

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BM071024 SAS No.: BM071024 SDG No.: BM071024

Instrument ID: BNA_M Calibration Date/Time: 7/10/2024 1:17:26

Lab File ID: BM046505.D Init. Calib. Date(s): _____

EPA Sample No.: SICV042 Init. Calib. Time(s): _____

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

COMPOUND	RRF	RRFICV	MIN RRF	%D	MAX%D
1,4-Dioxane	0.351	0.342	0.010	-2.5401	40.0
1,4-Dioxane-d8	0.329	0.389	0.010	18.3716	40.0
Naphthalene	1.018	1.039	0.600	2.1399	30.0
1-Methylnaphthalene	0.730	0.684	0.300	-6.2992	30.0
2-Methylnaphthalene	0.715	0.748	0.300	4.6685	30.0
Acenaphthylene	1.821	1.868	0.900	2.6057	30.0
Acenaphthene	1.220	1.222	0.500	0.1459	30.0
Fluorene	1.509	1.511	0.700	0.1207	30.0
Pentachlorophenol	0.203	0.173	0.010	-14.4542	50.0
Phenanthrene	1.141	1.133	0.300	-0.7395	30.0
Anthracene	1.114	1.107	0.400	-0.639	30.0
Fluoranthene	1.643	1.559	0.400	-5.1065	30.0
Pyrene	1.779	1.652	0.500	-7.1151	30.0
Benzo (a) anthracene	1.770	1.657	0.400	-6.3555	30.0
Chrysene	1.712	1.619	0.400	-5.4724	30.0
Benzo (b) fluoranthene	1.598	1.487	0.200	-6.8988	30.0
Benzo (k) fluoranthene	1.569	1.482	0.200	-5.5102	30.0
Benzo (a) pyrene	1.315	1.402	0.200	6.6296	30.0
Indeno (1,2,3-cd) pyrene	2.001	1.986	0.200	-0.7439	30.0
Dibenzo (a,h) anthracene	1.584	1.557	0.200	-1.7168	30.0
Benzo (g,h,i) perylene	1.597	1.573	0.200	-1.4736	30.0
Fluoranthene-d10	1.217	1.149	0.400	-5.6237	30.0
2-Methylnaphthalene-d10	0.645	0.632	0.300	-1.9685	30.0

All other compounds must meet a minimum RRF of 0.010.

Report of Analysis

Client:		Date Collected:	
Project:		Date Received:	
Client Sample ID:	SSTD0.4160	SDG No.:	BM071024
Lab Sample ID:	SSTDCCC0.4	Matrix:	Water
Analytical Method:	SFAM_SVOASIM	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM046498.D	1		7/10/2024 12:00:00 AM	

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	380		29	0	200	ug/L
91-20-3	Naphthalene	400		4.3	50	100	ug/L
90-12-0	1-Methylnaphthalene	400		15	50	100	ug/L
91-57-6	2-Methylnaphthalene	400		5.3	50	100	ug/L
208-96-8	Acenaphthylene	380		12	50	100	ug/L
83-32-9	Acenaphthene	390		7.4	50	100	ug/L
86-73-7	Fluorene	390		6.7	50	100	ug/L
87-86-5	Pentachlorophenol	420		63	100	200	ug/L
85-01-8	Phenanthrene	400		6.8	50	100	ug/L
120-12-7	Anthracene	400		8	50	100	ug/L
206-44-0	Fluoranthene	400		7.9	50	100	ug/L
129-00-0	Pyrene	390		6	50	100	ug/L
56-55-3	Benzo(a)anthracene	400		3.6	50	100	ug/L
218-01-9	Chrysene	390		7.7	50	100	ug/L
205-99-2	Benzo(b)fluoranthene	400		13	50	100	ug/L
207-08-9	Benzo(k)fluoranthene	400		9.8	50	100	ug/L
50-32-8	Benzo(a)pyrene	400		17	50	100	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	370		17	50	100	ug/L
53-70-3	Dibenzo(a,h)anthracene	370		14	50	100	ug/L
191-24-2	Benzo(g,h,i)perylene	370		22	50	100	ug/L
SURROGATES							
17647-74-4	1,4-Dioxane-d8	352	*	15-120		4400	SPK: -8
93951-69-0	Fluoranthene-d10	399	*	30-130		99750	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	401	*	30-130		100250	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	2817		7.518			
1146-65-2	Naphthalene-d8	7162		10.277			
15067-26-2	Acenaphthene-d10	4855		14.16			

Report of Analysis

Client:		Date Collected:	
Project:		Date Received:	
Client Sample ID:	SSTD0.4160	SDG No.:	BM071024
Lab Sample ID:	SSTDCCC0.4	Matrix:	Water
Analytical Method:	SFAM_SVOASIM	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM046498.D	1		7/10/2024 12:00:00 AM	

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	10312	16.913				
1719-03-5	Chrysene-d12	8932	21.119				
1520-96-3	Perylene-d12	9959	23.267				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	29	U			99	ug/L

Report of Analysis

Client:		Date Collected:	
Project:		Date Received:	
Client Sample ID:	SP6561	SDG No.:	BM071024
Lab Sample ID:	SP6561	Matrix:	Water
Analytical Method:	SFAM_SVOASIM	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM046506.D	1		7/10/2024 12:00:00 AM	

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	29	U	29	0	200	ug/L
91-20-3	Naphthalene	4.3	U	4.3	50	100	ug/L
90-12-0	1-Methylnaphthalene	15	U	15	50	100	ug/L
91-57-6	2-Methylnaphthalene	5.3	U	5.3	50	100	ug/L
208-96-8	Acenaphthylene	12	U	12	50	100	ug/L
83-32-9	Acenaphthene	7.4	U	7.4	50	100	ug/L
86-73-7	Fluorene	6.7	U	6.7	50	100	ug/L
87-86-5	Pentachlorophenol	63	U	63	100	200	ug/L
85-01-8	Phenanthrene	6.8	U	6.8	50	100	ug/L
120-12-7	Anthracene	8	U	8	50	100	ug/L
206-44-0	Fluoranthene	7.9	U	7.9	50	100	ug/L
129-00-0	Pyrene	6	U	6	50	100	ug/L
56-55-3	Benzo(a)anthracene	3.6	U	3.6	50	100	ug/L
218-01-9	Chrysene	7.7	U	7.7	50	100	ug/L
205-99-2	Benzo(b)fluoranthene	13	U	13	50	100	ug/L
207-08-9	Benzo(k)fluoranthene	9.8	U	9.8	50	100	ug/L
50-32-8	Benzo(a)pyrene	17	U	17	50	100	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	17	U	17	50	100	ug/L
53-70-3	Dibenzo(a,h)anthracene	14	U	14	50	100	ug/L
191-24-2	Benzo(g,h,i)perylene	22	U	22	50	100	ug/L
SURROGATES							
17647-74-4	1,4-Dioxane-d8	14084	*	15-120		176050	SPK: -8
93951-69-0	Fluoranthene-d10	734	*	30-130		183500	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	746	*	30-130		186500	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	1718		7.518			
1146-65-2	Naphthalene-d8	4452		10.282			
15067-26-2	Acenaphthene-d10	3245		14.16			

Report of Analysis

Client:		Date Collected:	
Project:		Date Received:	
Client Sample ID:	SP6561	SDG No.:	BM071024
Lab Sample ID:	SP6561	Matrix:	Water
Analytical Method:	SFAM_SVOASIM	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :		Decanted :	
Injection Volume :		Level :	LOW
	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM046506.D	1		7/10/2024 12:00:00 AM	

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	7182	16.913				
1719-03-5	Chrysene-d12	6034	21.119				
1520-96-3	Perylene-d12	6565	23.267				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	29	U			99	ug/L



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Hit Summary Sheet SW-846

SDG No.: BM071024

Client:

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
Client ID : SP6561								
SP6561	SP6561	Water	Total Alkanes	*	0.000	29	200	ug/L
			Total Tics :			0.00		
			Total Concentration:			0.00		
Client ID : SSTDDCC0.4								
SSTDDCC0.4	SSTD0.4160	Water	Total Alkanes	*	0.000	29	200	ug/L
			Total Tics :			0.00		
SSTDDCC0.4	SSTD0.4160	Water	1,4-Dioxane		380.000	29	200	ug/L
SSTDDCC0.4	SSTD0.4160	Water	1-Methylnaphthalene		400.000	15	100	ug/L
SSTDDCC0.4	SSTD0.4160	Water	2-Methylnaphthalene		400.000	5.3	100	ug/L
SSTDDCC0.4	SSTD0.4160	Water	Acenaphthene		390.000	7.4	100	ug/L
SSTDDCC0.4	SSTD0.4160	Water	Acenaphthylene		380.000	12	100	ug/L
SSTDDCC0.4	SSTD0.4160	Water	Anthracene		400.000	8	100	ug/L
SSTDDCC0.4	SSTD0.4160	Water	Benzo(a)anthracene		400.000	3.6	100	ug/L
SSTDDCC0.4	SSTD0.4160	Water	Benzo(a)pyrene		400.000	17	100	ug/L
SSTDDCC0.4	SSTD0.4160	Water	Benzo(b)fluoranthene		400.000	13	100	ug/L
SSTDDCC0.4	SSTD0.4160	Water	Benzo(g,h,i)perylene		370.000	22	100	ug/L
SSTDDCC0.4	SSTD0.4160	Water	Benzo(k)fluoranthene		400.000	9.8	100	ug/L
SSTDDCC0.4	SSTD0.4160	Water	Chrysene		390.000	7.7	100	ug/L
SSTDDCC0.4	SSTD0.4160	Water	Dibenzo(a,h)anthracene		370.000	14	100	ug/L
SSTDDCC0.4	SSTD0.4160	Water	Fluoranthene		400.000	7.9	100	ug/L
SSTDDCC0.4	SSTD0.4160	Water	Fluorene		390.000	6.7	100	ug/L
SSTDDCC0.4	SSTD0.4160	Water	Indeno(1,2,3-cd)pyrene		370.000	17	100	ug/L
SSTDDCC0.4	SSTD0.4160	Water	Naphthalene		400.000	4.3	100	ug/L
SSTDDCC0.4	SSTD0.4160	Water	Pentachlorophenol		420.000	63	200	ug/L
SSTDDCC0.4	SSTD0.4160	Water	Phenanthrene		400.000	6.8	100	ug/L
SSTDDCC0.4	SSTD0.4160	Water	Pyrene		390.000	6	100	ug/L
			Total Svoc :			7,850.00		
			Total Concentration:			7,850.00		



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SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: _____
Lab Code: CHEM Case No.: BM071024 SAS No.: BM071024 SDG No.: BM071024
Instrument ID: _____ Calibration Date(s): 7/10/2024 : _____
Calibration Time(s): 13:37 _____

LAB FILE ID:		RRFAL1 = BM046499.D			RRFAL2 = BM046500.D		RRFAL3 = BM046501.D	
		RRFAL4 = BM046502.D			RRFAL5 = BM046503.D		RRFAL6 = BM046504.D	
COMPOUND	RRFAL1	RRFAL2	RRFAL3	RRFAL4	RRFAL5	RRFAL6	RRF	% RSD
1,4-Dioxane		0.327	0.341	0.365	0.359	0.362	0.351	4.7
1,4-Dioxane-d8		0.340	0.330	0.325	0.321	0.327	0.329	2.2
Naphthalene	1.059	0.999	1.012	1.027	0.992		1.018	2.6
1-Methylnaphthalene	0.748	0.725	0.723	0.741	0.712		0.730	2.0
2-Methylnaphthalene	0.742	0.703	0.713	0.718	0.699		0.715	2.4
Acenaphthylene	1.875	1.804	1.790	1.853	1.783		1.821	2.2
Acenaphthene	1.234	1.224	1.183	1.257	1.202		1.220	2.4
Fluorene	1.543	1.487	1.483	1.543	1.491		1.509	2.0
Pentachlorophenol		0.214	0.203	0.200	0.199	0.198	0.203	3.3
Phenanthrene	1.183	1.127	1.123	1.163	1.111		1.141	2.6
Anthracene	1.158	1.100	1.094	1.130	1.088		1.114	2.6
Fluoranthene	1.828	1.624	1.572	1.663	1.528		1.643	7.0
Pyrene	2.072	1.774	1.682	1.759	1.608		1.779	9.9
Benzo (a) anthracene	1.991	1.777	1.682	1.749	1.649		1.770	7.6
Chrysene	1.925	1.738	1.627	1.687	1.584		1.712	7.7
Benzo (b) fluoranthene	1.817	1.603	1.512	1.550	1.506		1.598	8.1
Benzo (k) fluoranthene	1.739	1.555	1.525	1.555	1.469		1.569	6.5
Benzo (a) pyrene	1.399	1.314	1.274	1.325	1.263		1.315	4.1
Indeno (1,2,3-cd) pyrene	2.040	2.006	1.957	2.039	1.964		2.001	2.0
Dibenzo (a,h) anthracene	1.629	1.606	1.532	1.614	1.539		1.584	2.8
Benzo (g,h,i) perylene	1.607	1.613	1.560	1.638	1.565		1.597	2.1
Fluoranthene-d10	1.281	1.226	1.187	1.243	1.148		1.217	4.2
2-Methylnaphthalene-d10	0.657	0.628	0.643	0.659	0.638		0.645	2.0

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BM071024 SAS No.: BM071024 SDG NO.: BM071024

EPA Sample No.: SSTD0.4038 Date Analyzed: Jul 10 2024 12:00AM

Lab File ID: BM046501.D Time Analyzed: 12:50

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

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	1921	7.518	4571	10.28	2922	14.16
UPPER LIMIT	3842	8.018	9142	10.782	5844	14.664
LOWER LIMIT	960.5	7.018	2285.5	9.782	1461	13.664
EPA SAMPLE NO.						
01 SSTD0.4160	2817	7.52	7162	10.28	4855	14.16
02 SICV042	1568	7.52	3786	10.28	2431	14.16
03 SP6561	1718	7.52	4452	10.28	3245	14.16

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

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BM071024 SAS No.: BM071024 SDG NO.: BM071024

EPA Sample No.: _____ Date Analyzed: _____

Lab File ID: _____ Time Analyzed: _____

Instrument ID: _____ GC Column: _____ ID: _____ (mm)

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD						
UPPER LIMIT						
LOWER LIMIT						
EPA SAMPLE NO.						

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.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BM071024 SAS No.: BM071024 SDG NO.: BM071024

EPA Sample No.: SSTD0.4038 Date Analyzed: Jul 10 2024 12:00AM

Lab File ID: BM046501.D Time Analyzed: 12:50

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

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	6121	16.913	5430	21.119	6721	23.267
UPPER LIMIT	12242	17.413	10860	21.619	13442	23.767
LOWER LIMIT	3060.5	16.413	2715	20.619	3360.5	22.767
EPA SAMPLE NO.						
01 SSTD0.4160	10312	16.91	8932	21.12	9959	23.27
02 SICV042	5300	16.91	4797	21.12	6025	23.26
03 SP6561	7182	16.91	6034	21.12	6565	23.27

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.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BM071024 SAS No.: BM071024 SDG NO.: BM071024

EPA Sample No.: _____ Date Analyzed: _____

Lab File ID: _____ Time Analyzed: _____

Instrument ID: _____ GC Column: _____ ID: _____ (mm)

	IS4 AREA #	RT #	IS5 AREA #	RT #	IS6 AREA #	RT #
12 HOUR STD						
UPPER LIMIT						
LOWER LIMIT						
EPA SAMPLE NO.						

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.

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: BM071024

Client: _____

Analytical Method: SFAM_SVOASIM

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits		RPD
								Qual	Low	High		
SSTDICV0.4	1,4-Dioxane	0.4	0	ug/L	0				0	0		
	Naphthalene	0.4	0	ug/L	0				0	0		
	1-Methylnaphthalene	0.4	0	ug/L	0				0	0		
	2-Methylnaphthalene	0.4	0	ug/L	0				0	0		
	Acenaphthylene	0.4	0	ug/L	0				0	0		
	Acenaphthene	0.4	0	ug/L	0				0	0		
	Fluorene	0.4	0	ug/L	0				0	0		
	Pentachlorophenol	0.4	0	ug/L	0				0	0		
	Phenanthrene	0.4	0	ug/L	0				0	0		
	Anthracene	0.4	0	ug/L	0				0	0		
	Fluoranthene	0.4	0	ug/L	0				0	0		
	Pyrene	0.4	0	ug/L	0				0	0		
	Benzo(a)anthracene	0.4	0	ug/L	0				0	0		
	Chrysene	0.4	0	ug/L	0				0	0		
	Benzo(b)fluoranthene	0.4	0	ug/L	0				0	0		
	Benzo(k)fluoranthene	0.4	0	ug/L	0				0	0		
	Benzo(a)pyrene	0.4	0	ug/L	0				0	0		
	Indeno(1,2,3-cd)pyrene	0.4	0	ug/L	0				0	0		
	Dibenzo(a,h)anthracene	0.4	0	ug/L	0				0	0		
	Benzo(g,h,i)perylene	0.4	0	ug/L	0				0	0		

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SSTD0.4160

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BM071024

SAS No.: BM071024 SDG NO.: BM071024

Lab File ID: BM046498.D

Lab Sample ID: SSTDCCC0.4

Instrument ID: BNA_M

Date Extracted: _____

Matrix: (soil/water) Water

Date Analyzed: 07/10/2024

Level: (low/med) LOW

Time Analyzed: 12:50

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
SSTD0.4160	SSTDCCC0.4	BM046498.D	07/10/2024
SP6561	SP6561	BM046506.D	07/10/2024

COMMENTS: _____



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

Surrogate Summary

SW-846

SDG No.: BM071024

Client: _____

Analytical Method: SFAM_SVOASIM

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
SP6561	SP6561	BM046506.D	1,4-Dioxane-d8	8	14,084.00	176050	*	15	120
			Fluoranthene-d10	0.4	734.00	183500	*	30	130
			2-Methylnaphthalene-d10	0.4	746.00	186500	*	30	130
SSTDCCC0.4	SSTD0.4160	BM046498.D	1,4-Dioxane-d8	8	352.00	4400	*	15	120
			Fluoranthene-d10	0.4	399.00	99750	*	30	130
			2-Methylnaphthalene-d10	0.4	401.00	100250	*	30	130

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: BM071024

Lab Code: CHEM

SAS No.: BM071024

SDG NO.: BM071024

Lab File ID: BM046497.D

DFTPP Injection Date: 07/10/2024

Instrument ID: BNA_M

DFTPP Injection Time: 08:51

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	33.8
68	Less than 2.0% of mass 69	0.7 (2) 1
69	Mass 69 relative abundance	35.4
70	Less than 2.0% of mass 69	0.1 (0.3) 1
127	10.0 - 80.0% of mass 198	41.4
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	6.7
275	10.0 - 60.0% of mass 198	31.1
365	Greater than 1% of mass 198	4.8
441	Present, but less than mass 443	10.1
442	Greater than 50% of mass 198	68.3
443	15.0 - 24.0% of mass 442	13.3 (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
SSTD0.4160	SSTDCCC0.4	BM046498.D	07/10/2024	12:50
SSTD0.1036	SSTD0.169	BM046499.D	07/10/2024	13:37
SSTD0.2037	SSTD0.270	BM046500.D	07/10/2024	14:14
SSTD0.4038	SSTD0.471	BM046501.D	07/10/2024	14:52
SSTD0.8039	SSTD0.872	BM046502.D	07/10/2024	15:29
SSTD1.6040	SSTD1.673	BM046503.D	07/10/2024	16:06
SSTD3.2041	SSTD3.274	BM046504.D	07/10/2024	16:44
SICV042	SSTDICV0.4	BM046505.D	07/10/2024	17:26
SP6561	SP6561	BM046506.D	07/10/2024	18:03