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

LAB CHRONICLE

OrderID:	P4959	**OrderDate:**	11/22/2024 10:42:00 AM
Client:	Tetra Tech NUS, Inc.	**Project:**	CTO WE13
Contact:	Ernie Wu	**Location:**	L41

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4959-01	**RW5-SP100-20241121**	**Water**			**11/21/24**			**11/22/24**
			SVOC-SIMGroup1	8270-Modified		11/22/24	11/28/24	
P4959-02	**RW5-SP201-20241121**	**Water**			**11/21/24**			**11/22/24**
			SVOC-SIMGroup1	8270-Modified		11/22/24	11/26/24	
P4959-03	**RW5-SP303-20241121**	**Water**			**11/21/24**			**11/22/24**
			SVOC-SIMGroup1	8270-Modified		11/22/24	11/26/24	

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

Hit Summary Sheet
SW-846

SDG No.: P4959

Client: Tetra Tech NUS, Inc.

Sample ID	Client ID		Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID :	**RW5-SP100-20241121**								
P4959-01	RW5-SP100-20241121	WATER	1,4-Dioxane	10.400		0.34	1	1	ug/L
			Total Svoc :	**10.40**					
			Total Concentration:	**10.40**					

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:	11/21/24
Project:	CTO WE13	Date Received:	11/22/24
Client Sample ID:	RW5-SP100-20241121	SDG No.:	P4959
Lab Sample ID:	P4959-01	Matrix:	Water
Analytical Method:	SW8270SIM	% Solid:	0
Sample Wt/Vol:	990 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-SIMGroup1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN035374.D	5	11/22/24 12:25	11/28/24 08:26	PB165198

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	10.4		0.34	1.00	1.00	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.49		30 - 150		123%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.58		30 - 150		145%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.43		55 - 111		106%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.44	*	53 - 106		110%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.66	*	58 - 132		165%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	1750	7.308				
1146-65-2	Naphthalene-d8	4240	10.052				
15067-26-2	Acenaphthene-d10	3220	13.967				
1517-22-2	Phenanthrene-d10	8380	16.736				
1719-03-5	Chrysene-d12	7890	20.974				
1520-96-3	Perylene-d12	7950	23.067				

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:	11/21/24
Project:	CTO WE13	Date Received:	11/22/24
Client Sample ID:	RW5-SP201-20241121	SDG No.:	P4959
Lab Sample ID:	P4959-02	Matrix:	Water
Analytical Method:	SW8270SIM	% 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 :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN035298.D	1	11/22/24 12:25	11/26/24 02:02	PB165198

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	0.55		30 - 150		136%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.53		30 - 150		132%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.25		55 - 111		61%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.086	*	53 - 106		22%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.92	*	58 - 132		229%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	3350	7.315				
1146-65-2	Naphthalene-d8	8970	10.062				
15067-26-2	Acenaphthene-d10	7830	13.965				
1517-22-2	Phenanthrene-d10	13000	16.734				
1719-03-5	Chrysene-d12	823	21.008				
1520-96-3	Perylene-d12	7690	23.075				

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:	11/21/24
Project:	CTO WE13	Date Received:	11/22/24
Client Sample ID:	RW5-SP303-20241121	SDG No.:	P4959
Lab Sample ID:	P4959-03	Matrix:	Water
Analytical Method:	SW8270SIM	% 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 :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN035299.D	1	11/22/24 12:25	11/26/24 02:38	PB165198

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	0.45		30 - 150		113%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.41		30 - 150		102%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.23		55 - 111		57%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.24		53 - 106		60%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.73	*	58 - 132		182%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	4030	7.315				
1146-65-2	Naphthalene-d8	10600	10.063				
15067-26-2	Acenaphthene-d10	6680	13.966				
1517-22-2	Phenanthrene-d10	14000	16.734				
1719-03-5	Chrysene-d12	880	21.008				
1520-96-3	Perylene-d12	7740	23.078				

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.: P4959

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
P4959-01	RW5-SP100-20241121	2-Methylnaphthalene-d10	0.4	0.49	123		30	150
		Fluoranthene-d10	0.4	0.58	145		30	150
		Nitrobenzene-d5	0.4	0.43	106		55	111
		2-Fluorobiphenyl	0.4	0.44	110	*	53	106
		Terphenyl-d14	0.4	0.66	165	*	58	132
P4959-02	RW5-SP201-20241121	2-Methylnaphthalene-d10	0.4	0.55	136		30	150
		Fluoranthene-d10	0.4	0.53	132		30	150
		Nitrobenzene-d5	0.4	0.25	61		55	111
		2-Fluorobiphenyl	0.4	0.086	22	*	53	106
		Terphenyl-d14	0.4	0.92	229	*	58	132
P4959-03	RW5-SP303-20241121	2-Methylnaphthalene-d10	0.4	0.45	113		30	150
		Fluoranthene-d10	0.4	0.41	102		30	150
		Nitrobenzene-d5	0.4	0.23	57		55	111
		2-Fluorobiphenyl	0.4	0.24	60		53	106
		Terphenyl-d14	0.4	0.73	182	*	58	132
PB165198BL	PB165198BL	2-Methylnaphthalene-d10	0.4	0.42	104		30	150
		Fluoranthene-d10	0.4	0.41	101		30	150
		Nitrobenzene-d5	0.4	0.37	93		55	111
		2-Fluorobiphenyl	0.4	0.39	98		53	106
		Terphenyl-d14	0.4	0.49	122		58	132
PB165198BS	PB165198BS	2-Methylnaphthalene-d10	0.4	0.58	145		30	150
		Fluoranthene-d10	0.4	0.46	115		30	150
		Nitrobenzene-d5	0.4	0.47	117	*	55	111
		2-Fluorobiphenyl	0.4	0.48	119	*	53	106
		Terphenyl-d14	0.4	0.52	130		58	132
PB165198BSD	PB165198BSD	2-Methylnaphthalene-d10	0.4	0.51	127		30	150
		Fluoranthene-d10	0.4	0.40	99		30	150
		Nitrobenzene-d5	0.4	0.41	103		55	111
		2-Fluorobiphenyl	0.4	0.42	104		53	106
		Terphenyl-d14	0.4	0.45	113		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.: P4959

Client: Tetra Tech NUS, Inc.

Analytical Method: 8270-Modified **DataFile:** BN035370.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB165198BS	1,4-Dioxane	0.4	0.41	ug/L	103				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.: P4959

Client: Tetra Tech NUS, Inc.

Analytical Method: 8270-Modified **DataFile:** BN035371.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB165198BSD	1,4-Dioxane	0.4	0.35	ug/L	88	16			70	130	20

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

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB165198BL

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: P4959 SAS No.: P4959 SDG NO.: P4959

Lab File ID: BN035369.D Lab Sample ID: PB165198BL

Instrument ID: BNA_N Date Extracted: 11/22/2024

Matrix: (soil/water) Water Date Analyzed: 11/28/2024

Level: (low/med) LOW Time Analyzed: 05:27

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB165198BS	PB165198BS	BN035370.D	11/28/2024
PB165198BSD	PB165198BSD	BN035371.D	11/28/2024
RW5-SP100-20241121	P4959-01	BN035374.D	11/28/2024
RW5-SP201-20241121	P4959-02	BN035298.D	11/26/2024
RW5-SP303-20241121	P4959-03	BN035299.D	11/26/2024

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: CHEMTECH Contract: TETR06

Lab Code: CHEM SAS No.: P4959 SDG NO.: P4959

Lab File ID: BN035276.D DFTPP Injection Date: 11/25/2024

Instrument ID: BNA_N DFTPP Injection Time: 09:37

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	22.2
68	Less than 2.0% of mass 69	0.0 (0.0) 1
69	Mass 69 relative abundance	30.5
70	Less than 2.0% of mass 69	0.2 (0.5) 1
127	10.0 - 80.0% of mass 198	40.9
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	6.7
275	10.0 - 60.0% of mass 198	28.2
365	Greater than 1% of mass 198	4.2
441	Present, but less than mass 443	10.4
442	Greater than 50% of mass 198	65.2
443	15.0 - 24.0% of mass 442	12.3 (18.9) 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	BN035277.D	11/25/2024	10:16
SSTDICC0.2	SSTDICC0.2	BN035278.D	11/25/2024	10:52
SSTDICCC0.4	SSTDICCC0.4	BN035279.D	11/25/2024	11:28
SSTDICC0.8	SSTDICC0.8	BN035280.D	11/25/2024	12:04
SSTDICC1.6	SSTDICC1.6	BN035281.D	11/25/2024	12:40
SSTDICC3.2	SSTDICC3.2	BN035282.D	11/25/2024	13:16
SSTDICC5.0	SSTDICC5.0	BN035283.D	11/25/2024	13:52
SSTDCCC0.4EC	SSTDCCC0.4	BN035291.D	11/25/2024	19:20

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: CHEMTECH Contract: TETR06

Lab Code: CHEM SAS No.: P4959 SDG NO.: P4959

Lab File ID: BN035292.D DFTPP Injection Date: 11/25/2024

Instrument ID: BNA_N DFTPP Injection Time: 20:35

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	21.5
68	Less than 2.0% of mass 69	0.0 (0.0) 1
69	Mass 69 relative abundance	28.6
70	Less than 2.0% of mass 69	0.1 (0.5) 1
127	10.0 - 80.0% of mass 198	40.4
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	29
365	Greater than 1% of mass 198	4.6
441	Present, but less than mass 443	11.9
442	Greater than 50% of mass 198	71
443	15.0 - 24.0% of mass 442	13.4 (18.8) 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
SSTDCCC0.4	SSTDCCC0.4	BN035293.D	11/25/2024	23:02
RW5-SP201-20241121	P4959-02	BN035298.D	11/26/2024	02:02
RW5-SP303-20241121	P4959-03	BN035299.D	11/26/2024	02:38
SSTDCCC0.4EC	SSTDCCC0.4	BN035300.D	11/26/2024	03:14

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: CHEMTECH Contract: TETR06

Lab Code: CHEM SAS No.: P4959 SDG NO.: P4959

Lab File ID: BN035349.D DFTPP Injection Date: 11/27/2024

Instrument ID: BNA_N DFTPP Injection Time: 14:55

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	21.6
68	Less than 2.0% of mass 69	0.0 (0.0) 1
69	Mass 69 relative abundance	28.9
70	Less than 2.0% of mass 69	0.1 (0.4) 1
127	10.0 - 80.0% of mass 198	39.4
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
275	10.0 - 60.0% of mass 198	27.9
365	Greater than 1% of mass 198	4.6
441	Present, but less than mass 443	11.5
442	Greater than 50% of mass 198	70.8
443	15.0 - 24.0% of mass 442	14 (19.7) 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	BN035350.D	11/27/2024	15:34
SSTDICC0.2	SSTDICC0.2	BN035351.D	11/27/2024	16:10
SSTDICCC0.4	SSTDICCC0.4	BN035352.D	11/27/2024	16:46
SSTDICC0.8	SSTDICC0.8	BN035353.D	11/27/2024	17:21
SSTDICC1.6	SSTDICC1.6	BN035354.D	11/27/2024	17:57
SSTDICC3.2	SSTDICC3.2	BN035355.D	11/27/2024	18:33
SSTDICC5.0	SSTDICC5.0	BN035356.D	11/27/2024	19:09
SSTDCCC0.4EC	SSTDCCC0.4	BN035366.D	11/28/2024	02:20

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: CHEMTECH Contract: TETR06

Lab Code: CHEM SAS No.: P4959 SDG NO.: P4959

Lab File ID: BN035367.D DFTPP Injection Date: 11/28/2024

Instrument ID: BNA_N DFTPP Injection Time: 03:35

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	22.7
68	Less than 2.0% of mass 69	0.0 (0.0) 1
69	Mass 69 relative abundance	29.8
70	Less than 2.0% of mass 69	0.2 (0.6) 1
127	10.0 - 80.0% of mass 198	40.4
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
275	10.0 - 60.0% of mass 198	29.7
365	Greater than 1% of mass 198	4.8
441	Present, but less than mass 443	12.8
442	Greater than 50% of mass 198	76.8
443	15.0 - 24.0% of mass 442	15 (19.5) 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	BN035368.D	11/28/2024	04:51
PB165198BL	PB165198BL	BN035369.D	11/28/2024	05:27
PB165198BS	PB165198BS	BN035370.D	11/28/2024	06:03
PB165198BSD	PB165198BSD	BN035371.D	11/28/2024	06:39
RW5-SP100-20241121	P4959-01	BN035374.D	11/28/2024	08:26
SSTDCCC0.4EC	SSTDCCC0.4	BN035375.D	11/28/2024	09:02

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: CHEMTECH

Lab Code: CHEM Case No.: P4959 SAS No.: P4959 SDG NO.: P4959

EPA Sample No.: SSTDCCC0.4 Date Analyzed: 11/25/2024

Lab File ID: BN035293.D Time Analyzed: 23:02

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	3724	7.315	9273	10.06	5865	13.97
	UPPER LIMIT	7448	7.815	18546	10.563	11730	14.473
	LOWER LIMIT	1862	6.815	4636.5	9.563	2932.5	13.473
	EPA SAMPLE NO.						
01	RW5-SP201-20241121	3353	7.32	8974	10.06	7827	13.97
02	RW5-SP303-20241121	4025	7.32	10571	10.06	6682	13.97

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: CHEMTECH

Lab Code: CHEM Case No.: P4959 SAS No.: P4959 SDG NO.: P4959

EPA Sample No.: SSTDCCC0.4 Date Analyzed: 11/25/2024

Lab File ID: BN035293.D Time Analyzed: 23:02

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	12563	16.741	932	21.006	7119	23.078
	UPPER LIMIT	25126	17.241	1864	21.506	14238	23.578
	LOWER LIMIT	6281.5	16.241	466	20.506	3559.5	22.578
	EPA SAMPLE NO.						
01	RW5-SP201-20241121	12956	16.73	823	21.01	7685	23.08
02	RW5-SP303-20241121	14026	16.73	880	21.01	7740	23.08

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.

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: CHEMTECH

Lab Code: CHEM Case No.: P4959 SAS No.: P4959 SDG NO.: P4959

EPA Sample No.: SSTDCCC0.4 Date Analyzed: 11/28/2024

Lab File ID: BN035368.D Time Analyzed: 04:51

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	2051	7.308	5360	10.05	3908	13.97
	UPPER LIMIT	4102	7.808	10720	10.552	7816	14.467
	LOWER LIMIT	1025.5	6.808	2680	9.552	1954	13.467
	EPA SAMPLE NO.						
01	RW5-SP100-20241121	1752	7.31	4244	10.05	3218	13.97
02	PB165198BL	2540	7.31	6378	10.06	4630	13.97
03	PB165198BS	2262	7.31	5496	10.05	3686	13.97
04	PB165198BSD	2376	7.31	5724	10.05	3806	13.97

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: CHEMTECH

Lab Code: CHEM Case No.: P4959 SAS No.: P4959 SDG NO.: P4959

EPA Sample No.: SSTDCCC0.4 Date Analyzed: 11/28/2024

Lab File ID: BN035368.D Time Analyzed: 04:51

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	9758	16.723	9496	20.974	10416	23.067
	UPPER LIMIT	19516	17.223	18992	21.474	20832	23.567
	LOWER LIMIT	4879	16.223	4748	20.474	5208	22.567
	EPA SAMPLE NO.						
01	RW5-SP100-20241121	8380	16.74	7890	20.97	7953	23.07
02	PB165198BL	11721	16.74	10667	20.97	11480	23.07
03	PB165198BS	9203	16.72	8666	20.97	8924	23.07
04	PB165198BSD	9566	16.74	8948	20.97	9280	23.07

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:	CTO WE13			Date Received:	
Client Sample ID:	PB165198BL			SDG No.:	P4959
Lab Sample ID:	PB165198BL			Matrix:	Water
Analytical Method:	SW8270SIM			% 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 :	SW3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN035369.D	1	11/22/24 12:25	11/28/24 05:27	PB165198

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	0.42		30 - 150		104%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.41		30 - 150		101%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.37		55 - 111		93%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.39		53 - 106		98%	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	2540	7.308				
1146-65-2	Naphthalene-d8	6380	10.063				
15067-26-2	Acenaphthene-d10	4630	13.967				
1517-22-2	Phenanthrene-d10	11700	16.735				
1719-03-5	Chrysene-d12	10700	20.974				
1520-96-3	Perylene-d12	11500	23.07				

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,
Fax : 908 789 8922

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	CTO WE13	Date Received:	
Client Sample ID:	PB165198BS	SDG No.:	P4959
Lab Sample ID:	PB165198BS	Matrix:	Water
Analytical Method:	SW8270SIM	% 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 :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN035370.D	1	11/22/24 12:25	11/28/24 06:03	PB165198

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.41		0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.58		30 - 150		145%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.46		30 - 150		115%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.47	*	55 - 111		117%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.48	*	53 - 106		119%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.52		58 - 132		130%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	2260	7.308				
1146-65-2	Naphthalene-d8	5500	10.052				
15067-26-2	Acenaphthene-d10	3690	13.967				
1517-22-2	Phenanthrene-d10	9200	16.723				
1719-03-5	Chrysene-d12	8670	20.974				
1520-96-3	Perylene-d12	8920	23.067				

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:	CTO WE13			Date Received:	
Client Sample ID:	PB165198BSD			SDG No.:	P4959
Lab Sample ID:	PB165198BSD			Matrix:	Water
Analytical Method:	SW8270SIM			% 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 :	SW3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN035371.D	1	11/22/24 12:25	11/28/24 06:39	PB165198

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.35		0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.51		30 - 150		127%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.40		30 - 150		99%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.41		55 - 111		103%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.42		53 - 106		104%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.45		58 - 132		113%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	2380	7.308				
1146-65-2	Naphthalene-d8	5720	10.052				
15067-26-2	Acenaphthene-d10	3810	13.967				
1517-22-2	Phenanthrene-d10	9570	16.735				
1719-03-5	Chrysene-d12	8950	20.974				
1520-96-3	Perylene-d12	9280	23.07				

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-BN112524.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Tue Nov 26 02:36:08 2024
Response Via : Initial Calibration

Calibration Files
0.1 =BN035277.D 0.2 =BN035278.D 0.4 =BN035279.D 0.8 =BN035280.D 1.6 =BN035281.D 3.2 =BN035282.D 5.0 =BN035283.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	0.375	0.276	0.287	0.263	0.284	0.262	0.267	0.288	13.80
3)		n-Nitrosodimet...		0.279	0.284	0.306	0.313	0.299	0.306	0.298	4.56
4)	S	2-Fluorophenol	0.858	0.793	0.789	0.725	0.730	0.678	0.718	0.756	8.00
5)	S	Phenol-d6	1.194	1.125	1.105	1.022	1.025	0.963	0.955	1.056	8.40
6)		bis(2-Chloroet...	0.910	0.870	0.896	0.887	0.914	0.874	0.869	0.889	2.11
7)	I	Naphthalene-d8	----------ISTD----------								
8)	S	Nitrobenzene-d5	0.267	0.272	0.347	0.327	0.356	0.348	0.354	0.324	11.95
9)		Naphthalene	1.085	1.055	1.091	1.075	1.150	1.140	1.174	1.110	4.01
10)		Hexachlorobuta...	0.281	0.289	0.312	0.311	0.339	0.330	0.322	0.312	6.74
11)	SURR	2-Methylnaphth...	0.561	0.531	0.539	0.527	0.566	0.580	0.616	0.560	5.61
12)		2-Methylnaphth...	0.690	0.680	0.680	0.675	0.748	0.782	0.829	0.726	8.37
13)	I	Acenaphthene-d10	----------ISTD----------								
14)	S	2,4,6-Tribromo...	0.174	0.174	0.180	0.186	0.213	0.230	0.272	0.204	17.97
15)	S	2-Fluorobiphenyl	0.595	0.424	0.245	0.118	0.082	0.049	0.033	0.221	97.20
16)		Acenaphthylene	1.859	1.869	1.885	1.919	2.117	2.147	2.294	2.013	8.53
17)		Acenaphthene	1.144	1.158	1.176	1.194	1.341	1.386	1.473	1.267	10.33
18)		Fluorene	1.538	1.617	1.634	1.688	1.907	1.985	2.068	1.777	11.63
19)	I	Phenanthrene-d10	----------ISTD----------								
20)		4,6-Dinitro-2-...		0.027	0.034	0.039	0.048	0.056		0.041	27.63
21)		4-Bromophenyl-...	0.248	0.236	0.235	0.233	0.252	0.271	0.300	0.254	9.59
22)		Hexachlorobenzene	0.326	0.336	0.352	0.363	0.391	0.381	0.394	0.363	7.33
23)		Atrazine	0.091	0.095	0.100	0.100	0.114	0.117	0.133	0.107	13.85
24)		Pentachlorophenol		0.067	0.079	0.082	0.097	0.112		0.087	19.82
25)		Phenanthrene	1.121	1.103	1.131	1.162	1.271	1.364	1.448	1.229	11.00
26)		Anthracene	0.904	0.899	0.911	0.953	1.100	1.252	1.367	1.055	18.01
27)	SURR	Fluoranthene-d10	0.953	0.963	0.967	0.998	1.120	1.224	1.269	1.070	12.46
28)		Fluoranthene	1.248	1.282	1.340	1.453	1.732	1.890	1.907	1.550	18.48
29)	I	Chrysene-d12	----------ISTD----------								
30)		Pyrene	1.357	1.179	1.528	1.271	1.779	1.615		1.455 E1	15.55
31)	S	Terphenyl-d14	0.628	0.551	0.726	0.608	0.862	0.764	1.035	0.739 E1	22.66
32)		Benzo(a)anthra...	1.299	1.119	1.382	1.150	1.641	1.439	1.714	1.392 E1	16.32
33)		Chrysene	1.299	1.119	1.382	1.150	1.641	1.439	1.714	1.392 E1	16.32
34)		Bis(2-ethylhex...		1.747	0.910	0.506	0.436	0.229		0.765	78.59
35)	I	Perylene-d12	----------ISTD----------								

Method Path : Z:\svoasrv\HPCHEM1\BNA_N\Methods\
Method File : 8270-SIM-BN112524.M

36)		Indeno(1,2,3-c...	1.377	1.410	1.523	1.574	1.744	1.787	2.049	1.638	14.53
37)		Benzo(b)fluora...	1.505	1.552	1.452	1.714	1.877	2.005	2.064	1.738	14.25
38)		Benzo(k)fluora...	1.567	1.585	1.632	1.796	2.049	2.079	2.165	1.839	13.87
39)	C	Benzo(a)pyrene	1.191	1.181	1.143	1.297	1.428	1.476	1.586	1.329	12.80
40)		Dibenzo(a,h)an...	0.961	1.028	1.107	1.202	1.353	1.402	1.612	1.238	18.62
41)		Benzo(g,h,i)pe...	1.296	1.311	1.241	1.412	1.508	1.517	1.737	1.432	11.97

(#) = Out of Range

Response Factor Report BNA_N

Method Path : Z:\svoasrv\HPCHEM1\BNA_N\Methods\
Method File : 8270-SIM-BN112724.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Nov 27 23:03:24 2024
Response Via : Initial Calibration

Calibration Files
0.1 =BN035350.D 0.2 =BN035351.D 0.4 =BN035352.D 0.8 =BN035353.D 1.6 =BN035354.D 3.2 =BN035355.D 5.0 =BN035356.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	0.406	0.417	0.376	0.380	0.392	0.357	0.348	0.382	6.52
3)		n-Nitrosodimet...	0.334	0.302	0.326	0.315	0.332	0.310	0.309	0.319	3.92
4)	S	2-Fluorophenol	1.025	1.112	1.018	0.958	0.998	0.954	0.942	1.001	5.88
5)	S	Phenol-d6	1.227	1.186	1.193	1.143	1.235	1.215	1.229	1.204	2.69
6)		bis(2-Chloroet...	1.035	1.021	0.992	0.993	1.051	0.997	0.991	1.012	2.39
7)	I	Naphthalene-d8	----------ISTD----------								
8)	S	Nitrobenzene-d5	0.227	0.232	0.235	0.248	0.257	0.251	0.261	0.244	5.31
9)		Naphthalene	1.062	1.029	1.047	1.032	1.096	1.049	1.070	1.055	2.22
10)		Hexachlorobuta...	0.245	0.242	0.247	0.241	0.255	0.236	0.238	0.243	2.60
11)	SURR	2-Methylnaphth...	0.591	0.603	0.619	0.615	0.659	0.639	0.656	0.626	4.16
12)		2-Methylnaphth...	0.724	0.716	0.740	0.747	0.795	0.771	0.795	0.755	4.25
13)	I	Acenaphthene-d10	----------ISTD----------								
14)	S	2,4,6-Tribromo...	0.273	0.258	0.257	0.268	0.293	0.311	0.328	0.284	9.67
15)	S	2-Fluorobiphenyl	1.489	1.491	1.510	1.508	1.566	1.511	1.511	1.512	1.68
16)		Acenaphthylene	1.643	1.600	1.595	1.638	1.737	1.763	1.781	1.680	4.68
17)		Acenaphthene	1.121	1.084	1.086	1.108	1.145	1.122	1.140	1.115	2.17
18)		Fluorene	1.589	1.549	1.543	1.600	1.652	1.614	1.625	1.596	2.47
19)	I	Phenanthrene-d10	----------ISTD----------								
20)		4,6-Dinitro-2-...	0.038	0.031	0.036	0.041	0.051			0.039	19.30
21)		4-Bromophenyl-...	0.226	0.218	0.226	0.233	0.249	0.242	0.244	0.234	4.85
22)		Hexachlorobenzene	0.265	0.266	0.273	0.276	0.288	0.278	0.277	0.275	2.82
23)		Atrazine	0.155	0.155	0.154	0.156	0.175	0.179	0.191	0.167	8.98
24)		Pentachlorophenol	0.140	0.090	0.095	0.103	0.121	0.136	0.150	0.120	19.86
25)		Phenanthrene	1.092	1.046	1.067	1.092	1.148	1.121	1.125	1.099	3.20
26)		Anthracene	0.964	0.923	0.940	0.973	1.050	1.042	1.064	0.994	5.76
27)	SURR	Fluoranthene-d10	1.203	1.086	1.077	1.105	1.165	1.138	1.164	1.134	4.10
28)		Fluoranthene	1.538	1.396	1.416	1.456	1.539	1.497	1.526	1.481	3.99
29)	I	Chrysene-d12	----------ISTD----------								
30)		Pyrene	1.583	1.445	1.475	1.443	1.519	1.440	1.431	1.477	3.79
31)	S	Terphenyl-d14	0.832	0.777	0.791	0.771	0.812	0.772	0.769	0.789	3.08
32)		Benzo(a)anthra...	1.431	1.343	1.355	1.375	1.451	1.411	1.429	1.399	2.98
33)		Chrysene	1.463	1.452	1.441	1.415	1.487	1.422	1.420	1.443	1.84
34)		Bis(2-ethylhex...	0.710	0.558	0.516	0.505	0.520	0.516	0.544	0.553	12.96
35)	I	Perylene-d12	----------ISTD----------								

Method Path : Z:\svoasrv\HPCHEM1\BNA_N\Methods\
Method File : 8270-SIM-BN112724.M

36)		Indeno(1,2,3-c...	1.411	1.489	1.532	1.554	1.660	1.615	1.685	1.564	6.22
37)		Benzo(b)fluora...	1.305	1.348	1.313	1.378	1.827	1.463	1.608	1.463	13.12
38)		Benzo(k)fluora...	1.444	1.376	1.402	1.419	1.527	1.447	1.468	1.440	3.39
39)	C	Benzo(a)pyrene	1.204	1.156	1.146	1.171	1.256	1.232	1.271	1.205	4.11
40)		Dibenzo(a,h)an...	1.104	1.187	1.194	1.226	1.315	1.280	1.332	1.234	6.55
41)		Benzo(g,h,i)pe...	1.188	1.238	1.248	1.269	1.360	1.330	1.394	1.289	5.71

(#) = 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: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: P4959 SAS No.: P4959 SDG No.: P4959

Instrument ID: BNA_N Calibration Date/Time: 11/25/2024 23:02

Lab File ID: BN035293.D Init. Calib. Date(s): 11/25/2024 11/25/2024

EPA Sample No.: SSTDCCC0.4 Init. Calib. Time(s): 10:16 13:52

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

COMPOUND	RRF	RRF0.4	MIN RRF	%D	MAX%D
2-Methylnaphthalene-d10	0.560	0.590		5.4	20.0
Fluoranthene-d10	1.070	0.923		-13.7	20.0
2-Fluorophenol	0.756	0.976		29.1	20.0
Phenol-d6	1.056	1.259		19.2	20.0
Nitrobenzene-d5	0.324	0.198		-38.9	20.0
2-Fluorobiphenyl	0.221	0.145		-34.4	20.0
2,4,6-Tribromophenol	0.204	0.212		3.9	20.0
Terphenyl-d14	7.392	8.364		13.1	20.0
1,4-Dioxane	0.288	0.361		25.3	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: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: P4959 SAS No.: P4959 SDG No.: P4959

Instrument ID: BNA_N Calibration Date/Time: 11/26/2024 03:14

Lab File ID: BN035300.D Init. Calib. Date(s): 11/25/2024 11/25/2024

EPA Sample No.: SSTDCCC0.4EC Init. Calib. Time(s): 10:16 13:52

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

COMPOUND	RRF	RRF0.4	MIN RRF	%D	MAX%D
2-Methylnaphthalene-d10	0.560	0.555		-0.9	50.0
Fluoranthene-d10	1.070	0.944		-11.8	50.0
2-Fluorophenol	0.756	1.011		33.7	50.0
Phenol-d6	1.056	1.202		13.8	50.0
Nitrobenzene-d5	0.324	0.212		-34.6	50.0
2-Fluorobiphenyl	0.221	0.171		-22.6	50.0
2,4,6-Tribromophenol	0.204	0.208		2.0	50.0
Terphenyl-d14	7.392	6.672		-9.7	50.0
1,4-Dioxane	0.288	0.391		35.8	50.0

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: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: P4959 SAS No.: P4959 SDG No.: P4959

Instrument ID: BNA_N Calibration Date/Time: 11/28/2024 04:51

Lab File ID: BN035368.D Init. Calib. Date(s): 11/27/2024 11/27/2024

EPA Sample No.: SSTDCCC0.4 Init. Calib. Time(s): 15:34 19:09

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

COMPOUND	RRF	RRF0.4	MIN RRF	%D	MAX%D
2-Methylnaphthalene-d10	0.626	0.617		-1.4	20.0
Fluoranthene-d10	1.134	1.065		-6.1	20.0
2-Fluorophenol	1.001	1.030		2.9	20.0
Phenol-d6	1.204	1.273		5.7	20.0
Nitrobenzene-d5	0.244	0.241		-1.2	20.0
2-Fluorobiphenyl	1.512	1.520		0.5	20.0
2,4,6-Tribromophenol	0.284	0.280		-1.4	20.0
Terphenyl-d14	0.789	0.788		-0.1	20.0
1,4-Dioxane	0.382	0.375		-1.8	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: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: P4959 SAS No.: P4959 SDG No.: P4959

Instrument ID: BNA_N Calibration Date/Time: 11/28/2024 09:02

Lab File ID: BN035375.D Init. Calib. Date(s): 11/27/2024 11/27/2024

EPA Sample No.: SSTDCCC0.4EC Init. Calib. Time(s): 15:34 19:09

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

COMPOUND	RRF	RRF0.4	MIN RRF	%D	MAX%D
2-Methylnaphthalene-d10	0.626	0.614		-1.9	50.0
Fluoranthene-d10	1.134	1.056		-6.9	50.0
2-Fluorophenol	1.001	1.006		0.5	50.0
Phenol-d6	1.204	1.212		0.7	50.0
Nitrobenzene-d5	0.244	0.244		0.0	50.0
2-Fluorobiphenyl	1.512	1.517		0.3	50.0
2,4,6-Tribromophenol	0.284	0.266		-6.3	50.0
Terphenyl-d14	0.789	0.787		-0.3	50.0
1,4-Dioxane	0.382	0.378		-1.0	50.0

All other compounds must meet a minimum RRF of 0.010.