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

LAB CHRONICLE

OrderID:	Q2162	**OrderDate:**	5/30/2025 11:50:00 AM
Client:	Tetra Tech NUS, Inc.	**Project:**	NWIRP Bethpage 112G08005-WE13
Contact:	Ernie Wu	**Location:**	L31,VOA Ref. #2 Soil,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2162-03	**BP-VPB-182-GW-580-582**	**Water**			**05/27/25**			**05/29/25**
			SVOC-SIMGroup1	8270-Modified		06/02/25	06/03/25	
Q2162-07	**BP-VPB-182-GW-620-622**	**Water**			**05/28/25**			**05/29/25**
			SVOC-SIMGroup1	8270-Modified		06/02/25	06/03/25	
Q2162-09	**BP-VPB-182-DUP-20250528**	**Water**			**05/28/25**			**05/29/25**
			SVOC-SIMGroup1	8270-Modified		06/02/25	06/03/25	
Q2162-10	**BP-VPB-182-EB-20250529**	**Water**			**05/29/25**			**05/29/25**
			SVOC-SIMGroup1	8270-Modified		06/02/25	06/03/25	

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Hit Summary Sheet
SW-846

SDG No.: Q2162

Client: Tetra Tech NUS, Inc.

Sample ID	Client ID	Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID :	**BP-VPB-182-EB-20250529**							
Q2162-10	BP-VPB-182-EB-202505 WATER	1,4-Dioxane	0.290		0.07	0.22	0.22	ug/L
		Total Svoc :			**0.29**			
		Total Concentration:			**0.29**			

SAMPLE DATA

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Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	05/27/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	05/29/25
Client Sample ID:	BP-VPB-182-GW-580-582	SDG No.:	Q2162
Lab Sample ID:	Q2162-03	Matrix:	Water
Analytical Method:	SW8270ESIM	% Solid:	0
Sample Wt/Vol:	100 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
BN037158.D	1	06/02/25 08:55	06/03/25 22:01	PB168238

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	2.00	U	0.66	2.00	2.00	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.29		30 - 150		72%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.087	*	30 - 150		22%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.22		55 - 111		56%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.18	*	53 - 106		44%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.12	*	58 - 132		29%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	2100	7.589				
1146-65-2	Naphthalene-d8	5800	10.372				
15067-26-2	Acenaphthene-d10	4260	14.235				
1517-22-2	Phenanthrene-d10	7770	16.984				
1719-03-5	Chrysene-d12	5560	21.18				
1520-96-3	Perylene-d12	5160	23.371				

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:	05/28/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	05/29/25
Client Sample ID:	BP-VPB-182-GW-620-622	SDG No.:	Q2162
Lab Sample ID:	Q2162-07	Matrix:	Water
Analytical Method:	SW8270ESIM	% Solid:	0
Sample Wt/Vol:	550 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
BN037159.D	1	06/02/25 08:55	06/03/25 22:37	PB168238

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.36	U	0.12	0.36	0.36	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.33		30 - 150		83%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.33		30 - 150		81%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.31		55 - 111		77%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.30		53 - 106		76%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.37		58 - 132		94%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	3160	7.589				
1146-65-2	Naphthalene-d8	8760	10.372				
15067-26-2	Acenaphthene-d10	5210	14.234				
1517-22-2	Phenanthrene-d10	10100	16.984				
1719-03-5	Chrysene-d12	7220	21.18				
1520-96-3	Perylene-d12	6120	23.371				

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:	05/28/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	05/29/25
Client Sample ID:	BP-VPB-182-DUP-20250528	SDG No.:	Q2162
Lab Sample ID:	Q2162-09	Matrix:	Water
Analytical Method:	SW8270ESIM	% Solid:	0
Sample Wt/Vol:	500 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
BN037160.D	1	06/02/25 08:55	06/03/25 23:13	PB168238

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.40	U	0.13	0.40	0.40	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.32		30 - 150		79%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.34		30 - 150		85%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.32		55 - 111		80%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.32		53 - 106		80%	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	3160	7.589				
1146-65-2	Naphthalene-d8	8040	10.372				
15067-26-2	Acenaphthene-d10	4210	14.235				
1517-22-2	Phenanthrene-d10	7660	16.984				
1719-03-5	Chrysene-d12	5730	21.18				
1520-96-3	Perylene-d12	5430	23.371				

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

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	05/29/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	05/29/25
Client Sample ID:	BP-VPB-182-EB-20250529	SDG No.:	Q2162
Lab Sample ID:	Q2162-10	Matrix:	Water
Analytical Method:	SW8270ESIM	% Solid:	0
Sample Wt/Vol:	890 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
BN037161.D	1	06/02/25 08:55	06/03/25 23:49	PB168238

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.29		0.070	0.22	0.22	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.30		30 - 150		74%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.32		30 - 150		79%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.29		55 - 111		72%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.30		53 - 106		75%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.49		58 - 132		122%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	2850	7.589				
1146-65-2	Naphthalene-d8	7380	10.372				
15067-26-2	Acenaphthene-d10	3980	14.235				
1517-22-2	Phenanthrene-d10	6890	16.984				
1719-03-5	Chrysene-d12	4650	21.18				
1520-96-3	Perylene-d12	4310	23.371				

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

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Surrogate Summary

SW-846

SDG No.: Q2162

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
PB168238BL	PB168238BL	2-Methylnaphthalene-d10	0.4	0.34	84		30	150
		Fluoranthene-d10	0.4	0.34	84		30	150
		Nitrobenzene-d5	0.4	0.34	85		55	111
		2-Fluorobiphenyl	0.4	0.36	91		53	106
		Terphenyl-d14	0.4	0.37	93		58	132
PB168238BS	PB168238BS	2-Methylnaphthalene-d10	0.4	0.38	96		30	150
		Fluoranthene-d10	0.4	0.30	75		30	150
		Nitrobenzene-d5	0.4	0.36	90		55	111
		2-Fluorobiphenyl	0.4	0.36	90		53	106
		Terphenyl-d14	0.4	0.37	93		58	132
PB168238BSD	PB168238BSD	2-Methylnaphthalene-d10	0.4	0.38	96		30	150
		Fluoranthene-d10	0.4	0.30	74		30	150
		Nitrobenzene-d5	0.4	0.36	90		55	111
		2-Fluorobiphenyl	0.4	0.37	91		53	106
		Terphenyl-d14	0.4	0.36	90		58	132
Q2162-03	BP-VPB-182-GW-580-582	2-Methylnaphthalene-d10	0.4	0.29	72		30	150
		Fluoranthene-d10	0.4	0.087	22	*	30	150
		Nitrobenzene-d5	0.4	0.22	56		55	111
		2-Fluorobiphenyl	0.4	0.18	44	*	53	106
		Terphenyl-d14	0.4	0.12	29	*	58	132
Q2162-07	BP-VPB-182-GW-620-622	2-Methylnaphthalene-d10	0.4	0.33	83		30	150
		Fluoranthene-d10	0.4	0.33	81		30	150
		Nitrobenzene-d5	0.4	0.31	77		55	111
		2-Fluorobiphenyl	0.4	0.30	76		53	106
		Terphenyl-d14	0.4	0.37	94		58	132
Q2162-09	BP-VPB-182-DUP-20250528	2-Methylnaphthalene-d10	0.4	0.32	79		30	150
		Fluoranthene-d10	0.4	0.34	85		30	150
		Nitrobenzene-d5	0.4	0.32	80		55	111
		2-Fluorobiphenyl	0.4	0.32	80		53	106
		Terphenyl-d14	0.4	0.36	90		58	132
Q2162-10	BP-VPB-182-EB-20250529	2-Methylnaphthalene-d10	0.4	0.30	74		30	150
		Fluoranthene-d10	0.4	0.32	79		30	150
		Nitrobenzene-d5	0.4	0.29	72		55	111
		2-Fluorobiphenyl	0.4	0.30	75		53	106
		Terphenyl-d14	0.4	0.49	122		58	132

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2162

Client: Tetra Tech NUS, Inc.

Analytical Method: 8270-Modified **DataFile:** BN037168.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB168238BS	1,4-Dioxane	0.4	0.44	ug/L	110				70	130	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2162

Client: Tetra Tech NUS, Inc.

Analytical Method: 8270-Modified **DataFile:** BN037169.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB168238BSD	1,4-Dioxane	0.4	0.43	ug/L	108	2			70	130	20

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB168238BL

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q2162 SAS No.: Q2162 SDG NO.: Q2162

Lab File ID: BN037167.D Lab Sample ID: PB168238BL

Instrument ID: BNA_N Date Extracted: 06/02/2025

Matrix: (soil/water) Water Date Analyzed: 06/04/2025

Level: (low/med) LOW Time Analyzed: 11:03

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB168238BS	PB168238BS	BN037168.D	06/04/2025
PB168238BSD	PB168238BSD	BN037169.D	06/04/2025
BP-VPB-182-GW-580-582	Q2162-03	BN037158.D	06/03/2025
BP-VPB-182-GW-620-622	Q2162-07	BN037159.D	06/03/2025
BP-VPB-182-DUP-20250528	Q2162-09	BN037160.D	06/03/2025
BP-VPB-182-EB-20250529	Q2162-10	BN037161.D	06/03/2025

COMMENTS:

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM SAS No.: Q2162 SDG NO.: Q2162

Lab File ID: BN037142.D DFTPP Injection Date: 06/03/2025

Instrument ID: BNA_N DFTPP Injection Time: 10:21

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	69.8
68	Less than 2.0% of mass 69	0.0 (0.0) 1
69	Mass 69 relative abundance	58.7
70	Less than 2.0% of mass 69	0.3 (0.5) 1
127	10.0 - 80.0% of mass 198	53.9
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
275	10.0 - 60.0% of mass 198	24.4
365	Greater than 1% of mass 198	4.5
441	Present, but less than mass 443	10.3
442	Greater than 50% of mass 198	61.1
443	15.0 - 24.0% of mass 442	12.1 (19.8) 2

1-Value is % mass 69 2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDICC0.1	SSTDICC0.1	BN037143.D	06/03/2025	11:39
SSTDICC0.2	SSTDICC0.2	BN037144.D	06/03/2025	12:15
SSTDICCC0.4	SSTDICCC0.4	BN037145.D	06/03/2025	12:51
SSTDICC0.8	SSTDICC0.8	BN037146.D	06/03/2025	13:26
SSTDICC1.6	SSTDICC1.6	BN037147.D	06/03/2025	14:02
SSTDICC3.2	SSTDICC3.2	BN037148.D	06/03/2025	14:38
SSTDICC5.0	SSTDICC5.0	BN037149.D	06/03/2025	15:14

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM SAS No.: Q2162 SDG NO.: Q2162

Lab File ID: BN037155.D DFTPP Injection Date: 06/03/2025

Instrument ID: BNA_N DFTPP Injection Time: 20:10

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	70.4
68	Less than 2.0% of mass 69	0.0 (0.0) 1
69	Mass 69 relative abundance	59.6
70	Less than 2.0% of mass 69	0.4 (0.6) 1
127	10.0 - 80.0% of mass 198	54.6
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
275	10.0 - 60.0% of mass 198	25.3
365	Greater than 1% of mass 198	4.4
441	Present, but less than mass 443	9.5
442	Greater than 50% of mass 198	57.3
443	15.0 - 24.0% of mass 442	11.1 (19.4) 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	BN037156.D	06/03/2025	20:49
BP-VPB-182-GW-580-582	Q2162-03	BN037158.D	06/03/2025	22:01
BP-VPB-182-GW-620-622	Q2162-07	BN037159.D	06/03/2025	22:37
BP-VPB-182-DUP-20250528	Q2162-09	BN037160.D	06/03/2025	23:13
BP-VPB-182-EB-20250529	Q2162-10	BN037161.D	06/03/2025	23:49
SSTDCCC0.4EC	SSTDCCC0.4	BN037164.D	06/04/2025	02:13

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM SAS No.: Q2162 SDG NO.: Q2162

Lab File ID: BN037165.D DFTPP Injection Date: 06/04/2025

Instrument ID: BNA_N DFTPP Injection Time: 09:04

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	76.1
68	Less than 2.0% of mass 69	0.4 (0.6) 1
69	Mass 69 relative abundance	61.6
70	Less than 2.0% of mass 69	0.3 (0.5) 1
127	10.0 - 80.0% of mass 198	55.9
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	6.8
275	10.0 - 60.0% of mass 198	24.2
365	Greater than 1% of mass 198	4.3
441	Present, but less than mass 443	8.7
442	Greater than 50% of mass 198	51.8
443	15.0 - 24.0% of mass 442	10.3 (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	BN037166.D	06/04/2025	10:27
PB168238BL	PB168238BL	BN037167.D	06/04/2025	11:03
PB168238BS	PB168238BS	BN037168.D	06/04/2025	12:27
PB168238BSD	PB168238BSD	BN037169.D	06/04/2025	13:03
SSTDCCC0.4EC	SSTDCCC0.4	BN037170.D	06/04/2025	13:53

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q2162 SAS No.: Q2162 SDG NO.: Q2162

EPA Sample No.: SSTDCCC0.4 Date Analyzed: 06/03/2025

Lab File ID: BN037156.D Time Analyzed: 20:49

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	2847	7.597	7454	10.37	3959	14.25
	UPPER LIMIT	5694	8.097	14908	10.872	7918	14.745
	LOWER LIMIT	1423.5	7.097	3727	9.872	1979.5	13.745
	EPA SAMPLE NO.						
01	BP-VPB-182-GW-580-582	2097	7.59	5795	10.37	4259	14.24
02	BP-VPB-182-GW-620-622	3162	7.59	8760	10.37	5205	14.23
03	BP-VPB-182-DUP-20250528	3155	7.59	8035	10.37	4210	14.24
04	BP-VPB-182-EB-20250529	2849	7.59	7378	10.37	3984	14.24

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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Fax : 908 789 8922

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q2162 SAS No.: Q2162 SDG NO.: Q2162

EPA Sample No.: SSTDCCC0.4 Date Analyzed: 06/03/2025

Lab File ID: BN037156.D Time Analyzed: 20:49

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	6963	16.984	4663	21.18	4134	23.374
	UPPER LIMIT	13926	17.484	9326	21.68	8268	23.874
	LOWER LIMIT	3481.5	16.484	2331.5	20.68	2067	22.874
	EPA SAMPLE NO.						
01	BP-VPB-182-GW-580-582	7770	16.98	5558	21.18	5158	23.37
02	BP-VPB-182-GW-620-622	10120	16.98	7222	21.18	6119	23.37
03	BP-VPB-182-DUP-20250528	7656	16.98	5729	21.18	5434	23.37
04	BP-VPB-182-EB-20250529	6891	16.98	4650	21.18	4307	23.37

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.

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q2162 SAS No.: Q2162 SDG NO.: Q2162

EPA Sample No.: SSTDCCC0.4 Date Analyzed: 06/04/2025

Lab File ID: BN037166.D Time Analyzed: 10:27

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	2757	7.589	7191	10.37	3834	14.23
	UPPER LIMIT	5514	8.089	14382	10.872	7668	14.734
	LOWER LIMIT	1378.5	7.089	3595.5	9.872	1917	13.734
	EPA SAMPLE NO.						
01	PB168238BL	2941	7.59	7107	10.37	3690	14.25
02	PB168238BS	2103	7.59	5280	10.37	2700	14.24
03	PB168238BSD	2147	7.59	5350	10.37	2661	14.24

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: CHEMTECH

Lab Code: CHEM Case No.: Q2162 SAS No.: Q2162 SDG NO.: Q2162

EPA Sample No.: SSTDCCC0.4 Date Analyzed: 06/04/2025

Lab File ID: BN037166.D Time Analyzed: 10:27

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	6868	16.984	4452	21.18	4092	23.374
	UPPER LIMIT	13736	17.484	8904	21.68	8184	23.874
	LOWER LIMIT	3434	16.484	2226	20.68	2046	22.874
	EPA SAMPLE NO.						
01	PB168238BL	6730	16.98	4435	21.19	4132	23.37
02	PB168238BS	4608	16.98	2742	21.19	2588	23.38
03	PB168238BSD	4419	16.98	2674	21.19	2551	23.38

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:	PB168238BL	SDG No.:	Q2162
Lab Sample ID:	PB168238BL	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
BN037167.D	1	06/02/25 08:55	06/04/25 11:03	PB168238

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	0.34		30 - 150		84%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.34		30 - 150		84%	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		91%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.37		58 - 132		93%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	2940	7.589				
1146-65-2	Naphthalene-d8	7110	10.372				
15067-26-2	Acenaphthene-d10	3690	14.245				
1517-22-2	Phenanthrene-d10	6730	16.984				
1719-03-5	Chrysene-d12	4440	21.189				
1520-96-3	Perylene-d12	4130	23.374				

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:	PB168238BS	SDG No.:	Q2162
Lab Sample ID:	PB168238BS	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
BN037168.D	1	06/02/25 08:55	06/04/25 12:27	PB168238

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.44		0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.38		30 - 150		96%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.30		30 - 150		75%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.36		55 - 111		90%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.36		53 - 106		90%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.37		58 - 132		93%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	2100	7.589				
1146-65-2	Naphthalene-d8	5280	10.372				
15067-26-2	Acenaphthene-d10	2700	14.235				
1517-22-2	Phenanthrene-d10	4610	16.984				
1719-03-5	Chrysene-d12	2740	21.189				
1520-96-3	Perylene-d12	2590	23.377				

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:	PB168238BSD	SDG No.:	Q2162
Lab Sample ID:	PB168238BSD	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
BN037169.D	1	06/02/25 08:55	06/04/25 13:03	PB168238

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.43		0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.38		30 - 150		96%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.30		30 - 150		74%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.36		55 - 111		90%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.37		53 - 106		91%	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	2150	7.59				
1146-65-2	Naphthalene-d8	5350	10.372				
15067-26-2	Acenaphthene-d10	2660	14.235				
1517-22-2	Phenanthrene-d10	4420	16.984				
1719-03-5	Chrysene-d12	2670	21.189				
1520-96-3	Perylene-d12	2550	23.377				

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-BN060325.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Jun 04 01:52:03 2025
Response Via : Initial Calibration

Calibration Files
0.1 =BN037143.D 0.2 =BN037144.D 0.4 =BN037145.D 0.8 =BN037146.D 1.6 =BN037147.D 3.2 =BN037148.D 5.0 =BN037149.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	0.598	0.657	0.510	0.506	0.526	0.477	0.458	0.533	13.16
3)		n-Nitrosodimet...	1.098	1.031	1.061	1.067	1.163	1.061	1.012	1.071	4.60
4)	S	2-Fluorophenol	1.027	1.017	0.940	0.945	1.036	0.984	0.975	0.989	3.91
5)	S	Phenol-d6	1.156	1.144	1.127	1.126	1.293	1.261	1.285	1.199	6.42
6)		bis(2-Chloroet...	1.138	1.139	1.128	1.089	1.223	1.146	1.146	1.144	3.51
7)	I	Naphthalene-d8	----------ISTD----------								
8)	S	Nitrobenzene-d5	0.393	0.383	0.421	0.407	0.455	0.450	0.446	0.422	6.86
9)		Naphthalene	1.183	1.125	1.119	1.111	1.215	1.165	1.160	1.154	3.31
10)		Hexachlorobuta...	0.253	0.249	0.261	0.247	0.266	0.246	0.238	0.251	3.81
11)	SURR	2-Methylnaphth...	0.520	0.515	0.562	0.536	0.598	0.577	0.588	0.557	5.97
12)		2-Methylnaphth...	0.704	0.680	0.691	0.719	0.809	0.783	0.793	0.740	7.22
13)	I	Acenaphthene-d10	----------ISTD----------								
14)	S	2,4,6-Tribromo...	0.124	0.147	0.146	0.157	0.185	0.182	0.186	0.161	15.03
15)	S	2-Fluorobiphenyl	1.722	1.691	1.626	1.654	1.814	1.706	1.725	1.705	3.52
16)		Acenaphthylene	1.946	1.905	1.768	1.871	2.112	2.050	2.075	1.961	6.32
17)		Acenaphthene	1.290	1.253	1.159	1.212	1.370	1.309	1.320	1.273	5.59
18)		Fluorene	1.701	1.577	1.518	1.611	1.823	1.736	1.752	1.674	6.48
19)	I	Phenanthrene-d10	----------ISTD----------								
20)		4,6-Dinitro-2-...		0.039	0.050	0.067	0.090	0.102	0.114	0.077	38.58
21)		4-Bromophenyl-...	0.256	0.253	0.244	0.254	0.281	0.276	0.271	0.262	5.32
22)		Hexachlorobenzene	0.289	0.284	0.269	0.279	0.301	0.284	0.274	0.283	3.72
23)		Atrazine	0.194	0.200	0.187	0.209	0.241	0.238	0.247	0.216	11.42
24)		Pentachlorophenol		0.086	0.092	0.107	0.140	0.153	0.165	0.124	26.72
25)		Phenanthrene	1.285	1.242	1.193	1.248	1.386	1.357	1.361	1.296	5.64
26)		Anthracene	1.098	1.099	1.036	1.143	1.294	1.290	1.317	1.183	9.71
27)	SURR	Fluoranthene-d10	0.969	0.937	0.975	0.956	1.092	1.071	1.114	1.016	7.22
28)		Fluoranthene	1.339	1.294	1.277	1.365	1.579	1.563	1.605	1.432	10.09
29)	I	Chrysene-d12	----------ISTD----------								
30)		Pyrene	2.051	1.974	1.827	1.928	2.048	1.955	1.885	1.953	4.20
31)	S	Terphenyl-d14	0.964	0.909	0.896	0.941	1.006	0.952	0.923	0.942	3.96
32)		Benzo(a)anthra...	1.369	1.367	1.291	1.404	1.582	1.553	1.570	1.448	8.15
33)		Chrysene	1.755	1.636	1.473	1.582	1.698	1.584	1.556	1.612	5.81
34)		Bis(2-ethylhex...	1.032	0.859	0.774	0.858	0.956	0.914	1.002	0.914	9.90
35)	I	Perylene-d12	----------ISTD----------								

Method Path : Z:\svoasrv\HPCHEM1\BNA_N\Methods\
Method File : 8270-SIM-BN060325.M

36)		Indeno(1,2,3-c...	1.443	1.605	1.501	1.526	1.695	1.673	1.697	1.591	6.44
37)		Benzo(b)fluora...	1.529	1.520	1.421	1.575	1.763	1.713	1.781	1.615	8.58
38)		Benzo(k)fluora...	1.576	1.565	1.461	1.612	1.777	1.743	1.805	1.648	7.79
39)	C	Benzo(a)pyrene	1.310	1.287	1.219	1.294	1.451	1.426	1.481	1.352	7.32
40)		Dibenzo(a,h)an...	1.074	1.167	1.160	1.196	1.333	1.332	1.328	1.227	8.48
41)		Benzo(g,h,i)pe...	1.368	1.450	1.351	1.372	1.477	1.424	1.425	1.410	3.33

(#) = Out of Range

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6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q2162 SAS No.: Q2162 SDG No.: Q2162

Instrument ID: BNA_N Calibration Date(s): 06/03/2025 06/03/2025

Calibration Time(s): 11:39 15:14

LAB FILE ID: RRF0.1 = BN037143.D RRF0.2 = BN037144.D RRF0.4 = BN037145.D
RRF0.8 = BN037146.D RRF1.6 = BN037147.D RRF3.2 = BN037148.D

COMPOUND	RRF0.1	RRF0.2	RRF0.4	RRF0.8	RRF1.6	RRF3.2	RRF	% RSD
2-Methylnaphthalene-d10	0.520	0.515	0.562	0.536	0.598	0.577	0.557	6.0
Fluoranthene-d10	0.969	0.937	0.975	0.956	1.092	1.071	1.016	7.2
2-Fluorophenol	1.027	1.017	0.940	0.945	1.036	0.984	0.989	3.9
Phenol-d6	1.156	1.144	1.127	1.126	1.293	1.261	1.199	6.4
Nitrobenzene-d5	0.393	0.383	0.421	0.407	0.455	0.450	0.422	6.9
2-Fluorobiphenyl	1.722	1.691	1.626	1.654	1.814	1.706	1.705	3.5
2,4,6-Tribromophenol	0.124	0.147	0.146	0.157	0.185	0.182	0.161	15.0
Terphenyl-d14	0.964	0.909	0.896	0.941	1.006	0.952	0.942	4.0
1,4-Dioxane	0.598	0.657	0.510	0.506	0.526	0.477	0.533	13.2

All other compounds must meet a minimum RRF of 0.010.

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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q2162 SAS No.: Q2162 SDG No.: Q2162

Instrument ID: BNA_N Calibration Date/Time: 06/03/2025 20:49

Lab File ID: BN037156.D Init. Calib. Date(s): 06/03/2025 06/03/2025

EPA Sample No.: SSTDCCC0.4 Init. Calib. Time(s): 11:39 15:14

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

COMPOUND	RRF	RRF0.4	MIN RRF	%D	MAX%D
2-Methylnaphthalene-d10	0.557	0.552		-0.9	20.0
Fluoranthene-d10	1.016	0.920		-9.4	20.0
2-Fluorophenol	0.989	0.965		-2.4	20.0
Phenol-d6	1.199	1.176		-1.9	20.0
Nitrobenzene-d5	0.422	0.417		-1.2	20.0
2-Fluorobiphenyl	1.705	1.640		-3.8	20.0
2,4,6-Tribromophenol	0.161	0.134		-16.8	20.0
Terphenyl-d14	0.942	0.890		-5.5	20.0
1,4-Dioxane	0.533	0.474		-11.1	20.0

All other compounds must meet a minimum RRF of 0.010.

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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q2162 SAS No.: Q2162 SDG No.: Q2162

Instrument ID: BNA_N Calibration Date/Time: 06/04/2025 02:13

Lab File ID: BN037164.D Init. Calib. Date(s): 06/03/2025 06/03/2025

EPA Sample No.: SSTDCCC0.4EC Init. Calib. Time(s): 11:39 15:14

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

COMPOUND	RRF	RRF0.4	MIN RRF	%D	MAX%D
2-Methylnaphthalene-d10	0.557	0.563		1.1	50.0
Fluoranthene-d10	1.016	0.935		-8.0	50.0
2-Fluorophenol	0.989	0.963		-2.6	50.0
Phenol-d6	1.199	1.151		-4.0	50.0
Nitrobenzene-d5	0.422	0.418		-0.9	50.0
2-Fluorobiphenyl	1.705	1.686		-1.1	50.0
2,4,6-Tribromophenol	0.161	0.148		-8.1	50.0
Terphenyl-d14	0.942	0.914		-3.0	50.0
1,4-Dioxane	0.533	0.492		-7.7	50.0

All other compounds must meet a minimum RRF of 0.010.

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q2162 SAS No.: Q2162 SDG No.: Q2162

Instrument ID: BNA_N Calibration Date/Time: 06/04/2025 10:27

Lab File ID: BN037166.D Init. Calib. Date(s): 06/03/2025 06/03/2025

EPA Sample No.: SSTDCCC0.4 Init. Calib. Time(s): 11:39 15:14

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

COMPOUND	RRF	RRF0.4	MIN RRF	%D	MAX%D
2-Methylnaphthalene-d10	0.557	0.558		0.2	20.0
Fluoranthene-d10	1.016	0.928		-8.7	20.0
2-Fluorophenol	0.989	0.951		-3.8	20.0
Phenol-d6	1.199	1.170		-2.4	20.0
Nitrobenzene-d5	0.422	0.420		-0.5	20.0
2-Fluorobiphenyl	1.705	1.701		-0.2	20.0
2,4,6-Tribromophenol	0.161	0.138		-14.3	20.0
Terphenyl-d14	0.942	0.909		-3.5	20.0
1,4-Dioxane	0.533	0.507		-4.9	20.0

All other compounds must meet a minimum RRF of 0.010.

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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q2162 SAS No.: Q2162 SDG No.: Q2162

Instrument ID: BNA_N Calibration Date/Time: 06/04/2025 13:53

Lab File ID: BN037170.D Init. Calib. Date(s): 06/03/2025 06/03/2025

EPA Sample No.: SSTDCCC0.4EC Init. Calib. Time(s): 11:39 15:14

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

COMPOUND	RRF	RRF0.4	MIN RRF	%D	MAX%D
2-Methylnaphthalene-d10	0.557	0.549		-1.4	50.0
Fluoranthene-d10	1.016	0.941		-7.4	50.0
2-Fluorophenol	0.989	0.994		0.5	50.0
Phenol-d6	1.199	1.160		-3.3	50.0
Nitrobenzene-d5	0.422	0.430		1.9	50.0
2-Fluorobiphenyl	1.705	1.670		-2.1	50.0
2,4,6-Tribromophenol	0.161	0.139		-13.7	50.0
Terphenyl-d14	0.942	0.870		-7.6	50.0
1,4-Dioxane	0.533	0.518		-2.8	50.0

All other compounds must meet a minimum RRF of 0.010.