Fluoranthene-d10	0.43			30 - 150		106%	SPK: 0.4		
4165-60-0	Nitrobenzene-d5	0.38			55 - 111		95%	SPK: 0.4		
321-60-8	2-Fluorobiphenyl	0.44	*		53 - 106		109%	SPK: 0.4		
1718-51-0	Terphenyl-d14	0.45			58 - 132		113%	SPK: 0.4		
INTERNAL STANDARDS		**Area Count**								
3855-82-1	1,4-Dichlorobenzene-d4	8790								
1146-65-2	Naphthalene-d8	25500								
15067-26-2	Acenaphthene-d10	11500								
1517-22-2	Phenanthrene-d10	17800								
1719-03-5	Chrysene-d12	12600								
1520-96-3	Perylene-d12	12900								

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

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	11/18/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	11/20/25
Client Sample ID:	RW5-SP303-20251118	SDG No.:	Q3692
Lab Sample ID:	Q3692-03	Matrix:	Water
Analytical Method:	SW8270ESIM Level: LOW	% Solid:	0
Sample Wt/Vol:	1000 mL Final Vol: 1000 uL	Test:	SVOC-SIMGroup1
Prep Method :	3510C Prep Date: 11/21/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS										
123-91-1	1,4-Dioxane	0.20	U	1	0.070	0.20	0.20	ug/L	12/02/25 04:08	PB170712
SURROGATES										
7297-45-2	2-Methylnaphthalene-d10	0.31			30 - 150		76%	SPK: 0.4		
93951-69-0	Fluoranthene-d10	0.45			30 - 150		112%	SPK: 0.4		
4165-60-0	Nitrobenzene-d5	0.35			55 - 111		87%	SPK: 0.4		
321-60-8	2-Fluorobiphenyl	0.39			53 - 106		97%	SPK: 0.4		
1718-51-0	Terphenyl-d14	0.40			58 - 132		100%	SPK: 0.4		
INTERNAL STANDARDS		**Area Count**								
3855-82-1	1,4-Dichlorobenzene-d4	8470								
1146-65-2	Naphthalene-d8	24500								
15067-26-2	Acenaphthene-d10	11100								
1517-22-2	Phenanthrene-d10	17100								
1719-03-5	Chrysene-d12	13900								
1520-96-3	Perylene-d12	14700								

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

QC SUMMARY

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

Surrogate Summary

SW-846

SDG No.: Q3692

Client: Tetra Tech NUS, Inc.

Analytical Method: 8270-Modified

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
PB170712BL	PB170712BL	2-Methylnaphthalene-d10	0.4	0.32	79		30	150
		Fluoranthene-d10	0.4	0.36	91		30	150
		Nitrobenzene-d5	0.4	0.36	90		55	111
		2-Fluorobiphenyl	0.4	0.39	98		53	106
		Terphenyl-d14	0.4	0.35	88		58	132
PB170712BS	PB170712BS	2-Methylnaphthalene-d10	0.4	0.41	101		30	150
		Fluoranthene-d10	0.4	0.36	90		30	150
		Nitrobenzene-d5	0.4	0.40	99		55	111
		2-Fluorobiphenyl	0.4	0.45	113	*	53	106
		Terphenyl-d14	0.4	0.36	91		58	132
PB170712BSD	PB170712BSD	2-Methylnaphthalene-d10	0.4	0.35	86		30	150
		Fluoranthene-d10	0.4	0.39	97		30	150
		Nitrobenzene-d5	0.4	0.40	100		55	111
		2-Fluorobiphenyl	0.4	0.43	107	*	53	106
		Terphenyl-d14	0.4	0.32	79		58	132
Q3692-01	RW5-SP100-20251118	2-Methylnaphthalene-d10	0.4	0.29	73		30	150
		Fluoranthene-d10	0.4	0.44	109		30	150
		Nitrobenzene-d5	0.4	0.35	86		55	111
		2-Fluorobiphenyl	0.4	0.37	92		53	106
		Terphenyl-d14	0.4	0.43	108		58	132
Q3692-02	RW5-SP201-20251118	2-Methylnaphthalene-d10	0.4	0.33	83		30	150
		Fluoranthene-d10	0.4	0.43	106		30	150
		Nitrobenzene-d5	0.4	0.38	95		55	111
		2-Fluorobiphenyl	0.4	0.44	109	*	53	106
		Terphenyl-d14	0.4	0.45	113		58	132
Q3692-03	RW5-SP303-20251118	2-Methylnaphthalene-d10	0.4	0.31	76		30	150
		Fluoranthene-d10	0.4	0.45	112		30	150
		Nitrobenzene-d5	0.4	0.35	87		55	111
		2-Fluorobiphenyl	0.4	0.39	97		53	106
		Terphenyl-d14	0.4	0.40	100		58	132

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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3692 **Analytical Method:** 8270-Modified

Client: Tetra Tech NUS, Inc. **DataFile:** BN038232.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB170712BS	1,4-Dioxane	0.4	0.33	ug/L	83				70	130	

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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3692 **Analytical Method:** 8270-Modified

Client: Tetra Tech NUS, Inc. **DataFile:** BN038238.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB170712BSD	1,4-Dioxane	0.4	0.30	ug/L	75	10			70	130	20

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

4B

SEMIVOLATILE METHOD BLANK SUMMARY

Client ID: PB170712BL

Lab Name: Alliance | Contract: TETR06

Lab Code: ACE | SDG NO.: Q3692

Lab File ID: BN038231.D | Lab Sample ID: PB170712BL

Instrument ID: BNA_N | Date Extracted: 11/21/2025

Matrix: (soil/water) Water | Date Analyzed: 12/01/2025

Level: (low/med) LOW | Time Analyzed: 18:28

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB170712BS	PB170712BS	BN038232.D	12/01/2025
PB170712BSD	PB170712BSD	BN038238.D	12/01/2025
RW5-SP100-20251118	Q3692-01	BN038245.D	12/02/2025
RW5-SP201-20251118	Q3692-02	BN038246.D	12/02/2025
RW5-SP303-20251118	Q3692-03	BN038247.D	12/02/2025

COMMENTS:

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

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance | Contract: TETR06

Lab Code: ACE | SDG NO.: Q3692

Lab File ID: BN038211.D | DFTPP Injection Date: 11/26/2025

Instrument ID: BNA_N | DFTPP Injection Time: 19:55

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.6 (1.8) 1
69	Mass 69 relative abundance	100
70	Less than 2.0% of mass 69	0.2 (0.5) 1
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.6
365	Greater than 1% of mass 198	3.6
441	Present, but less than mass 443	78.5
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	18.4 (20.3) 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	BN038212.D	11/26/2025	20:35
SSTDICC0.2	SSTDICC0.2	BN038213.D	11/26/2025	21:12
SSTDICCC0.4	SSTDICCC0.4	BN038214.D	11/26/2025	21:48
SSTDICC0.8	SSTDICC0.8	BN038215.D	11/26/2025	22:25
SSTDICC1.6	SSTDICC1.6	BN038216.D	11/26/2025	23:01
SSTDICC3.2	SSTDICC3.2	BN038217.D	11/26/2025	23:37
SSTDICC5.0	SSTDICC5.0	BN038218.D	11/27/2025	00:13

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

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance Contract: TETR06

Lab Code: ACE SDG NO.: Q3692

Lab File ID: BN038229.D DFTPP Injection Date: 12/01/2025

Instrument ID: BNA_N DFTPP Injection Time: 17:11

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.7 (1.8) 1
69	Mass 69 relative abundance	100
70	Less than 2.0% of mass 69	0.2 (0.5) 1
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.7
365	Greater than 1% of mass 198	3.4
441	Present, but less than mass 443	87.9
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	16.5 (19.9) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC0.4	SSTDCCC0.4	BN038230.D	12/01/2025	17:51
PB170712BL	PB170712BL	BN038231.D	12/01/2025	18:28
PB170712BS	PB170712BS	BN038232.D	12/01/2025	19:04
PB170712BSD	PB170712BSD	BN038238.D	12/01/2025	22:42
RW5-SP100-20251118	Q3692-01	BN038245.D	12/02/2025	02:55
RW5-SP201-20251118	Q3692-02	BN038246.D	12/02/2025	03:32
RW5-SP303-20251118	Q3692-03	BN038247.D	12/02/2025	04:08
SSTDCCC0.4EC	SSTDCCC0.4	BN038248.D	12/02/2025	04:44

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

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE SDG NO.: Q3692

Client ID : SSTDCCC0.4 Date Analyzed: 12/01/2025

Lab File ID: BN038230.D Time Analyzed: 17:51

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	8054	7.768	24560	10.56	13292	14.43
	UPPER LIMIT	16108	8.268	49120	11.062	26584	14.93
	LOWER LIMIT	4027	7.268	12280	10.062	6646	13.93
	EPA SAMPLE NO.						
01	PB170712BS	7901	7.77	22379	10.56	10358	14.43
02	PB170712BL	8256	7.77	22952	10.57	10779	14.43
03	PB170712BSD	9081	7.77	25072	10.56	10824	14.43
04	RW5-SP100-20251118	8503	7.77	23841	10.56	10821	14.43
05	RW5-SP201-20251118	8792	7.77	25505	10.56	11536	14.43
06	RW5-SP303-20251118	8471	7.77	24467	10.56	11133	14.43

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

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

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE SDG NO.: Q3692

Client ID: SSTDCCC0.4 Date Analyzed: 12/01/2025

Lab File ID: BN038230.D Time Analyzed: 17:51

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	21033	17.173	11703	21.366	11756	23.674
	UPPER LIMIT	42066	17.673	23406	21.866	23512	24.174
	LOWER LIMIT	10516.5	16.673	5851.5	20.866	5878	23.174
	EPA SAMPLE NO.						
01	PB170712BS	14739	17.19	10142	21.37	10375	23.67
02	PB170712BL	14873	17.19	10479	21.38	10853	23.68
03	PB170712BSD	16101	17.17	14003	21.37	15858	23.67
04	RW5-SP100-20251118	17177	17.17	13060	21.37	13401	23.67
05	RW5-SP201-20251118	17772	17.17	12595	21.37	12949	23.68
06	RW5-SP303-20251118	17137	17.17	13919	21.37	14663	23.67

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

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.			Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13			Date Received:	
Client Sample ID:	PB170712BL			SDG No.:	Q3692
Lab Sample ID:	PB170712BL			Matrix:	Water
Analytical Method:	SW8270ESIM	Level:	LOW	% Solid:	0
Sample Wt/Vol:	1000 mL	Final Vol:	1000 uL	Test:	SVOC-SIMGroup1
Prep Method :	3510C	Prep Date:	11/21/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS										
123-91-1	1,4-Dioxane	0.20	U	1	0.070	0.20	0.20	ug/L	12/01/25 18:28	PB170712
SURROGATES										
7297-45-2	2-Methylnaphthalene-d10	0.32			30 - 150		79%	SPK: 0.4		
93951-69-0	Fluoranthene-d10	0.36			30 - 150		91%	SPK: 0.4		
4165-60-0	Nitrobenzene-d5	0.36			55 - 111		90%	SPK: 0.4		
321-60-8	2-Fluorobiphenyl	0.39			53 - 106		98%	SPK: 0.4		
1718-51-0	Terphenyl-d14	0.35			58 - 132		88%	SPK: 0.4		
INTERNAL STANDARDS		**Area Count**								
3855-82-1	1,4-Dichlorobenzene-d4	8260								
1146-65-2	Naphthalene-d8	23000								
15067-26-2	Acenaphthene-d10	10800								
1517-22-2	Phenanthrene-d10	14900								
1719-03-5	Chrysene-d12	10500								
1520-96-3	Perylene-d12	10900								

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

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.			Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13			Date Received:	
Client Sample ID:	PB170712BS			SDG No.:	Q3692
Lab Sample ID:	PB170712BS			Matrix:	Water
Analytical Method:	SW8270ESIM	Level:	LOW	% Solid:	0
Sample Wt/Vol:	1000 mL	Final Vol:	1000 uL	Test:	SVOC-SIMGroup1
Prep Method :	3510C	Prep Date:	11/21/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS										
123-91-1	1,4-Dioxane	0.33		1	0.070	0.20	0.20	ug/L	12/01/25 19:04	PB170712
SURROGATES										
7297-45-2	2-Methylnaphthalene-d10	0.41			30 - 150		101%	SPK: 0.4		
93951-69-0	Fluoranthene-d10	0.36			30 - 150		90%	SPK: 0.4		
4165-60-0	Nitrobenzene-d5	0.40			55 - 111		99%	SPK: 0.4		
321-60-8	2-Fluorobiphenyl	0.45	*		53 - 106		113%	SPK: 0.4		
1718-51-0	Terphenyl-d14	0.36			58 - 132		91%	SPK: 0.4		
INTERNAL STANDARDS		**Area Count**								
3855-82-1	1,4-Dichlorobenzene-d4	7900								
1146-65-2	Naphthalene-d8	22400								
15067-26-2	Acenaphthene-d10	10400								
1517-22-2	Phenanthrene-d10	14700								
1719-03-5	Chrysene-d12	10100								
1520-96-3	Perylene-d12	10400								

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

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.			Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13			Date Received:	
Client Sample ID:	PB170712BSD			SDG No.:	Q3692
Lab Sample ID:	PB170712BSD			Matrix:	Water
Analytical Method:	SW8270ESIM	Level:	LOW	% Solid:	0
Sample Wt/Vol:	1000 mL	Final Vol:	1000 uL	Test:	SVOC-SIMGroup1
Prep Method :	3510C	Prep Date:	11/21/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS										
123-91-1	1,4-Dioxane	0.30		1	0.070	0.20	0.20	ug/L	12/01/25 22:42	PB170712
SURROGATES										
7297-45-2	2-Methylnaphthalene-d10	0.35			30 - 150		86%	SPK: 0.4		
93951-69-0	Fluoranthene-d10	0.39			30 - 150		97%	SPK: 0.4		
4165-60-0	Nitrobenzene-d5	0.40			55 - 111		100%	SPK: 0.4		
321-60-8	2-Fluorobiphenyl	0.43	*		53 - 106		107%	SPK: 0.4		
1718-51-0	Terphenyl-d14	0.32			58 - 132		79%	SPK: 0.4		
INTERNAL STANDARDS		**Area Count**								
3855-82-1	1,4-Dichlorobenzene-d4	9080								
1146-65-2	Naphthalene-d8	25100								
15067-26-2	Acenaphthene-d10	10800								
1517-22-2	Phenanthrene-d10	16100								
1719-03-5	Chrysene-d12	14000								
1520-96-3	Perylene-d12	15900								

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

Response Factor Report BNA_N

Method Path : Z:\svoasrv\HPCHEM1\BNA_N\Methods\
Method File : 8270-SIM-BN112725.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Fri Nov 28 21:04:10 2025
Response Via : Initial Calibration

Calibration Files
0.1 =BN038212.D 0.2 =BN038213.D 0.4 =BN038214.D 0.8 =BN038215.D 1.6 =BN038216.D 3.2 =BN038217.D 5 =BN038218.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	0.484	0.448	0.396	0.423	0.399	0.378	0.421		9.29
3)		n-Nitrosodimet...	0.488	0.543	0.513	0.536	0.528	0.510	0.520		3.87
4)	S	2-Fluorophenol	1.008	0.930	0.992	0.881	0.925	0.915	0.892	0.935	5.14
5)	S	Phenol-d6	1.180	1.103	1.215	1.099	1.187	1.203	1.191	1.168	4.05
6)		bis(2-Chloroet...	1.066	1.118	1.188	1.086	1.152	1.130	1.088	1.118	3.79
7)	I	Naphthalene-d8	----------ISTD----------								
8)	S	Nitrobenzene-d5	0.370	0.314	0.310	0.304	0.321	0.309	0.311	0.320	7.07
9)		Naphthalene	1.152	1.102	1.153	1.075	1.118	1.093	1.082	1.111	2.87
10)		Hexachlorobuta...	0.203	0.192	0.200	0.182	0.188	0.180	0.177	0.189	5.29
11)	SURR	2-Methylnaphth...	0.535	0.548	0.588	0.558	0.584	0.584	0.579	0.568	3.70
12)		2-Methylnaphth...	0.696	0.697	0.760	0.718	0.754	0.750	0.741	0.731	3.68
13)	I	Acenaphthene-d10	----------ISTD----------								
14)	S	2,4,6-Tribromo...	0.106	0.100	0.123	0.122	0.139	0.165		0.126	18.76
15)	S	2-Fluorobiphenyl	1.620	1.549	1.590	1.546	1.578	1.474	1.459	1.545	3.85
16)		Acenaphthylene	1.756	1.685	1.801	1.702	1.830	1.866	1.880	1.789	4.31
17)		Acenaphthene	1.244	1.208	1.292	1.198	1.263	1.262	1.261	1.247	2.66
18)		Fluorene	1.544	1.442	1.650	1.571	1.680	1.708	1.703	1.614	6.13
19)	I	Phenanthrene-d10	----------ISTD----------								
20)		4,6-Dinitro-2-...	0.021	0.026	0.031	0.044	0.059	0.071	0.042		46.82
21)		4-Bromophenyl-...	0.268	0.268	0.285	0.268	0.287	0.284	0.280	0.277	3.19
22)		Hexachlorobenzene	0.377	0.366	0.358	0.320	0.337	0.319	0.307	0.341	7.87
23)		Atrazine	0.165	0.157	0.175	0.164	0.181	0.198	0.200	0.177	9.46
24)		Pentachlorophenol	0.090	0.084	0.080	0.096	0.117		0.093		15.54
25)		Phenanthrene	1.247	1.207	1.311	1.202	1.270	1.293	1.259	1.256	3.24
26)		Anthracene	0.996	0.998	1.068	1.016	1.100	1.156	1.166	1.071	6.73
27)	SURR	Fluoranthene-d10	0.853	0.845	0.890	0.817	0.864	0.906	0.900	0.868	3.76
28)		Fluoranthene	1.174	1.147	1.227	1.146	1.230	1.281	1.266	1.210	4.55
29)	I	Chrysene-d12	----------ISTD----------								
30)		Pyrene	2.066	1.804	2.087	1.972	1.973	2.077	2.006	1.998	4.91
31)	S	Terphenyl-d14	0.903	0.847	0.962	0.906	0.927	0.972	0.949	0.924	4.65
32)		Benzo(a)anthra...	1.321	1.271	1.368	1.320	1.373	1.421	1.409	1.355	3.94
33)		Chrysene	1.742	1.639	1.661	1.517	1.597	1.541	1.494	1.599	5.53
34)		Bis(2-ethylhex...	0.780	0.801	0.700	0.682	0.740	0.746	0.742		6.12
35)	I	Perylene-d12	----------ISTD----------								

Method Path : Z:\svoasrv\HPCHEM1\BNA_N\Methods\
Method File : 8270-SIM-BN112725.M

36)		Indeno(1,2,3-c...	1.747	1.715	1.875	1.736	1.962	1.963	1.960	1.851	6.24
37)		Benzo(b)fluora...	1.563	1.555	1.703	1.586	1.675	1.721	1.690	1.642	4.32
38)		Benzo(k)fluora...	1.627	1.639	1.758	1.658	1.749	1.776	1.742	1.707	3.69
39)	C	Benzo(a)pyrene	1.414	1.284	1.386	1.316	1.403	1.414	1.417	1.376	3.93
40)		Dibenzo(a,h)an...	1.264	1.234	1.379	1.349	1.512	1.541	1.531	1.401	9.14
41)		Benzo(g,h,i)pe...	1.722	1.586	1.721	1.617	1.720	1.687	1.670	1.674	3.25

(#) = Out of Range

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: TETR06

Lab Code: ACE SDG No.: Q3692

Instrument ID: BNA_N Calibration Date/Time: 12/01/2025 17:51

Lab File ID: BN038230.D Init. Calib. Date(s): 11/26/2025 11/27/2025

EPA Sample No.: SSTDCCC0.4 Init. Calib. Time(s): 20:35 00:13

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

COMPOUND	RRF	RRF0.4	MIN RRF	%D	MAX%D
2-Methylnaphthalene-d10	0.568	0.591		4.0	20.0
Fluoranthene-d10	0.868	0.851		-2.0	20.0
2-Fluorophenol	0.935	0.944		1.0	20.0
Phenol-d6	1.168	1.204		3.1	20.0
Nitrobenzene-d5	0.320	0.317		-0.9	20.0
2-Fluorobiphenyl	1.545	1.656		7.2	20.0
2,4,6-Tribromophenol	0.126	0.139		10.3	20.0
Terphenyl-d14	0.924	0.961		4.0	20.0
1,4-Dioxane	0.421	0.451		7.1	20.0

All other compounds must meet a minimum RRF of 0.010.

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: TETR06

Lab Code: ACE SDG No.: Q3692

Instrument ID: BNA_N Calibration Date/Time: 12/02/2025 04:44

Lab File ID: BN038248.D Init. Calib. Date(s): 11/26/2025 11/27/2025

EPA Sample No.: SSTDCCC0.4EC Init. Calib. Time(s): 20:35 00:13

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

COMPOUND	RRF	RRF0.4	MIN RRF	%D	MAX%D
2-Methylnaphthalene-d10	0.568	0.562		-1.1	50.0
Fluoranthene-d10	0.868	0.924		6.5	50.0
2-Fluorophenol	0.935	1.019		9.0	50.0
Phenol-d6	1.168	1.291		10.5	50.0
Nitrobenzene-d5	0.320	0.323		0.9	50.0
2-Fluorobiphenyl	1.545	1.663		7.6	50.0
2,4,6-Tribromophenol	0.126	0.130		3.2	50.0
Terphenyl-d14	0.924	0.862		-6.7	50.0
1,4-Dioxane	0.421	0.416		-1.2	50.0

All other compounds must meet a minimum RRF of 0.010.