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

LAB CHRONICLE

OrderID:	P4550	**OrderDate:**	10/24/2024 5:50:00 PM
Client:	Tetra Tech NUS, Inc.	**Project:**	CTO WE13
Contact:	Ernie Wu	**Location:**	K63,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4550-02	**VPB190-HYD-20241023**	**Water**			**10/23/24**			**10/24/24**
			SVOC-SIMGroup1	8270-Modified		10/25/24	10/25/24	
P4550-02RE	**VPB190-HYD-20241023RE**	**Water**			**10/23/24**			**10/24/24**
			SVOC-SIMGroup1	8270-Modified		10/25/24	10/26/24	
P4550-05	**BP-VPB-190-GW-318-320**	**Water**			**10/22/24**			**10/24/24**
			SVOC-SIMGroup1	8270-Modified		10/25/24	10/25/24	
P4550-09	**BP-VPB-190-GW-358-360**	**Water**			**10/23/24**			**10/24/24**
			SVOC-SIMGroup1	8270-Modified		10/25/24	10/25/24	
P4550-11	**BP-VPB-190-GW-398-400**	**Water**			**10/23/24**			**10/24/24**
			SVOC-SIMGroup1	8270-Modified		10/25/24	10/26/24	

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Hit Summary Sheet
SW-846

SDG No.: P4550

Client: Tetra Tech NUS, Inc.

Sample ID	Client ID	Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID :	**BP-VPB-190-GW-318-320**							
P4550-05	BP-VPB-190-GW-318-32 WATER	1,4-Dioxane	0.370		0.09	0.26	0.26	ug/L
		Total Svoc :			**0.37**			
		Total Concentration:			**0.37**			
Client ID :	**BP-VPB-190-GW-358-360**							
P4550-09	BP-VPB-190-GW-358-36 WATER	1,4-Dioxane	0.620		0.1	0.28	0.28	ug/L
		Total Svoc :			**0.62**			
		Total Concentration:			**0.62**			

SAMPLE DATA

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	10/23/24
Project:	CTO WE13	Date Received:	10/24/24
Client Sample ID:	VPB190-HYD-20241023	SDG No.:	P4550
Lab Sample ID:	P4550-02	Matrix:	Water
Analytical Method:	SW8270SIM	% Solid:	0
Sample Wt/Vol:	980 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-SIMGroup1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN034729.D	1	10/25/24 10:45	10/25/24 18:53	PB164409

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	0.020	*	30 - 150		5%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.18		30 - 150		45%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.27		55 - 111		67%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.26		53 - 106		65%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.40		58 - 132		99%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	8810	7.654				
1146-65-2	Naphthalene-d8	25100	10.426				
15067-26-2	Acenaphthene-d10	12100	14.275				
1517-22-2	Phenanthrene-d10	23200	17.019				
1719-03-5	Chrysene-d12	12500	21.214				
1520-96-3	Perylene-d12	11200	23.414				

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:	10/23/24
Project:	CTO WE13	Date Received:	10/24/24
Client Sample ID:	VPB190-HYD-20241023RE	SDG No.:	P4550
Lab Sample ID:	P4550-02RE	Matrix:	Water
Analytical Method:	SW8270SIM	% Solid:	0
Sample Wt/Vol:	980 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-SIMGroup1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN034737.D	1	10/25/24 10:45	10/26/24 12:05	PB164409

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	0.019	*	30 - 150		5%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.18		30 - 150		45%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.26		55 - 111		65%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.26		53 - 106		66%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.40		58 - 132		100%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	9060	7.647				
1146-65-2	Naphthalene-d8	26000	10.415				
15067-26-2	Acenaphthene-d10	12200	14.272				
1517-22-2	Phenanthrene-d10	23600	17.014				
1719-03-5	Chrysene-d12	11900	21.212				
1520-96-3	Perylene-d12	8890	23.409				

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

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Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	10/22/24
Project:	CTO WE13	Date Received:	10/24/24
Client Sample ID:	BP-VPB-190-GW-318-320	SDG No.:	P4550
Lab Sample ID:	P4550-05	Matrix:	Water
Analytical Method:	SW8270SIM	% Solid:	0
Sample Wt/Vol:	760 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
BN034730.D	1	10/25/24 10:45	10/25/24 19:29	PB164409

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.37		0.090	0.26	0.26	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.38		30 - 150		96%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.42		30 - 150		104%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.41		55 - 111		102%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.41		53 - 106		101%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.57	*	58 - 132		142%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	8100	7.655				
1146-65-2	Naphthalene-d8	23100	10.415				
15067-26-2	Acenaphthene-d10	11200	14.283				
1517-22-2	Phenanthrene-d10	21200	17.026				
1719-03-5	Chrysene-d12	11500	21.212				
1520-96-3	Perylene-d12	10500	23.412				

U = Not Detected
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
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
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() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	10/23/24
Project:	CTO WE13	Date Received:	10/24/24
Client Sample ID:	BP-VPB-190-GW-358-360	SDG No.:	P4550
Lab Sample ID:	P4550-09	Matrix:	Water
Analytical Method:	SW8270SIM	% Solid:	0
Sample Wt/Vol:	710 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
BN034731.D	1	10/25/24 10:45	10/25/24 20:05	PB164409

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.62		0.10	0.28	0.28	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.33		30 - 150		83%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.41		30 - 150		103%	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		89%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.47		58 - 132		117%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	8000	7.647				
1146-65-2	Naphthalene-d8	22800	10.426				
15067-26-2	Acenaphthene-d10	10400	14.276				
1517-22-2	Phenanthrene-d10	19200	17.019				
1719-03-5	Chrysene-d12	12800	21.214				
1520-96-3	Perylene-d12	12800	23.411				

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:	10/23/24
Project:	CTO WE13	Date Received:	10/24/24
Client Sample ID:	BP-VPB-190-GW-398-400	SDG No.:	P4550
Lab Sample ID:	P4550-11	Matrix:	Water
Analytical Method:	SW8270SIM	% Solid:	0
Sample Wt/Vol:	750 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
BN034736.D	1	10/25/24 10:45	10/26/24 11:28	PB164409

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.27	U	0.090	0.27	0.27	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.31		30 - 150		78%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.38		30 - 150		94%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.34		55 - 111		84%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.34		53 - 106		84%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.54	*	58 - 132		134%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	8580	7.647				
1146-65-2	Naphthalene-d8	25000	10.415				
15067-26-2	Acenaphthene-d10	11900	14.276				
1517-22-2	Phenanthrene-d10	22700	17.019				
1719-03-5	Chrysene-d12	11600	21.205				
1520-96-3	Perylene-d12	9890	23.408				

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.: P4550

Client: Tetra Tech NUS, Inc.

Analytical Method: 8270-Modified

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	High
P4550-02	VPB190-HYD-20241023	2-Methylnaphthalene-d10	0.4	0.020	5	*	30	150
		Fluoranthene-d10	0.4	0.18	45		30	150
		Nitrobenzene-d5	0.4	0.27	67		55	111
		2-Fluorobiphenyl	0.4	0.26	65		53	106
		Terphenyl-d14	0.4	0.40	99		58	132
P4550-02RE	VPB190-HYD-20241023RE	2-Methylnaphthalene-d10	0.4	0.019	5	*	30	150
		Fluoranthene-d10	0.4	0.18	45		30	150
		Nitrobenzene-d5	0.4	0.26	65		55	111
		2-Fluorobiphenyl	0.4	0.26	66		53	106
		Terphenyl-d14	0.4	0.40	100		58	132
P4550-05	BP-VPB-190-GW-318-320	2-Methylnaphthalene-d10	0.4	0.38	96		30	150
		Fluoranthene-d10	0.4	0.42	104		30	150
		Nitrobenzene-d5	0.4	0.41	102		55	111
		2-Fluorobiphenyl	0.4	0.41	101		53	106
		Terphenyl-d14	0.4	0.57	142	*	58	132
P4550-09	BP-VPB-190-GW-358-360	2-Methylnaphthalene-d10	0.4	0.33	83		30	150
		Fluoranthene-d10	0.4	0.41	103		30	150
		Nitrobenzene-d5	0.4	0.36	90		55	111
		2-Fluorobiphenyl	0.4	0.36	89		53	106
		Terphenyl-d14	0.4	0.47	117		58	132
P4550-11	BP-VPB-190-GW-398-400	2-Methylnaphthalene-d10	0.4	0.31	78		30	150
		Fluoranthene-d10	0.4	0.38	94		30	150
		Nitrobenzene-d5	0.4	0.34	84		55	111
		2-Fluorobiphenyl	0.4	0.34	84		53	106
		Terphenyl-d14	0.4	0.54	134	*	58	132
PB164409BL	PB164409BL	2-Methylnaphthalene-d10	0.4	0.34	86		30	150
		Fluoranthene-d10	0.4	0.34	85		30	150
		Nitrobenzene-d5	0.4	0.37	92		55	111
		2-Fluorobiphenyl	0.4	0.39	97		53	106
		Terphenyl-d14	0.4	0.46	116		58	132
PB164409BS	PB164409BS	2-Methylnaphthalene-d10	0.4	0.47	118		30	150
		Fluoranthene-d10	0.4	0.35	88		30	150
		Nitrobenzene-d5	0.4	0.39	97		55	111
		2-Fluorobiphenyl	0.4	0.38	95		53	106
		Terphenyl-d14	0.4	0.48	119		58	132
PB164409BSD	PB164409BSD	2-Methylnaphthalene-d10	0.4	0.48	119		30	150
		Fluoranthene-d10	0.4	0.35	88		30	150
		Nitrobenzene-d5	0.4	0.39	96		55	111
		2-Fluorobiphenyl	0.4	0.39	98		53	106
		Terphenyl-d14	0.4	0.47	118		58	132

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4550

Client: Tetra Tech NUS, Inc.

Analytical Method: 8270-Modified **DataFile:** BN034727.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB164409BS	1,4-Dioxane	0.4	0.28	ug/L	70				70	130	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4550

Client: Tetra Tech NUS, Inc.

Analytical Method: 8270-Modified **DataFile:** BN034728.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB164409BSD	1,4-Dioxane	0.4	0.29	ug/L	73	4			70	130	20

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB164409BL

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: P4550 SAS No.: P4550 SDG NO.: P4550

Lab File ID: BN034735.D Lab Sample ID: PB164409BL

Instrument ID: BNA_N Date Extracted: 10/25/2024

Matrix: (soil/water) Water Date Analyzed: 10/26/2024

Level: (low/med) LOW Time Analyzed: 10:52

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
BP-VPB-190-GW-398-400	P4550-11	BN034736.D	10/26/2024
PB164409BSD	PB164409BSD	BN034728.D	10/25/2024
VPB190-HYD-20241023	P4550-02	BN034729.D	10/25/2024
BP-VPB-190-GW-318-320	P4550-05	BN034730.D	10/25/2024
PB164409BS	PB164409BS	BN034727.D	10/25/2024
BP-VPB-190-GW-358-360	P4550-09	BN034731.D	10/25/2024

COMMENTS:

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM SAS No.: P4550 SDG NO.: P4550

Lab File ID: BN034683.D DFTPP Injection Date: 10/24/2024

Instrument ID: BNA_N DFTPP Injection Time: 07:59

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	66.1
68	Less than 2.0% of mass 69	0.9 (1.7) 1
69	Mass 69 relative abundance	54.4
70	Less than 2.0% of mass 69	0.3 (0.5) 1
127	10.0 - 80.0% of mass 198	60.3
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
275	10.0 - 60.0% of mass 198	20.6
365	Greater than 1% of mass 198	2.5
441	Present, but less than mass 443	7.8
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	9.1 (18.6) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDICC0.1	SSTDICC0.1	BN034684.D	10/24/2024	09:11
SSTDICC0.2	SSTDICC0.2	BN034685.D	10/24/2024	09:47
SSTDICCC0.4	SSTDICCC0.4	BN034686.D	10/24/2024	10:23
SSTDICC0.8	SSTDICC0.8	BN034687.D	10/24/2024	10:59
SSTDICC1.6	SSTDICC1.6	BN034688.D	10/24/2024	11:35
SSTDICC3.2	SSTDICC3.2	BN034689.D	10/24/2024	12:11
SSTDICC5.0	SSTDICC5.0	BN034690.D	10/24/2024	12:48

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM SAS No.: P4550 SDG NO.: P4550

Lab File ID: BN034720.D DFTPP Injection Date: 10/25/2024

Instrument ID: BNA_N DFTPP Injection Time: 09:07

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	66.6
68	Less than 2.0% of mass 69	0.9 (1.6) 1
69	Mass 69 relative abundance	56.4
70	Less than 2.0% of mass 69	0.2 (0.4) 1
127	10.0 - 80.0% of mass 198	61.5
197	Less than 2.0% of mass 198	0.3
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	21
365	Greater than 1% of mass 198	2.8
441	Present, but less than mass 443	7.4
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	9.5 (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	BN034721.D	10/25/2024	09:46
PB164409BS	PB164409BS	BN034727.D	10/25/2024	17:40
PB164409BSD	PB164409BSD	BN034728.D	10/25/2024	18:16
VPB190-HYD-20241023	P4550-02	BN034729.D	10/25/2024	18:53
BP-VPB-190-GW-318-320	P4550-05	BN034730.D	10/25/2024	19:29
BP-VPB-190-GW-358-360	P4550-09	BN034731.D	10/25/2024	20:05
SSTDCCC0.4EC	SSTDCCC0.4	BN034732.D	10/25/2024	20:41

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Fax : 908 789 8922

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM SAS No.: P4550 SDG NO.: P4550

Lab File ID: BN034733.D DFTPP Injection Date: 10/26/2024

Instrument ID: BNA_N DFTPP Injection Time: 09:37

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	73.1
68	Less than 2.0% of mass 69	1 (1.6) 1
69	Mass 69 relative abundance	59.9
70	Less than 2.0% of mass 69	0.2 (0.4) 1
127	10.0 - 80.0% of mass 198	65.1
197	Less than 2.0% of mass 198	0.4
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.9
275	10.0 - 60.0% of mass 198	20.4
365	Greater than 1% of mass 198	2.4
441	Present, but less than mass 443	7
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	8.5 (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	BN034734.D	10/26/2024	10:16
PB164409BL	PB164409BL	BN034735.D	10/26/2024	10:52
BP-VPB-190-GW-398-400	P4550-11	BN034736.D	10/26/2024	11:28
VPB190-HYD-20241023RE	P4550-02RE	BN034737.D	10/26/2024	12:05
SSTDCCC0.4EC	SSTDCCC0.4	BN034738.D	10/26/2024	12:41

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: P4550 SAS No.: P4550 SDG NO.: P4550

EPA Sample No.: SSTDCCC0.4 Date Analyzed: 10/25/2024

Lab File ID: BN034721.D Time Analyzed: 09:46

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	6565	7.705	19566	10.48	9604	14.33
	UPPER LIMIT	13130	8.205	39132	10.979	19208	14.825
	LOWER LIMIT	3282.5	7.205	9783	9.979	4802	13.825
	EPA SAMPLE NO.						
01	VPB190-HYD-20241023	8808	7.65	25081	10.43	12081	14.28
02	BP-VPB-190-GW-318-320	8100	7.66	23066	10.42	11169	14.28
03	PB164409BS	8770	7.65	24617	10.43	11438	14.28
04	BP-VPB-190-GW-358-360	8001	7.65	22771	10.43	10442	14.28
05	PB164409BSD	8434	7.65	23419	10.43	10653	14.28

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.: P4550 SAS No.: P4550 SDG NO.: P4550

EPA Sample No.: SSTDCCC0.4 Date Analyzed: 10/25/2024

Lab File ID: BN034721.D Time Analyzed: 09:46

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	17577	17.064	13068	21.248	14018	23.459
	UPPER LIMIT	35154	17.564	26136	21.748	28036	23.959
	LOWER LIMIT	8788.5	16.564	6534	20.748	7009	22.959
	EPA SAMPLE NO.						
01	VPB190-HYD-20241023	23223	17.02	12463	21.21	11231	23.41
02	BP-VPB-190-GW-318-320	21194	17.03	11462	21.21	10529	23.41
03	PB164409BS	20789	17.03	11212	21.21	10991	23.42
04	BP-VPB-190-GW-358-360	19183	17.02	12779	21.21	12768	23.41
05	PB164409BSD	19220	17.03	10276	21.21	10044	23.42

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.: P4550 SAS No.: P4550 SDG NO.: P4550

EPA Sample No.: SSTDCCC0.4 Date Analyzed: 10/26/2024

Lab File ID: BN034734.D Time Analyzed: 10:16

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	8464	7.647	25235	10.42	12818	14.27
	UPPER LIMIT	16928	8.147	50470	10.915	25636	14.772
	LOWER LIMIT	4232	7.147	12617.5	9.915	6409	13.772
	EPA SAMPLE NO.						
01	BP-VPB-190-GW-398-400	8583	7.65	24972	10.42	11895	14.28
02	PB164409BL	8695	7.65	24402	10.42	10618	14.27
03	VPB190-HYD-20241023RE	9064	7.65	26031	10.42	12214	14.27

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.: P4550 SAS No.: P4550 SDG NO.: P4550

EPA Sample No.: SSTDCCC0.4 Date Analyzed: 10/26/2024

Lab File ID: BN034734.D Time Analyzed: 10:16

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	25182	17.014	13756	21.212	12370	23.406
	UPPER LIMIT	50364	17.514	27512	21.712	24740	23.906
	LOWER LIMIT	12591	16.514	6878	20.712	6185	22.906
	EPA SAMPLE NO.						
01	BP-VPB-190-GW-398-400	22735	17.02	11602	21.21	9891	23.41
02	PB164409BL	19019	17.03	9693	21.21	9063	23.41
03	VPB190-HYD-20241023RE	23563	17.01	11935	21.21	8887	23.41

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:	CTO WE13			Date Received:	
Client Sample ID:	PB164409BL			SDG No.:	P4550
Lab Sample ID:	PB164409BL			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
BN034735.D	1	10/25/24 10:45	10/26/24 10:52	PB164409

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		86%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.34		30 - 150		85%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.37		55 - 111		92%	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		116%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	8700	7.647				
1146-65-2	Naphthalene-d8	24400	10.415				
15067-26-2	Acenaphthene-d10	10600	14.272				
1517-22-2	Phenanthrene-d10	19000	17.026				
1719-03-5	Chrysene-d12	9690	21.212				
1520-96-3	Perylene-d12	9060	23.412				

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
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Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	CTO WE13	Date Received:	
Client Sample ID:	PB164409BS	SDG No.:	P4550
Lab Sample ID:	PB164409BS	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
BN034727.D	1	10/25/24 10:45	10/25/24 17:40	PB164409

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.28		0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.47		30 - 150		118%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.35		30 - 150		88%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.39		55 - 111		97%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.38		53 - 106		95%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.48		58 - 132		119%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	8770	7.654				
1146-65-2	Naphthalene-d8	24600	10.426				
15067-26-2	Acenaphthene-d10	11400	14.283				
1517-22-2	Phenanthrene-d10	20800	17.026				
1719-03-5	Chrysene-d12	11200	21.212				
1520-96-3	Perylene-d12	11000	23.415				

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:	CTO WE13			Date Received:	
Client Sample ID:	PB164409BSD			SDG No.:	P4550
Lab Sample ID:	PB164409BSD			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
BN034728.D	1	10/25/24 10:45	10/25/24 18:16	PB164409

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.29		0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.48		30 - 150		119%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.35		30 - 150		88%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.39		55 - 111		96%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.39		53 - 106		98%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.47		58 - 132		118%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	8430	7.654				
1146-65-2	Naphthalene-d8	23400	10.426				
15067-26-2	Acenaphthene-d10	10700	14.283				
1517-22-2	Phenanthrene-d10	19200	17.026				
1719-03-5	Chrysene-d12	10300	21.212				
1520-96-3	Perylene-d12	10000	23.415				

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-BN102424.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Thu Oct 24 13:17:02 2024
Response Via : Initial Calibration

Calibration Files
0.1 =BN034684.D 0.2 =BN034685.D 0.4 =BN034686.D 0.8 =BN034687.D 1.6 =BN034688.D 3.2 =BN034689.D 5.0 =BN034690.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	0.621	0.564	0.485	0.545	0.530	0.503	0.479	0.532	9.40
3)		n-Nitrosodimet...	0.775	0.766	0.704	0.842	0.827	0.761	0.749	0.775	6.06
4)	S	2-Fluorophenol	1.188	1.202	1.070	1.268	1.253	1.168	1.177	1.189	5.46
5)	S	Phenol-d6	1.556	1.554	1.386	1.658	1.657	1.569	1.597	1.568	5.85
6)		bis(2-Chloroet...	1.306	1.281	1.140	1.380	1.346	1.243	1.220	1.274	6.37
7)	I	Naphthalene-d8	----------ISTD----------								
8)	S	Nitrobenzene-d5	0.345	0.323	0.294	0.354	0.349	0.337	0.348	0.336	6.27
9)		Naphthalene	1.126	1.100	0.987	1.182	1.157	1.094	1.101	1.107	5.61
10)		Hexachlorobuta...	0.175	0.169	0.149	0.178	0.170	0.160	0.159	0.166	6.23
11)	SURR	2-Methylnaphth...	0.542	0.534	0.481	0.583	0.586	0.557	0.566	0.550	6.53
12)		2-Methylnaphth...	0.675	0.670	0.600	0.729	0.730	0.697	0.705	0.687	6.50
13)	I	Acenaphthene-d10	----------ISTD----------								
14)	S	2,4,6-Tribromo...	0.110	0.118	0.096	0.127	0.133	0.136	0.146	0.124	13.66
15)	S	2-Fluorobiphenyl	1.661	1.577	1.379	1.703	1.666	1.540	1.601	1.590	6.84
16)		Acenaphthylene	1.900	1.860	1.581	2.040	2.038	1.964	2.064	1.921	8.76
17)		Acenaphthene	1.318	1.286	1.122	1.435	1.407	1.329	1.370	1.324	7.79
18)		Fluorene	1.598	1.609	1.388	1.764	1.750	1.663	1.663	1.634	7.68
19)	I	Phenanthrene-d10	----------ISTD----------								
20)		4,6-Dinitro-2-...		0.048	0.043	0.055	0.059	0.063	0.067	0.056	16.66
21)		4-Bromophenyl-...	0.217	0.211	0.190	0.224	0.221	0.212	0.219	0.213	5.22
22)		Hexachlorobenzene	0.238	0.234	0.211	0.243	0.238	0.226	0.229	0.231	4.55
23)		Atrazine	0.151	0.158	0.140	0.183	0.181	0.181	0.179	0.168	10.55
24)		Pentachlorophenol		0.065	0.064	0.083	0.087	0.092	0.100	0.082	17.73
25)		Phenanthrene	1.214	1.208	1.065	1.273	1.244	1.191	1.215	1.202	5.49
26)		Anthracene	1.006	1.043	0.931	1.124	1.127	1.102	1.131	1.067	7.17
27)	SURR	Fluoranthene-d10	0.870	0.885	0.784	0.994	0.951	0.913	0.910	0.901	7.35
28)		Fluoranthene	1.188	1.222	1.092	1.380	1.333	1.290	1.269	1.253	7.66
29)	I	Chrysene-d12	----------ISTD----------								
30)		Pyrene	2.066	2.035	1.880	2.152	2.164	2.039	2.048	2.055	4.57
31)	S	Terphenyl-d14	0.813	0.797	0.740	0.867	0.865	0.820	0.820	0.817	5.27
32)		Benzo(a)anthra...	1.502	1.445	1.373	1.640	1.613	1.553	1.570	1.528	6.19
33)		Chrysene	1.642	1.568	1.442	1.709	1.643	1.533	1.531	1.581	5.68
34)		Bis(2-ethylhex...	0.901	0.779	0.722	0.843	0.878	0.915	1.030	0.867	11.48
35)	I	Perylene-d12	----------ISTD----------								

Method Path : Z:\svoasrv\HPCHEM1\BNA_N\Methods\
Method File : 8270-SIM-BN102424.M

36)		Indeno(1,2,3-c...	1.562	1.447	1.418	1.596	1.620	1.517	1.624	1.541	5.39
37)		Benzo(b)fluora...	1.543	1.516	1.481	1.714	1.699	1.614	1.615	1.597	5.57
38)		Benzo(k)fluora...	1.511	1.491	1.386	1.723	1.712	1.596	1.613	1.576	7.75
39)	C	Benzo(a)pyrene	1.203	1.188	1.157	1.369	1.383	1.323	1.350	1.282	7.45
40)		Dibenzo(a,h)an...	1.236	1.139	1.113	1.246	1.283	1.201	1.288	1.215	5.58
41)		Benzo(g,h,i)pe...	1.397	1.287	1.262	1.377	1.387	1.290	1.378	1.340	4.28

(#) = Out of Range

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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: P4550 SAS No.: P4550 SDG No.: P4550

Instrument ID: BNA_N Calibration Date/Time: 10/25/2024 09:46

Lab File ID: BN034721.D Init. Calib. Date(s): 10/24/2024 10/24/2024

EPA Sample No.: SSTDCCC0.4 Init. Calib. Time(s): 09:11 12:48

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

COMPOUND	RRF	RRF0.4	MIN RRF	%D	MAX%D
2-Methylnaphthalene-d10	0.550	0.491		-10.7	20.0
Fluoranthene-d10	0.901	0.834		-7.4	20.0
2-Fluorophenol	1.189	1.280		7.7	20.0
Phenol-d6	1.568	1.733		10.5	20.0
Nitrobenzene-d5	0.336	0.300		-10.7	20.0
2-Fluorobiphenyl	1.590	1.396		-12.2	20.0
2,4,6-Tribromophenol	0.124	0.119		-4.0	20.0
Terphenyl-d14	0.817	0.690		-15.5	20.0
1,4-Dioxane	0.532	0.460		-13.5	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.: P4550 SAS No.: P4550 SDG No.: P4550

Instrument ID: BNA_N Calibration Date/Time: 10/25/2024 20:41

Lab File ID: BN034732.D Init. Calib. Date(s): 10/24/2024 10/24/2024

EPA Sample No.: SSTDCCC0.4EC Init. Calib. Time(s): 09:11 12:48

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

COMPOUND	RRF	RRF0.4	MIN RRF	%D	MAX%D
2-Methylnaphthalene-d10	0.550	0.499		-9.3	50.0
Fluoranthene-d10	0.901	0.778		-13.7	50.0
2-Fluorophenol	1.189	1.284		8.0	50.0
Phenol-d6	1.568	1.673		6.7	50.0
Nitrobenzene-d5	0.336	0.311		-7.4	50.0
2-Fluorobiphenyl	1.590	1.375		-13.5	50.0
2,4,6-Tribromophenol	0.124	0.129		4.0	50.0
Terphenyl-d14	0.817	0.831		1.7	50.0
1,4-Dioxane	0.532	0.481		-9.6	50.0

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.: P4550 SAS No.: P4550 SDG No.: P4550

Instrument ID: BNA_N Calibration Date/Time: 10/26/2024 10:16

Lab File ID: BN034734.D Init. Calib. Date(s): 10/24/2024 10/24/2024

EPA Sample No.: SSTDCCC0.4 Init. Calib. Time(s): 09:11 12:48

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

COMPOUND	RRF	RRF0.4	MIN RRF	%D	MAX%D
2-Methylnaphthalene-d10	0.550	0.496		-9.8	20.0
Fluoranthene-d10	0.901	0.780		-13.4	20.0
2-Fluorophenol	1.189	1.207		1.5	20.0
Phenol-d6	1.568	1.607		2.5	20.0
Nitrobenzene-d5	0.336	0.310		-7.7	20.0
2-Fluorobiphenyl	1.590	1.390		-12.6	20.0
2,4,6-Tribromophenol	0.124	0.123		-0.8	20.0
Terphenyl-d14	0.817	0.806		-1.3	20.0
1,4-Dioxane	0.532	0.469		-11.8	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.: P4550 SAS No.: P4550 SDG No.: P4550

Instrument ID: BNA_N Calibration Date/Time: 10/26/2024 12:41

Lab File ID: BN034738.D Init. Calib. Date(s): 10/24/2024 10/24/2024

EPA Sample No.: SSTDCCC0.4EC Init. Calib. Time(s): 09:11 12:48

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

COMPOUND	RRF	RRF0.4	MIN RRF	%D	MAX%D
2-Methylnaphthalene-d10	0.550	0.495		-10.0	50.0
Fluoranthene-d10	0.901	0.784		-13.0	50.0
2-Fluorophenol	1.189	1.228		3.3	50.0
Phenol-d6	1.568	1.647		5.0	50.0
Nitrobenzene-d5	0.336	0.304		-9.5	50.0
2-Fluorobiphenyl	1.590	1.369		-13.9	50.0
2,4,6-Tribromophenol	0.124	0.117		-5.6	50.0
Terphenyl-d14	0.817	0.800		-2.1	50.0
1,4-Dioxane	0.532	0.472		-11.3	50.0

All other compounds must meet a minimum RRF of 0.010.