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

LAB CHRONICLE

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

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

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Hit Summary Sheet
SW-846

SDG No.: Q3527

Client: Tetra Tech NUS, Inc.

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

SAMPLE DATA

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Report of Analysis

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

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

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

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

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

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LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
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M = MS/MSD acceptance criteria did not meet requirements

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B = Analyte Found in Associated Method Blank
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D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

QC SUMMARY

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Surrogate Summary

SW-846

SDG No.: Q3527

Client: Tetra Tech NUS, Inc.

Analytical Method: 8270-Modified

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

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3527 **Analytical Method:** 8270-Modified

Client: Tetra Tech NUS, Inc. **DataFile:** BN038132.D

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

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3527 **Analytical Method:** 8270-Modified

Client: Tetra Tech NUS, Inc. **DataFile:** BN038133.D

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

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

Client ID: PB170381BL

Lab Name: Alliance | Contract: TETR06

Lab Code: ACE | SDG NO.: Q3527

Lab File ID: BN038131.D | Lab Sample ID: PB170381BL

Instrument ID: BNA_N | Date Extracted: 11/03/2025

Matrix: (soil/water) Water | Date Analyzed: 11/04/2025

Level: (low/med) LOW | Time Analyzed: 11:43

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

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

COMMENTS:

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance | Contract: TETR06

Lab Code: ACE | SDG NO.: Q3527

Lab File ID: BN038110.D | DFTPP Injection Date: 10/28/2025

Instrument ID: BNA_N | DFTPP Injection Time: 12:05

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

1-Value is % mass 69

2-Value is % mass 442

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

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

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance | Contract: TETR06

Lab Code: ACE | SDG NO.: Q3527

Lab File ID: BN038129.D | DFTPP Injection Date: 11/04/2025

Instrument ID: BNA_N | DFTPP Injection Time: 10:00

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

1-Value is % mass 69

2-Value is % mass 442

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

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

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE SDG NO.: Q3527

Client ID : SSTDCCC0.4 Date Analyzed: 11/04/2025

Lab File ID: BN038130.D Time Analyzed: 10:40

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

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

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

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

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

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE SDG NO.: Q3527

Client ID: SSTDCCC0.4 Date Analyzed: 11/04/2025

Lab File ID: BN038130.D Time Analyzed: 10:40

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

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

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

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

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

QC SAMPLE DATA

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Report of Analysis

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

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

U = Not Detected
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

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Report of Analysis

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

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

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
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D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Tetra Tech NUS, Inc.			Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13			Date Received:	
Client Sample ID:	PB170381BSD			SDG No.:	Q3527
Lab Sample ID:	PB170381BSD			Matrix:	Water
Analytical Method:	SW8270ESIM	Level:	LOW	% Solid:	0
Sample Wt/Vol:	1000 mL	Final Vol:	1000 uL	Test:	SVOC-SIMGroup1
Prep Method :	3510C	Prep Date:	11/03/25		

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

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-BN102825.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Oct 29 13:09:46 2025
Response Via : Initial Calibration

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

		Compound	0.1	0.2	0.4	0.8	1.6	3.2	5	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------	ISTD	----------						
2)		1,4-Dioxane		0.446	0.424	0.405	0.416	0.400	0.389	0.413	4.87
3)		n-Nitrosodimet...		0.528	0.537	0.527	0.547	0.534	0.518	0.532	1.85
4)	S	2-Fluorophenol	1.066	0.973	0.954	0.907	0.918	0.895	0.882	0.942	6.73
5)	S	Phenol-d6	1.266	1.134	1.134	1.097	1.131	1.135	1.137	1.148	4.71
6)		bis(2-Chloroet...	1.164	1.140	1.126	1.122	1.148	1.114	1.079	1.128	2.42
7)	I	Naphthalene-d8	----------	ISTD	----------						
8)	S	Nitrobenzene-d5	0.403	0.312	0.313	0.301	0.316	0.307	0.307	0.323	11.11
9)		Naphthalene	1.139	1.097	1.081	1.080	1.125	1.107	1.084	1.102	2.08
10)		Hexachlorobuta...	0.198	0.187	0.187	0.182	0.188	0.183	0.177	0.186	3.49
11)	SURR	2-Methylnaphth...	0.581	0.569	0.551	0.549	0.586	0.584	0.579	0.571	2.69
12)		2-Methylnaphth...	0.765	0.712	0.709	0.713	0.757	0.749	0.738	0.735	3.22
13)	I	Acenaphthene-d10	----------	ISTD	----------						
14)	S	2,4,6-Tribromo...	0.156	0.151	0.149	0.152	0.171	0.182	0.194	0.165	10.70
15)	S	2-Fluorobiphenyl	1.794	1.649	1.577	1.570	1.615	1.514	1.495	1.602	6.24
16)		Acenaphthylene	1.768	1.728	1.711	1.764	1.891	1.912	1.908	1.811	4.88
17)		Acenaphthene	1.260	1.242	1.211	1.234	1.318	1.310	1.297	1.267	3.25
18)		Fluorene	1.549	1.618	1.596	1.635	1.768	1.731	1.729	1.661	4.93
19)	I	Phenanthrene-d10	----------	ISTD	----------						
20)		4,6-Dinitro-2-...		0.041	0.045	0.051	0.064	0.073		0.055	24.55
21)		4-Bromophenyl-...	0.260	0.251	0.250	0.256	0.274	0.271	0.275	0.262	4.06
22)		Hexachlorobenzene	0.304	0.292	0.298	0.293	0.306	0.297	0.298	0.298	1.76
23)		Atrazine	0.190	0.176	0.176	0.179	0.203	0.209	0.211	0.192	8.19
24)		Pentachlorophenol		0.112	0.108	0.113	0.132	0.146	0.159	0.128	16.16
25)		Phenanthrene	1.281	1.231	1.224	1.236	1.327	1.293	1.298	1.270	3.12
26)		Anthracene	1.076	1.029	1.047	1.057	1.182	1.183	1.202	1.111	6.72
27)	SURR	Fluoranthene-d10	1.040	0.969	0.957	0.981	1.050	1.055	1.009	1.009	4.01
28)		Fluoranthene	1.448	1.349	1.345	1.394	1.492	1.491	1.414	1.419	4.30
29)	I	Chrysene-d12	----------	ISTD	----------						
30)		Pyrene	1.834	1.853	1.842	1.664	1.835	1.766	1.846	1.806	3.82
31)	S	Terphenyl-d14	0.878	0.881	0.872	0.807	0.892	0.862	0.891	0.869	3.37
32)		Benzo(a)anthra...	1.491	1.379	1.358	1.363	1.469	1.474	1.456	1.427	4.06
33)		Chrysene	1.623	1.586	1.543	1.523	1.558	1.518	1.490	1.549	2.91
34)		Bis(2-ethylhex...		0.910	0.722	0.700	0.721	0.754	0.703	0.752	10.60
35)	I	Perylene-d12	----------	ISTD	----------						

Method Path : Z:\svoasrv\HPCHEM1\BNA_N\Methods\
Method File : 8270-SIM-BN102825.M

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

(#) = Out of Range

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Fax : 908 789 8922

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: TETR06

Lab Code: ACE SDG No.: Q3527

Instrument ID: BNA_N Calibration Date/Time: 11/04/2025 10:40

Lab File ID: BN038130.D Init. Calib. Date(s): 10/28/2025 10/28/2025

EPA Sample No.: SSTDCCC0.4 Init. Calib. Time(s): 13:00 16:38

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

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

All other compounds must meet a minimum RRF of 0.010.

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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: TETR06

Lab Code: ACE SDG No.: Q3527

Instrument ID: BNA_N Calibration Date/Time: 11/04/2025 20:12

Lab File ID: BN038145.D Init. Calib. Date(s): 10/28/2025 10/28/2025

EPA Sample No.: SSTDCCC0.4EC Init. Calib. Time(s): 13:00 16:38

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

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

All other compounds must meet a minimum RRF of 0.010.